

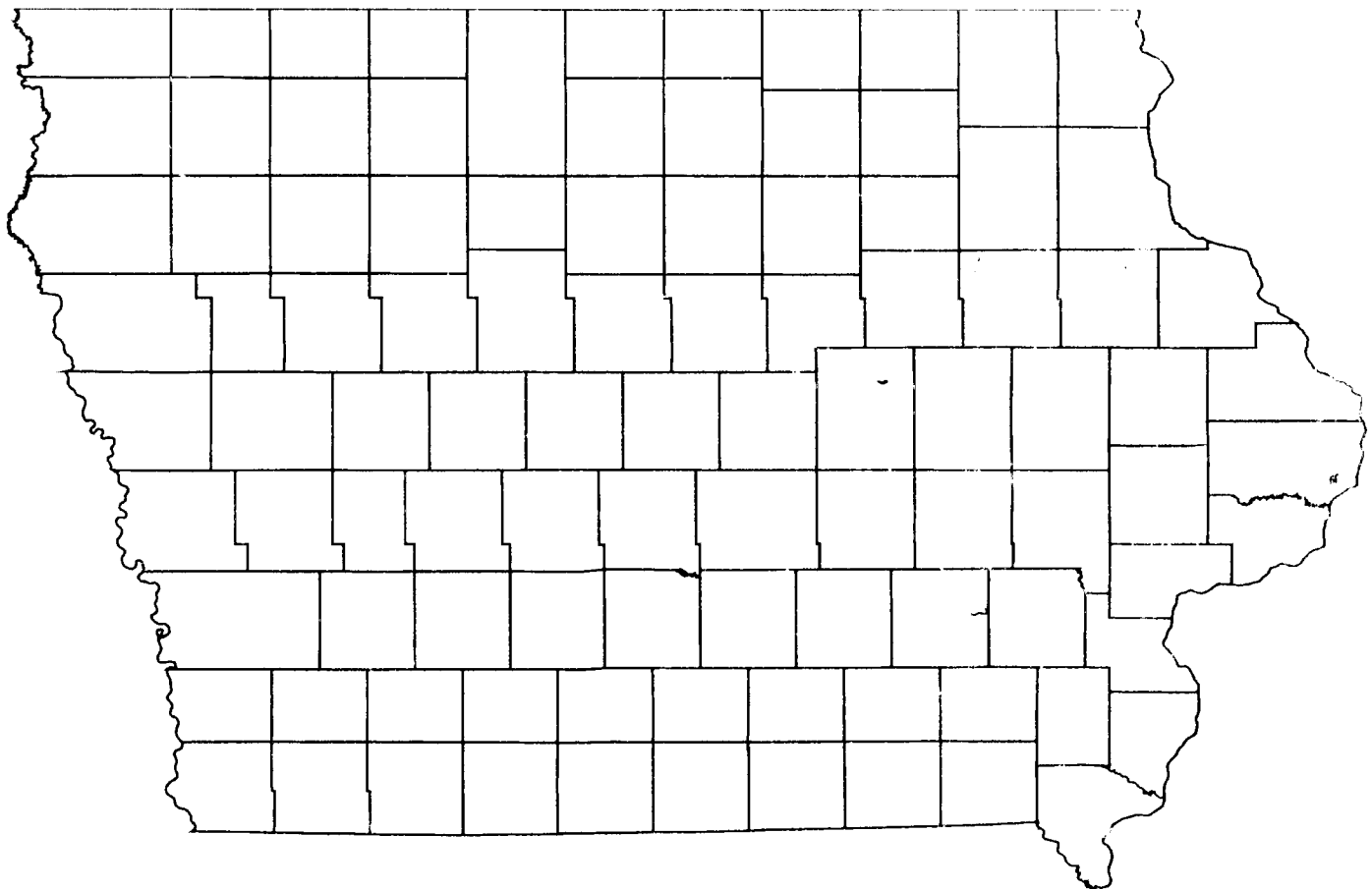


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OFFICE OF THE

# Iowa's Counties:

## Selected Population Trends, Vital Statistics, and Socioeconomic Data

1997 Edition



Willis Goudy, Sandra Charvat Burke, and Margaret Hanson  
Census Services  
Department of Sociology  
Iowa State University  
Ames, Iowa

October, 1997



## Iowa's Counties:

### Selected Population Trends, Vital Statistics, and Socioeconomic Data

#### Previous Editions for which Limited Copies Are Available

1996 If you don't have the 1996 edition, here are items it included that are not repeated in the 1997 edition:

Migration: 1985 to 1990; Manufacturing, 1977-1992; Women-Owned Businesses: 1987-1992.

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Copies of the 1993 and 1996 editions are available while the supply lasts for \$30.00 each. Include a check made payable to Iowa State University with the order. Clearly specify what edition is requested. Send your order to Census Services, 303 East Hall, Iowa State University, Ames, IA 50011; the phone number is 515-294-6482 and our fax number is 515-294-0592.

#### Previous Editions Out of Print (Available in Libraries): 1989, 1990, 1991, 1992, 1994, and 1995

If you don't have the 1995 edition, here are items it included that are not repeated in later editions: Estimated Population (1994) and Population (1990) in Selected Subdivisions, Historical Trends of the Population (1850-1990) and Estimated Population (1994) in Iowa's Incorporated Places, Retail Trade: 1977-1992, Wholesale Trade: 1977-1992, Service Industries: 1982-1992, Voting for Selected Candidates in U.S. and Iowa Elections: 1980-1994.

These sections were in the 1994 data book and not repeated later: Farm Numbers and Average Acres: 1880-1992; Tenure and Type of Organization of Farms: 1978-1992; Selected Characteristics of Farm Operators: 1978-1992; Hogs and Pigs Sold: 1978-1992; Fattened Cattle Sold for Slaughter: 1978-1992; Corn and Soybeans Grown: 1978-1992; Market Value of Agricultural Products Sold: 1978-1992.

The 1992 edition contained several items not repeated since: Urban, Rural, and Farm Populations: 1940-1990; Year Housing Units Built: 1940-1990; Median Housing Value, Contract Rent, and Gross Rent: 1940-1990; Education Completed by Residents Aged 25 or Older: 1940-1990; Labor-force Status by Sex: 1950-1990; Family and Household Income: 1949-1989; Poverty: 1969-1989; Residence in the Census Year and Five Years Earlier: 1960-1990; Domestic Abuse: 1986-1990; Serious Crimes Reported: 1980-1990; Arrests of Juveniles: 1980-1990.

And the following were in the 1991 edition but not those that have followed: Housing Units: 1940-1990, Age: 1980-1990, Younger (17 and Under) and Older (65 and Over) Residents: 1940-1990, Race and Hispanic Origin: 1980-1990, Marital Status: 1950-1990, Family Type and Presence of Related Children: 1970-1990, Residents of Households and Group Quarters: 1950-1990.



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## Introduction

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This ninth edition of our county data book continues our tradition of providing information of use to residents throughout Iowa. We're pleased that this annual publication has become one of the most frequently referenced data sources in the state. As we've done in previous editions, tables have been constructed from varied sources to serve as a reference for demographic and socioeconomic change in Iowa's counties. We've focused on the 1990s for the most part, although one section traces population back to 1850 while another projects it to 2020. We are particularly interested in providing data that readers can use to determine trends that are occurring in Iowa; that's why all of the sections have data for at least two years.

This year we've added estimates of net migration, government transfer payments to individuals, median household income, and percentages in poverty. Information on state tax returns and property tax evaluations has been included for the first time. So has the ethnicity of current students and projections of general public school enrollment to 2002. Data on veterans living in Iowa and expenditures by the U.S. Department of Veterans Affairs make their initial appearances. And numbers of registered voters by party affiliation and by age and the percentage voting in each county are compiled in a new section. Detailed migration data from 1985 to 1990 by sex, age, and education categories, which provide additional insights on population change in Iowa, have been included. A section on voting for U.S. President and members of the U.S. House of Representatives, based on the 1996 election, is an example of something that we include every two years. And we updated all other sections with the most recent data available.

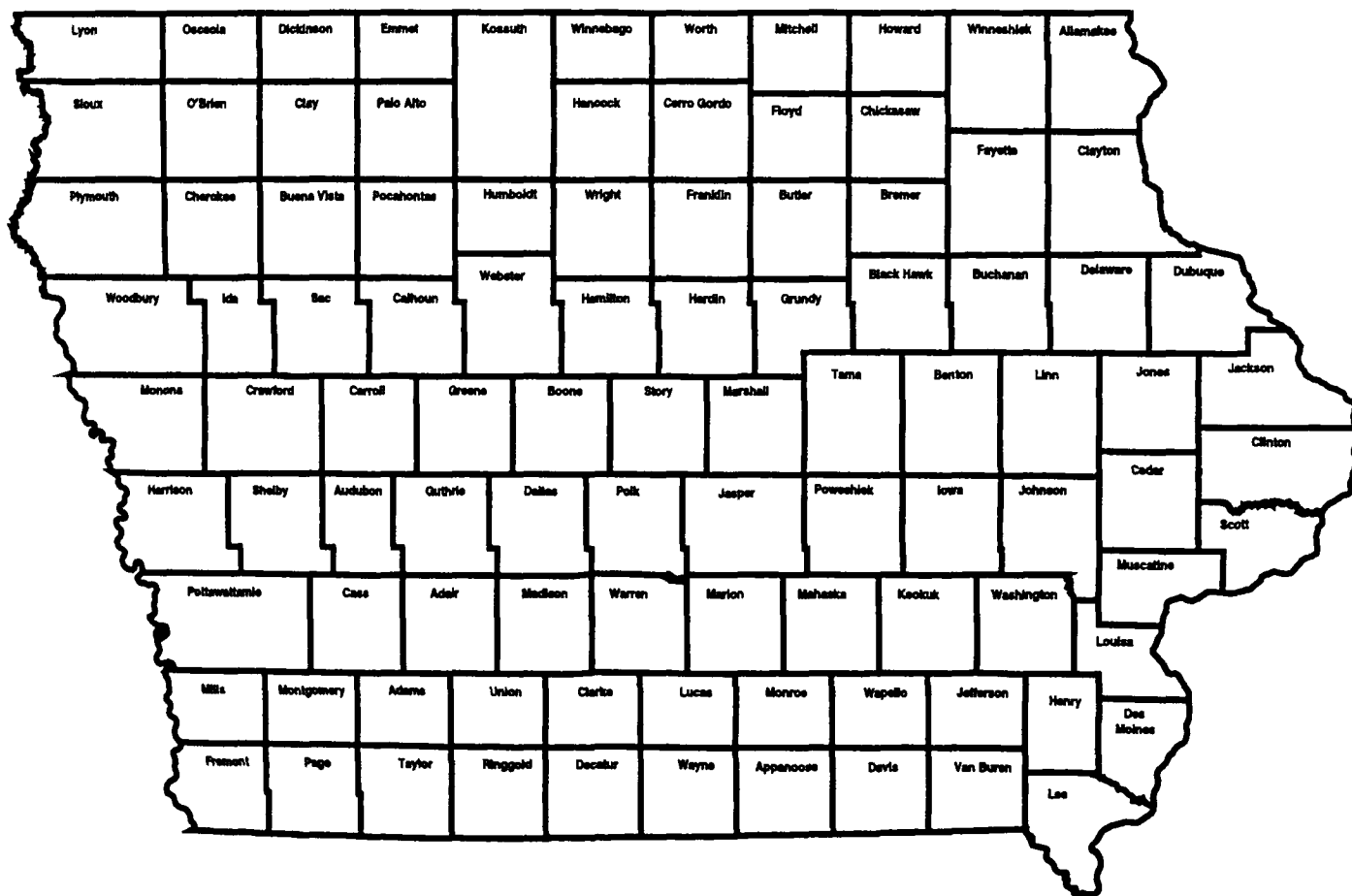
Each data set in this volume is accompanied by a commentary that provides a brief analysis of trends. Graphics highlight either changes in state figures or differences across the counties. Definitions are provided where necessary, as well as notes of caution and an indication of the source of the data. For assistance in locating counties mentioned in the text, please see the map included on page 4 and elsewhere in this volume.

We continue to be confident that readers will find sources of data on Iowa's counties that they haven't seen previously--unless it was in previous editions of this publication. Because we add some items each year and delete others, readers interested in having as much information as possible will want to collect and retain all volumes in this series.

We know that the statistics we've included have never been published in one source; indeed, several never have been published previously for the general public. But we've undoubtedly missed other data sets for Iowa's counties that would be valuable to share in future editions. Thus, suggestions on data that would be useful would be appreciated; this year, for example we've included information on veterans that was brought to our attention. Although the numbers in the tables have been checked and rechecked, it is possible that some are incorrect. Please inform us of any discrepancies from published documents so that they can be corrected in the next edition of this volume.

Census Services is located at 303 East Hall, Department of Sociology, Iowa State University, Ames, IA 50011. We can be reached by telephone (515-294-6482), fax (515-294-0592), or e-mail (ramiller@iastate.edu, scburke@iastate.edu, mmhanson@iastate.edu, wjgoudy@iastate.edu). Check our homepage on the Internet (<http://socserver.soc.iastate.edu/census/>) for the latest information.

**Note:** Renea Miller is the clerk-typist for Census Services. She entered and verified data for several sections of this volume. In addition, she trained students on data entry procedures; she is our expert on using a microcomputer system to produce maps and figures. Miller does all of this while giving Census Services less than half of her time. We are delighted that she continues to be an important part of our small group of professionals. Ma En-hua completed her second year as a graduate student on this project; she entered data, revised text, and checked many of the sections; her ability to catch errors is amazing—and much appreciated. We also are indebted to ISU undergraduates Sarah Mueller and Sharon Whetstone for their work in adding data to our files, checking the accuracy of those numbers, and updating some of the reports; Mueller graduated from ISU this year and we wish her well, while Whetstone joined us this fall. Finally, we acknowledge the many persons involved in providing data for this volume; their assistance is greatly appreciated.



## **Population Estimates in Iowa's Counties: 1991-1996 and 1971-1989**

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The U.S. Bureau of the Census estimates the population of counties each year between the decennial censuses. The estimates for 1 July 1996 were released in March of 1997. They are included with revised estimates for 1991-1995 and the 1990 census counts in Table 1. Iowa's population was estimated to have increased by nearly 75,000 (2.7 percent) between 1 April 1990 (census date) and 1 July 1996 (Table 1). While the nation as a whole has been increasing by about 1 percentage point per year, growth has been slower in Iowa (about half a percentage point a year).

### **1990-1996 Population Change**

Fifty-four counties were estimated to have gained residents between 1990 and 1996 (Figure 1), with increases greater than 1,000 in 17 of these 54. The gains of 27,010 in Polk and 10,644 in Linn were the only ones exceeding 10,000; Johnson and Scott each increased by at least 5,000 residents. Twenty-eight of the 54 counties with gains grew by fewer than 500 inhabitants.

Declines occurred in 45 counties, although only in Webster was the decrease greater than 1,000. Black Hawk, Cherokee, Clinton, Floyd, Kossuth, Palo Alto, and Pocahontas noted declines of at least 500, while the remaining 37 had decreases of less than 500.

Iowa's relatively slow rate of growth is reflected in county figures as well (Figure 2); 49 of the 99 counties increased (24) or decreased (25) by less than 2 percent in the 1990-1996 period. Twelve counties (Benton, Dallas, Dickinson, Iowa, Johnson, Jones, Linn, Madison, Mills, Polk, Warren, Washington) grew by 5 percent or more; Dallas was the only county that gained at least 10 percent. Four (Adams, Audubon, Palo Alto, Pocahontas) declined by at least 5 percent from 1990 to 1996.

The estimates for the state and counties are based on births, deaths, and residual change. Most of the residual is net migration. Residual change also is affected by any inaccuracies in data supplied to the census bureau or in variations in implementing the estimating method. Actually, even the births and deaths are based on estimates, since they normally are reported for calendar years rather than the period covered by the population estimate. Thus, caution is urged in interpreting the estimates. They provide only a preliminary view of change since the 1990 census.

### **1971-1979 and 1981-1989 Population Estimates**

After a decennial census, the bureau re-evaluates the estimates that it provided during the previous decade and issues revised numbers. These revisions are reported in Tables 2 and 3. Generally, the revised figures for 1981-1989 are substantially lower, especially in the initial years of the 1980s, than were reported originally. These revised numbers have been used throughout this edition of the annual county data book as the base to calculate rates and percentages for the years between the 1970 and 1990 censuses.

Table 1. Estimated Population (1991-1996), Population (1990), and Estimated Change (1990-1996) in Iowa Counties.

County	1 July 1996	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1996	
								Number	Percent
Adair	8224	8286	8305	8415	8393	8402	8409	-185	-2.2
Adams	4494	4500	4547	4593	4658	4731	4866	-372	-7.6
Allamakee	14002	14079	13924	13965	13913	13855	13855	147	1.1
Appanoose	13616	13674	13684	13840	13821	13743	13743	-127	-0.9
Audubon	6894	6875	6948	7006	7120	7235	7334	-440	-6.0
Benton	24510	24137	23669	23334	22787	22574	22429	2081	9.3
Black Hawk	122806	123077	123918	124432	124367	124604	123798	-992	-0.8
Boone	25875	25502	25215	25220	25321	25366	25186	689	2.7
Bremer	23280	23218	23175	23191	23058	22939	22813	467	2.0
Buchanan	21175	21294	21309	21132	20979	20919	20844	331	1.6
Buena Vista	19862	20065	20114	20247	20089	19959	19965	-103	-0.5
Butler	15781	15745	15730	15693	15789	15830	15731	50	0.3
Calhoun	11478	11430	11655	11518	11531	11510	11508	-30	-0.3
Carroll	21536	21603	21489	21621	21474	21420	21423	113	0.5
Cass	14930	15047	15120	15039	15020	15041	15128	-198	-1.3
Cedar	17809	17682	17509	17518	17677	17491	17444	365	2.1
Cerro Gordo	46584	46633	46518	46585	46838	47076	46733	-149	-0.3
Cherokee	13477	13591	13833	13918	13982	14064	14098	-621	-4.4
Chickasaw	13493	13429	13390	13317	13271	13246	13295	198	1.5
Clarke	8255	8136	8159	8344	8354	8273	8287	-32	-0.4
Clay	17598	17412	17573	17664	17741	17621	17585	13	0.1
Clayton	18893	18833	18830	18848	18771	18864	19054	-161	-0.9
Clinton	50471	50889	50983	51274	51254	50973	51040	-569	-1.1
Crawford	16503	16461	16494	16501	16668	16669	16775	-272	-1.6
Dallas	33900	32947	32158	31614	30927	30349	29755	4145	13.9
Davis	8447	8539	8454	8389	8318	8315	8312	135	1.6
Decatur	8232	8177	8091	8049	8138	8139	8338	-106	-1.3
Delaware	18506	18394	18360	18321	18307	18158	18035	471	2.6
Des Moines	42564	42679	42879	42888	42858	42782	42614	-50	-0.1
Dickinson	15725	15664	15447	15392	15248	15195	14909	816	5.5
Dubuque	88201	88566	88423	88062	87343	86798	86403	1798	2.1
Emmet	11114	11153	11286	11405	11608	11603	11569	-455	-3.9
Fayette	22061	21799	21890	21935	21974	22002	21843	218	1.0
Floyd	16538	16603	16712	16815	16948	16855	17058	-520	-3.0
Franklin	11017	11106	11107	11256	11181	11316	11364	-347	-3.1
Fremont	7918	8097	8173	8141	8189	8163	8226	-308	-3.7
Greene	10120	10080	10100	10143	10092	10058	10045	75	0.8
Grundy	12340	12303	12155	12062	12075	11954	12029	311	2.6
Guthrie	11420	11406	11281	11199	11177	11129	10935	485	4.4
Hamilton	16102	16193	16008	16055	16129	16043	16071	31	0.2
Hancock	12152	12184	12091	12167	12386	12492	12638	-486	-3.9
Hardin	18682	18685	18682	18619	18797	18951	19094	-412	-2.2
Harrison	15230	15115	14920	14816	14698	14679	14730	500	3.4
Henry	19867	19826	19760	19576	19609	19472	19226	641	3.3
Howard	9766	9887	9870	9895	9899	9865	9809	-43	-0.4
Humboldt	10431	10284	10387	10479	10562	10674	10756	-325	-3.0
Ida	8109	8193	8308	8316	8285	8281	8365	-256	-3.1
Iowa	15381	15193	14947	14882	14768	14752	14630	751	5.1
Jackson	20057	20120	20217	20094	20058	19887	19950	107	0.5
Jasper	35470	35163	35129	34979	34856	34747	34795	675	1.9

Table 1. Estimated Population (1991-1996), Population (1990), and Estimated Change (1990-1996) in Iowa Counties (continued).

County	1 July 1996	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1996	
								Number	Percent
Jefferson	16901	16829	16852	16761	16488	16383	16310	591	3.6
Johnson	101609	101291	100620	99082	98064	96730	96119	5490	5.7
Jones	20593	20273	20015	19852	19759	19574	19444	1149	5.9
Keokuk	11594	11564	11499	11628	11610	11623	11624	-30	-0.3
Kossuth	18021	18147	18175	18164	18225	18300	18591	-570	-3.1
Lee	38879	39130	39051	38906	39060	38912	38687	192	0.5
Linn	179411	178559	176741	174891	173009	170624	168767	10644	6.3
Louisa	12017	11793	11745	11741	11426	11616	11592	425	3.7
Lucas	9054	9015	9003	9057	9048	9118	9070	-16	-0.2
Lyon	11962	11890	11897	11974	11974	11947	11952	10	0.1
Madison	13663	13490	13063	12885	12788	12575	12483	1180	9.5
Mahaska	21757	21927	21749	21645	21507	21455	21532	225	1.0
Marion	31359	31102	30671	30440	30227	30151	30001	1358	4.5
Marshall	38868	38627	38279	37909	37784	38128	38276	592	1.5
Mills	14054	13802	13592	13376	13375	13266	13202	852	6.5
Mitchell	11130	11129	11086	11020	10847	10924	10928	202	1.8
Monona	9981	9968	10013	10022	10010	9960	10034	-53	-0.5
Monroe	8113	8177	8165	8160	8199	8162	8114	-1	-0.0
Montgomery	11908	11939	12013	12044	11909	11975	12076	-168	-1.4
Muscatine	41158	41435	41292	41202	40837	40544	39907	1251	3.1
O'Brien	15030	15349	15389	15412	15481	15440	15444	-414	-2.7
Osceola	7095	7077	7165	7196	7217	7273	7267	-172	-2.4
Page	16784	16676	16747	16635	16664	16848	16870	-86	-0.5
Palo Alto	10136	10200	10433	10436	10514	10583	10669	-533	-5.0
Plymouth	24482	24220	24103	23852	23652	23441	23388	1094	4.7
Pocahontas	9001	9119	9120	9159	9305	9390	9525	-524	-5.5
Polk	354150	349560	345860	342671	337940	332516	327140	27010	8.3
Pottawattamie	84939	83701	83404	83654	83516	82862	82628	2311	2.8
Poweshiek	18975	19014	19029	18880	18942	18945	19033	-58	-0.3
Ringgold	5345	5373	5374	5376	5392	5393	5420	-75	-1.4
Sac	11986	12087	12157	12059	12168	12165	12324	-338	-2.7
Scott	157353	156694	156084	155609	155084	153307	150973	6380	4.2
Shelby	13065	13089	13140	13181	13236	13272	13230	-165	-1.2
Sioux	31191	31398	31349	30908	30410	30098	29903	1288	4.3
Story	74610	74638	74478	74904	74367	74067	74252	358	0.5
Tama	17678	17878	17817	17615	17431	17379	17419	259	1.5
Taylor	7186	7152	7124	7073	7057	7071	7114	72	1.0
Union	12613	12416	12455	12563	12558	12667	12750	-137	-1.1
Van Buren	7807	7767	7739	7772	7731	7736	7676	131	1.7
Wapello	35766	35770	35994	36086	35910	35746	35696	70	0.2
Warren	39386	38940	38479	37916	37249	36624	36033	3353	9.3
Washington	20706	20508	20294	20274	20200	19895	19612	1094	5.6
Wayne	6847	6866	6924	6986	6977	7036	7067	-220	-3.1
Webster	39014	39206	39415	39904	40117	40239	40342	-1328	-3.3
Winnebago	11984	11900	11908	11853	11920	11977	12122	-138	-1.1
Winneshiak	20963	21058	21039	21035	21001	21033	20847	116	0.6
Woodbury	102580	101827	101246	100840	99938	99245	98276	4304	4.4
Worth	7865	7926	7877	7966	7883	7882	7991	-126	-1.6
Wright	14327	14314	14189	14168	14262	14152	14269	58	0.4
State of Iowa	2851792	2841764	2830779	2821506	2807574	2791313	2776831	74961	2.7

Table 2. Estimates (1 July 1981-1989) and Census Counts (1 April 1980, 1990) of Population in Iowa's Counties.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	8409	8430	8510	8550	8700	8940	9140	9210	9260	9400	9509
Adams	4866	4990	5100	5220	5200	5310	5420	5490	5560	5630	5731
Allamakee	13855	14070	14160	14160	14390	14640	14830	14890	14870	14990	15108
Appanoose	13743	13820	13960	14120	14150	14390	14650	14870	15160	15360	15511
Audubon	7334	7410	7510	7610	7850	8090	8320	8250	8360	8470	8559
Benton	22429	22440	22300	22210	22350	22520	22820	22910	23300	23610	23649
Black Hawk	123798	123260	122450	123820	126210	130080	133880	135580	136840	137900	137961
Boone	25186	25110	25180	25160	25320	25510	25710	25900	26060	26280	26184
Bremer	22813	22710	22520	22720	23230	23710	24200	24540	24660	24790	24820
Buchanan	20844	20890	20760	20790	21080	21810	22250	22740	22980	23030	22900
Buena Vista	19965	20050	20170	20100	20400	20570	20930	20750	20850	20890	20774
Butler	15731	15830	15970	15990	16330	16780	17100	17250	17430	17580	17668
Calhoun	11508	11600	11640	11760	11960	12340	12760	13010	13240	13390	13542
Carroll	21423	21500	21730	21780	22100	22430	22640	22640	22670	22970	22951
Cass	15128	15230	15330	15420	15840	16370	16880	16880	16920	17060	16932
Cedar	17444	17380	17330	17480	17820	18210	18430	18580	18520	18620	18635
Cerro Gordo	46733	46850	47220	47360	48160	48500	48060	48070	48220	48420	48458
Cherokee	14098	14140	14280	14510	14850	15270	15660	15850	15870	16130	16238
Chickasaw	13295	13420	13540	13720	14180	14490	14900	15150	15210	15320	15437
Clarke	8287	8330	8410	8350	8290	8390	8490	8570	8720	8650	8612
Clay	17585	17450	17200	17320	17770	18390	18950	19200	19220	19400	19576
Clayton	19054	19220	19370	19410	19700	20180	20510	20600	20810	20950	21098
Clinton	51040	51060	51370	51720	52450	53590	54520	55330	56360	56680	57122
Crawford	16775	17060	17480	17610	17740	18330	18740	18810	18840	18890	18935
Dallas	29755	29320	29180	28810	28880	29250	29180	29320	29180	29360	29513
Davis	8312	8300	8380	8560	8690	8790	8930	8990	9030	9110	9104
Decatur	8338	8490	8460	8560	8780	8910	9100	9280	9580	9750	9794
Delaware	18035	18050	17990	17930	18060	18520	18760	18730	18720	18850	18933
Des Moines	42614	42610	42810	42950	43220	43850	44360	44710	45420	46120	46203
Dickinson	14909	14850	14730	14660	14820	15050	15220	15250	15390	15570	15629
Dubuque	86403	86650	87360	87130	87770	89100	89620	90300	91990	93310	93745
Emmet	11569	11540	11680	11650	11900	12410	12760	12830	13140	13270	13336
Fayette	21843	21850	21880	22000	22600	23380	24150	24460	24840	25060	25488
Floyd	17058	17310	17400	17540	17890	18520	18780	19000	19100	19350	19597
Franklin	11364	11400	11540	11800	12100	12400	12510	12720	12790	12900	13036
Fremont	8226	8250	8440	8670	8670	8830	9030	9060	9170	9250	9401
Greene	10045	10170	10310	10520	10820	11200	11490	11710	11790	11980	12119
Grundy	12029	12120	12280	12430	12800	13250	13510	13780	13950	14190	14366
Guthrie	10935	10920	11070	11050	11280	11420	11600	11550	11690	11860	11983
Hamilton	16071	16300	16460	16570	16840	16990	17200	17430	17590	17840	17862
Hancock	12638	12830	12870	12900	13090	13380	13500	13410	13580	13660	13833
Hardin	19094	19220	19390	19640	20280	20880	21320	21320	21550	21660	21776
Harrison	14730	14830	15080	15180	15340	15450	15630	15810	16040	16160	16348
Henry	19226	19050	19120	19060	18970	18840	18560	18550	18690	18810	18890
Howard	9809	9910	10060	10140	10290	10570	10860	10780	10910	11000	11114
Humboldt	10756	10760	10870	10950	11270	11620	11830	11940	11970	12180	12246
Ida	8365	8390	8340	8380	8600	8750	8800	8800	8750	8890	8908
Iowa	14630	14660	14700	14700	14920	15080	15120	15100	15160	15410	15429
Jackson	19950	20190	20580	20810	21120	21570	21860	21990	22080	22300	22503
Jasper	34795	34760	34750	34570	34640	34720	35030	35240	35710	36050	36425



Table 2. Estimates (1 July 1981-1989) and Census Counts (1 April 1980, 1990) of Population in Iowa's Counties (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	16310	16380	16350	16300	16270	16330	16380	16140	16320	16090	16316
Johnson	96119	94370	92570	90500	89410	88540	87330	86020	84640	83690	81717
Jones	19444	19390	19140	19030	19350	19650	19900	19920	20020	20180	20401
Keokuk	11624	11660	11830	11900	12120	12390	12500	12570	12640	12780	12921
Kossuth	18591	18840	19040	19160	19690	20400	20830	21020	21200	21520	21891
Lee	38687	38890	39170	39670	40320	40800	41570	41890	42270	42580	43106
Linn	168767	167710	165980	164340	164170	164830	165250	165410	167050	168750	169775
Louisa	11592	11570	11640	11630	11630	11790	12000	11990	12000	12150	12055
Lucas	9070	9180	9300	9390	9550	9770	10040	10070	10280	10270	10313
Lyon	11952	11910	11950	11900	12080	12380	12580	12740	12700	12790	12896
Madison	12483	12410	12320	12260	12240	12210	12230	12320	12470	12500	12597
Mahaska	21532	21410	21560	21470	21640	21850	22140	22010	22280	22560	22867
Marion	30001	30040	29890	29590	29460	29520	29630	29680	29930	29830	29669
Marshall	38276	38280	38410	38760	39660	40280	40980	41530	41830	41830	41652
Mills	13202	13240	13320	13210	13230	13340	13310	13370	13380	13520	13406
Mitchell	10928	11010	11110	11140	11260	11430	11590	11840	11940	12110	12329
Monona	10034	10160	10300	10340	10530	10840	11210	11420	11400	11520	11692
Monroe	8114	8100	8150	8250	8360	8590	8700	8850	8950	9120	9209
Montgomery	12076	12110	12060	12090	12350	12840	13170	13130	13150	13360	13413
Muscatine	39907	39760	39740	39540	40020	40420	40850	41070	41400	41000	40436
O'Brien	15444	15520	15560	15610	15930	16320	16700	16920	16860	16970	16972
Osceola	7267	7260	7350	7360	7540	7760	8060	8130	8130	8260	8371
Page	16870	16840	16740	16970	17300	17790	18180	18360	18610	18920	19063
Palo Alto	10669	10760	10850	10980	11370	11890	12160	12450	12510	12670	12721
Plymouth	23388	23450	23690	23560	23600	23690	24080	24290	24430	24880	24743
Pocahontas	9525	9720	9870	10010	10370	10740	10840	10930	10970	11160	11369
Polk	327140	322470	317120	312850	309720	308350	307090	305720	304570	304870	303170
Pottawattamie	82628	82780	83330	83800	84180	84830	85620	85470	85940	86320	86561
Poweshiek	19033	19060	18920	18750	18700	18890	18820	19050	19100	19270	19306
Ringgold	5420	5440	5430	5430	5570	5790	5970	6000	6110	6080	6112
Sac	12324	12350	12380	12560	12750	13080	13280	13460	13740	14010	14118
Scott	150973	150040	150220	150910	152610	154570	156280	157400	159620	160180	160022
Shelby	13230	13280	13420	13470	13800	14200	14700	14630	14780	14830	15043
Sioux	29903	29880	29980	29600	29900	30440	30610	30700	30530	30650	30813
Story	74252	73720	73880	73320	74020	74050	73410	73320	72300	72870	72326
Tama	17419	17490	17680	17810	18220	18660	19000	19040	19210	19340	19533
Taylor	7114	7190	7240	7410	7590	7840	8090	8210	8310	8320	8353
Union	12750	12640	12750	12860	12930	13140	13490	13660	13750	13850	13858
Van Buren	7676	7670	7850	7870	7990	8120	8300	8420	8520	8630	8626
Wapello	35696	35680	35590	36240	37140	38160	38820	39070	39380	39940	40241
Warren	36033	35660	35180	35040	34900	34780	34780	34720	34730	34980	34878
Washington	19612	19600	19640	19520	19620	19770	19810	19870	20070	20190	20141
Wayne	7067	7060	7080	7230	7360	7520	7820	7870	7960	8090	8199
Webster	40342	40510	40690	41110	41680	42690	43470	44110	44900	45490	45953
Winnebago	12122	12130	12050	12030	12320	12540	12630	12550	12550	12680	13010
Winneshiek	20847	21040	21050	20960	21140	21430	21690	21760	21820	21930	21876
Woodbury	98276	97750	97570	96800	97530	98910	99740	99810	100550	101190	100884
Worth	7991	8100	8170	8190	8480	8700	8810	8870	8950	9020	9075
Wright	14269	14350	14320	14430	14830	15400	15800	15770	15850	16080	16319
State of Iowa	2776831	2770720*	2768550*	2767130*	2792050*	2829780*	2858690*	2870650*	2888250*	2908050*	2913808

\*The sums of the county estimates are as follows: 1989, 2,770,840; 1988, 2,768,650; 1987, 2,767,200; 1986, 2,792,140; 1985, 2,829,820; 1984, 2,858,740; 1983, 2,870,680; 1982, 2,888,340; 1981, 2,908,120. Differences between the bureau's estimates for the state and the county sums are due to rounding at the county level.

Table 3. Estimates (1 July 1971-1979) and Census Counts (1 April 1970, 1980) of Population in Iowa's Counties.

County	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Adair	9509	9500	9400	9400	9300	9300	9300	9600	9500	9300	9487
Adams	5731	5800	5900	5900	5800	5900	6000	6100	6300	6300	6322
Allamakee	15108	15400	15700	15600	15300	15200	15000	15100	15400	15300	14968
Appanoose	15511	15500	15400	15600	15200	14900	14700	15000	15500	15200	15007
Audubon	8559	8900	9000	9000	9000	8900	8900	9100	9400	9400	9595
Benton	23649	23700	23500	23400	23000	22900	22800	22900	22900	23000	22885
Black Hawk	137961	136200	136200	134900	134200	133100	132400	132800	132400	133400	132916
Boone	26184	26300	26400	26500	26300	26200	26500	26800	27500	26900	26470
Bremer	24820	24300	24000	23900	23800	23800	23800	23300	23100	22800	22737
Buchanan	22900	23200	23100	23100	22700	22500	22100	22000	21600	21600	21762
Buena Vista	20774	20600	20900	20900	20900	20800	20900	21000	21200	21000	20693
Butler	17668	17800	17700	17700	17500	17400	17400	17200	17100	17000	16953
Calhoun	13542	13500	13700	13800	13900	13800	13800	14000	13900	14200	14292
Carroll	22951	22900	23100	23000	23000	23000	23100	23100	22800	22800	22912
Cass	16932	17200	17200	17100	17000	17000	17100	17200	17000	17200	17007
Cedar	18635	18800	18900	18800	18300	17800	17800	18000	18100	18000	17655
Cerro Gordo	48458	48500	48900	49200	49200	49300	49700	49700	49300	49500	49223
Cherokee	16238	16400	16600	16600	16500	16500	16900	17200	17400	17300	17269
Chickasaw	15437	15500	15500	15400	15300	15200	14900	14900	14800	14700	14969
Clarke	8612	8500	8300	8200	8100	8000	7800	7800	7900	7600	7581
Clay	19576	19600	19500	19200	19000	18800	18500	18400	18400	18600	18464
Clayton	21098	21600	21800	21800	21500	21400	21100	21100	21300	20800	20606
Clinton	57122	58300	58300	58300	58200	57900	57400	56800	57100	57400	56749
Crawford	18935	19300	19200	19200	18900	18800	18700	18700	18900	18900	19116
Dallas	29513	29000	28800	28300	27800	27500	27200	26900	26600	26400	26085
Davis	9104	9200	9100	9200	8800	8600	8500	8400	8400	8200	8207
Decatur	9794	9800	9800	10000	9900	9900	9700	9600	9800	9700	9737
Delaware	18933	18700	18800	18800	18900	18900	18700	18800	18800	18400	18770
Des Moines	46203	45800	46000	45700	45600	45600	45800	45600	45500	46400	46982
Dickinson	15629	15700	15300	15100	14700	14300	13700	13400	13000	12900	12565
Dubuque	93745	93400	93700	94300	95700	94700	93800	93700	92700	91700	90609
Emmet	13336	13500	13700	13900	13700	13600	13700	13800	14200	13900	14009
Fayette	25488	25200	25800	26100	26100	26100	26200	26500	27100	26800	26898
Floyd	19597	19600	19800	19800	20100	20200	19900	19700	20300	21000	19860
Franklin	13036	13100	12900	12800	13100	13000	12900	13000	13200	13200	13255
Fremont	9401	9700	9700	9600	9600	9600	9600	9600	9800	9700	9282
Greene	12119	12300	12200	12300	12400	12400	12400	12500	12600	12700	12716
Grundy	14366	14400	14200	14000	14100	14100	14000	14000	14100	14100	14119
Guthrie	11983	11900	12000	12300	12200	12200	12300	12400	12700	12300	12243
Hamilton	17862	18000	18100	18000	18300	18200	18100	18400	17800	18000	18383
Hancock	13833	13800	13900	14000	13800	13600	13400	13700	13900	13500	13506
Hardin	21776	22000	21700	22100	22200	22200	22300	22100	22300	22300	22248
Harrison	16348	16600	16600	16900	16700	16600	16600	16800	17100	16600	16240
Henry	18890	18900	19000	18600	18400	18300	18300	18200	18200	18300	18114
Howard	11114	11100	11300	11500	11500	11500	11300	11300	11200	11300	11442
Humboldt	12246	12300	12400	12600	12600	12400	12400	12500	12800	12700	12519
Ida	8908	9000	9000	9100	9100	9100	9200	9400	9300	9200	9283
Iowa	15429	15700	15800	15900	15900	15900	15800	15900	15500	15400	15419
Jackson	22503	22400	22300	22100	21900	21600	21300	21200	21200	21300	20839
Jasper	36425	36800	36700	36700	36700	36600	36500	36500	35500	35700	35425

Table 3. Estimates (1 July 1971-1979) and Census Counts (1 April 1970, 1980) of Population in Iowa's Counties (continued).

County	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Jefferson	16316	16300	16200	15900	15700	15300	14600	15900	16200	16300	15774
Johnson	81717	81400	79500	79200	79100	76500	76100	74900	73100	73600	72127
Jones	20401	20400	20100	20300	20200	19900	19500	19600	19800	19800	19868
Keokuk	12921	13100	13300	13500	13500	13500	13600	13900	13900	14200	13943
Kossuth	21891	21900	22100	22100	22300	22400	22300	22600	23100	23000	22937
Lee	43106	43400	43800	43800	43400	42600	42900	42800	43400	44200	42996
Linn	169775	167900	167500	167200	168200	167200	165700	164500	165200	164800	163213
Louisa	12055	12100	12100	11900	11500	11300	11200	11200	11200	11000	10682
Lucas	10313	10400	10300	10200	10300	10300	10300	10400	10400	10300	10163
Lyon	12896	12800	13100	13000	13100	13100	13200	13400	13100	13000	13340
Madison	12597	12900	12800	12600	12300	12100	12200	12200	12200	11700	11558
Mahaska	22867	23000	23000	22900	22200	22100	22500	22400	22500	22500	22177
Marion	29669	29200	29200	28700	27900	27400	27000	26800	26900	26800	26352
Marshall	41652	41700	42400	43000	42700	42700	42200	42000	42400	41800	41076
Mills	13406	13600	13400	13200	12900	12600	12600	12400	12600	12300	11832
Mitchell	12329	12400	12500	12500	12700	12600	12600	12700	12600	12900	13108
Monona	11692	12200	12200	12200	12100	12000	12000	12200	12200	12000	12069
Monroe	9209	9600	9400	9400	9300	9300	9300	9400	9400	9500	9357
Montgomery	13413	13400	13500	13600	13300	13200	13100	13100	13500	13100	12781
Muscatine	40436	40500	40500	40400	40200	39800	39000	38500	38100	37900	37181
O'Brien	16972	17000	17300	17400	17400	17400	17500	17400	17800	17800	17522
Osceola	8371	8500	8400	8400	8500	8400	8600	8600	8500	8500	8555
Page	19063	19400	19300	19300	19100	19000	19100	18900	19300	19000	18537
Palo Alto	12721	12900	13200	13400	13300	13200	13300	13200	13700	13600	13289
Plymouth	24743	25000	25000	25100	24600	24300	24100	24100	24400	24400	24322
Pocahontas	11369	11700	11800	11800	12100	12200	12000	12200	12300	12700	12793
Polk	303170	302300	302900	302100	304500	303100	300800	297300	292800	291300	286130
Pottawattamie	86561	86500	86900	87800	87300	86700	86800	87500	88900	88300	86991
Poweshiek	19306	19100	19100	19200	19200	19400	19200	19200	19000	18700	18803
Ringgold	6112	6100	6200	6300	6200	6100	6200	6300	6400	6400	6373
Sac	14118	14300	14600	14800	15000	14900	15000	15200	15300	15500	15573
Scott	160022	159600	158700	156900	155100	152800	149600	146200	144700	145000	142687
Shelby	15043	14800	14800	15000	15000	15100	15200	15500	15800	15700	15528
Sioux	30813	30600	30300	29900	29500	29000	28900	28500	28200	28100	27996
Story	72326	71400	71300	69900	69100	68000	67700	66400	64600	63700	62783
Tama	19533	19900	20100	20000	19900	19600	20200	20200	20100	20400	20147
Taylor	8353	8300	8400	8300	8400	8400	8400	8600	8800	8900	8790
Union	13858	14100	13900	13800	13700	13500	13600	13600	13900	13700	13557
Van Buren	8626	8500	8500	8600	8300	8300	8500	8500	8800	8500	8643
Wapello	40241	40700	40500	40500	40100	39800	40800	42000	41900	42300	42149
Warren	34878	34300	33600	32900	31900	31200	30700	30300	28900	28100	27432
Washington	20141	20300	20100	20000	19700	19500	19500	19400	19400	19000	18967
Wayne	8199	8100	8200	8300	8200	8200	8400	8400	8300	8300	8405
Webster	45953	45900	46500	46800	47200	47000	47000	47200	48300	48200	48391
Winnebago	13010	13500	13700	13600	13600	13400	13700	14000	13500	13000	12990
Winneshiek	21876	22200	22000	21900	21700	21700	21800	22000	22100	21900	21758
Woodbury	100884	102300	104200	105200	105300	104600	104400	104400	104500	104400	103052
Worth	9075	9300	9100	9000	8900	8900	8800	9000	9000	8900	8984
Wright	16319	16400	16600	16500	16800	16700	16700	17100	17000	17200	17294
State of Iowa	2913808	2917000*	2919000*	2914000*	2904000*	2881000*	2868000*	2864000*	2860000*	2852000*	2825368

\*The sums of the county estimates are as follows: 1979, 2,916,400; 1978, 2,918,900; 1977, 2,914,500; 1976, 2,904,200; 1975, 2,881,400; 1974, 2,868,600; 1973, 2,863,800; 1972, 2,860,400; 1971, 2,852,100. Differences between the bureau's estimates for the state and the county sums are due to rounding at the county level.

Figure 1. Population change, 1990-1996.

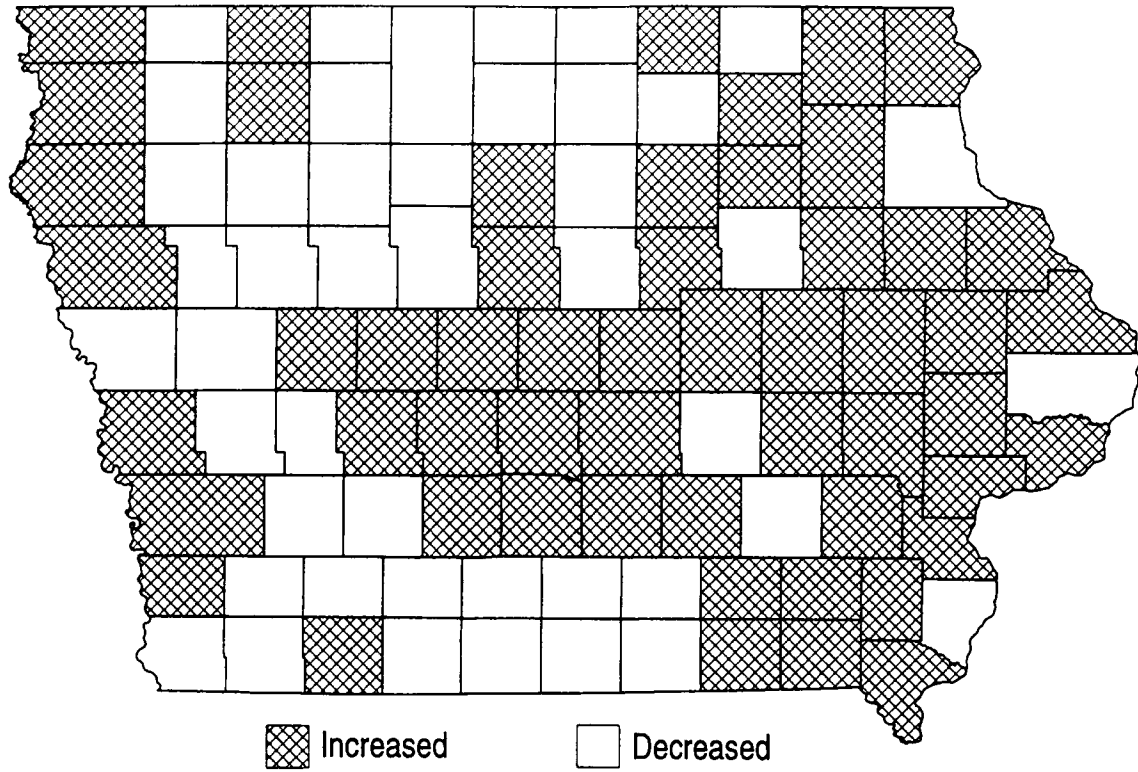
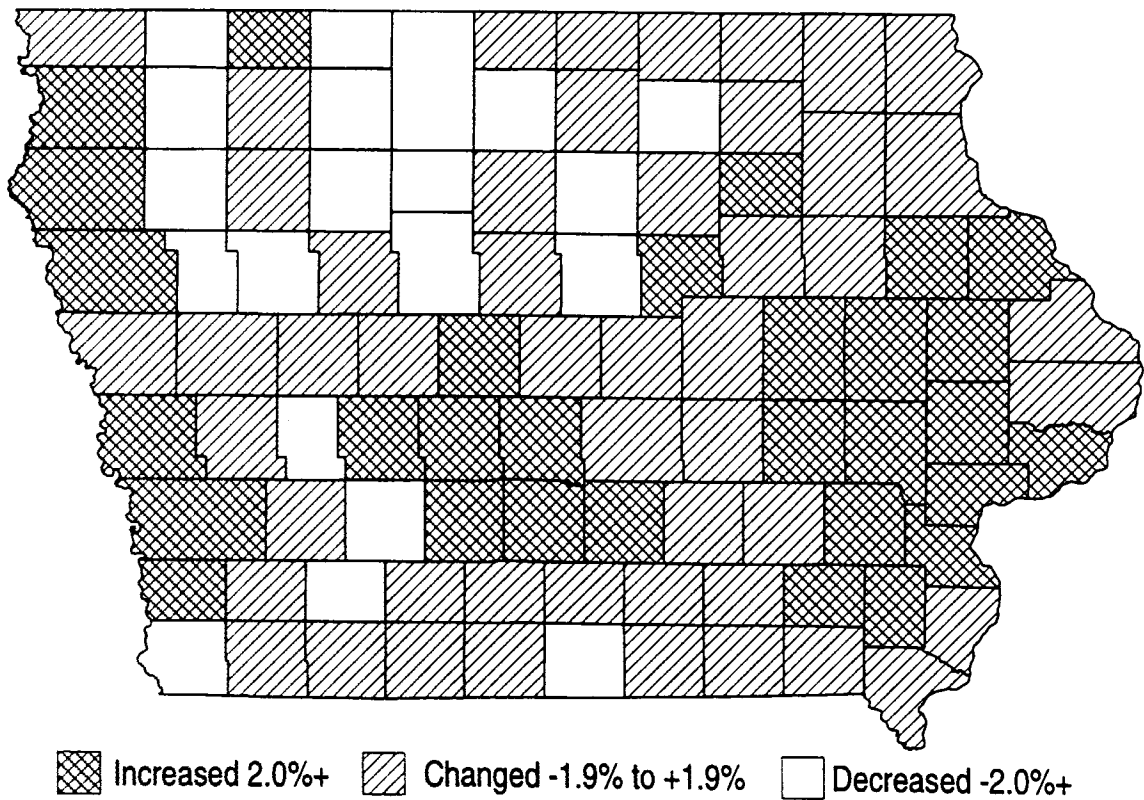


Figure 2. Percent population change, 1990-1996.



## Counts (1990) and Estimates (1996) of Residents Under the Age of 65 and 65 or Older in Iowa's Counties

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As part of the process of estimating the total population of counties between the decennial censuses, the U.S. Bureau of the Census obtains information that allows an estimate of the number of residents 65 years of age or older and those under the age of 65. The estimates for 1 July 1996 were released in March of 1997. They are included with the 1990 census counts in Table 1. In the state, residents 65 or older increased by 7,309 (or 1.7%) from 1990 to 1996. The gain among younger residents was 67,652; the rate of increase was 2.9 percent.

More than 2 of every 5 (42) of Iowa's 99 counties had more residents 65 or older in 1996 than in 1990 (Figure 1) according to bureau estimates. Gains were 100 or more in 21 counties; increases in the top six (Johnson, Linn, Polk, Pottawattamie, Scott, Story) totaled 7,469, or slightly more than the change reported for the state as a whole.

Of the 57 counties estimated to have fewer residents 65 or older in 1996 than in 1990, only Wapello and Woodbury dropped by at least 200. Another 19 reported declines from 100 to 199. Decreases of 5 percent or more from the 1990 count of those 65 or older occurred in 13 predominantly rural counties, although none of these declines exceeded 10 percent. Another 12 counties, most of which contain or are close to urban centers, had gains in this age group of at least 5 percent; Johnson and Warren had estimated increases greater than 10 percent.

Sixty-one counties had more residents under the age of 65 in 1996 than in 1990. Increases exceeded 1,000 in 14 counties, although only Linn, Polk, and Scott had gains of at least 5,000. Benton, Dallas, and Madison counties were estimated to have gains of at least 10 percent; another 11 had increases from 5 to 9 percent.

Of the 38 counties with fewer residents under the age of 65 in 1996 than in the 1990 census, only Black Hawk and Webster declined by at least 1,000. Nineteen others dropped by 200 to 999 residents. Decreases greater than 5 percent occurred only in Adams, Audubon, Cherokee, Emmet, Palo Alto, and Pocahontas.

When the two age groups are considered simultaneously, 24 counties were estimated to have declines among both those under the age of 65 and those 65 or older. Another 33—the largest group of counties—had decreases in the older but increases in the younger age group. Fourteen noted fewer younger but more older residents. The remaining 28 had gains in both age groups (Figure 2).

Generally, the percentage change figures varied somewhat between the two age groups. The rates differed by at least 10 percentage points in six counties. In Benton and Dallas, both older and younger groups increased, but the gain was at least 10 points higher among those under 65. In four counties (Iowa, Madison, Monroe, Taylor), percentage increases occurred among younger residents while declines took place in the older age group and the gaps were greater than 10 percentage points.

Caution is urged in using these population estimates. These figures are subject to error; such errors may be greater in counties with relatively small populations. (Note: Figures for the total population are reported in another section of this volume.)

Table 1. Estimated population (1996), population (1990), and estimated change (1990-1996) among residents 65 or older and younger than 65 in Iowa counties.

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1996	1 April 1990	Estimated Change 1990-1996		1 July 1996	1 April 1990	Estimated Change 1990-1996	
			Number	Percent			Number	Percent
Adair	1781	1962	-181	-9.2	6443	6447	-4	-0.1
Adams	957	1062	-105	-9.9	3537	3804	-267	-7.0
Allamakee	2692	2697	-5	-0.2	11310	11158	152	1.4
Appanoose	2761	2943	-182	-6.2	10855	10800	55	0.5
Audubon	1619	1693	-74	-4.4	5275	5641	-366	-6.5
Benton	3734	3725	9	0.2	20776	18704	2072	11.1
Black Hawk	17198	16820	378	2.2	105608	106978	-1370	-1.3
Boone	4367	4506	-139	-3.1	21508	20680	828	4.0
Bremer	3702	3788	-86	-2.3	19578	19025	553	2.9
Buchanan	3120	3240	-120	-3.7	18055	17604	451	2.6
Buena Vista	3629	3569	60	1.7	16233	16396	-163	-1.0
Butler	3239	3236	3	0.1	12542	12495	47	0.4
Calhoun	2581	2729	-148	-5.4	8897	8779	118	1.3
Carroll	3899	3818	81	2.1	17637	17605	32	0.2
Cass	3108	3170	-62	-2.0	11822	11958	-136	-1.1
Cedar	3040	2976	64	2.2	14769	14468	301	2.1
Cerro Gordo	8331	7881	450	5.7	38253	38852	-599	-1.5
Cherokee	2642	2604	38	1.5	10835	11494	-659	-5.7
Chickasaw	2322	2382	-60	-2.5	11171	10913	258	2.4
Clarke	1547	1539	8	0.5	6708	6748	-40	-0.6
Clay	3015	2892	123	4.3	14583	14693	-110	-0.7
Clayton	3428	3459	-31	-0.9	15465	15595	-130	-0.8
Clinton	8149	8133	16	0.2	42322	42907	-585	-1.4
Crawford	2915	2923	-8	-0.3	13588	13852	-264	-1.9
Dallas	4439	4340	99	2.3	29461	25415	4046	15.9
Davis	1460	1560	-100	-6.4	6987	6752	235	3.5
Decatur	1605	1706	-101	-5.9	6627	6632	-5	-0.1
Delaware	2760	2645	115	4.3	15746	15390	356	2.3
Des Moines	7028	6893	135	2.0	35536	35721	-185	-0.5
Dickinson	3239	3096	143	4.6	12486	11813	673	5.7
Dubuque	12653	12095	558	4.6	75548	74308	1240	1.7
Emmet	2215	2180	35	1.6	8899	9389	-490	-5.2
Fayette	4125	4179	-54	-1.3	17936	17664	272	1.5
Floyd	3272	3328	-56	-1.7	13266	13730	-464	-3.4
Franklin	2155	2283	-128	-5.6	8862	9081	-219	-2.4
Fremont	1598	1774	-176	-9.9	6320	6452	-132	-2.0
Greene	2269	2258	11	0.5	7851	7787	64	0.8
Grundy	2419	2423	-4	-0.2	9921	9606	315	3.3
Guthrie	2319	2305	14	0.6	9101	8630	471	5.4
Hamilton	2983	2956	27	0.9	13119	13115	4	0.0
Hancock	2231	2282	-51	-2.2	9921	10356	-435	-4.2
Hardin	4020	4032	-12	-0.3	14662	15062	-400	-2.6
Harrison	2759	2842	-83	-2.9	12471	11888	583	4.9
Henry	3108	3184	-76	-2.4	16759	16042	717	4.5
Howard	2075	2130	-55	-2.6	7691	7679	12	0.2
Humboldt	2259	2261	-2	-0.9	8172	8495	-323	-3.8
Ida	1696	1701	-5	-0.3	6413	6664	-251	-3.8
Iowa	2650	2753	-103	-3.7	12731	11877	854	7.2
Jackson	3350	3297	53	1.6	16707	16653	54	0.3
Jasper	5829	5541	288	5.2	29641	29254	387	1.3

Table 1. Estimated population (1996), population (1990), and estimated change (1990-1996) among residents 65 or older and younger than 65 in Iowa counties (continued).

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1996	1 April 1990	Estimated Change 1990-1996		1 July 1996	1 April 1990	Estimated Change 1990-1996	
			Number	Percent			Number	Percent
Jefferson	2327	2397	-70	-2.9	14574	13913	661	4.8
Johnson	7965	7095	870	12.3	93644	89024	4620	5.2
Jones	3290	3104	186	6.0	17303	16340	963	5.9
Keokuk	2371	2405	-34	-1.4	9223	9219	4	0.0
Kossuth	3405	3530	-125	-3.5	14616	15061	-445	-3.0
Lee	6361	6443	-82	-1.3	32518	32244	274	0.8
Linn	22095	20455	1640	8.0	157316	148312	9004	6.1
Louisa	1729	1744	-15	-0.9	10288	9848	440	4.5
Lucas	1815	1871	-56	-3.0	7239	7199	40	0.6
Lyon	2096	2126	-30	-1.4	9866	9826	40	0.4
Madison	2132	2243	-111	-4.9	11531	10240	1291	12.6
Mahaska	3696	3790	-94	-2.5	18061	17742	319	1.8
Marion	5013	4833	180	3.7	26346	25168	1178	4.7
Marshall	6666	6675	-9	-0.1	32202	31601	601	1.9
Mills	1896	1803	93	5.2	12158	11399	759	6.7
Mitchell	2374	2376	-2	-0.1	8756	8552	204	2.4
Monona	2333	2393	-60	-2.5	7648	7641	7	0.1
Monroe	1518	1672	-154	-9.2	6595	6442	153	2.4
Montgomery	2543	2636	-93	-3.5	9365	9440	-75	-0.8
Muscatine	5472	5315	157	3.0	35686	34592	1094	3.2
O'Brien	3128	3174	-46	-1.4	11902	12270	-368	-3.0
Osceola	1353	1412	-59	-4.2	5742	5855	-113	-1.9
Page	3422	3529	-107	-3.0	13362	13341	21	0.2
Palo Alto	2170	2198	-28	-1.3	7966	8471	-505	-6.0
Plymouth	3973	3838	135	3.5	20509	19550	959	4.9
Pocahontas	2002	2071	-69	-3.3	6999	7454	-455	-6.1
Polk	40071	37557	2514	6.7	314079	289583	24496	8.5
Pottawattamie	11812	11003	809	7.4	73127	71625	1502	2.1
Poweshiek	3326	3187	139	4.4	15649	15846	-197	-1.2
Ringgold	1342	1319	23	1.7	4003	4101	-98	-2.4
Sac	2628	2723	-95	-3.5	9358	9601	-243	-2.5
Scott	18298	17274	1024	5.9	139055	133699	5356	4.0
Shelby	2695	2674	21	0.8	10370	10556	-186	-1.8
Sioux	4698	4408	290	6.6	26493	25495	998	3.9
Story	7772	7160	612	8.5	66838	67092	-254	-0.4
Tama	3395	3376	19	0.6	14283	14043	240	1.7
Taylor	1597	1715	-118	-6.9	5589	5399	190	3.5
Union	2313	2459	-146	-5.9	10300	10291	9	0.1
Van Buren	1548	1557	-9	-0.6	6259	6119	140	2.3
Wapello	6413	6675	-262	-3.9	29353	29021	332	1.1
Warren	4345	3941	404	10.3	35041	32092	2949	9.2
Washington	3685	3634	51	1.4	17021	15978	1043	6.5
Wayne	1717	1852	-135	-7.3	5130	5215	-85	-1.6
Webster	7047	7093	-46	-0.6	31967	33249	-1282	-3.4
Winnebago	2343	2339	4	0.2	9641	9783	-142	-1.5
Winneshiek	3272	3196	76	2.4	17691	17651	40	0.2
Woodbury	14198	14429	-231	-1.6	88382	83847	4535	5.4
Worth	1542	1667	-125	-7.5	6323	6324	-1	-0.0
Wright	3123	3151	-28	-0.9	11204	11118	86	0.8
State of Iowa	432617	425308	7309	1.7	2419175	2351523	67652	2.9

Figure 1. Estimated change in number aged 65 or older, 1990-1996.

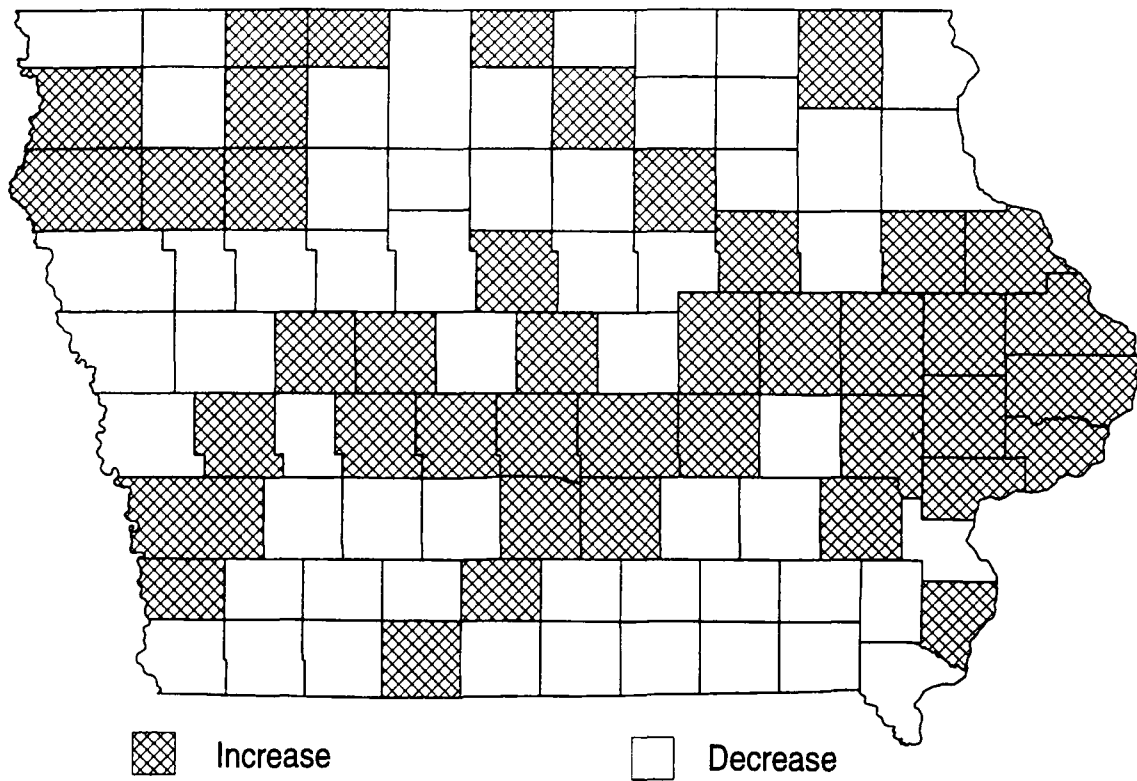
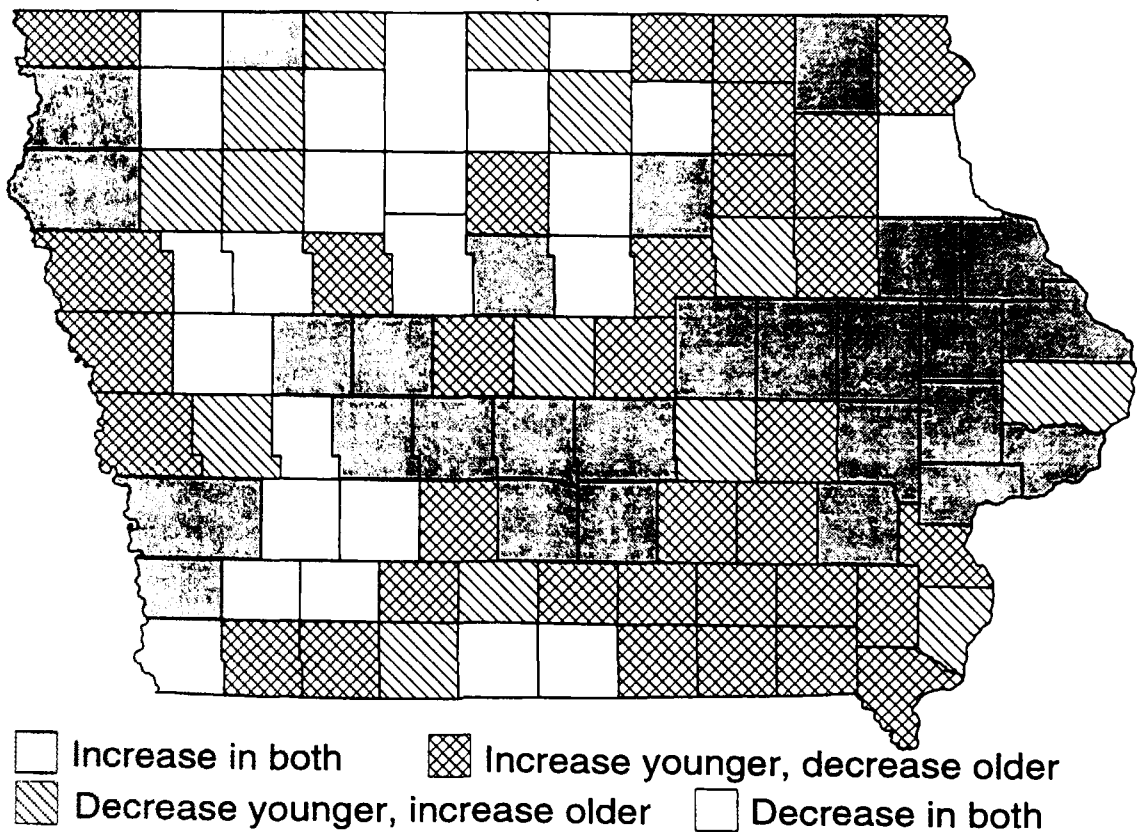


Figure 2. Estimated change in number aged 65 or older and under 65, 1990-1996.





## Projected Population in Iowa's Counties: 2000-2020

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Projections of the population of Iowa and its counties require the use of past trends, current information, and assumptions of what may occur in the future. In 1997, Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009) provided projections to 2020. Economic models drive this set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually. This set of forecasts is obtained by the State of Iowa for use by its agencies.

For Iowa, the projection for the year 2000 indicates a gain of nearly 112,000 from the 1990 census count (Table 1). That trend is anticipated to continue, with a gain of about 88,000 projected from 2000 to 2010 and an increase of 108,000 from 2010 to 2020. The forecasts of 2,888,600 for 2000 and 2,976,400 for 2010 suggest Iowa will surpass the 1980 census count of 2,913,800 sometime after the turn of the century.

Using the 1990 census counts as a base, more counties are projected to gain (54) than decline (45) from 1990 to 2000. Similarly, it is anticipated that 55 counties will have increasing populations in the first decade of the next century while 42 will decrease; the remaining two may remain the same. And 62 counties may gain while 36 may decline from 2010 to 2020, with one county projected to have the same population at both points. When the 1990 populations are compared with 2020 projections, 58 counties are predicted to have higher populations at the end of the period while the remaining 41 may decrease.

Numerical changes are projected to be much greater in some counties than others, of course. For example, Polk may gain more than 35,000 residents from 1990 to 2000 and nearly 89,000 from 1990 to 2020. Others expected to increase by at least 10,000 in the period between 1990 and 2020 include Black Hawk, Johnson, Linn, Scott, Sioux, Story, and Woodbury. Losses in those declining over the 30-year period will be relatively small according to these projections, with only that in Webster greater than 2,000, although declines could range from 1,000 to 1,999 in eight others.

Percentage changes will be relatively small in most counties according to the Woods and Poole projections. For example, 61 counties are expected to change by less than three percentage points in either direction between 1990 and 2000. From 2000 to 2010, 68 may change by less than three points; this could increase slightly to 71 between 2010 and 2020. Gains of at least 10 percent could occur in Benton, Dallas, Johnson, Polk, Sioux, and Warren in the 1990s. In the first and second decades of the next century, Johnson and Sioux again are projected to increase by at least 10 percent every 10 years. No county is expected to decline by at least 10 percent in any of these three decades. For the entire 1990-2020 period, increases of at least 10 percent are projected for 24 counties; in Johnson and Sioux, gains could exceed 30 percent. Projected declines are greater than 10 percent in only four counties.

**Note:** Caution is urged in examining population projections. It is difficult to predict population even a few years, let alone a few decades, into the future.

Table 1. Residents, 1990, and Projected Residents, 2000-2020, in Iowa Counties.

County	Census	Woods and Poole Economics (1997)			County	Census	Woods and Poole Economics (1997)		
	1990	2000*	2010*	2020*		1990	2000*	2010*	2020*
Adair	8409	8300	8300	8370	Jefferson	16310	17500	18790	20250
Adams	4866	4460	4370	4320	Johnson	96119	108140	121790	136550
Allamakee	13855	14110	14110	14170	Jones	19444	20800	21770	22830
Appanoose	13743	13630	13470	13390	Keokuk	11624	11570	11580	11640
Audubon	7334	6850	6760	6720	Kossuth	18591	17840	17160	16600
Benton	22429	24910	26390	27980	Lee	38687	39000	38640	38520
Black Hawk	123798	126810	134080	142400	Linn	168767	185330	198320	212430
Boone	25186	25700	26010	26500	Louisa	11592	11860	11960	12160
Bremer	22813	23680	24610	25660	Lucas	9070	8940	8770	8660
Buchanan	20844	21480	21820	22330	Lyon	11952	11800	11600	11490
Buena Vista	19965	20340	20840	21490	Madison	12483	13610	13830	14130
Butler	15731	15880	16150	16520	Mahaska	21532	22060	22260	22610
Calhoun	11508	11220	10770	10390	Marion	30001	31620	32600	33790
Carroll	21423	21590	21510	21570	Marshall	38276	39060	39830	40870
Cass	15128	14860	14460	14130	Mills	13202	13980	14320	14730
Cedar	17444	17740	17830	18050	Mitchell	10928	11000	10720	10500
Cerro Gordo	46733	46650	46560	46760	Monona	10034	9950	9870	9870
Cherokee	14098	13520	13310	13180	Monroe	8114	8120	7980	7890
Chickasaw	13295	13570	13820	14170	Montgomery	12076	11980	12040	12190
Clarke	8287	8220	8390	8630	Muscatine	39907	41760	42390	43300
Clay	17585	17870	18780	19800	O'Brien	15444	15600	16070	16650
Clayton	19054	18840	18780	18800	Osceola	7267	6890	6520	6240
Clinton	51040	50980	51020	51460	Page	16870	16520	16200	15970
Crawford	16775	16530	16660	16870	Palo Alto	10669	10230	10290	10390
Dallas	29755	33930	35850	38020	Plymouth	23388	24800	25910	27240
Davis	8312	8550	8540	8600	Pocahontas	9525	9160	9230	9340
Decatur	8338	8080	7880	7700	Polk	327140	362390	387670	415990
Delaware	18035	18530	18700	18960	Pottawattamie	82628	83510	82930	82920
Des Moines	42614	42500	42020	41790	Poweshiek	19033	19190	19510	19950
Dickinson	14909	16100	16960	17950	Ringgold	5420	5400	5430	5520
Dubuque	86403	89280	90310	91730	Sac	12324	12140	12210	12380
Emmet	11569	11210	11300	11460	Scott	150973	158550	162060	166760
Fayette	21843	21460	20710	20090	Shelby	13230	12900	12490	12180
Floyd	17058	16420	16000	15660	Sioux	29903	33200	36750	40640
Franklin	11364	11170	11260	11420	Story	74252	77100	81910	87370
Fremont	8226	8000	7780	7630	Tama	17419	17780	17520	17370
Greene	10045	10120	10170	10280	Taylor	7114	7110	7000	6960
Grundy	12029	12220	12020	11880	Union	12750	12390	12290	12270
Guthrie	10935	11390	11340	11360	Van Buren	7676	7720	7600	7520
Hamilton	16071	16070	15800	15600	Wapello	35696	35400	34520	33900
Hancock	12638	12290	12520	12800	Warren	36033	40290	42950	45930
Hardin	19094	18760	18890	19150	Washington	19612	21240	22630	24130
Harrison	14730	15020	14780	14660	Wayne	7067	6760	6550	6380
Henry	19226	20460	21690	23070	Webster	40342	38680	37500	36540
Howard	9809	9780	9550	9360	Winnebago	12122	11870	11770	11720
Humboldt	10756	10140	9840	9580	Winnesiek	20847	21230	21530	21960
Ida	8365	8430	8880	9410	Woodbury	98276	103350	106160	109640
Iowa	14630	15750	16840	18040	Worth	7991	7880	7770	7710
Jackson	19950	20490	21170	21930	Wright	14269	14130	13710	13390
Jasper	34795	35450	35930	36650					
					State of Iowa	2776831	2888600	2976400	3084400

\*County projections were rounded to the nearest 10 and state projections to the nearest 100.

## Projected Population in Selected Age Categories in Iowa's Counties: 2000-2020

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The numbers of Iowans in various age groups are projected to change in coming decades, according to information obtained by the State of Iowa from Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009). Economic models drive this set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually; these were released in 1997 for the 2000-2020 period. For this report, age is divided into three broad categories: 17 or younger, 18-64, and 65 or older.

### Potential Changes in the State

Numbers for the state are expected to increase each decade between 1990 and 2020 among those 65 or older (Table 1). Indeed, the gain is predicted to increase across the decades: 29,000 from 1990 to 2000, 47,000 from 2000 to 2010, and 141,000 from 2010 to 2020. Much of the acceleration in growth in this age category will occur because baby-boomers will begin reaching the age of 65 after 2010. Those 65 or older will become an increasing percentage of all residents as well. In 1990, 15.3 percent of all Iowans were 65 or older; in 2020, that may increase to 20.9 percent.

Those 18 through 64 years of age are projected to increase by 57,000 in the 1990s, 81,000 in the first decade of the next century, but decline by 47,000 from 2010 to 2020. The youngest group—those under the age of 18—may also increase in two of these three decades. From 1990 to 2000, the prediction is that this age group will increase by 25,000; a decline of 41,000 may take place in the next decade, although a gain of 14,000 is anticipated from 2010 to 2020. The projection for 2020 suggests that the number of youth will be about 1,500 lower than the count for this group in 1990. Among those in the 18-64 category, growth is anticipated to be about 91,000 between 1990 and 2020. But a much bigger gain could occur among those 65 or older, where the projected increase is nearly 218,000 over that 30-year period.

These numerical changes would result in percentage differences from 1990 to 2020 as well, with drops among those 17 or younger (25.9 percent to 23.3 percent) and those 18-64 (58.8 percent to 55.9 percent) and a gain among those 65 or older (15.3 percent to 20.9 percent). This will be reflected in a gradual increase in the median age of Iowa residents; the median—that point at which half the residents were older and half were younger—in 1990 was 34.0 (Table 2). It is projected to increase to 37.5 in 2000, 40.2 in 2010, and 41.1 in 2020.

### Potential Changes in Counties

Because change is anticipated to be greatest among the oldest of the three age groups for the state, it is not surprising that those 65 and older are subject to relatively large changes across counties as well. Only seven counties are projected to have declines from 1990 to 2020 in this age category and none is anticipated to decline by as much as 400 (Table 1). Gains in other counties could be substantial; for example, increases of at least 10,000 are predicted for Black Hawk, Linn, Polk, and Scott, while another 51 each may gain 1,000 to 9,999 in those 30 years. Gains could exceed fifty percent in 32 counties; in two of these counties—Johnson and Warren—the 1990 numbers of residents 65 or older could more than double to 2020. Most of the large percentage gains are predicted to occur in urban counties although

Table 1. Counts (1990) and Projections (2000-2020) of Residents in Selected Age Categories in Iowa Counties.

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older
Adair	8409	2111	4317	1981	8300	2070	4360	1880	8300	1930	4500	1870	8370	2090	4180	2090
Adams	4866	1189	2620	1057	4460	1090	2430	940	4370	1030	2410	930	4320	1030	2320	980
Allamakee	13855	3774	7384	2697	14110	3790	7490	2830	14110	3370	7650	3080	14170	3190	7100	3890
Appanoose	13743	3458	7339	2946	13630	3360	7300	2980	13470	2950	7460	3070	13390	2780	6780	3840
Audubon	7334	1873	3765	1696	6850	1650	3600	1600	6760	1440	3780	1540	6720	1560	3600	1560
Benton	22429	6219	12487	3723	24910	6910	13750	4260	26390	6700	14880	4800	27980	6860	14810	6300
Black Hawk	123798	31402	75501	16895	126810	32030	76390	18390	134080	30800	81730	21550	142400	33020	79700	29670
Boone	25186	6169	14486	4531	25700	6280	14670	4740	26010	5750	15050	5210	26500	5640	14290	6570
Bremer	22813	5762	13245	3806	23680	5800	13770	4110	24610	5270	14420	4920	25660	5390	13280	6980
Buchanan	20844	6419	11181	3244	21480	6450	11580	3450	21820	5790	12140	3880	22330	5620	11380	5330
Buena Vista	19965	5175	11215	3575	20340	5340	11260	3730	20840	5130	11960	3750	21490	5330	11930	4230
Butler	15731	4149	8351	3231	15880	4080	8380	3420	16150	3590	8680	3880	16520	3350	8070	5100
Calhoun	11508	2889	5888	2731	11220	2720	5740	2750	10770	2270	5740	2760	10390	2250	5380	2770
Carroll	21423	6359	11255	3809	21590	6420	11180	3990	21510	5730	11420	4360	21570	5420	10830	5320
Cass	15128	3880	8079	3169	14860	3800	7880	3180	14460	3330	7850	3280	14130	3070	7120	3950
Cedar	17444	4696	9815	2933	17740	4690	9920	3140	17830	4180	10200	3460	18050	4060	9540	4450
Cerro Gordo	46733	11570	27277	7886	46650	11530	26860	8260	46560	10600	27200	8760	46760	10420	25900	10450
Cherokee	14098	3827	7660	2611	13520	3650	7300	2570	13310	3230	7240	2840	13180	3040	6720	3420
Chickasaw	13295	3737	7190	2368	13570	3750	7280	2540	13820	3370	7590	2860	14170	3220	7150	3800
Clarke	8287	2168	4580	1539	8220	2070	4590	1560	8390	1890	4780	1720	8630	1890	4670	2070
Clay	17585	4804	9880	2901	17870	4840	9860	3180	18780	4450	10570	3750	19800	4490	10380	4930
Clayton	19054	5322	10281	3451	18840	5180	10200	3460	18780	4680	10390	3710	18800	4540	9740	4520
Clinton	51040	13619	29270	8151	50980	13430	28990	8550	51020	12170	29590	9270	51460	11890	27800	11760
Crawford	16775	4617	9240	2918	16530	4390	9080	3070	16660	3920	9320	3420	16870	3800	8620	4440
Dallas	29755	8286	17119	4350	33930	9340	19490	5100	35850	8900	21040	5910	38020	8980	20790	8250
Davis	8312	2262	4492	1558	8550	2290	4640	1620	8540	2090	4650	1800	8600	2210	4270	2130
Decatur	8338	1941	4687	1710	8080	1750	4670	1650	7880	1620	4710	1550	7700	1730	4250	1720
Delaware	18035	5540	9840	2655	18530	5690	10060	2780	18700	5160	10350	3190	18960	4970	9910	4090
Des Moines	42614	10952	24738	6924	42500	10820	24510	7160	42020	9710	24690	7610	41790	9550	22680	9560
Dickinson	14909	3506	8306	3097	16100	3650	8870	3580	16960	3230	9420	4310	17950	3150	8920	5890
Dubuque	86403	23401	50861	12141	89280	23800	52180	13300	90310	21670	53440	15200	91730	21080	50510	20140
Emmet	11569	3073	6313	2183	11210	2960	6030	2230	11300	2750	6260	2290	11460	2910	6140	2410
Fayette	21843	5780	11880	4183	21460	5570	11670	4220	20710	4810	11440	4460	20090	4410	10240	5440

\*The Woods and Poole Economics county projections were rounded to the nearest 10 in each age category; these rounded numbers were added to get the total, which may differ slightly from those in Table 1 in the previous section. Such differences are created by small rounding errors.

Table 1. Counts (1990) and Projections (2000-2020) of Residents in Selected Age Categories in Iowa Counties (continued).

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older
Floyd	17058	4425	9284	3349	16420	4130	8950	3330	16000	3580	8930	3480	15660	3380	7920	4360
Franklin	11364	2926	6160	2278	11170	2880	6040	2240	11260	2620	6340	2290	11420	2660	5960	2790
Fremont	8226	2146	4305	1775	8000	2050	4240	1710	7780	1790	4370	1630	7630	1840	3880	1910
Greene	10045	2486	5297	2262	10120	2540	5230	2350	10170	2400	5420	2350	10280	2490	5360	2430
Grundy	12029	3077	6542	2410	12220	3060	6690	2470	12020	2720	6780	2510	11880	2630	6110	3150
Guthrie	10935	2723	5916	2296	11390	2830	6170	2390	11340	2600	6300	2450	11360	2650	6020	2690
Hamilton	16071	4081	9021	2969	16070	4030	8900	3140	15800	3520	8900	3380	15600	3300	8220	4080
Hancock	12638	3561	6789	2288	12290	3470	6560	2260	12520	3270	6850	2390	12800	3210	6600	3000
Hardin	19094	4775	10270	4049	18760	4610	10050	4100	18890	4150	10250	4500	19150	4040	9560	5550
Harrison	14730	3959	7903	2868	15020	4000	8050	2970	14780	3520	8070	3200	14660	3220	7490	3950
Henry	19226	4847	11198	3181	20460	5040	12040	3380	21690	4740	13240	3710	23070	4800	13140	5140
Howard	9809	2629	5057	2123	9780	2630	5030	2110	9550	2270	5240	2040	9360	2330	4840	2200
Humboldt	10756	2742	5751	2263	10140	2600	5380	2160	9840	2300	5400	2140	9580	2140	5140	2310
Ida	8365	2334	4335	1696	8430	2360	4330	1740	8880	2230	4870	1790	9410	2310	4980	2130
Iowa	14630	3745	8128	2757	15750	4080	8660	3010	16840	4010	9390	3450	18040	3940	9530	4570
Jackson	19950	5565	11073	3312	20490	5580	11360	3550	21170	5080	11930	4160	21930	4920	11440	5580
Jasper	34795	8912	20337	5546	35450	8840	20660	5940	35930	8020	21290	6620	36650	7950	20260	8450
Jefferson	16310	3987	9922	2401	17500	4300	10740	2470	18790	4280	11730	2780	20250	4330	11730	4190
Johnson	96119	19347	69634	7138	108140	22610	77140	8390	121790	24830	86840	10130	136550	29690	92150	14720
Jones	19444	4990	11353	3101	20800	5230	12190	3370	21770	4910	13050	3800	22830	4970	12730	5130
Keokuk	11624	3021	6193	2410	11570	3120	6060	2400	11580	2890	6180	2500	11640	2820	6030	2790
Kossuth	18591	5215	9850	3526	17840	4900	9360	3570	17160	4140	9020	4000	16600	3700	8010	4890
Lee	38687	9971	22236	6480	39000	9950	22240	6810	38640	8840	22500	7300	38520	8570	20700	9250
Linn	168767	42430	105842	20495	185330	46200	115390	23740	198320	45880	123890	28560	212430	48650	124190	39590
Louisa	11592	3162	6688	1742	11860	3300	6760	1800	11960	3090	6990	1880	12160	3010	6950	2200
Lucas	9070	2234	4958	1878	8940	2210	4910	1820	8770	2090	4970	1710	8660	2190	4720	1750
Lyon	11952	3614	6189	2149	11800	3680	5920	2210	11600	3400	5700	2510	11490	3180	5450	2860
Madison	12483	3444	6789	2250	13610	3770	7470	2370	13830	3590	7930	2310	14130	3580	7730	2830
Mahaska	21532	5634	12095	3803	22060	5750	12340	3960	22260	5320	12890	4050	22610	5330	12310	4960
Marion	30001	7684	17475	4842	31620	7980	18420	5230	32600	7390	19430	5780	33790	7640	18630	7510
Marshall	38276	9598	21996	6682	39060	9530	22280	7250	39830	8650	22980	8200	40870	8390	21530	10950
Mills	13202	3625	7765	1812	13980	3790	8310	1880	14320	3510	8790	2020	14730	3480	8400	2850
Mitchell	10928	2848	5697	2383	11000	2990	5510	2500	10720	2770	5220	2720	10500	2680	4950	2880

Table 1. Counts (1990) and Projections (2000-2020) of Residents in Selected Age Categories in Iowa Counties (continued).

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older	Total	17 or Younger	18-64	65 or Older
Monona	10034	2456	5197	2381	9950	2460	5130	2360	9870	2240	5230	2400	9870	2370	4850	2640
Monroe	8114	2059	4383	1672	8120	2000	4440	1690	7980	1720	4620	1650	7890	1730	4240	1920
Montgomery	12076	2974	6465	2637	11980	2920	6440	2620	12040	2660	6680	2700	12190	2650	6290	3250
Muscatine	39907	11140	23430	5337	41760	11500	24490	5770	42390	10630	25420	6340	43300	10630	24320	8340
O'Brien	15444	4124	8131	3189	15600	4160	8110	3320	16070	3780	8560	3740	16650	3740	8490	4430
Osceola	7267	1979	3882	1406	6890	1620	3870	1400	6520	1290	3810	1430	6240	1250	3430	1560
Page	16870	4214	9122	3534	16520	4020	8950	3560	16200	3440	9050	3710	15970	3200	8270	4490
Palo Alto	10669	2848	5632	2189	10230	2710	5340	2180	10290	2460	5520	2310	10390	2590	5200	2600
Plymouth	23388	6792	12780	3816	24800	7120	13430	4250	25910	6640	14440	4840	27240	6640	14370	6230
Pocahontas	9525	2478	4969	2078	9160	2460	4670	2040	9230	2380	4870	1970	9340	2500	4870	1970
Polk	327140	81971	207486	37683	362390	91630	227670	43090	387670	93350	245340	48980	415990	99140	250130	66720
Pottawattamie	82628	22527	49045	11056	83510	22720	48940	11850	82930	20700	49000	13230	82920	20080	46400	16440
Poweshiek	19033	4663	11182	3188	19190	4660	11270	3260	19510	4360	11630	3520	19950	4480	10920	4550
Ringgold	5420	1298	2809	1313	5400	1270	2870	1260	5430	1110	3070	1250	5520	1240	2990	1290
Sac	12324	3278	6341	2705	12140	3270	6080	2780	12210	3000	6160	3040	12380	2940	5910	3530
Scott	150973	42181	91464	17328	158550	44120	95150	19290	162060	41470	98070	22510	166760	41990	94040	30730
Shelby	13230	3586	6951	2693	12900	3480	6740	2680	12490	3100	6580	2810	12180	2920	6040	3210
Sioux	29903	8941	16553	4409	33200	9910	18170	5120	36750	9770	20880	6100	40640	10720	21650	8270
Story	74252	14680	52407	7165	77100	16120	53040	7940	81910	16630	56430	8850	87370	18610	56620	12140
Tama	17419	4548	9487	3384	17780	4570	9600	3610	17520	4180	9510	3840	17370	4090	8760	4520
Taylor	7114	1822	3576	1716	7110	1730	3730	1650	7000	1560	3920	1520	6960	1650	3750	1570
Union	12750	3292	6994	2464	12390	3140	6880	2380	12290	2800	6960	2530	12270	2700	6440	3120
Van Buren	7676	2015	4093	1568	7720	1990	4170	1560	7600	1750	4190	1660	7520	1760	3870	1890
Wapello	35696	8577	20444	6675	35400	8370	20260	6770	34520	7410	20100	7020	33900	7060	18390	8460
Warren	36033	10186	21902	3945	40290	11010	24600	4690	42950	10560	26340	6050	45930	10950	25900	9080
Washington	19612	5254	10717	3641	21240	5660	11550	4030	22630	5500	12490	4650	24130	5620	12470	6040
Wayne	7067	1657	3554	1856	6760	1530	3480	1750	6550	1410	3600	1540	6380	1490	3410	1490
Webster	40342	10483	22746	7113	38680	10140	21390	7140	37500	9110	20970	7430	36540	8760	19220	8560
Winnebago	12122	3090	6714	2318	11870	3140	6420	2300	11770	3010	6400	2360	11720	3030	6080	2610
Winneshiek	20847	5131	12503	3213	21230	5280	12570	3380	21530	4950	12930	3650	21960	5160	12340	4460
Woodbury	98276	27579	56254	14443	103350	29200	58470	15680	106160	27810	61660	16690	109640	28330	60880	20430
Worth	7991	1982	4341	1668	7880	1850	4390	1640	7770	1640	4530	1600	7710	1670	4280	1770
Wright	14269	3485	7625	3159	14130	3430	7490	3210	13710	3030	7390	3290	13390	2830	6730	3830
State of Iowa	2776831	718956	1631769	426106	2888600	744420	1689120	455060	2976380	703350	1770540	502490	3084360	717450	1723110	643800

Table 2. Median Age (1990) and Projected Median Age (2000-2020) in Iowa Counties.

County	Census	Woods and Poole Economics (1997)			County	Census	Woods and Poole Economics (1997)		
	1990	2000	2010	2020		1990	2000	2010	2020
Adair	39.3	42.0	44.2	41.5	Jefferson	37.0	40.0	43.7	45.4
Adams	40.1	41.4	41.3	38.7	Johnson	27.1	28.7	29.6	30.5
Allamakee	36.5	40.3	45.8	50.0	Jones	34.6	38.3	42.5	45.8
Appanoose	37.8	41.7	46.8	51.0	Keokuk	37.2	39.7	42.5	42.7
Audubon	40.3	42.2	43.2	40.4	Kossuth	36.6	40.8	47.1	52.5
Benton	34.7	38.1	41.4	43.2	Lee	35.8	39.6	43.9	46.1
Black Hawk	32.9	36.8	39.1	40.3	Linn	33.1	36.6	39.1	40.3
Boone	36.6	40.1	44.6	47.2	Louisa	34.3	36.8	38.5	39.2
Bremer	35.2	39.7	44.3	47.5	Lucas	38.9	40.5	40.5	39.0
Buchanan	33.4	37.5	42.2	45.0	Lyon	34.8	37.7	40.9	42.7
Buena Vista	33.8	37.0	38.4	38.9	Madison	36.1	38.8	40.9	41.6
Butler	37.9	41.7	47.8	52.9	Mahaska	34.8	38.3	41.0	42.0
Calhoun	39.8	42.0	45.2	42.7	Marion	34.2	37.7	40.5	42.1
Carroll	34.2	37.9	42.6	45.5	Marshall	36.7	40.6	45.5	48.8
Cass	38.3	41.7	46.7	50.6	Mills	35.1	38.3	41.7	42.9
Cedar	36.1	39.7	44.0	46.4	Mitchell	38.2	40.5	42.9	42.0
Cerro Gordo	35.3	39.1	42.2	43.4	Monona	40.5	43.0	45.8	43.3
Cherokee	37.2	40.6	45.9	49.4	Monroe	37.8	41.0	43.3	42.5
Chickasaw	35.7	39.5	45.3	49.8	Montgomery	38.6	41.7	45.9	48.3
Clarke	36.6	39.5	41.9	41.4	Muscatine	33.0	36.6	39.5	40.2
Clay	35.1	39.0	43.9	46.3	O'Brien	36.9	40.2	45.4	48.3
Clayton	35.9	39.3	44.0	46.6	Osceola	35.8	40.1	44.5	45.0
Clinton	35.1	39.0	42.7	44.1	Page	38.2	41.8	47.1	50.8
Crawford	35.3	39.7	44.9	48.1	Palo Alto	37.3	40.6	43.8	42.8
Dallas	34.6	38.1	41.5	43.1	Plymouth	34.1	37.9	41.9	44.1
Davis	36.1	38.9	40.5	39.8	Pocahontas	39.1	40.6	39.7	36.4
Decatur	35.5	39.4	41.4	43.8	Polk	32.3	35.4	37.3	37.7
Delaware	32.7	36.2	40.4	42.7	Pottawattamie	33.5	37.2	40.5	41.7
Des Moines	35.9	39.5	42.9	44.1	Poweshiek	34.4	38.1	41.3	43.6
Dickinson	39.7	43.8	50.3	56.3	Ringgold	42.1	43.3	43.0	39.7
Dubuque	33.1	37.2	40.9	43.7	Sac	38.2	41.4	46.1	49.4
Emmet	36.2	39.0	39.9	39.5	Scott	32.4	35.9	38.2	38.9
Fayette	36.3	40.3	45.6	49.7	Shelby	37.2	40.5	45.0	47.7
Floyd	37.9	41.8	46.9	50.0	Sioux	31.0	34.5	36.3	37.9
Franklin	38.0	41.1	45.2	45.5	Story	25.7	27.8	28.0	29.8
Fremont	38.7	41.9	43.2	40.5	Tama	37.2	40.9	44.9	45.9
Greene	39.4	41.5	42.3	40.0	Taylor	40.0	41.9	42.1	40.0
Grundy	38.8	42.2	46.8	49.4	Union	36.4	40.0	43.9	46.3
Guthrie	39.9	41.9	44.1	42.2	Van Buren	37.8	41.1	43.7	42.1
Hamilton	37.2	40.8	45.7	49.4	Wapello	37.0	40.6	44.9	47.0
Hancock	35.4	39.1	43.4	45.3	Warren	32.8	36.4	39.3	41.0
Hardin	37.8	41.2	46.7	50.6	Washington	35.6	39.1	43.0	45.3
Harrison	36.5	40.1	45.3	49.6	Wayne	42.3	43.0	43.0	39.8
Henry	34.6	38.3	41.8	44.6	Webster	35.5	39.3	42.9	44.0
Howard	37.6	40.1	42.5	40.6	Winnebago	35.9	38.6	40.4	39.8
Humboldt	38.6	40.9	44.0	43.4	Winneshiek	31.8	35.3	37.4	39.6
Ida	36.8	39.8	42.7	40.3	Woodbury	32.9	36.1	38.2	38.6
Iowa	36.5	40.0	44.7	48.9	Worth	38.2	41.3	43.6	42.5
Jackson	35.0	39.1	44.3	48.3	Wright	38.9	42.2	47.4	50.7
Jasper	36.1	39.9	44.0	46.1					
					State of Iowa	34.0	37.5	40.2	41.1

rural counties will continue to have somewhat greater percentages of older residents throughout the period.

Among residents 18 through 64 years of age, 37 counties can anticipate increases between 1990 and 2020. They may range from less than 1,000 in 19 counties to more than 10,000 in Johnson, Linn, and Polk. Declines in 52 counties may be less than 1,000 and none are anticipated to be as great as 4,000.

Youth constituted the only age category projected to decline for the state as a whole from 1990 to 2020. That trend is reflected across the counties as well, with 81 anticipated to have fewer residents 17 or younger at the end of the period than at the beginning. None of these declines will be greater than 2,500, however; only 13 are projected to be as great as 1,000. Gains in the 18 counties that may have more youth in 2020 than in 1990 also are expected to be relatively small in most counties. In only Black Hawk, Johnson, Linn, Polk, Sioux, and Story do projections suggest increases of at least 1,000. The gains among youth in Johnson and Polk could be greater than 10,000. In 43 of Iowa's 99 counties, these changes may be less than 10 percentage points in either direction when 1990 and 2020 are compared.

Changes also are projected for median age between 1990 and 2020. All but five counties may see increases in median age in the 30-year period (Table 2). Although that may not happen in Adams, Pocahontas, Ringgold, Taylor, or Wayne, these counties already had relatively high medians in 1990 and the drops are predicted to be relatively small. Among the remaining 94 counties, median ages may increase in 30 of them by less than the 7.1 years predicted for the state. But another 38 could have increases of at least 10 years in median age; among these, Butler, Dickinson, and Kossuth could see medians at least 15 years older in 2020 than those reported in 1990.

Median age is predicted to increase between each decade from 1990 to 2020 for the state. That trend may occur in 74 of the counties. In others, variations from this pattern tend to be minor. By 2020, 10 counties may have medians of at least 50.0 years; medians in another 17 are projected to be less than 40.0. The remaining 72 of Iowa's 99 counties may have medians ranging from 40.0 to 49.9 years of age in 2020.

**Note:** Caution is urged in examining population projections. It is difficult to predict population even a few years, let alone a few decades, into the future. This is even more critical when subcategories of the population are at issue.



## Estimated Net Migration in Iowa's Counties: 1990-1996

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As part of the process of estimating the population of counties between decennial censuses, the U.S. Bureau of the Census examines migration. When it releases its figures, the bureau includes an estimate of net migration as one of the components of population change. The estimates reported in this section cover the period from 1 April 1990 to 1 July 1996.

According to the census bureau, the State of Iowa had more people entering than leaving from 1 April 1990 to 1 July 1996. The difference between the totals moving in and out was relatively small, however, with a net immigration of 11,014 (Table 1). This near balance of in- and outmigrants contrasts greatly with the last several decades in this state, when far more left than arrived.

Forty-nine counties had more residents entering than leaving from 1 April 1990 to 1 July 1996. Benton, Dallas, Linn, Madison, Polk, and Warren had net immigration exceeding 1,000. Polk's figure of nearly 9,000 was far greater than the others; Dallas was the only other county with at least 3,000 more arriving than leaving. Black Hawk, Clinton, Story, and Webster were reported to have at least 1,000 more moving out than in during the 1990s. Twenty-one counties had total net migration of less than 100 in either direction.

The U.S. Bureau of the Census divides net migration into domestic and international components. Those migrating within the United States, which is called domestic migration, include those moving from one state to another. In Iowa, net domestic migration was estimated to be -1,667, which means that slightly more left Iowa from 1 April 1990 to 1 July 1996 than arrived from other states (Table 1). Counties with net domestic outmigration exceeding 1,000 included Black Hawk, Clinton, Scott, Story, Webster, and Woodbury. Those with at least 1,000 more entering than leaving included Benton, Dallas, Linn, Madison, Polk, and Warren. Twenty-one counties had net domestic migration totals of less than 100 in either direction. Another 20 had domestic net in- or outmigration totals of 100 to 199. Thus, two-fifths (41) of Iowa's 99 counties had net changes attributed to domestic migration of less than 200 in the period measured by the census bureau.

When individuals moving to and from other countries were examined, the state was estimated to have 12,681 more entering than leaving (Table 1). Net international migration consists of legal immigration to the United States as reported by the Immigration and Naturalization Service, an estimate of net undocumented immigration from abroad, an estimate of emigration from the United States, and net movement between Puerto Rico and the United States.

Net international migration resulted in more in- than outmigrants in all but four Iowa counties (Cherokee, Clarke, Jackson, Lyon). Generally, net international migration was small in number, however. In 22 counties, for example, the change was less than 10 from 1 April 1990 to 1 July 1996. In another 32, net immigration from other countries was 10-19. Thus, the majority of Iowa's counties changed by less than 20 through net international migration. A third (4,206 or 33.2%) of Iowa's total net migration from other countries occurred in Polk County. The numbers in Scott and Woodbury also exceeded 1,000. Polk, Scott, and Woodbury accounted for more than half (54.4%) of the net international migration estimated by the U.S. Bureau of the Census.

Without net immigration from other countries, Iowa would not have total net immigration from 1 April 1990 to 1 July 1996. The net figure for domestic movement was negative, indicating that more left Iowa for other states than entered during this period.

Table 1. Estimated net migration in Iowa counties, 1990-1996.

County	Total Estimated Net Migration	Estimated Net Domestic Migration	Estimated Net International Migration	County	Total Estimated Net Migration	Estimated Net Domestic Migration	Estimated Net International Migration
Adair	-5	-23	18	Jefferson	461	246	215
Adams	-320	-325	5	Johnson	-50	-780	730
Allamakee	155	131	24	Jones	768	753	15
Appanoose	97	70	27	Keokuk	-51	-61	10
Audubon	-249	-257	8	Kossuth	-588	-616	28
Benton	1455	1447	8	Lee	71	32	39
Black Hawk	-4100	-4473	373	Linn	2796	2199	597
Boone	661	644	17	Louisa	200	50	150
Bremer	409	385	24	Lucas	-36	-46	10
Buchanan	-257	-271	14	Lyon	-232	-229	-3
Buena Vista	-360	-555	195	Madison	1109	1094	15
Butler	213	198	15	Mahaska	-78	-117	39
Calhoun	346	332	14	Marion	877	841	36
Carroll	-183	-193	10	Marshall	517	399	118
Cass	-124	-150	26	Mills	647	637	10
Cedar	142	113	29	Mitchell	222	211	11
Cerro Gordo	-870	-949	79	Monona	148	138	10
Cherokee	-571	-567	-4	Monroe	20	9	11
Chickasaw	15	-6	21	Montgomery	-49	-64	15
Clarke	36	36	0	Muscatine	-325	-904	579
Clay	-294	-320	26	O'Brien	-331	-336	5
Clayton	-206	-217	11	Osceola	-197	-200	3
Clinton	-1350	-1424	74	Page	195	169	26
Crawford	-442	-454	12	Palo Alto	-307	-311	4
Dallas	3312	3169	143	Plymouth	582	549	33
Davis	-11	-17	6	Pocahontas	-310	-319	9
Decatur	39	21	18	Polk	8980	4774	4206
Delaware	-204	-222	18	Pottawattamie	-449	-637	188
Des Moines	-787	-843	56	Poweshiek	-155	-165	10
Dickinson	981	952	29	Ringgold	188	182	6
Dubuque	-399	-488	89	Sac	-137	-147	10
Emmet	-386	-431	45	Scott	-617	-1824	1207
Fayette	81	50	31	Shelby	-143	-151	8
Floyd	-497	-505	8	Sioux	129	87	42
Franklin	-268	-279	11	Story	-2305	-2903	598
Fremont	-130	-136	6	Tama	215	180	35
Greene	125	108	17	Taylor	240	207	33
Grundy	295	287	8	Union	36	31	5
Guthrie	606	600	6	Van Buren	158	144	14
Hamilton	-172	-201	29	Wapello	98	32	66
Hancock	-527	-557	30	Warren	2037	1984	53
Hardin	-126	-139	13	Washington	820	724	96
Harrison	670	664	6	Wayne	2	0	2
Henry	391	314	77	Webster	-1760	-1776	16
Howard	85	68	17	Winnebago	-27	-42	15
Humboldt	-174	-191	17	Winneshiek	-252	-343	91
Ida	-135	-146	11	Woodbury	112	-1378	1490
Iowa	468	455	13	Worth	-74	-81	7
Jackson	-66	-64	-2	Wright	218	195	23
Jasper	272	255	17				
				State of Iowa	11014	-1667	12681

## Historical Trends of the Population in Iowa's Counties:

### 1850-1990

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The population in Iowa's counties has been counted every 10 years by the U.S. Bureau of the Census. Iowa's first census occurred in 1850 following statehood in 1846.

#### 1850 to 1900

In 1850, much of Iowa was only sparsely settled; 50 of today's counties had no population reported for that year (Table 1). Those 50 counties were in the west and north parts of the state such that a line drawn between the southwest and northeast corners of the state would serve to separate the area where residents were counted from that where they were not. Iowa's 192,214 people were highly concentrated in the southeast. Indeed, more than 54,000 lived in just four counties (Des Moines, Jefferson, Lee, Van Buren) and another 10,841 lived in Dubuque. At the same time, many counties had fewer than a thousand people.

By 1860, settlement had spread across almost the entire state and the population had increased by more than 480,000 (Table 2) from the previous census, a gain of 251 percent (Table 3). Only Lyon and Osceola, two counties in the northwest corner of the state, had no reported population. During the decade of the 1850s, counties in eastern Iowa experienced relatively great growth. Dubuque gained more than 20,000 people; Scott gained nearly that many (Table 2). Because populations in 1850 were small, 12 counties experienced growth rates of more than a thousand percent in the next 10 years. By 1860, 29 counties had populations of more than 10,000, with all counties increasing from 1850 to 1860 with the exception of Pottawattamie.

Growth continued through the decade of the 1860s. The state gained more than 500,000 (+76.9%) in the 10-year span and the total population in 1870 topped the one million mark. All counties gained during the decade, with the exception of Osceola, which still did not have any inhabitants listed in the census. By 1870, only five other counties remained under 1,000 in population, with most of these in the northwest. Fifty-two counties were over the 10,000 population mark, with five of these over 30,000. The highest populations were in Dubuque and Scott, each of which had more than 38,000. During the 1860s, counties with the highest growth rates were in the western areas of the state rather than in eastern Iowa as earlier. This reflected the gradual westward direction of settlement across the state.

People were first counted in Osceola County in the 1880 census, completing settlement across the state. All counties had at least 1,500 residents and three (Dubuque, Polk, Scott) had moved past 41,000. This was the first time Polk was among the three most populous counties. The state reached 1,624,615 by 1880. During the 1870s, the counties with increases of at least 10,000 were Cass, Pottawattamie, Polk, and Shelby. The five counties with at least 500 percent growth all were in western Iowa. An additional indication of the shift in population was seen in the losses experienced by five southeastern counties.

Twenty-seven counties lost population from 1880 to 1890 with most in the eastern or southern areas of Iowa. The state population as a whole, however, continued to grow (+17.7%), reaching 1,912,297 by 1890. All counties had at least 4,200 residents, and seven were above 40,000. The largest numbers were in Polk (65,410) and Woodbury (55,632). Woodbury had gained more than 40,000 during the decade and, for the first time, Polk became the most populous county. Of the 16 counties that more than doubled population during the decade, 14 were in the western section of the state.

At the turn of the century, Iowa reached a milestone of more than two million people. Only three counties (Dickinson, Emmet, Osceola) remained under 10,000 in 1900. Polk, with 82,624, had more residents than any other county, although five others were over 50,000. Woodbury was the only one to lose population between 1890 and 1900.

Overall, the last half of the 1800s saw Iowa go from a sparsely- to a fully-settled state with a gain of more than two million people (Table 4). It was a time of generalized population growth shared by all the counties across the state. Two-thirds (67) of the counties gained population during each of the five decades and only four (Cedar, Henry, Jefferson, Van Buren) lost during more than one decade.

### 1900 to 1950

The turn of the century marked a significant change for Iowa's population (Figures 1, 2). The generalized growth of the previous 50 years came to a halt. In the decade from 1900 to 1910, Iowa experienced a population loss of 7,082. Although small in number and proportion (-0.3%), it was the first decade loss for the state. The decline was widespread among Iowa's counties; 71 had fewer residents in 1910 than in 1900. Mahaska decreased by more than 4,000 people; Keokuk, Lee, and Union dropped by more than 3,000. In percentage terms, Adams lost more than 19 percent of its population, while Fremont, Keokuk, Lucas, Ringgold, and Union declined by more than 15 percent. Such widespread losses were unprecedented in the state's history. In contrast, 28 counties gained during the period. The greatest percentage growth generally occurred in counties with large cities (Black Hawk, +38.5%; Polk, +33.7%; Woodbury, +23.8%), although Monroe was highest (+41.4%). Polk increased by more than 27,000 during that decade and both Black Hawk and Woodbury each added at least 12,000 residents. Polk became the first Iowa county with more than 100,000 residents. The total population for the state in 1910 stood at 2,224,771.

The state rebounded from its 1900-1910 losses during the next decade (1910-1920) by gaining more than 179,000 people (+8.1%). Although 27 counties lost population during the 1910-1920 period, this was a much smaller number than the previous decade; also, the percentage declines tended to be lower. Mahaska dropped more than any other county in both numbers and proportion (-3,590, -12.0%); it was the only county with a decline greater than 10 percent. The counties showing losses tended to be in the east, south, and west central areas of the state. Counties with large cities continued the growth trend started earlier. Polk gained more than 43,000 to put its population above 154,000; it remained the only county with a population exceeding 100,000. For the first time, all counties had at least 10,000 residents; seven had 50,000 or more inhabitants.

In 1930, Iowa's population reached 2,470,939, an increase of 2.8 percent since 1920. Even though the state was growing, nearly half (48) of the counties declined. Monroe dropped by 8,457 people, a 36.0 percent loss. It experienced the highest losses in both numbers and percent, although five other southern-border counties (Appanoose, Davis, Decatur, Van Buren, Wayne) also declined more than 10 percent. Of the 51 counties that grew during the decade, the greatest percentage gains were in Black Hawk (+22.2%), Story (+18.9%), and Jasper (+18.2%). Woodbury joined Polk in having a total population of more than 100,000.

In the 1930s, the trends from the 1920s continued; that is, the state's population increased, but many counties (43) decreased. The greatest declines were in two western counties, Pottawattamie (-3,132) and Harrison (-2,130). Harrison also had the greatest percentage loss (-8.6%) for the decade. Polk (+22,998) and Black Hawk (+10,800) continued their gains as did most counties with large cities other than Pottawattamie. Black Hawk's percentage gain of 15.6 percent was the highest of any county.

The 1940s witnessed World War II and ushered in the post-war era. Once again, the state grew, this time by more than 82,000 residents. However, two-thirds (67) of the counties lost population, most at higher rates than in the 1930s. Thirteen counties had declines greater than 10 percent; four of these (Appanoose, Fremont, Lucas, Monroe) exceeded 15 percent. Counties with the highest percentage losses were located in the southern and west central parts of the state. Four counties (Adams, Clarke, Davis, Ringgold) dropped below 10,000 in population, the first time any of these had been that low since 1870. Indeed, all counties in Iowa had been above 10,000 since 1920. In sharp contrast to these losses

Table 1. Population in Iowa Counties, 1850-1990.

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Adair	8409	9509	9487	10893	12292	13196	13891	14259	14420	16192	14534	11667	3982	984	*
Adams	4866	5731	6322	7468	8753	10156	10437	10521	10998	13601	12292	11888	4614	1533	*
Allamakee	13855	15108	14968	15982	16351	17184	16328	17285	17328	18711	17907	19791	17868	12237	777
Appanoose	13743	15511	15007	16015	19683	24245	24835	30535	28701	25927	18961	16636	16456	11931	3131
Audubon	7334	8559	9595	10919	11579	11790	12264	12520	12671	13626	12412	7448	1212	454	*
Benton	22429	23649	22885	23422	22656	22879	22851	24080	23156	25177	24178	24888	22454	8496	672
Black Hawk	123798	137961	132916	122482	100448	79946	69146	56570	44865	32399	24219	23913	21706	8244	135
Boone	25186	26184	26470	28037	28139	29782	29271	29892	27626	28200	23772	20838	14584	4232	735
Bremer	22813	24820	22737	21108	18884	17932	17046	16728	15843	16305	14630	14081	12528	4915	*
Buchanan	20844	22900	21762	22293	21927	20991	19550	19890	19748	21427	18997	18546	17034	7906	517
Buena Vista	19965	20774	20693	21189	21113	19838	18667	18556	15981	16975	13548	7537	1585	57	*
Butler	15731	17668	16953	17467	17394	17986	17617	17845	17119	17955	15463	14293	9951	3724	*
Calhoun	11508	13542	14292	15923	16925	17584	17605	17783	17090	18569	13107	5595	1602	147	*
Carroll	21423	22951	22912	23431	23065	22770	22326	21549	20117	20319	18828	12351	2451	281	*
Cass	15128	16932	17007	17919	18532	18647	19422	19421	19047	21274	19645	16943	5464	1612	*
Cedar	17444	18635	17655	17791	16910	16884	16760	17560	17765	19371	18253	18936	19731	12949	3941
Cerro Gordo	46733	48458	49223	49894	46053	43845	38476	34675	25011	20672	14864	11461	4722	940	*
Cherokee	14098	16238	17269	18598	19052	19258	18737	17760	16741	16570	15659	8240	1967	58	*
Chickasaw	13295	15437	14969	15034	15228	15227	14637	15431	15375	17037	15019	14534	10180	4336	*
Clarke	8287	8612	7581	8222	9369	10233	10384	10506	10736	12440	11332	11513	8735	5427	79
Clay	17585	19576	18464	18504	18103	17762	16107	15660	12766	13401	9309	4248	1523	52	*
Clayton	19054	21098	20606	21962	22522	24334	24559	25032	25576	27750	26733	28829	27771	20728	3873
Clinton	51040	57122	56749	55060	49664	44722	44377	43371	45394	43832	41199	36763	35357	18938	2822
Crawford	16775	18935	19116	18569	19741	20538	21028	20614	20041	21685	18894	12413	2530	383	*
Dallas	29755	29513	26085	24123	23661	24649	25493	25120	23628	23058	20479	18746	12019	5244	854
Davis	8312	9104	8207	9199	9959	11136	11150	12574	13315	15620	15258	16468	15565	13764	7264
Decatur	8338	9794	9737	10539	12601	14012	14903	16566	16347	18115	15643	15336	12018	8677	965
Delaware	18035	18933	18770	18483	17734	18487	18122	18183	17888	19185	17349	17950	17432	11024	1759
Des Moines	42614	46203	46982	44605	42056	36804	38162	35520	36145	35989	35324	33099	27256	19611	12988
Dickinson	14909	15629	12565	12574	12756	12185	10982	10241	8137	7995	4328	1901	1389	180	*
Dubuque	86403	93745	90609	80048	71337	63768	61214	58262	57450	56403	49848	42996	38969	31164	10841
Emmet	11569	13336	14009	14871	14102	13406	12856	12627	9816	9936	4274	1550	1392	105	*
Fayette	21843	25488	26898	28581	28294	29151	29145	29251	27919	29845	23141	22258	16973	12073	825

\*County not officially organized as of this census.

Table 1. Population in Iowa Counties, 1850-1990 (continued).

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Floyd	17058	19597	19860	21102	21505	20169	19524	18860	17119	17754	15424	14677	10768	3744	*
Franklin	11364	13036	13255	15472	16268	16379	16382	15807	14780	14996	12871	10249	4738	1309	*
Fremont	8226	9401	9282	10282	12323	14645	15533	15447	15623	18546	16842	17652	11174	5074	1244
Greene	10045	12119	12716	14379	15544	16599	16528	16467	16023	17820	15797	12727	4627	1374	*
Grundy	12029	14366	14119	14132	13722	13518	14133	14420	13574	13757	13215	12639	6399	793	*
Guthrie	10935	11983	12243	13607	15197	17210	17324	17596	17374	18729	17380	14394	7061	3058	*
Hamilton	16071	17862	18383	20032	19660	19922	20978	19531	19242	19514	15319	11252	6055	1699	*
Hancock	12638	13833	13506	14604	15077	15402	14802	14723	12731	13752	7621	3453	999	179	*
Hardin	19094	21776	22248	22533	22218	22530	22947	23337	20921	22794	19003	17807	13684	5440	*
Harrison	14730	16348	16240	17600	19560	22767	24897	24488	23162	25597	21356	16649	8931	3621	*
Henry	19226	18890	18114	18187	18708	17994	17660	18298	18640	20022	18895	20986	21463	18701	8707
Howard	9809	11114	11442	12734	13105	13531	13082	13705	12920	14512	11182	10837	6282	3168	*
Humboldt	10756	12246	12519	13156	13117	13459	13202	12951	12182	12667	9836	5341	2596	332	*
Ida	8365	8908	9283	10269	10697	11047	11933	11689	11296	12327	10705	4382	226	43	*
Iowa	14630	15429	15419	16396	15835	17016	17332	18600	18409	19544	18270	19221	16644	8029	822
Jackson	19950	22503	20839	20754	18622	19181	18481	19931	21258	23615	22771	23771	22619	18493	7210
Jasper	34795	36425	35425	35282	32305	31496	32936	27855	27034	26976	24943	25963	22116	9883	1280
Jefferson	16310	16316	15774	15818	15696	15762	16241	16440	15951	17437	15184	17469	17839	15038	9904
Johnson	96119	81717	72127	53663	45756	33191	30276	26462	25914	24817	23082	25429	24898	17573	4472
Jones	19444	20401	19868	20693	19401	19950	19206	18607	19050	21954	20233	21052	19731	13306	3007
Keokuk	11624	12921	13943	15492	16797	18406	19148	20983	21160	24979	23862	21258	19434	13271	4822
Kossuth	18591	21891	22937	25314	26241	26630	25452	25082	21971	22720	13120	6178	3351	416	*
Lee	38687	43106	42996	44207	43102	41074	41268	39676	36702	39719	37715	34859	37210	29232	18861
Linn	168767	169775	163213	136899	104274	89142	82336	74004	60720	55392	45303	37237	31080	18947	5444
Louisa	11592	12055	10682	10290	11101	11384	11575	12179	12855	13516	11873	13142	12877	10370	4939
Lucas	9070	10313	10163	10923	12069	14571	15114	15686	13462	16126	14563	14530	10388	5766	471
Lyon	11952	12896	13340	14468	14697	15374	15293	15431	14624	13165	8680	1968	221	*	*
Madison	12483	12597	11558	12295	13131	14525	14331	15020	15621	17710	15977	17224	13884	7339	1179
Mahaska	21532	22867	22177	23602	24672	26485	25804	26270	29860	34273	28805	25202	22508	14816	5989
Marion	30001	29669	26352	25886	25930	27019	25727	24957	22995	24159	23058	25111	24436	16813	5482
Marshall	38276	41652	41076	37984	35611	35406	33727	32630	30279	29991	25842	23752	17576	6015	338
Mills	13202	13406	11832	13050	14064	15064	15866	15422	15811	16764	14548	14137	8718	4481	*
Mitchell	10928	12329	13108	14043	13945	14121	14065	13921	13435	14916	13299	14363	9582	3409	*

Table 1. Population in Iowa Counties, 1850-1990 (continued).

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Monona	10034	11692	12069	13916	16303	18238	18213	17125	16633	17980	14515	9055	3654	832	*
Monroe	8114	9209	9357	10463	11814	14553	15010	23467	25429	17985	13666	13719	12724	8612	2884
Montgomery	12076	13413	12781	14467	15685	15697	16752	17048	16604	17803	15848	15895	5934	1256	*
Muscatine	39907	40436	37181	33840	32148	31296	29385	29042	29505	28242	24504	23170	21688	16444	5731
O'Brien	15444	16972	17522	18840	18970	19293	18409	19051	17262	16985	13060	4155	715	8	*
Osceola	7267	8371	8555	10064	10181	10607	10182	10223	8956	8725	5574	2219	*	*	*
Page	16870	19063	18537	21023	23921	24887	25904	24137	24002	24187	21341	19667	9975	4419	551
Palo Alto	10669	12721	13289	14736	15891	16170	15398	15486	13845	14354	9318	4131	1336	132	*
Plymouth	23388	24743	24322	23906	23252	23502	24159	23584	23129	22209	19568	8566	2199	148	*
Pocahontas	9525	11369	12793	14234	15496	16266	15687	15602	14808	15339	9553	3713	1446	103	*
Polk	327140	303170	286130	266315	226010	195835	172837	154029	110438	82624	65410	42395	27857	11625	4513
Pottawattamie	82628	86561	86991	83102	69682	66756	69888	61550	55832	54336	47430	39850	16893	4968	7828
Poweshiek	19033	19306	18803	19300	19344	18758	18727	19910	19589	19414	18394	18936	15581	5668	615
Ringgold	5420	6112	6373	7910	9528	11137	11966	12919	12904	15325	13556	12085	5691	2923	*
Sac	12324	14118	15573	17007	17518	17639	17641	17500	16555	17639	14522	8774	1411	246	*
Scott	150973	160022	142687	119067	100698	84748	77332	73952	60000	51558	43164	41266	38599	25959	5986
Shelby	13230	15043	15528	15825	15942	16720	17131	16065	16552	17932	17611	12696	2540	818	*
Sioux	29903	30813	27996	26375	26381	27209	26806	26458	25248	23337	18370	5426	576	10	*
Story	74252	72326	62783	49327	44294	33434	31141	26185	24083	23159	18127	16906	11651	4051	*
Tama	17419	19533	20147	21413	21688	22428	21987	21861	22156	24585	22052	21585	16131	5285	8
Taylor	7114	8353	8790	10288	12420	14258	14859	15514	16312	18784	16384	15635	6989	3590	204
Union	12750	13858	13557	13712	15651	16280	17435	17268	16616	19928	16900	14980	5986	2012	*
Van Buren	7676	8626	8643	9778	11007	12053	12603	14060	15020	17354	16253	17043	17672	17081	12270
Wapello	35696	40241	42149	46126	47397	44280	40480	37937	37743	35426	30426	25285	22346	14518	8471
Warren	36033	34878	27432	20829	17758	17695	17700	18047	18194	20376	18269	19578	17980	10281	961
Washington	19612	20141	18967	19406	19557	20055	19822	20421	19925	20718	18468	20374	18952	14235	4957
Wayne	7067	8199	8405	9800	11737	13308	13787	15378	16184	17491	15670	16127	11287	6409	340
Webster	40342	45953	48391	47810	44241	41521	40425	37611	34629	31757	21582	15951	10484	2504	*
Winnebago	12122	13010	12990	13099	13450	13972	13143	13489	11914	12725	7325	4917	1562	168	*
Winneshiek	20847	21876	21758	21651	21639	22263	21630	22091	21729	23731	22528	23938	23570	13942	546
Woodbury	98276	100884	103052	107849	103917	103627	101669	92171	67616	54610	55632	14996	6172	1119	*
Worth	7991	9075	8984	10259	11068	11449	11164	11630	9950	10887	9247	7953	2892	756	*
Wright	14269	16319	17294	19447	19652	20038	20216	20348	17951	18227	12057	5062	2392	653	*
State of Iowa	2776831	2913808	2825368	2757537	2621073	2538268	2470939	2404021	2224771	2231853	1912297	1624615	1194020	674913	192214

Table 2. Population Change in Iowa Counties, 1850-1990.

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Adair	-1100	22	-1406	-1399	-904	-695	-368	-161	-1772	1658	2867	7685	2998	984*
Adams	-865	-591	-1146	-1285	-1403	-281	-84	-477	-2603	1309	404	7274	3081	1533*
Allamakee	-1253	140	-1014	-369	-833	856	-957	-43	-1383	804	-1884	1923	5631	11460
Appanoose	-1768	504	-1008	-3668	-4562	-590	-5700	1834	2774	6966	2325	180	4525	8800
Audubon	-1225	-1036	-1324	-660	-211	-474	-256	-151	-955	1214	4964	6236	758	454*
Benton	-1220	764	-537	766	-223	28	-1229	924	-2021	999	-710	2434	13958	7824
Black Hawk	-14163	5045	10434	22034	20502	10800	12576	11705	12466	8180	306	2207	13462	8109
Boone	-998	-286	-1567	-102	-1643	511	-621	2266	-574	4428	2934	6254	10352	3497
Bremer	-2007	2083	1629	2224	952	886	318	885	-462	1675	549	1553	7613	4915*
Buchanan	-2056	1138	-531	366	936	1441	-340	142	-1679	2430	451	1512	9128	7389
Buena Vista	-809	81	-496	76	1275	1171	111	2575	-994	3427	6011	5952	1528	57*
Butler	-1937	715	-514	73	-592	369	-228	726	-836	2492	1170	4342	6227	3724*
Calhoun	-2034	-750	-1631	-1002	-659	-21	-178	693	-1479	5462	7512	3993	1455	147*
Carroll	-1528	39	-519	366	295	444	777	1432	-202	1491	6477	9900	2170	281*
Cass	-1804	-75	-912	-613	-115	-775	1	374	-2227	1629	2702	11479	3852	1612*
Cedar	-1191	980	-136	881	26	124	-800	-205	-1606	1118	-683	-795	6782	9008
Cerro Gordo	-1725	-765	-671	3841	2208	5369	3801	9664	4339	5808	3403	6739	3782	940*
Cherokee	-2140	-1031	-1329	-454	-206	521	977	1019	171	911	7419	6273	1909	58*
Chickasaw	-2142	468	-65	-194	1	590	-794	56	-1662	2018	485	4354	5844	4336*
Clarke	-325	1031	-641	-1147	-864	-151	-122	-230	-1704	1108	-181	2778	3308	5348
Clay	-1991	1112	-40	401	341	1655	447	2894	-635	4092	5061	2725	1471	52*
Clayton	-2044	492	-1356	-560	-1812	-225	-473	-544	-2174	1017	-2096	1058	7043	16855
Clinton	-6082	373	1689	5396	4942	345	1006	-2023	1562	2633	4436	1406	16419	16116
Crawford	-2160	-181	547	-1172	-797	-490	414	573	-1644	2791	6481	9883	2147	383*
Dallas	242	3428	1962	462	-988	-844	373	1492	570	2579	1733	6727	6775	4390
Davis	-792	897	-992	-760	-1177	-14	-1424	-741	-2305	362	-1210	903	1801	6500
Decatur	-1456	57	-802	-2062	-1411	-891	-1663	219	-1768	2472	307	3318	3341	7712
Delaware	-898	163	287	749	-753	365	-61	295	-1297	1836	-601	518	6408	9265
Des Moines	-3589	-779	2377	2549	5252	-1358	2642	-625	156	665	2225	5843	7645	6623
Dickinson	-720	3064	-9	-182	571	1203	741	2104	142	3667	2427	512	1209	180*
Dubuque	-7342	3136	10561	8711	7569	2554	2952	812	1047	6555	6852	4027	7805	20323
Emmet	-1767	-673	-862	769	696	550	229	2811	-120	5662	2724	158	1287	105*
Fayette	-3645	-1410	-1683	287	-857	6	-106	1332	-1926	6704	883	5285	4900	11248

\*County not officially organized at the beginning of the period.



Table 2. Population Change in Iowa Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Floyd	-2539	-263	-1242	-403	1336	645	664	1741	-635	2330	747	3909	7024	3744*
Franklin	-1672	-219	-2217	-796	-111	-3	575	1027	-216	2125	2622	5511	3429	1309*
Fremont	-1175	119	-1000	-2041	-2322	-888	86	-176	-2923	1704	-810	6478	6100	3830
Greene	-2074	-597	-1663	-1165	-1055	71	61	444	-1797	2023	3070	8100	3253	1374*
Grundy	-2337	247	-13	410	204	-615	-287	846	-183	542	576	6240	5606	793*
Guthrie	-1048	-260	-1364	-1590	-2013	-114	-272	222	-1355	1349	2986	7333	4003	3058*
Hamilton	-1791	-521	-1649	372	-262	-1056	1447	289	-272	4195	4067	5197	4356	1699*
Hancock	-1195	327	-1098	-473	-325	600	79	1992	-1021	6131	4168	2454	820	179*
Hardin	-2682	-472	-285	315	-312	-417	-390	2416	-1873	3791	1196	4123	8244	5440*
Harrison	-1618	108	-1360	-1960	-3207	-2130	409	1326	-2435	4241	4707	7718	5310	3621*
Henry	336	776	-73	-521	714	334	-638	-342	-1382	1127	-2091	-477	2762	9994
Howard	-1305	-328	-1292	-371	-426	449	-623	785	-1592	3330	345	4555	3114	3168*
Humboldt	-1490	-273	-637	39	-342	257	251	769	-485	2831	4495	2745	2264	332*
Ida	-543	-375	-986	-428	-350	-886	244	393	-1031	1622	6323	4156	183	43*
Iowa	-799	10	-977	561	-1181	-316	-1268	191	-1135	1274	-951	2577	8615	7207
Jackson	-2553	1664	85	2132	-559	700	-1450	-1327	-2357	844	-1000	1152	4126	11283
Jasper	-1630	1000	143	2977	809	-1440	5081	821	58	2033	-1020	3847	12233	8603
Jefferson	-6	542	-44	122	-66	-479	-199	489	-1486	2253	-2285	-370	2801	5134
Johnson	14402	9590	18464	7907	12565	2915	3814	548	1097	1735	-2347	531	7325	13101
Jones	-957	533	-825	1292	-549	744	599	-443	-2904	1721	-819	1321	6425	10299
Keokuk	-1297	-1022	-1549	-1305	-1609	-742	-1835	-177	-3819	1117	2604	1824	6163	8449
Kossuth	-3300	-1046	-2377	-927	-389	1178	370	3111	-749	9600	6942	2827	2935	416*
Lee	-4419	110	-1211	1105	2028	-194	1592	2974	-3017	2004	2856	-2351	7978	10371
Linn	-1008	6562	26314	32625	15132	6806	8332	13284	5328	10089	8066	6157	12133	13503
Louisa	-463	1373	392	-811	-283	-191	-604	-676	-661	1643	-1269	265	2507	5431
Lucas	-1243	150	-760	-1146	-2502	-543	-572	2224	-2664	1563	33	4142	4622	5295
Lyon	-944	-444	-1128	-229	-677	81	-138	807	1459	4485	6712	1747	221*	*
Madison	-114	1039	-737	-836	-1394	194	-689	-601	-2089	1733	-1247	3340	6545	6160
Mahaska	-1335	690	-1425	-1070	-1813	681	-466	-3590	-4413	5468	3603	2694	7692	8827
Marion	332	3317	466	-44	-1089	1292	770	1962	-1164	1101	-2053	675	7623	11331
Marshall	-3376	576	3092	2373	205	1679	1097	2351	288	4149	2090	6176	11561	5677
Mills	-204	1574	-1218	-1014	-1000	-802	444	-389	-953	2216	411	5419	4237	4481*
Mitchell	-1401	-779	-935	98	-176	56	144	486	-1481	1617	-1064	4781	6173	3409*

Table 2. Population Change in Iowa Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Monona	-1658	-377	-1847	-2387	-1935	25	1088	492	-1347	3465	5460	5401	2822	832*
Monroe	-1095	-148	-1106	-1351	-2739	-457	-8457	-1962	7444	4319	-53	995	4112	5728
Montgomery	-1337	632	-1686	-1218	-12	-1055	-296	444	-1199	1955	-47	9961	4678	1256*
Muscatine	-529	3255	3341	1692	852	1911	343	-463	1263	3738	1334	1482	5244	10713
O'Brien	-1528	-550	-1318	-130	-323	884	-642	1789	277	3925	8905	3440	707	8*
Osceola	-1104	-184	-1509	-117	-426	425	-41	1267	231	3151	3355	2219*	*	*
Page	-2193	526	-2486	-2898	-966	-1017	1767	135	-185	2846	1674	9692	5556	3868
Palo Alto	-2052	-568	-1447	-1155	-279	772	-88	1641	-509	5036	5187	2795	1204	132*
Plymouth	-1355	421	416	654	-250	-657	575	455	920	2641	11002	6367	2051	148*
Pocahontas	-1844	-1424	-1441	-1262	-770	579	85	794	-531	5786	5840	2267	1343	103*
Polk	23970	17040	19815	40305	30175	22998	18808	43591	27814	17214	23015	14538	16232	7112
Pottawattamie	-3933	-430	3889	13420	2926	-3132	8338	5718	1496	6906	7580	22957	11925	-2860
Poweshiek	-273	503	-497	-44	586	31	-1183	321	175	1020	-542	3355	9913	5053
Ringgold	-692	-261	-1537	-1618	-1609	-829	-953	15	-2421	1769	1471	6394	2768	2923*
Sac	-1794	-1455	-1434	-511	-121	-2	141	945	-1084	3117	5748	7363	1165	246*
Scott	-9049	17335	23620	18369	15950	7416	3380	13952	8442	8394	1898	2667	12640	19973
Shelby	-1813	-485	-297	-117	-778	-411	1066	-487	-1380	321	4915	10156	1722	818*
Sioux	-910	2817	1621	-6	-828	403	348	1210	1911	4967	12944	4850	566	10*
Story	1926	9543	13456	5033	10860	2293	4956	2102	924	5032	1221	5255	7600	4051*
Tama	-2114	-614	-1266	-275	-740	441	126	-295	-2429	2533	467	5454	10846	5277
Taylor	-1239	-437	-1498	-2132	-1838	-601	-655	-798	-2472	2400	749	8646	3399	3386
Union	-1108	301	-155	-1939	-629	-1155	167	652	-3312	3028	1920	8994	3974	2012*
Van Buren	-950	-17	-1135	-1229	-1046	-550	-1457	-960	-2334	1101	-790	-629	591	4811
Wapello	-4545	-1908	-3977	-1271	3117	3800	2543	194	2317	5000	5141	2939	7828	6047
Warren	1155	7446	6603	3071	63	-5	-347	-147	-2182	2107	-1309	1598	7699	9320
Washington	-529	1174	-439	-151	-498	233	-599	496	-793	2250	-1906	1422	4717	9278
Wayne	-1132	-206	-1395	-1937	-1571	-479	-1591	-806	-1307	1821	-457	4840	4878	6069
Webster	-5611	-2438	581	3569	2720	1096	2814	2982	2872	10175	5631	5467	7980	2504*
Winnebago	-888	20	-109	-351	-522	829	-346	1575	-811	5400	2408	3355	1394	168*
Winneshiek	-1029	118	107	12	-624	633	-461	362	-2002	1203	-1410	368	9628	13396
Woodbury	-2608	-2168	-4797	3932	290	1958	9498	24555	13006	-1022	40636	8824	5053	1119*
Worth	-1084	91	-1275	-809	-381	285	-466	1680	-937	1640	1294	5061	2136	756*
Wright	-2050	-975	-2153	-205	-386	-178	-132	2397	-276	6170	6995	2670	1739	653*
State of Iowa	-136977	88440	67831	136464	82805	67329	66918	179250	-7082	319556	287682	430595	519107	482699

Table 3. Percent Population Change in Iowa Counties, 1850-1990.

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Adair	-11.6	0.2	-12.9	-11.4	-6.9	-5.0	-2.6	-1.1	-10.9	11.4	24.6	193.0	304.7	*
Adams	-15.1	-9.3	-15.3	-14.7	-13.8	-2.7	-0.8	-4.3	-19.1	10.6	3.4	157.7	201.0	*
Allamakee	-8.3	0.9	-6.3	-2.3	-4.8	5.2	-5.5	-0.2	-7.4	4.5	-9.5	10.8	46.0	1474.9
Appanoose	-11.4	3.4	-6.3	-18.6	-18.8	-2.4	-18.7	6.4	10.7	36.7	14.0	1.1	37.9	281.1
Audubon	-14.3	-10.8	-12.1	-5.7	-1.8	-3.9	-2.0	-1.2	-7.0	9.8	66.6	514.5	167.0	*
Benton	-5.2	3.3	-2.3	3.4	-1.0	0.1	-5.1	4.0	-8.0	4.1	-2.9	10.8	164.3	1164.3
Black Hawk	-10.3	3.8	8.5	21.9	25.6	15.6	22.2	26.1	38.5	33.8	1.3	10.2	163.3	6006.7
Boone	-3.8	-1.1	-5.6	-0.4	-5.5	1.7	-2.1	8.2	-2.0	18.6	14.1	42.9	244.6	475.8
Bremer	-8.1	9.2	7.7	11.8	5.3	5.2	1.9	5.6	-2.8	11.4	3.9	12.4	154.9	*
Buchanan	-9.0	5.2	-2.4	1.7	4.5	7.4	-1.7	0.7	-7.8	12.8	2.4	8.9	115.5	1429.2
Buena Vista	-3.9	0.4	-2.3	0.4	6.4	6.3	0.6	16.1	-5.9	25.3	79.8	375.5	2680.7	*
Butler	-11.0	4.2	-2.9	0.4	-3.3	2.1	-1.3	4.2	-4.7	16.1	8.2	43.6	167.2	*
Calhoun	-15.0	-5.2	-10.2	-5.9	-3.7	-0.1	-1.0	4.1	-8.0	41.7	134.3	249.3	989.8	*
Carroll	-6.7	0.2	-2.2	1.6	1.3	2.0	3.6	7.1	-1.0	7.9	52.4	403.9	772.2	*
Cass	-10.7	-0.4	-5.1	-3.3	-0.6	-4.0	0.0	2.0	-10.5	8.3	15.9	210.1	239.0	*
Cedar	-6.4	5.6	-0.8	5.2	0.2	0.7	-4.6	-1.2	-8.3	6.1	-3.6	-4.0	52.4	228.6
Cerro Gordo	-3.6	-1.6	-1.3	8.3	5.0	14.0	11.0	38.6	21.0	39.1	29.7	142.7	402.3	*
Cherokee	-13.2	-6.0	-7.1	-2.4	-1.1	2.8	5.5	6.1	1.0	5.8	90.0	318.9	3291.4	*
Chickasaw	-13.9	3.1	-0.4	-1.3	0.0	4.0	-5.1	0.4	-9.8	13.4	3.3	42.8	134.8	*
Clarke	-3.8	13.6	-7.8	-12.2	-8.4	-1.5	-1.2	-2.1	-13.7	9.8	-1.6	31.8	61.0	6769.6
Clay	-10.2	6.0	-0.2	2.2	1.9	10.3	2.9	22.7	-4.7	44.0	119.1	178.9	2828.8	*
Clayton	-9.7	2.4	-6.2	-2.5	-7.4	-0.9	-1.9	-2.1	-7.8	3.8	-7.3	3.8	34.0	435.2
Clinton	-10.6	0.7	3.1	10.9	11.1	0.8	2.3	-4.5	3.6	6.4	12.1	4.0	86.7	571.1
Crawford	-11.4	-0.9	2.9	-5.9	-3.9	-2.3	2.0	2.9	-7.6	14.8	52.2	390.6	560.6	*
Dallas	0.8	13.1	8.1	2.0	-4.0	-3.3	1.5	6.3	2.5	12.6	9.2	56.0	129.2	514.1
Davis	-8.7	10.9	-10.8	-7.6	-10.6	-0.1	-11.3	-5.6	-14.8	2.4	-7.3	5.8	13.1	89.5
Decatur	-14.9	0.6	-7.6	-16.4	-10.1	-6.0	-10.0	1.3	-9.8	15.8	2.0	27.6	38.5	799.2
Delaware	-4.7	0.9	1.6	4.2	-4.1	2.0	-0.3	1.6	-6.8	10.6	-3.3	3.0	58.1	526.7
Des Moines	-7.8	-1.7	5.3	6.1	14.3	-3.6	7.4	-1.7	0.4	1.9	6.7	21.4	39.0	51.0
Dickinson	-4.6	24.4	-0.1	-1.4	4.7	11.0	7.2	25.9	1.8	84.7	127.7	36.9	671.7	*
Dubuque	-7.8	3.5	13.2	12.2	11.9	4.2	5.1	1.4	1.9	13.1	15.9	10.3	25.0	187.5
Emmet	-13.2	-4.8	-5.8	5.5	5.2	4.3	1.8	28.6	-1.2	132.5	175.7	11.4	1225.7	*
Fayette	-14.3	-5.2	-5.9	1.0	-2.9	0.0	-0.4	4.8	-6.5	29.0	4.0	31.1	40.6	1363.4

\*County not officially organized at the beginning of the period.

Table 3. Percent Population Change in Iowa Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Floyd	-13.0	-1.3	-5.9	-1.9	6.6	3.3	3.5	10.2	-3.6	15.1	5.1	36.3	187.6	*
Franklin	-12.8	-1.7	-14.3	-4.9	-0.7	-0.0	3.6	6.9	-1.4	16.5	25.6	116.3	262.0	*
Fremont	-12.5	1.3	-9.7	-16.6	-15.9	-5.7	0.6	-1.1	-15.8	10.1	-4.6	58.0	120.2	307.9
Greene	-17.1	-4.7	-11.6	-7.5	-6.4	0.4	0.4	2.8	-10.1	12.8	24.1	175.1	236.8	*
Grundy	-16.3	1.7	-0.1	3.0	1.5	-4.4	-2.0	6.2	-1.3	4.1	4.6	97.5	706.9	*
Guthrie	-8.7	-2.1	-10.0	-10.5	-11.7	-0.7	-1.5	1.3	-7.2	7.8	20.7	103.9	130.9	*
Hamilton	-10.0	-2.8	-8.2	1.9	-1.3	-5.0	7.4	1.5	-1.4	27.4	36.1	85.8	256.4	*
Hancock	-8.6	2.4	-7.5	-3.1	-2.1	4.1	0.5	15.6	-7.4	80.4	120.7	245.6	458.1	*
Hardin	-12.3	-2.1	-1.3	1.4	-1.4	-1.8	-1.7	11.5	-8.2	19.9	6.7	30.1	151.6	*
Harrison	-9.9	0.7	-7.7	-10.0	-14.1	-8.6	1.7	5.7	-9.5	19.9	28.3	86.4	146.6	*
Henry	1.8	4.3	-0.4	-2.8	4.0	1.9	-3.5	-1.8	-6.9	6.0	-10.0	-2.2	14.8	114.8
Howard	-11.7	-2.9	-10.1	-2.8	-3.1	3.4	-4.5	6.1	-11.0	29.8	3.2	72.5	98.3	*
Humboldt	-12.2	-2.2	-4.8	0.3	-2.5	1.9	1.9	6.3	-3.8	28.8	84.2	105.7	681.9	*
Ida	-6.1	-4.0	-9.6	-4.0	-3.2	-7.4	2.1	3.5	-8.4	15.2	144.3	1838.9	425.6	*
Iowa	-5.2	0.1	-6.0	3.5	-6.9	-1.8	-6.8	1.0	-5.8	7.0	-4.9	15.5	107.3	876.8
Jackson	-11.3	8.0	0.4	11.4	-2.9	3.8	-7.3	-6.2	-10.0	3.7	-4.2	5.1	22.3	156.5
Jasper	-4.5	2.8	0.4	9.2	2.6	-4.4	10.2	3.0	0.2	8.2	-3.9	17.4	123.8	672.1
Jefferson	-0.0	3.4	-0.3	0.8	-0.4	-2.9	-1.2	3.1	-8.5	14.8	-13.1	-2.1	18.6	51.8
Johnson	17.6	13.3	34.4	17.3	37.9	9.6	14.4	2.1	4.4	7.5	-9.2	2.1	41.7	293.0
Jones	-4.7	2.7	-4.0	6.7	-2.8	3.9	3.2	-2.3	-13.2	8.5	-3.9	6.7	48.3	342.5
Keokuk	-10.0	-7.3	-10.0	-7.8	-8.7	-3.9	-8.7	-0.8	-15.3	4.7	12.2	9.4	46.4	175.2
Kossuth	-15.1	-4.6	-9.4	-3.5	-1.5	4.6	1.5	14.2	-3.3	73.2	112.4	84.4	705.5	*
Lee	-10.3	0.3	-2.7	2.6	4.9	-0.5	4.0	8.1	-7.6	5.3	8.2	-6.3	27.3	55.0
Linn	-0.6	4.0	19.2	31.3	17.0	8.3	11.3	21.9	9.6	22.3	21.7	19.8	64.0	248.0
Louisa	-3.8	12.9	3.8	-7.3	-2.5	-1.7	-5.0	-5.3	-4.9	13.8	-9.7	2.1	24.2	110.0
Lucas	-12.1	1.5	-7.0	-9.5	-17.2	-3.6	-3.6	16.5	-16.5	10.7	0.2	39.9	80.2	1124.2
Lyon	-7.3	-3.3	-7.8	-1.6	-4.4	0.5	-0.9	5.5	11.1	51.7	341.1	790.5	*	*
Madison	-0.9	9.0	-6.0	-6.4	-9.6	1.4	-4.6	-3.8	-11.8	10.8	-7.2	24.1	89.2	522.5
Mahaska	-5.8	3.1	-6.0	-4.3	-6.8	2.5	-1.8	-12.0	-12.9	19.0	14.3	12.0	51.9	147.4
Marion	1.1	12.6	1.8	-0.2	-4.0	5.0	3.1	8.5	-4.8	4.8	-8.2	2.8	45.3	206.7
Marshall	-8.1	1.4	8.1	6.7	0.6	5.0	3.4	7.8	1.0	16.1	8.8	35.1	192.2	1679.6
Mills	-1.5	13.3	-9.3	-7.2	-6.6	-5.1	2.9	-2.5	-5.7	15.2	2.9	62.2	94.6	*
Mitchell	-11.4	-5.9	-6.7	0.7	-1.2	0.4	1.0	3.6	-9.9	12.2	-7.4	49.9	181.1	*

Table 3. Percent Population Change in Iowa Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Monona	-14.2	-3.1	-13.3	-14.6	-10.6	0.1	6.4	3.0	-7.5	23.9	60.3	147.8	339.2	*
Monroe	-11.9	-1.6	-10.6	-11.4	-18.8	-3.0	-36.0	-7.7	41.4	31.6	-0.4	7.8	47.7	198.6
Montgomery	-10.0	4.9	-11.7	-7.8	-0.1	-6.3	-1.7	2.7	-6.7	12.3	-0.3	167.9	372.5	*
Muscatine	-1.3	8.8	9.9	5.3	2.7	6.5	1.2	-1.6	4.5	15.3	5.8	6.8	31.9	186.9
O'Brien	-9.0	-3.1	-7.0	-0.7	-1.7	4.8	-3.4	10.4	1.6	30.1	214.3	481.1	8837.5	*
Osceola	-13.2	-2.2	-15.0	-1.1	-4.0	4.2	-0.4	14.1	2.6	56.5	151.2	*	*	*
Page	-11.5	2.8	-11.8	-12.1	-3.9	-3.9	7.3	0.6	-0.8	13.3	8.5	97.2	125.7	702.0
Palo Alto	-16.1	-4.3	-9.8	-7.3	-1.7	5.0	-0.6	11.9	-3.5	54.0	125.6	209.2	912.1	*
Plymouth	-5.5	1.7	1.7	2.8	-1.1	-2.7	2.4	2.0	4.1	13.5	128.4	289.5	1385.8	*
Pocahontas	-16.2	-11.1	-10.1	-8.1	-4.7	3.7	0.5	5.4	-3.5	60.6	157.3	156.8	1303.9	*
Polk	7.9	6.0	7.4	17.8	15.4	13.3	12.2	39.5	33.7	26.3	54.3	52.2	139.6	157.6
Pottawattamie	-4.5	-0.5	4.7	19.3	4.4	-4.5	13.5	10.2	2.8	14.6	19.0	135.9	240.0	-36.5
Poweshiek	-1.4	2.7	-2.6	-0.2	3.1	0.2	-5.9	1.6	0.9	5.5	-2.9	21.5	174.9	821.6
Ringgold	-11.3	-4.1	-19.4	-17.0	-14.4	-6.9	-7.4	0.1	-15.8	13.0	12.2	112.4	94.7	*
Sac	-12.7	-9.3	-8.4	-2.9	-0.7	-0.0	0.8	5.7	-6.1	21.5	65.5	521.8	473.6	*
Scott	-5.7	12.1	19.8	18.2	18.8	9.6	4.6	23.3	16.4	19.4	4.6	6.9	48.7	333.7
Shelby	-12.1	-3.1	-1.9	-0.7	-4.7	-2.4	6.6	-2.9	-7.7	1.8	38.7	399.8	210.5	*
Sioux	-3.0	10.1	6.1	-0.0	-3.0	1.5	1.3	4.8	8.2	27.0	238.6	842.0	5660.0	*
Story	2.7	15.2	27.3	11.4	32.5	7.4	18.9	8.7	4.0	27.8	7.2	45.1	187.6	*
Tama	-10.8	-3.0	-5.9	-1.3	-3.3	2.0	0.6	-1.3	-9.9	11.5	2.2	33.8	205.2	65962.5
Taylor	-14.8	-5.0	-14.6	-17.2	-12.9	-4.0	-4.2	-4.9	-13.2	14.6	4.8	123.7	94.7	1659.8
Union	-8.0	2.2	-1.1	-12.4	-3.9	-6.6	1.0	3.9	-16.6	17.9	12.8	150.3	197.5	*
Van Buren	-11.0	-0.2	-11.6	-11.2	-8.7	-4.4	-10.4	-6.4	-13.4	6.8	-4.6	-3.6	3.5	39.2
Wapello	-11.3	-4.5	-8.6	-2.7	7.0	9.4	6.7	0.5	6.5	16.4	20.3	13.2	53.9	71.4
Warren	3.3	27.1	31.7	17.3	0.4	-0.0	-1.9	-0.8	-10.7	11.5	-6.7	8.9	74.9	969.8
Washington	-2.6	6.2	-2.3	-0.8	-2.5	1.2	-2.9	2.5	-3.8	12.2	-9.4	7.5	33.1	187.2
Wayne	-13.8	-2.5	-14.2	-16.5	-11.8	-3.5	-10.3	-5.0	-7.5	11.6	-2.8	42.9	76.1	1785.0
Webster	-12.2	-5.0	1.2	8.1	6.6	2.7	7.5	8.6	9.0	47.1	35.3	52.1	318.7	*
Winnebago	-6.8	0.2	-0.8	-2.6	-3.7	6.3	-2.6	13.2	-6.4	73.7	49.0	214.8	829.8	*
Winneshiek	-4.7	0.5	0.5	0.1	-2.8	2.9	-2.1	1.7	-8.4	5.3	-5.9	1.6	69.1	2453.5
Woodbury	-2.6	-2.1	-4.4	3.8	0.3	1.9	10.3	36.3	23.8	-1.8	271.0	143.0	451.6	*
Worth	-11.9	1.0	-12.4	-7.3	-3.3	2.6	-4.0	16.9	-8.6	17.7	16.3	175.0	282.5	*
Wright	-12.6	-5.6	-11.1	-1.0	-1.9	-0.9	-0.6	13.4	-1.5	51.2	138.2	111.6	266.3	*
State of Iowa	-4.7	3.1	2.5	5.2	3.3	2.7	2.8	8.1	-0.3	16.7	17.7	36.1	76.9	251.1

Table 4. Population Change (1850-1900, 1900-1950, 1950-1990), Decades of Population Increase, and Year Census Count Highest in Iowa counties.

County	Population Change					Number of Decades of Population Increase			Year Census Count Highest
	1850-1900	1900-1950		1950-1990		1850-1900	1900-1950	1950-1990	
	Number	Number	Percent	Number	Percent				
Adair	16192	-3900	-24.1	-3883	-31.6	5	0	1	1900
Adams	13601	-4848	-35.6	-3887	-44.4	5	0	0	1900
Allamakee	17934	-2360	-12.6	-2496	-15.3	4	1	1	1880
Appanoose	22796	-6244	-24.1	-5940	-30.2	5	2	1	1920
Audubon	13626	-2047	-15.0	-4245	-36.7	5	0	0	1900
Benton	24505	-2521	-10.0	-227	-1.0	4	2	2	1900
Black Hawk	32264	68049	210.0	23350	23.2	5	5	3	1980
Boone	27465	-61	-0.2	-2953	-10.5	5	2	0	1920
Bremer	16305	2579	15.8	3929	20.8	5	4	3	1980
Buchanan	20910	500	2.3	-1083	-4.9	5	3	2	1980
Buena Vista	16975	4138	24.4	-1148	-5.4	5	4	2	1960
Butler	17955	-561	-3.1	-1663	-9.6	5	2	2	1940
Calhoun	18569	-1644	-8.8	-5417	-32.0	5	1	0	1900
Carroll	20319	2746	13.5	-1642	-7.1	5	4	2	1960
Cass	21274	-2742	-12.9	-3404	-18.4	5	2	0	1900
Cedar	15430	-2461	-12.7	534	3.2	3	2	2	1870
Cerro Gordo	20672	25381	122.8	680	1.5	5	5	1	1960
Cherokee	16570	2482	15.9	-4954	-26.0	5	4	0	1940
Chickasaw	17037	-1809	-10.6	-1933	-12.7	5	3	1	1900
Clarke	12361	-3071	-24.7	-1082	-11.6	4	0	1	1900
Clay	13401	4702	35.1	-518	-2.9	5	4	2	1980
Clayton	23877	-5228	-18.8	-3468	-15.4	4	0	1	1880
Clinton	41010	5832	13.3	1376	2.8	5	4	3	1980
Crawford	21685	-1944	-9.0	-2966	-15.0	5	2	1	1900
Dallas	22204	603	2.6	6094	25.8	5	3	4	1990
Davis	8356	-5661	-36.2	-1647	-16.5	4	0	1	1880
Decatur	17150	-5514	-30.4	-4263	-33.8	5	1	1	1900
Delaware	17426	-1451	-7.6	301	1.7	4	2	3	1900
Des Moines	23001	6067	16.9	558	1.3	5	3	2	1970
Dickinson	7995	4761	59.6	2153	16.9	5	5	1	1980
Dubuque	45562	14934	26.5	15066	21.1	5	5	3	1980
Emmet	9936	4166	41.9	-2533	-18.0	5	4	1	1960
Fayette	29020	-1551	-5.2	-6451	-22.8	5	2	1	1900
Floyd	17754	3751	21.1	-4447	-20.7	5	4	0	1950
Franklin	14996	1272	8.5	-4904	-30.2	5	2	0	1930
Fremont	17302	-6223	-33.6	-4097	-33.2	4	1	1	1900
Greene	17820	-2276	-12.8	-5499	-35.4	5	3	0	1900
Grundy	13757	-35	-0.2	-1693	-12.3	5	2	2	1920
Guthrie	18729	-3532	-18.9	-4262	-28.0	5	1	0	1900
Hamilton	19514	146	0.8	-3589	-18.3	5	2	1	1930
Hancock	13752	1325	9.6	-2439	-16.2	5	3	1	1940
Hardin	22794	-576	-2.5	-3124	-14.1	5	1	1	1920
Harrison	25597	-6037	-23.6	-4830	-24.7	5	2	1	1900
Henry	11315	-1314	-6.6	518	2.8	3	2	2	1870
Howard	14512	-1407	-9.7	-3296	-25.2	5	2	0	1900
Humboldt	12667	450	3.6	-2361	-18.0	5	3	1	1940
Ida	12327	-1630	-13.2	-2332	-21.8	5	2	0	1900
Iowa	18722	-3709	-19.0	-1205	-7.6	4	1	2	1900
Jackson	16405	-4993	-21.1	1328	7.1	4	1	3	1880
Jasper	25696	5329	19.8	2490	7.7	4	4	3	1980

Table 4. Population Change (1850-1900, 1900-1950, 1950-1990), Decades of Population Increase, and Year Census Count Highest in Iowa counties (continued).

County	Population Change					Number of Decades of Population Increase			Year Census Count Highest
	1850-1900	1900-1950		1950-1990		1850-1900	1900-1950	1950-1990	
	Number	Number	Percent	Number	Percent				
Jefferson	7533	-1741	-10.0	614	3.9	3	1	2	1870
Johnson	20345	20939	84.4	50363	110.1	4	5	4	1990
Jones	18947	-2553	-11.6	43	0.2	4	2	2	1900
Keokuk	20157	-8182	-32.8	-5173	-30.8	5	0	0	1900
Kossuth	22720	3521	15.5	-7650	-29.2	5	3	0	1940
Lee	20858	3383	8.5	-4415	-10.2	4	3	2	1960
Linn	49948	48882	88.2	64493	61.8	5	5	3	1980
Louisa	8577	-2415	-17.9	491	4.4	4	0	2	1900
Lucas	15655	-4057	-25.2	-2999	-24.8	5	1	1	1900
Lyon	13165	1532	11.6	-2745	-18.7	4	3	0	1920
Madison	16531	-4579	-25.9	-648	-4.9	4	1	1	1900
Mahaska	28284	-9601	-28.0	-3140	-12.7	5	1	1	1900
Marion	18677	1771	7.3	4071	15.7	4	3	3	1990
Marshall	29653	5620	18.7	2665	7.5	5	5	3	1980
Mills	16764	-2700	-16.1	-862	-6.1	5	1	1	1900
Mitchell	14916	-971	-6.5	-3017	-21.6	4	3	1	1900
Monona	17980	-1677	-9.3	-6269	-38.4	5	3	0	1940
Monroe	15101	-6171	-34.3	-3700	-31.3	4	1	0	1910
Montgomery	17803	-2118	-11.9	-3609	-23.0	4	1	1	1900
Muscatine	22511	3906	13.8	7759	24.1	5	4	3	1980
O'Brien	16985	1985	11.7	-3526	-18.6	5	3	0	1940
Osceola	8725	1456	16.7	-2914	-28.6	3	3	0	1940
Page	23636	-266	-1.1	-7051	-29.5	5	2	1	1930
Palo Alto	14354	1537	10.7	-5222	-32.9	5	2	0	1940
Plymouth	22209	1043	4.7	136	0.6	5	3	3	1980
Pocahontas	15339	157	1.0	-5971	-38.5	5	3	0	1940
Polk	78111	143386	173.5	101130	44.8	5	5	4	1990
Pottawattamie	46508	15346	28.2	12946	18.6	4	4	2	1970
Poweshiek	18799	-70	-0.4	-311	-1.6	4	4	1	1920
Ringgold	15325	-5797	-37.8	-4108	-43.1	5	1	0	1900
Sac	17639	-121	-0.7	-5194	-29.6	5	2	0	1930
Scott	45572	49140	95.3	50275	49.9	5	5	3	1980
Shelby	17932	-1990	-11.1	-2712	-17.0	5	1	0	1900
Sioux	23337	3044	13.0	3522	13.4	5	4	2	1980
Story	23159	21135	91.3	29958	67.6	5	5	4	1990
Tama	24577	-2897	-11.8	-4269	-19.7	5	2	0	1900
Taylor	18580	-6364	-33.9	-5306	-42.7	5	0	0	1900
Union	19928	-4277	-21.5	-2901	-18.5	5	2	1	1900
Van Buren	5084	-6347	-36.6	-3331	-30.3	3	0	0	1870
Wapello	26955	11971	33.8	-11701	-24.7	5	5	0	1950
Warren	19415	-2618	-12.8	18275	102.9	4	1	4	1990
Washington	15761	-1161	-5.6	55	0.3	4	2	1	1900
Wayne	17151	-5754	-32.9	-4670	-39.8	4	0	0	1900
Webster	31757	12484	39.3	-3899	-8.8	5	5	2	1970
Winnebago	12725	725	5.7	-1328	-9.9	5	2	1	1940
Winneshiek	23185	-2092	-8.8	-792	-3.7	4	2	3	1880
Woodbury	54610	49307	90.3	-5641	-5.4	4	5	1	1960
Worth	10887	181	1.7	-3077	-27.8	5	2	1	1920
Wright	18227	1425	7.8	-5383	-27.4	5	1	0	1920
State of Iowa	2039639	389220	17.4	155758	5.9	5	4	3	1980

were nine counties for which population gains were greater than 10 percent. All of these nine contained substantial cities. Johnson and Story led with increases greater than 30 percent as students returned to the universities after the war. Polk alone gained more than 30,000 people, Black Hawk more than 20,000, and Linn and Scott more than 15,000. In 1940, only two counties (Polk, Woodbury) had been over 100,000; by 1950, there were five (Black Hawk, Linn, Polk, Scott, Woodbury). Polk exceeded 200,000 for the first time. The total population for Iowa was more than 2.6 million in 1950.

Iowa's growth was considerably slower in the first half of the twentieth century than it had been in the last half of the 1800s. Fewer than 400,000 residents were added from 1900 to 1950, which was an increase of 17.4 percent. Fifty-five counties had fewer residents in 1950 than they counted in 1900 (Table 4). Drops of at least 5,000 occurred in 13, topped by declines greater than 8,000 in Keokuk and Mahaska. Most of the counties with relatively large decreases were located in the southern section of the state. Of the 44 counties gaining population in the first half of this century, 16 added at least 5,000. Polk's increase of more than 143,000 doubled the next greatest increase (Black Hawk, +68,000). Three others gained nearly 50,000 in 50 years (Linn, +48,900; Scott, +49,100; Woodbury, +49,300). Thirteen counties (Black Hawk, Cerro Gordo, Dickinson, Dubuque, Johnson, Linn, Marshall, Polk, Scott, Story, Wapello, Webster, Woodbury) increased their counts each decade from 1900 to 1950; these tended to be Iowa's most urban counties. In contrast, 11 counties (Adair, Adams, Audubon, Clarke, Clayton, Davis, Keokuk, Louisa, Taylor, Van Buren, Wayne) declined each decade from the beginning of this century to 1950.

### 1950 to 1990

Iowa experienced an upsurge in population in the 1950s, when it increased by more than 5 percent for only the second decade this century. Polk once again made an impressive gain (more than 40,000). Black Hawk and Linn also continued to post substantial gains. Twelve counties had percentage increases greater than 10 percent and eight of these also had more than 10 percent growth the previous decade as well. Still, 58 counties declined, 16 losing more than 10 percent. Eight counties (Adams, Appanoose, Decatur, Fremont, Monona, Ringgold, Taylor, Wayne) were down at least 14 percent and all of them had lost at least 10 percent the previous decade as well. By the 1960 census, six counties (Adams, Clarke, Davis, Ringgold, Van Buren, Wayne) had slipped below 10,000 residents.

The 1960 population of 2,757,537 grew to 2,825,368 by 1970, but the rate of growth slowed somewhat to 2.5 percent. This time 74 counties experienced population declines, more than in any previous decade. Twenty-two had losses of at least 10 percent. As of 1970, 15 were under 10,000 in population. The least populous counties were Adams and Ringgold, each with just over 6,300 inhabitants. Woodbury had the highest numerical loss (-4,797) with Wapello next (-3,977). The trend of the previous decades continued, in that most counties with large cities increased, although Polk's gain of 19,815 was less than half that of the previous decade. The greatest growth in numbers came in Linn (+26,314) and Scott (+23,620) and increases greater than 25 percent occurred in Johnson (+34.4%), Story (+27.3%), and Warren (+31.7%).

Population declines slowed somewhat for many counties in the 1970s. Between 1970 and 1980, 42 counties lost population, fewer than in the previous decade. Only Pocahontas and Audubon counties had percentage declines above 10 percent. The largest numerical losses of the decade were in Wapello (-1,908), Webster (-2,438), and Woodbury (-2,168). In 1970 and 1980, the same fifteen counties had fewer than 10,000 residents. Growth counties were led by percentage gains of 24.4 percent in Dickinson and 27.1 percent in Warren. Numerical gains were largest in Polk and Scott, with increases greater than 17,000 in each. Polk surpassed 300,000 for the first time and, by 1980, the population of the state was 2.9 million.

Population trends turned quite negative in the 1980s, when the number of Iowans dropped by 137,000 (-4.7%). Seven counties (Dallas, Henry, Johnson, Marion, Polk, Story, Warren) gained population from 1980 to 1990 (Figures 3, 4). The increases of 24,000 in Polk and 14,400 in Johnson were the only ones topping 2,000; these two counties also had the only gains above 5 percent (Polk, +7.9%; Johnson, +17.6%). Declines were greater than 5,000 in five counties (Black Hawk, -14,200; Clinton, -6,100; Dubuque, -7,300; Scott, -9,000; Webster, -5,600) and between 1,000 and 4,999 in 65. Forty-eight counties had decreases of at least 10 percent in the 1980s (Figure 5). Seven of these declines were 15



percent or greater (Adams, -15.1%; Calhoun, -15.0%; Greene, -17.1%; Grundy, -16.3%; Kossuth, -15.1%; Palo Alto, -16.1%; Pocahontas, -16.2%).

Growth in population for the state continued to slow in the second half of this century. About 156,000 more people lived in Iowa in 1990 than in 1950, which was an increase of 5.9 percent (Table 4). But much of the gain that occurred in the 1960s and 1970s was negated by decline in the 1980s. Fifteen counties lost at least 5,000 residents in the last 40 years, with the greatest loss in Wapello (-11,700); another 49 counties were down by 1,000-4,999. Yet the state's population grew because some counties had large increases. Eight gained 1,000-4,999 residents and 11 added at least 5,000 residents. Four (Johnson, Linn, Polk, Scott) jumped by at least 50,000, with Polk topping the list with 101,000 more residents in 1990 than in 1950.

Only five counties (Dallas, Johnson, Polk, Story, Warren) grew in each of the four decades between 1950 and 1990; 30 decreased in each. Indeed, declines were noted in Adams, Audubon, Keokuk, Taylor, Van Buren, and Wayne between every census since 1900; 28 others reported growth in only one or two of the last nine decades. On the other hand, Johnson, Polk, and Story gained population every 10 years since 1900; another 11 (Black Hawk, Bremer, Clinton, Dallas, Dubuque, Jasper, Linn, Marshall, Muscatine, Scott, Webster) increased in seven or eight of the decades since the turn of the century. Some radical changes in population trends are evident when the first and second parts of this century are compared. Warren, for example, gained population in only one decade from 1900 to 1950, but it increased in each one from 1950 to 1990. Wapello, on the other hand, grew between each census conducted from 1900 through 1950 but has declined in each one since. Cerro Gordo, Dickinson, and Woodbury each gained throughout the first half of the century, but they had increases in only one decade since 1950. Cherokee and Floyd reported higher populations at the end of all decades except one from 1900 to 1950, but neither grew between any of the censuses from 1950 to 1990.

### Concluding Comments

Growth between 1850 and 1900 resulted in only three Iowa counties with populations under 10,000 at the turn of the century. But the 90 years since then are characterized by two diverse trends for counties. Some declined; in 1990, 18 had fewer than 10,000 residents. Nine counties reported less than half the residents in 1990 than they had counted in 1900. Others grew; six counties had populations greater than 50,000 in 1900, although only one (Polk) was above 60,000; 10 exceeded 50,000 in 1990, but only one was in the 50,000-60,000 range. Among those that increased over this century, two more than doubled their populations when 1900 and 1990 were compared, and five more than tripled their totals. These contrary trends temper the general growth reported for the state. Such differences should be expected to continue through future censuses.

Figure 1. Population in Iowa, 1850-1990.

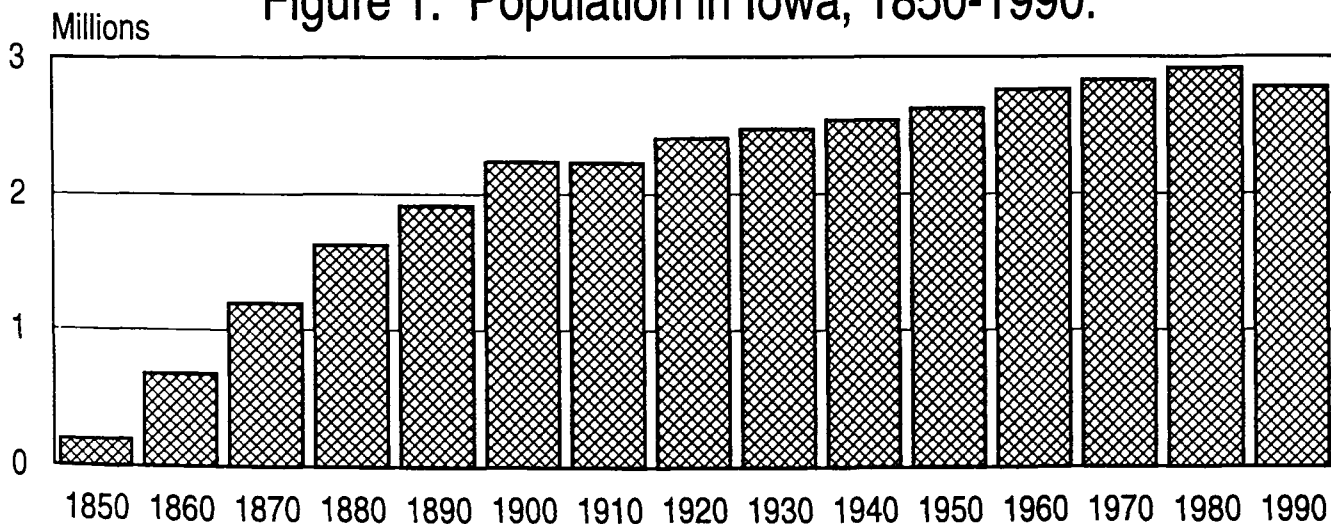


Figure 2. Historical population peaks, 1850-1990.

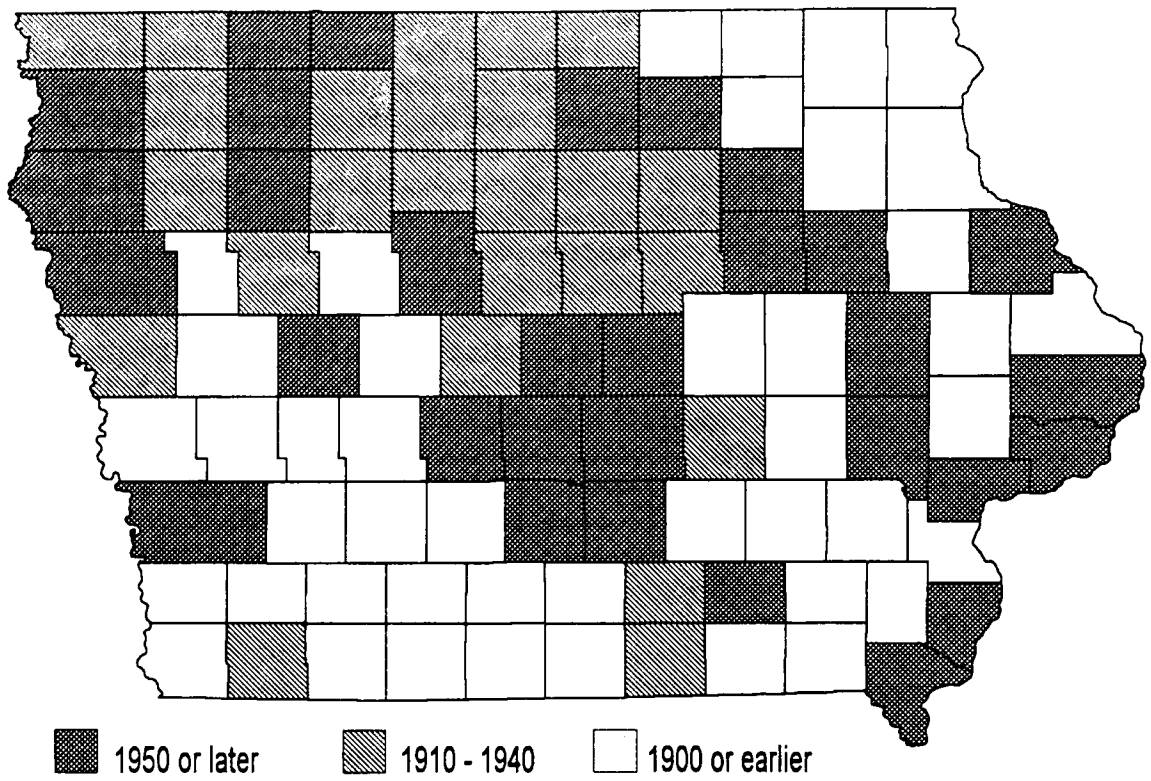


Figure 3. Population change, 1980-1990.

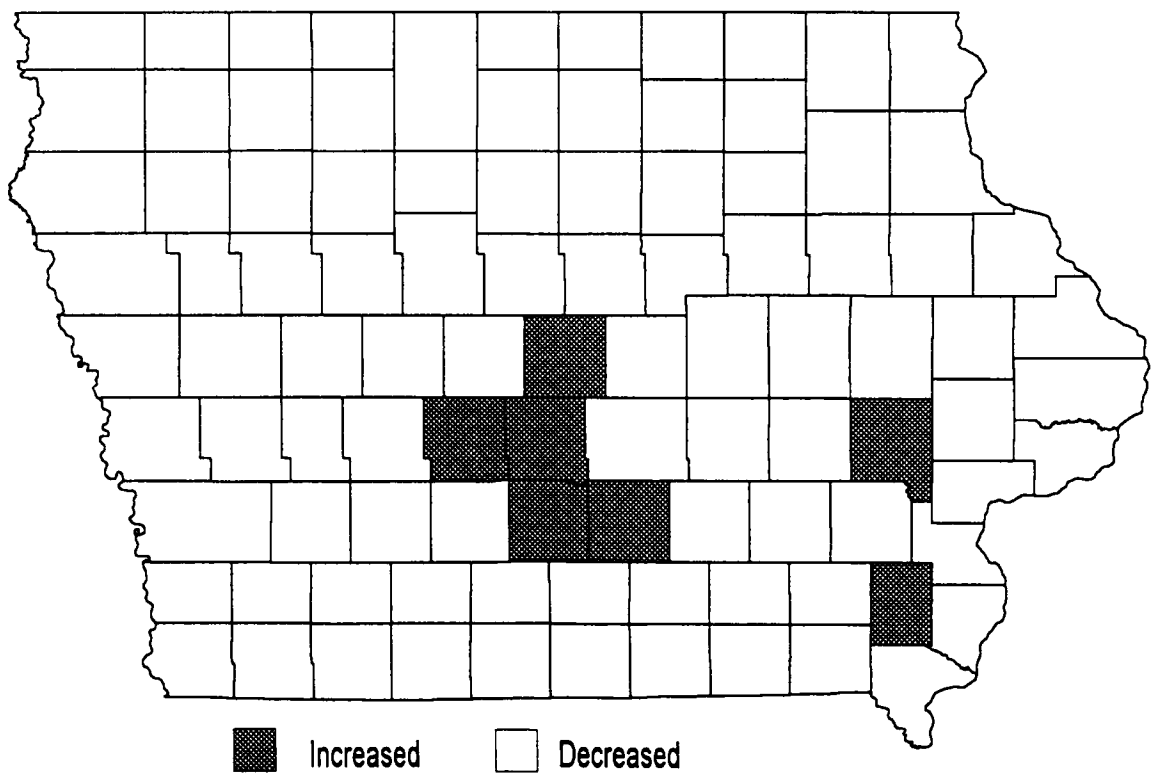


Figure 4. Percent increase, 1980-1990.

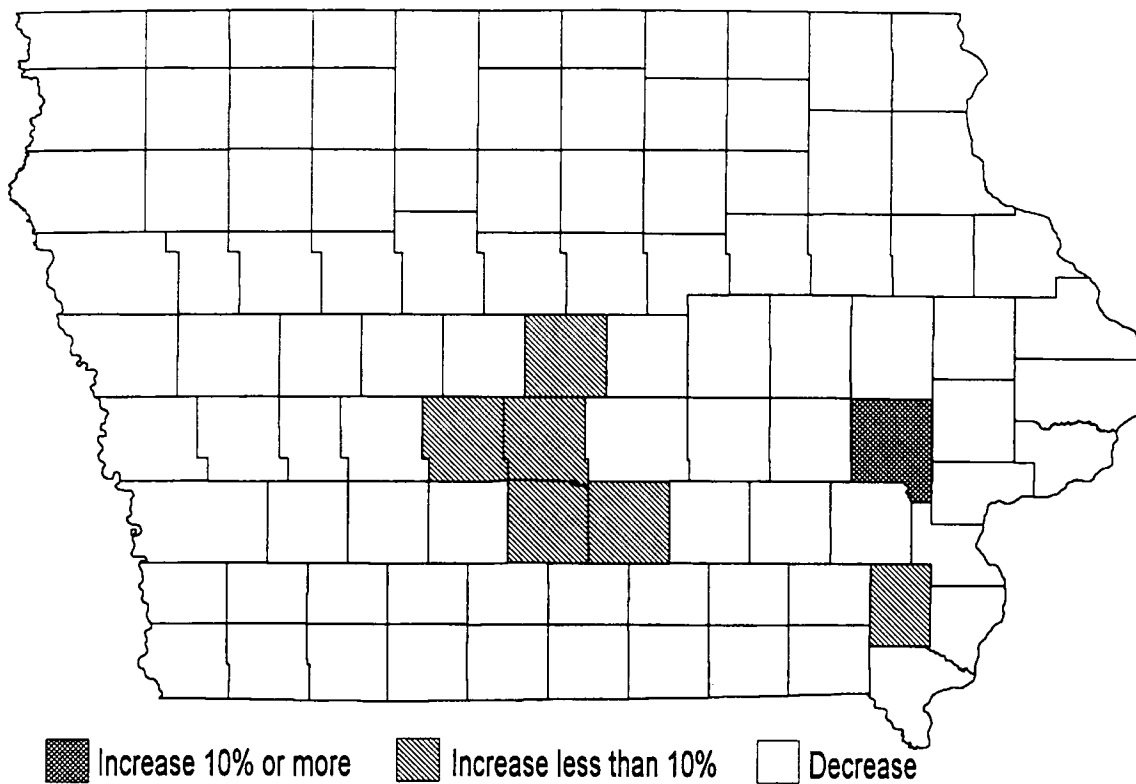
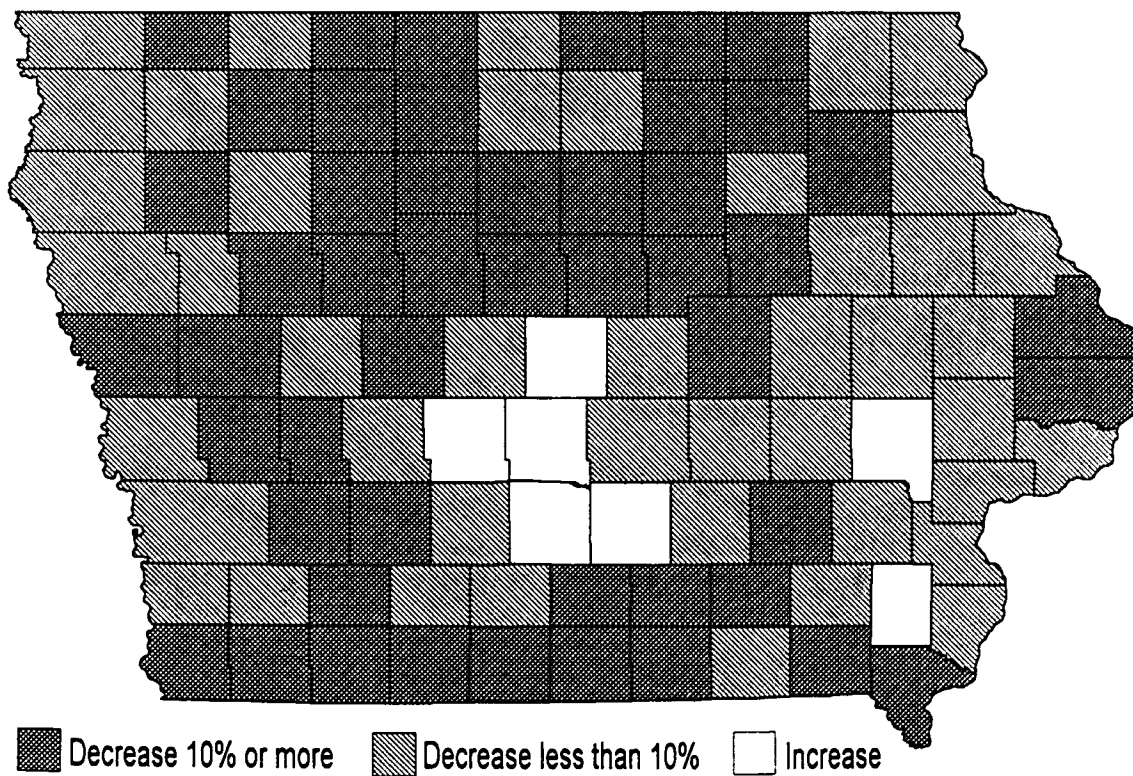


Figure 5. Percent decrease, 1980-1990.





## **Births, Deaths, and Natural Change in Iowa's Counties:**

### **1980-1996**

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The Iowa Department of Public Health annually records vital statistics for Iowa and its counties. Data for 1996 recently were released for births and deaths. Births are counted by the county of residence of the mother, which may not necessarily be the county in which the birth occurs. Similarly, deaths are reported by the county of residence of the deceased individual, although the death may have happened elsewhere.

#### **Births**

Iowa recorded 37,130 births in 1996, an increase of 340 from 1995. That was the first increase since the 1987-1990 period. The 1996 figure surpasses only those for 1994 and 1995 of the 17 years reported here (Table 1, Figure 1). More than 1,600 fewer births occurred in 1996 than 10 years earlier in 1986. A drop of 2,434 births took place between 1985 and 1986; this was the greatest decline between adjacent years. The gain of 846 between 1988 and 1989 was the highest from 1980 through 1996.

Comparison of the most recent years indicates that 47 counties had more births in 1996 than in 1995, 49 had fewer births in the more recent year, and three had the same number both years. Increases in the number of births ranged from less than 10 in 13 counties to at least 20 in 20 others, with the greatest increase occurring in Polk (+327), the only one gaining more than 100. Black Hawk, Crawford, Scott, and Wapello also increased by at least 50 births. Declines from 1995 to 1996 ranged from less than 10 in 13 counties to at least 50 in three others (Clinton, Henry, Linn).

Seventy-two counties had fewer births in 1996 than in 1986, indicating that most areas of Iowa reflected the state's trend. Only five counties (Dallas, Linn, Polk, Washington, Woodbury) had at least 50 more births in 1996 than 10 years earlier, with Polk's gain of more than 800 much greater than the others. In two counties (Pottawattamie, Scott), there were at least 200 fewer births in 1996 than in 1986. In 23 other counties, there were from 50 to 199 fewer births in 1996 than in 1986.

#### **Deaths**

The number of deaths in Iowa has fluctuated much less than the number of births (Figure 1). The 27,800 deaths in 1996 outnumbered the 27,021 counted in 1986 by 779 (Table 2). The change between adjacent years was greatest for 1992-1993; there were 1,371 more deaths in 1993 than in 1992. From 1980 through 1996 changes from one year to the next exceeded 1,000 only once (1992-1993) and decreased about as frequently as it increased from one year to the next.

Forty-eight counties had more deaths in 1996 than the previous year. The increase was less than 10 in 20 counties but at least 50 in three others (Cherokee, Polk, Warren). Forty-nine counties had fewer deaths in 1996 than in 1995; 19 had less than 10 fewer deaths in the more recent year, although Scott and Woodbury declined by at least 50 deaths between 1995 and 1996.

#### **Natural Change**

The result of subtracting deaths from births is called natural change. This is an indication of population change caused by the natural events of birth and death. Iowa has had more births than deaths

Table 1. Births in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	61	80	93	74	105	87	102	109	86	94	111	122	114	115	143	125	166
Adams	48	36	64	51	41	64	60	70	74	63	55	73	73	64	80	64	94
Allamakee	173	157	158	176	199	174	177	214	201	202	210	219	219	220	237	249	252
Appanoose	168	147	152	164	174	170	166	166	167	162	180	188	197	194	184	229	241
Audubon	63	75	88	72	70	76	91	83	82	95	89	111	135	120	119	112	151
Benton	264	298	292	308	304	336	318	292	286	283	295	309	328	291	307	349	414
Black Hawk	1601	1509	1605	1774	1651	1732	1699	1687	1628	1621	1739	1947	2093	2096	2245	2332	2382
Boone	299	309	313	274	289	312	329	309	347	318	295	326	333	347	367	384	395
Bremer	234	249	243	272	259	237	242	256	233	242	267	297	306	320	367	398	417
Buchanan	286	283	314	277	327	302	302	336	310	325	287	367	381	393	454	448	447
Buena Vista	228	219	243	238	274	265	287	253	302	263	294	314	290	302	313	344	322
Butler	148	166	163	169	159	162	184	180	189	179	209	201	242	259	255	236	284
Calhoun	115	114	106	90	120	111	130	124	111	145	152	149	140	171	196	170	204
Carroll	260	283	269	258	271	278	320	292	312	338	361	373	384	416	384	416	436
Cass	152	152	150	178	169	205	192	192	190	163	204	200	255	228	254	286	241
Cedar	195	204	193	203	197	217	221	224	197	189	195	251	253	259	266	285	260
Cerro Gordo	600	591	587	592	600	621	686	657	623	625	656	725	679	709	714	720	728
Cherokee	115	134	157	141	158	153	200	177	169	166	211	199	207	229	231	245	238
Chickasaw	123	152	169	179	166	166	199	182	170	154	201	177	224	224	265	260	258
Clarke	87	102	82	81	105	105	106	121	112	114	109	116	104	112	136	122	126
Clay	188	206	219	190	235	258	239	260	222	237	243	270	260	305	357	314	347
Clayton	176	206	207	242	228	254	242	262	234	250	256	298	282	306	327	364	343
Clinton	602	657	645	680	680	685	685	674	676	689	707	753	788	775	855	882	920
Crawford	232	178	176	208	196	205	228	204	256	277	247	263	256	323	294	300	321
Dallas	501	477	440	425	422	426	409	445	384	423	391	402	454	461	428	432	466
Davis	128	94	127	118	107	127	128	116	115	110	124	134	128	148	137	149	149
Decatur	97	97	113	88	88	94	91	99	98	110	95	106	112	107	136	125	129
Delaware	233	213	268	262	261	271	285	264	290	284	281	320	311	341	362	331	401
Des Moines	565	523	524	558	568	580	568	582	560	540	518	670	650	657	670	742	767
Dickinson	148	137	148	127	152	163	160	158	147	175	165	177	195	178	227	199	229
Dubuque	1197	1188	1176	1252	1168	1231	1260	1184	1192	1253	1199	1278	1362	1375	1447	1542	1584
Emmet	134	108	109	141	135	155	134	121	139	144	139	159	160	196	200	214	227
Fayette	249	271	302	255	278	295	289	279	297	263	278	298	357	362	404	380	405

Table 1. Births in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	194	203	186	200	204	221	219	220	197	208	213	236	241	285	250	276	259
Franklin	126	116	133	120	126	130	124	132	136	139	148	173	193	165	176	191	195
Fremont	60	85	79	90	103	107	100	98	103	103	124	116	117	124	117	132	131
Greene	120	112	108	129	123	124	108	104	117	138	127	147	172	169	165	196	182
Grundy	124	98	111	141	113	136	146	138	142	121	148	143	170	187	167	182	227
Guthrie	130	121	126	105	155	138	122	111	117	104	115	119	156	144	149	160	179
Hamilton	182	193	203	193	206	220	209	213	199	198	243	199	254	235	219	259	257
Hancock	121	122	125	125	142	157	164	167	159	165	189	190	212	191	233	217	252
Hardin	216	244	218	204	192	209	213	214	224	218	233	270	283	311	324	318	348
Harrison	173	174	175	179	200	201	187	191	192	225	230	227	217	200	217	221	254
Henry	203	276	239	252	256	237	265	224	248	236	250	238	264	260	270	278	303
Howard	92	118	96	112	126	114	135	126	111	146	141	137	161	163	169	158	184
Humboldt	111	107	118	110	100	104	112	136	143	138	149	163	186	178	189	191	188
Ida	99	73	86	93	94	100	107	150	122	112	118	135	148	146	117	159	148
Iowa	227	192	212	213	196	208	213	236	178	179	215	182	216	217	216	230	229
Jackson	236	261	241	258	258	286	252	255	275	290	282	345	325	349	357	371	370
Jasper	426	416	439	423	455	471	432	461	446	438	418	472	462	440	524	506	530
Jefferson	171	153	172	177	185	186	192	202	208	178	218	222	224	233	209	210	217
Johnson	1272	1258	1288	1337	1359	1358	1406	1297	1330	1285	1278	1326	1306	1254	1299	1350	1276
Jones	224	196	253	235	243	255	251	236	240	216	220	290	262	275	280	272	323
Keokuk	134	145	129	143	147	176	150	152	160	147	137	157	185	185	166	199	223
Kossuth	163	174	196	219	199	226	251	240	245	249	265	262	295	350	344	332	397
Lee	477	479	435	526	540	494	496	492	509	544	526	589	582	596	623	663	693
Linn	2540	2597	2550	2551	2644	2632	2641	2507	2465	2373	2345	2450	2499	2479	2642	2567	2826
Louisa	161	174	161	184	143	148	163	149	141	167	144	145	161	172	178	201	172
Lucas	123	100	129	117	100	111	116	93	111	101	113	110	132	115	164	135	170
Lyon	150	136	165	162	180	156	178	167	183	176	160	183	194	207	214	238	236
Madison	152	159	160	162	155	158	158	167	161	138	140	164	154	150	158	155	197
Mahaska	260	291	272	277	264	300	285	316	295	296	326	318	325	339	342	331	400
Marion	378	363	419	391	412	364	374	398	363	405	368	439	403	434	463	439	449
Marshall	553	516	523	523	471	458	502	488	488	455	520	555	588	622	617	654	673
Mills	177	158	183	159	151	170	136	168	154	173	171	167	192	173	174	212	225
Mitchell	130	129	142	154	126	148	131	127	137	133	147	148	149	173	154	171	196

Table 1. Births in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	98	126	124	106	145	133	114	113	105	110	129	105	140	176	157	161	179
Monroe	97	89	87	119	98	111	116	96	88	107	104	109	122	120	111	135	133
Montgomery	160	161	160	141	165	138	158	150	148	153	136	152	179	189	183	187	205
Muscatine	591	629	626	642	656	676	665	682	615	560	635	632	635	709	754	732	714
O'Brien	190	200	174	191	199	176	184	195	173	184	206	213	235	263	274	287	279
Osceola	79	90	70	81	86	107	94	100	104	87	88	107	105	131	124	127	137
Page	191	174	181	164	166	179	200	220	209	189	183	235	204	226	237	266	270
Palo Alto	98	95	107	109	112	111	95	140	133	122	134	181	162	215	184	214	209
Plymouth	312	316	311	307	317	296	346	310	311	353	376	334	409	415	392	455	427
Pocahontas	68	66	84	88	99	104	124	110	135	109	121	167	150	160	150	149	160
Polk	5782	5455	5458	5460	5560	5494	5367	5545	4998	4987	4956	5087	4909	4974	4969	5093	5087
Pottawattamie	1102	1142	1156	1193	1261	1299	1361	1281	1295	1252	1328	1334	1379	1426	1411	1469	1468
Poweshiek	194	215	211	205	215	237	226	226	203	187	223	220	220	244	254	261	247
Ringgold	43	55	30	38	57	53	44	53	56	60	45	78	84	71	107	80	86
Sac	159	136	126	139	140	125	145	153	142	149	153	177	182	175	183	235	235
Scott	2303	2251	2243	2408	2483	2409	2430	2376	2368	2292	2545	2543	2647	2641	2751	2824	2954
Shelby	115	156	146	163	154	156	182	163	170	172	160	171	237	211	240	189	253
Sioux	376	410	380	437	433	439	434	432	471	457	494	511	519	574	560	584	636
Story	904	856	844	785	878	900	927	874	949	933	944	1035	1039	1075	1010	1054	1055
Tama	230	236	236	225	226	213	215	218	207	233	227	250	260	269	285	259	289
Taylor	75	76	78	70	75	63	92	79	73	86	71	91	102	102	133	119	135
Union	163	154	119	152	149	143	148	166	143	152	167	150	165	190	192	226	212
Van Buren	86	76	104	108	91	98	89	93	123	103	94	107	111	111	117	136	126
Wapello	459	403	428	465	422	481	490	484	420	446	467	468	534	480	564	547	597
Warren	481	481	449	499	516	550	479	499	483	487	466	506	489	485	495	514	551
Washington	327	308	279	273	269	277	307	301	280	298	273	269	307	282	290	293	326
Wayne	64	80	78	71	74	74	83	77	89	75	75	96	94	84	93	105	123
Webster	496	498	525	534	566	563	597	605	589	595	574	631	631	671	733	675	760
Winnebago	144	134	135	121	141	138	148	165	164	152	171	162	170	172	178	162	197
Winneshiek	212	240	242	229	255	252	259	269	272	269	288	287	321	321	309	300	327
Woodbury	1699	1700	1651	1651	1665	1623	1631	1496	1582	1542	1457	1652	1601	1645	1691	1809	1793
Worth	85	89	91	94	91	99	99	107	100	98	103	117	115	110	130	129	127
Wright	172	139	157	156	171	188	214	191	174	177	171	196	203	206	208	220	247
State of Iowa	37130	36790	37057	37805	38459	38925	39330	38916	38070	37866	38748	41182	42360	43247	44716	45918	47797



Table 2. Deaths in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	135	111	127	122	107	111	104	101	103	124	124	103	115	113	104	110	112
Adams	55	75	66	61	56	63	57	70	78	55	61	54	79	66	75	67	75
Allamakee	165	167	167	171	179	165	198	189	170	185	191	182	167	175	163	169	189
Appanoose	194	190	189	200	173	197	179	175	191	197	164	221	183	169	168	196	212
Audubon	100	98	109	107	118	98	88	84	115	94	84	112	74	100	117	102	75
Benton	207	210	201	207	207	222	197	235	250	235	210	219	213	246	207	213	213
Black Hawk	1143	1113	1239	1194	1130	1123	1142	1066	1114	1080	1034	1081	998	1112	1059	1041	1059
Boone	301	307	304	307	266	278	289	279	321	282	268	281	267	286	321	281	290
Bremer	211	235	235	266	216	214	229	211	238	235	223	207	205	188	186	213	227
Buchanan	197	230	204	231	202	180	185	199	204	183	190	180	211	216	218	171	192
Buena Vista	215	210	215	217	196	200	210	253	240	221	210	260	214	253	217	240	246
Butler	177	201	202	195	202	176	169	197	182	191	209	180	183	191	186	160	166
Calhoun	153	181	141	169	185	171	148	202	174	169	157	211	174	168	173	164	186
Carroll	243	219	229	229	233	217	214	202	210	229	190	216	237	244	252	240	238
Cass	202	213	175	180	184	213	206	225	230	198	222	243	217	213	211	189	210
Cedar	172	177	175	157	155	148	176	166	169	169	174	171	175	176	167	177	177
Cerro Gordo	527	539	489	504	490	457	481	463	474	483	470	468	518	446	477	483	467
Cherokee	192	141	158	158	163	166	171	170	164	177	156	184	168	172	171	172	176
Chickasaw	137	161	168	156	124	159	142	132	133	169	149	150	157	141	116	161	159
Clarke	102	106	91	106	103	113	93	109	99	93	87	111	102	96	83	101	106
Clay	165	213	165	182	172	185	158	182	171	189	199	169	180	165	161	171	186
Clayton	220	226	219	214	220	239	201	227	225	232	236	261	239	228	234	217	235
Clinton	565	545	531	548	518	540	559	556	577	502	555	491	546	604	539	580	534
Crawford	181	152	172	179	171	155	170	160	160	172	201	214	190	197	183	201	179
Dallas	301	300	295	274	273	278	287	274	292	304	268	270	265	267	272	259	262
Davis	103	119	91	107	87	103	100	99	96	89	96	108	86	120	105	118	96
Decatur	102	89	113	118	128	134	106	105	98	105	118	121	91	141	136	99	119
Delaware	158	171	149	173	181	144	171	165	160	153	178	176	184	166	186	169	182
Des Moines	454	468	412	428	399	474	456	493	519	438	495	520	442	422	488	405	466
Dickinson	181	179	184	172	149	163	160	161	179	147	145	162	169	156	172	152	135
Dubuque	820	846	871	854	810	841	840	853	796	782	818	801	822	802	798	847	803
Emmet	142	129	133	146	147	130	134	156	122	132	123	143	151	137	137	133	159
Fayette	259	232	255	255	242	266	257	266	275	269	287	295	277	273	288	290	260

Table 2. Deaths in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	215	211	198	220	216	214	203	219	220	178	207	246	182	213	226	198	231
Franklin	135	142	138	145	117	130	120	136	156	157	123	141	151	131	131	135	135
Fremont	122	131	129	115	127	105	104	122	129	143	126	110	131	122	125	122	119
Greene	153	138	104	116	141	143	142	123	159	148	137	159	155	147	135	166	136
Grundy	141	134	122	127	89	134	117	130	148	128	136	139	112	135	147	123	138
Guthrie	146	147	139	145	136	133	142	147	190	165	158	152	153	166	176	149	165
Hamilton	183	186	154	171	183	186	177	194	199	169	173	167	171	195	200	165	162
Hancock	130	153	124	135	132	115	130	111	150	135	125	142	133	144	131	147	159
Hardin	241	225	244	243	267	239	237	231	226	243	263	244	246	230	233	262	243
Harrison	227	189	180	230	200	202	198	177	221	212	173	205	188	190	204	197	205
Henry	188	200	197	233	200	215	169	209	194	219	185	209	197	180	197	179	207
Howard	123	133	132	125	122	118	124	107	129	153	130	144	146	137	133	139	112
Humboldt	130	130	115	141	140	130	135	99	122	113	125	130	133	119	129	113	136
Ida	101	125	109	117	104	117	115	86	115	115	109	103	101	113	104	99	107
Iowa	183	176	164	172	163	155	174	152	169	196	144	162	162	168	178	150	161
Jackson	256	221	221	228	202	241	209	247	225	237	219	229	220	198	220	226	237
Jasper	344	361	381	365	356	374	298	329	361	343	343	329	335	376	310	343	341
Jefferson	159	142	137	166	160	173	153	145	160	162	169	165	171	177	168	168	154
Johnson	492	480	475	455	436	451	429	461	421	452	444	482	444	452	403	392	395
Jones	184	168	170	177	167	202	192	174	194	178	201	184	174	179	172	209	167
Keokuk	145	134	138	137	124	138	165	151	171	152	147	168	169	186	154	189	166
Kossuth	195	222	194	223	196	207	197	189	203	195	206	204	197	220	230	209	217
Lee	435	460	470	463	444	453	398	423	459	435	446	453	387	462	406	458	456
Linn	1333	1358	1361	1356	1230	1274	1237	1288	1288	1269	1307	1245	1181	1287	1222	1227	1271
Louisa	110	122	137	147	113	100	121	103	136	107	119	101	104	109	122	119	110
Lucas	111	112	118	107	122	122	129	139	126	107	114	152	119	125	131	130	115
Lyon	124	133	123	136	116	137	115	128	96	117	137	121	120	120	105	105	134
Madison	138	159	145	143	164	150	156	144	156	141	156	153	143	160	128	140	126
Mahaska	234	224	240	223	220	224	250	243	237	230	261	267	261	248	243	244	233
Marion	330	327	315	308	326	303	329	315	323	276	297	287	308	293	277	297	256
Marshall	522	529	514	497	456	506	485	500	421	458	392	437	417	439	423	412	427
Mills	134	116	123	149	110	129	129	147	123	148	140	138	128	111	144	123	133
Mitchell	146	139	136	157	153	135	148	150	140	166	108	154	161	169	150	138	142

Table 2. Deaths in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	161	156	160	158	162	147	156	143	153	144	149	177	172	167	159	139	143
Monroe	99	111	115	96	118	109	105	137	104	112	127	113	109	125	117	139	116
Montgomery	197	190	145	183	156	176	181	186	178	175	177	165	195	147	173	151	152
Muscatine	329	368	414	380	375	391	357	377	340	383	341	379	389	360	364	359	339
O'Brien	198	194	204	184	192	205	190	182	200	209	159	194	198	195	215	166	198
Osceola	91	93	90	72	77	88	66	78	81	101	97	96	88	99	81	96	105
Page	212	256	215	211	224	236	230	214	235	239	238	256	234	253	243	281	223
Palo Alto	146	131	141	153	124	144	140	139	147	145	140	149	135	149	147	147	148
Plymouth	241	243	213	224	244	225	235	220	215	243	210	246	245	249	244	207	246
Pocahontas	120	108	135	119	127	132	121	132	160	128	114	150	145	131	176	132	169
Polk	2738	2684	2605	2617	2466	2614	2539	2571	2604	2484	2499	2533	2427	2461	2373	2393	2456
Pottawattamie	759	757	790	769	731	754	746	731	829	819	747	802	800	772	752	771	786
Poweshiek	213	198	201	184	204	170	196	195	206	188	199	195	209	175	192	187	192
Ringgold	74	71	88	83	77	74	84	65	71	78	80	88	70	73	74	89	84
Sac	167	162	167	176	155	144	178	177	165	168	172	176	168	178	188	173	147
Scott	1182	1302	1259	1307	1224	1171	1105	1218	1211	1217	1236	1174	1214	1234	1093	1209	1173
Shelby	143	170	169	147	146	153	151	161	163	147	151	155	139	161	146	158	168
Sioux	237	229	244	242	218	218	228	238	255	238	235	278	235	228	234	229	236
Story	418	425	389	420	412	453	415	405	412	411	418	425	357	396	404	361	402
Tama	223	219	229	222	170	216	226	209	176	198	209	232	210	201	187	234	211
Taylor	106	87	99	95	94	115	105	133	98	119	122	98	106	126	127	127	114
Union	166	169	159	163	160	165	167	156	171	175	168	167	166	181	170	174	153
Van Buren	99	99	102	106	97	108	87	118	134	107	116	117	83	123	109	99	119
Wapello	447	452	428	463	418	488	473	459	476	442	506	443	513	488	441	477	498
Warren	339	264	316	285	233	282	283	272	288	242	246	244	261	230	223	217	227
Washington	249	213	245	236	206	243	215	217	212	219	208	235	226	226	186	203	207
Wayne	109	107	119	101	112	102	92	96	104	107	124	138	111	129	97	142	128
Webster	492	490	489	483	482	489	451	459	495	490	448	473	468	486	489	489	472
Winnebago	151	128	137	150	158	151	138	125	150	147	119	139	151	137	134	145	133
Winneshiek	182	188	178	175	159	176	219	183	198	182	221	229	207	224	178	188	179
Woodbury	935	1021	985	982	974	918	939	956	1017	943	940	950	950	970	1013	971	984
Worth	97	120	102	96	94	96	115	86	120	102	108	108	103	108	100	104	93
Wright	191	177	198	210	173	175	178	165	187	181	185	199	189	177	196	209	208
State of Iowa	27800	27962	27651	27951	26580	27306	26815	27147	27851	27213	27021	27810	26972	27509	26852	26930	27096

Table 3. Natural Change in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-74	-31	-34	-48	-2	-24	-2	8	-17	-30	-13	19	-1	2	39	15	54
Adams	-7	-39	-2	-10	-15	1	3	0	-4	8	-6	19	-6	-2	5	-3	19
Allamakee	8	-10	-9	5	20	9	-21	25	31	17	19	37	52	45	74	80	63
Appanoose	-26	-43	-37	-36	1	-27	-13	-9	-24	-35	16	-33	14	25	16	33	29
Audubon	-37	-23	-21	-35	-48	-22	3	-1	-33	1	5	-1	61	20	2	10	76
Benton	57	88	91	101	97	114	121	57	36	48	85	90	115	45	100	136	201
Black Hawk	458	396	366	580	521	609	557	621	514	541	705	866	1095	984	1186	1291	1323
Boone	-2	2	9	-33	23	34	40	30	26	36	27	45	66	61	46	103	105
Bremer	23	14	8	6	43	23	13	45	-5	7	44	90	101	132	181	185	190
Buchanan	89	53	110	46	125	122	117	137	106	142	97	187	170	177	236	277	255
Buena Vista	13	9	28	21	78	65	77	0	62	42	84	54	76	49	96	104	76
Butler	-29	-35	-39	-26	-43	-14	15	-17	7	-12	0	21	59	68	69	76	118
Calhoun	-38	-67	-35	-79	-65	-60	-18	-78	-63	-24	-5	-62	-34	3	23	6	18
Carroll	17	64	40	29	38	61	106	90	102	109	171	157	147	172	132	176	198
Cass	-50	-61	-25	-2	-15	-8	-14	-33	-40	-35	-18	-43	38	15	43	97	31
Cedar	23	27	18	46	42	69	45	58	28	20	21	80	78	83	99	108	83
Cerro Gordo	73	52	98	88	110	164	205	194	149	142	186	257	161	263	237	237	261
Cherokee	-77	-7	-1	-17	-5	-13	29	7	5	-11	55	15	39	57	60	73	62
Chickasaw	-14	-9	1	23	42	7	57	50	37	-15	52	27	67	83	149	99	99
Clarke	-15	-4	-9	-25	2	-8	13	12	13	21	22	5	2	16	53	21	20
Clay	23	-7	54	8	63	73	81	78	51	48	44	101	80	140	196	143	161
Clayton	-44	-20	-12	28	8	15	41	35	9	18	20	37	43	78	93	147	108
Clinton	37	112	114	132	162	145	126	118	99	187	152	262	242	171	316	302	386
Crawford	51	26	4	29	25	50	58	44	96	105	46	49	66	126	111	99	142
Dallas	200	177	145	151	149	148	122	171	92	119	123	132	189	194	156	173	204
Davis	25	-25	36	11	20	24	28	17	19	21	28	26	42	28	32	31	53
Decatur	-5	8	0	-30	-40	-40	-15	-6	0	5	-23	-15	21	-34	0	26	10
Delaware	75	42	119	89	80	127	114	99	130	131	103	144	127	175	176	162	219
Des Moines	111	55	112	130	169	106	112	89	41	102	23	150	208	235	182	337	301
Dickinson	-33	-42	-36	-45	3	0	0	-3	-32	28	20	15	26	22	55	47	94
Dubuque	377	342	305	398	358	390	420	331	396	471	381	477	540	573	649	695	781
Emmet	-8	-21	-24	-5	-12	25	0	-35	17	12	16	16	9	59	63	81	68
Fayette	-10	39	47	0	36	29	32	13	22	-6	-9	3	80	89	116	90	145

Table 3. Natural Change in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-21	-8	-12	-20	-12	7	16	1	-23	30	6	-10	59	72	24	78	28
Franklin	-9	-26	-5	-25	9	0	4	-4	-20	-18	25	32	42	34	45	56	60
Fremont	-62	-46	-50	-25	-24	2	-4	-24	-26	-40	-2	6	-14	2	-8	10	12
Greene	-33	-26	4	13	-18	-19	-34	-19	-42	-10	-10	-12	17	22	30	30	46
Grundy	-17	-36	-11	14	24	2	29	8	-6	-7	12	4	58	52	20	59	89
Guthrie	-16	-26	-13	-40	19	5	-20	-36	-73	-61	-43	-33	3	-22	-27	11	14
Hamilton	-1	7	49	22	23	34	32	19	0	29	70	32	83	40	19	94	95
Hancock	-9	-31	1	-10	10	42	34	56	9	30	64	48	79	47	102	70	93
Hardin	-25	19	-26	-39	-75	-30	-24	-17	-2	-25	-30	26	37	81	91	56	105
Harrison	-54	-15	-5	-51	0	-1	-11	14	-29	13	57	22	29	10	13	24	49
Henry	15	76	42	19	56	22	96	15	54	17	65	29	67	80	73	99	96
Howard	-31	-15	-36	-13	4	-4	11	19	-18	-7	11	-7	15	26	36	19	72
Humboldt	-19	-23	3	-31	-40	-26	-23	37	21	25	24	33	53	59	60	78	52
Ida	-2	-52	-23	-24	-10	-17	-8	64	7	-3	9	32	47	33	13	60	41
Iowa	44	16	48	41	33	53	39	84	9	-17	71	20	54	49	38	80	68
Jackson	-20	40	20	30	56	45	43	8	50	53	63	116	105	151	137	145	133
Jasper	82	55	58	58	99	97	134	132	85	95	75	143	127	64	214	163	189
Jefferson	12	11	35	11	25	13	39	57	48	16	49	57	53	56	41	42	63
Johnson	780	778	813	882	923	907	977	836	909	833	834	844	862	802	896	958	881
Jones	40	28	83	58	76	53	59	62	46	38	19	106	88	96	108	63	156
Keokuk	-11	11	-9	6	23	38	-15	1	-11	-5	-10	-11	16	-1	12	10	57
Kossuth	-32	-48	2	-4	3	19	54	51	42	54	59	58	98	130	114	123	180
Lee	42	19	-35	63	96	41	98	69	50	109	80	136	195	134	217	205	237
Linn	1207	1239	1189	1195	1414	1358	1404	1219	1177	1104	1038	1205	1318	1192	1420	1340	1555
Louisa	51	52	24	37	30	48	42	46	5	60	25	44	57	63	56	82	62
Lucas	12	-12	11	10	-22	-11	-13	-46	-15	-6	-1	-42	13	-10	33	5	55
Lyon	26	3	42	26	64	19	63	39	87	59	23	62	74	87	109	133	102
Madison	14	0	15	19	-9	8	2	23	5	-3	-16	11	11	-10	30	15	71
Mahaska	26	67	32	54	44	76	35	73	58	66	65	51	64	91	99	87	167
Marion	48	36	104	83	86	61	45	83	40	129	71	152	95	141	186	142	193
Marshall	31	-13	9	26	15	-48	17	-12	67	-3	128	118	171	183	194	242	246
Mills	43	42	60	10	41	41	7	21	31	25	31	29	64	62	30	89	92
Mitchell	-16	-10	6	-3	-27	13	-17	-23	-3	-33	39	-6	-12	4	4	33	54

Table 3. Natural Change in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-63	-30	-36	-52	-17	-14	-42	-30	-48	-34	-20	-72	-32	9	-2	22	36
Monroe	-2	-22	-28	23	-20	2	11	-41	-16	-5	-23	-4	13	-5	-6	-4	17
Montgomery	-37	-29	15	-42	9	-38	-23	-36	-30	-22	-41	-13	-16	42	10	36	53
Muscatine	262	261	212	262	281	285	308	305	275	177	294	253	246	349	390	373	375
O'Brien	-8	6	-30	7	7	-29	-6	13	-27	-25	47	19	37	68	59	121	81
Osceola	-12	-3	-20	9	9	19	28	22	23	-14	-9	11	17	32	43	31	32
Page	-21	-82	-34	-47	-58	-57	-30	6	-26	-50	-55	-21	-30	-27	-6	-15	47
Palo Alto	-48	-36	-34	-44	-12	-33	-45	1	-14	-23	-6	32	27	66	37	67	61
Plymouth	71	73	98	83	73	71	111	90	96	110	166	88	164	166	148	248	181
Pocahontas	-52	-42	-51	-31	-28	-28	3	-22	-25	-19	7	17	5	29	-26	17	-9
Polk	3044	2771	2853	2843	3094	2880	2828	2974	2394	2503	2457	2554	2482	2513	2596	2700	2631
Pottawattamie	343	385	366	424	530	545	615	550	466	433	581	532	579	654	659	698	682
Poweshiek	-19	17	10	21	11	67	30	31	-3	-1	24	25	11	69	62	74	55
Ringgold	-31	-16	-58	-45	-20	-21	-40	-12	-15	-18	-35	-10	14	-2	33	-9	2
Sac	-8	-26	-41	-37	-15	-19	-33	-24	-23	-19	-19	1	14	-3	-5	62	88
Scott	1121	949	984	1101	1259	1238	1325	1158	1157	1075	1309	1369	1433	1407	1658	1615	1781
Shelby	-28	-14	-23	16	8	3	31	2	7	25	9	16	98	50	94	31	85
Sioux	139	181	136	195	215	221	206	194	216	219	259	233	284	346	326	355	400
Story	486	431	455	365	466	447	512	469	537	522	526	610	682	679	606	693	653
Tama	7	17	7	3	56	-3	-11	9	31	35	18	18	50	68	98	25	78
Taylor	-31	-11	-21	-25	-19	-52	-13	-54	-25	-33	-51	-7	-4	-24	6	-8	21
Union	-3	-15	-40	-11	-11	-22	-19	10	-28	-23	-1	-17	-1	9	22	52	59
Van Buren	-13	-23	2	2	-6	-10	2	-25	-11	-4	-22	-10	28	-12	8	37	7
Wapello	12	-49	0	2	4	-7	17	25	-56	4	-39	25	21	-8	123	70	99
Warren	142	217	133	214	283	268	196	227	195	245	220	262	228	255	272	297	324
Washington	78	95	34	37	63	34	92	84	68	79	65	34	81	56	104	90	119
Wayne	-45	-27	-41	-30	-38	-28	-9	-19	-15	-32	-49	-42	-17	-45	-4	-37	-5
Webster	4	8	36	51	84	74	146	146	94	105	126	158	163	185	244	186	288
Winnebago	-7	6	-2	-29	-17	-13	10	40	14	5	52	23	19	35	44	17	64
Winneshiek	30	52	64	54	96	76	40	86	74	87	67	58	114	97	131	112	148
Woodbury	764	679	666	669	691	705	692	540	565	599	517	702	651	675	678	838	809
Worth	-12	-31	-11	-2	-3	3	-16	21	-20	-4	-5	9	12	2	30	25	34
Wright	-19	-38	-41	-54	-2	13	36	26	-13	-4	-14	-3	14	29	12	11	39
State of Iowa	9330	8828	9406	9854	11879	11619	12515	11769	10219	10653	11727	13372	15388	15738	17864	18988	20701

each year during the 1980-1996 period (Table 3). But births outnumbered deaths by a smaller margin each year from 1980 through 1988. This trend was reversed from 1988 to 1990 and changed little from 1990 through 1992. In 1993, a substantial decline occurred; there were 9,854 more births than deaths that year, compared with 11,879 in 1992. This narrowing of the difference between total numbers of births and deaths continued through 1995, when 8,828 more were born than died. But this reversed slightly in 1996, when there were 9,330 more births than deaths.

Forty-seven Iowa counties reported natural increases (more births than deaths) in 1996. These increases ranged from less than 50 in 24 counties to more than 100 in 14 others. Three counties (Linn, Polk, Scott) had at least 1,000 more births than deaths in 1996. Two others (Johnson, Woodbury) had natural increases of at least 500 that year.

A majority (52) of Iowa's counties had natural decreases (more deaths than births) in 1996 (Figure 2); this was the first time this occurred. Deaths outnumbered births by at least 50 in Adair, Cass, Cherokee, Fremont, Harrison, Monona, and Pocahontas. In 1980, only two counties (Pocahontas, Wayne) reported more deaths than births (Figure 3).

More than a third (35) of the counties recorded more births than deaths every year from 1980 through 1996. The decline in the magnitude of natural increase was great in some counties, however. In Webster, for example, there were 288 more births than deaths in 1980 but only 4 more in 1996; in Black Hawk, births outnumbered deaths by 1,323 in 1980 and 458 in 1996, a change of nearly 900. Only Wayne had more deaths than births every year, although 26 others had natural decreases occurring in at least 9 of the 17 years examined. Calhoun, Monona, Page, Ringgold, Sac, and Taylor in addition to Wayne reported more deaths than births in at least 13 of the 17 years.

### Concluding Comments

While the number of deaths in Iowa has changed relatively little through the 1980s and 1990s, births have declined substantially. At the beginning of the 1980s, the state and nearly all counties had more births than deaths. More recently, however, there has been an increasing number of counties experiencing more deaths than births. These trends suggest that many counties will continue to have difficulty adding to their populations through natural events.

**Note:** See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on births and deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Figure 1. Births and deaths in Iowa, 1915-1996.

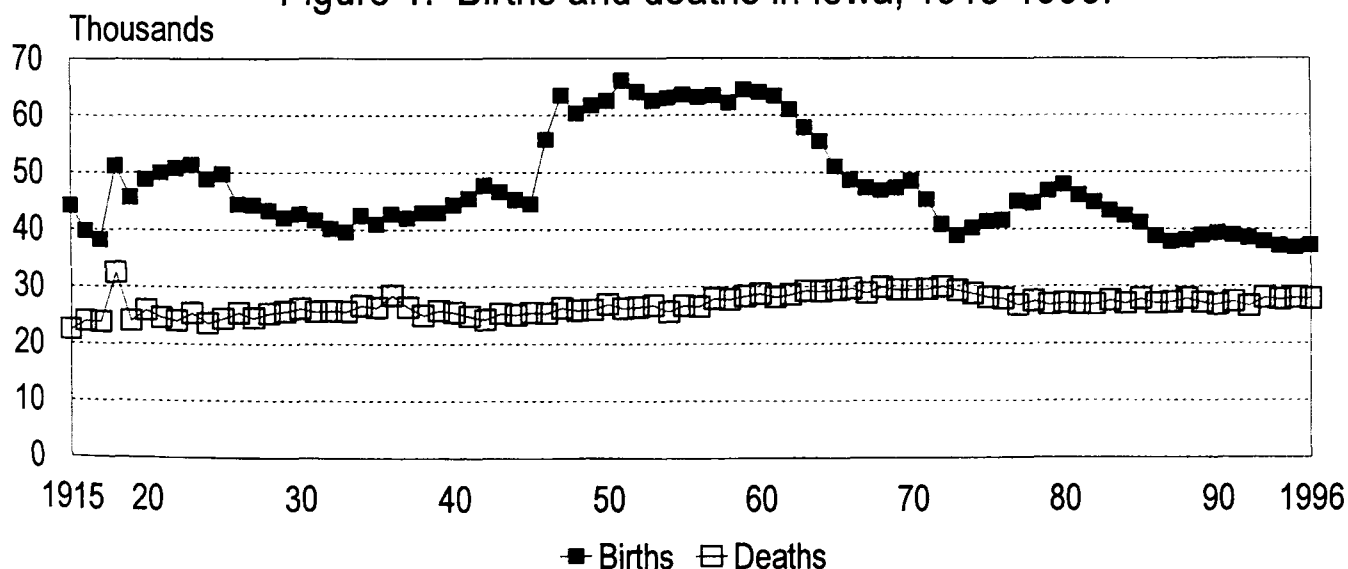


Figure 2. Natural change, 1996.

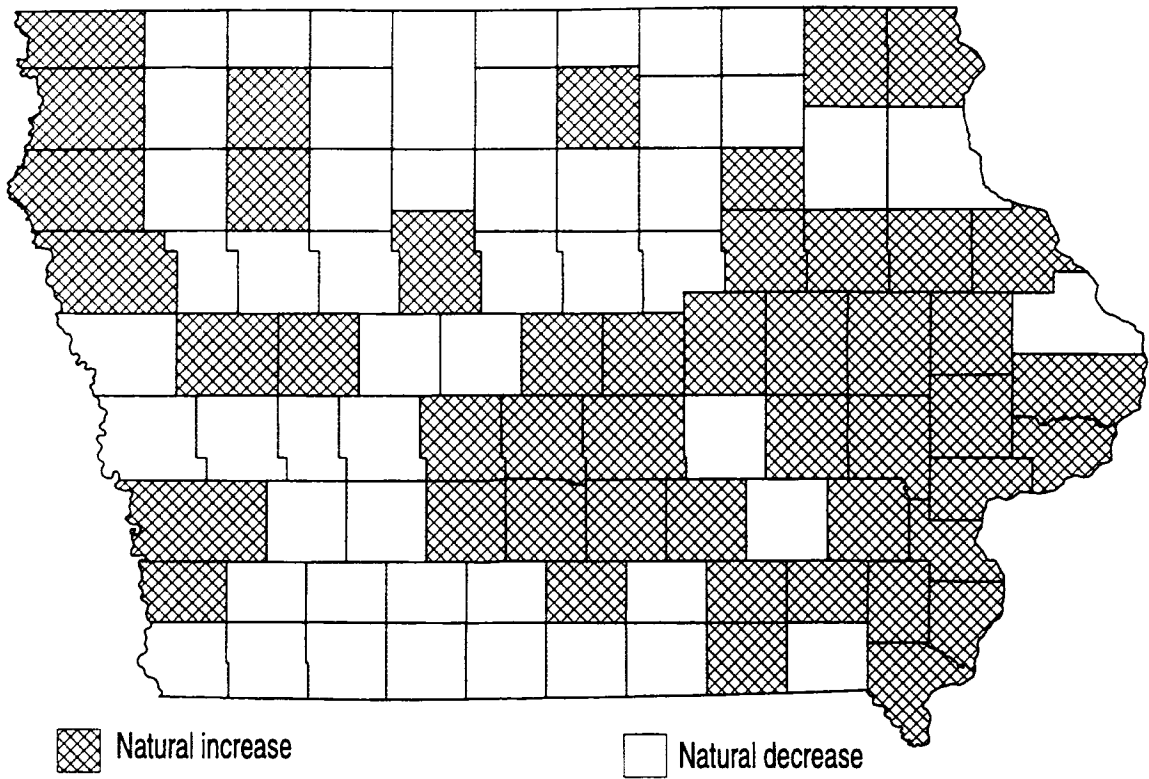
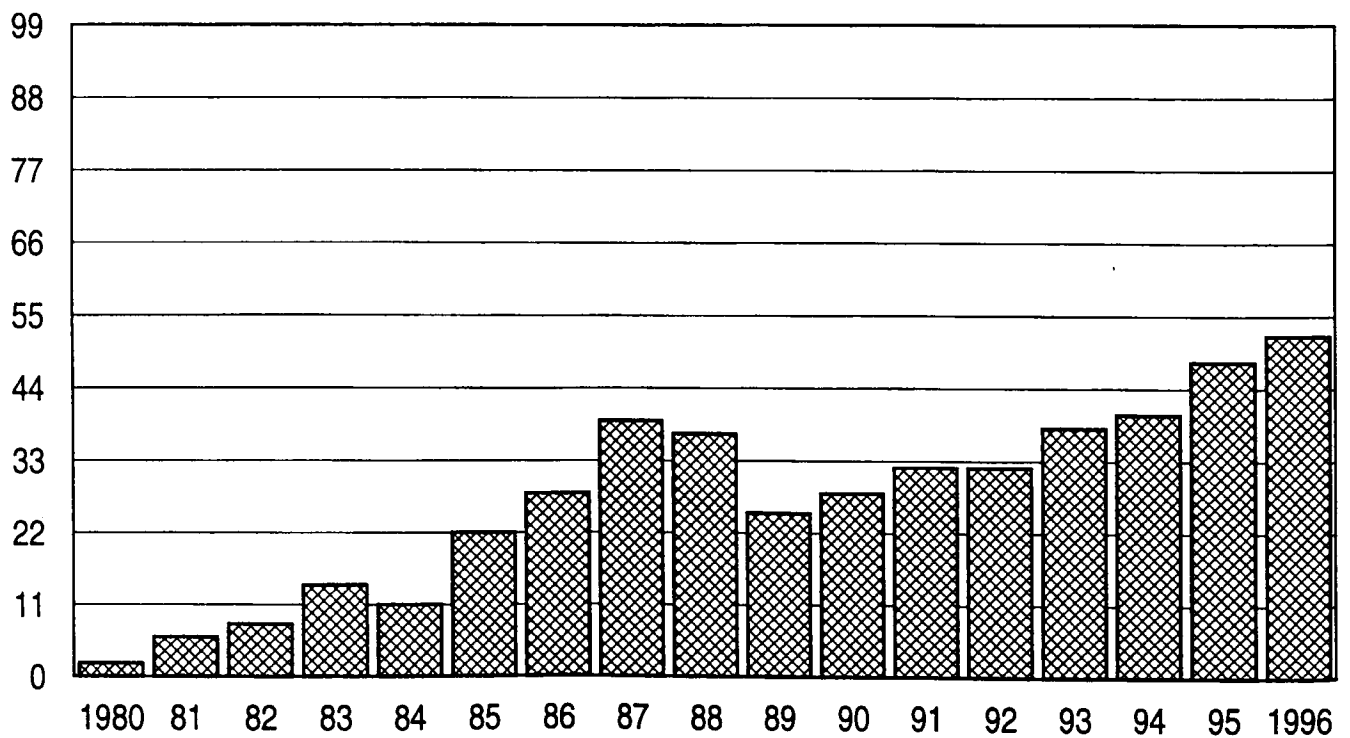


Figure 3. Number of counties with natural decrease in Iowa, 1980-1996.





## Estimated Birth and Death Rates in Iowa's Counties:

### 1980-1996

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Trends in birth and death rates provide indications of basic changes in the population. Differences across geographical units such as states or counties are enhanced when rates are compared. Such rates are calculated by dividing the number of births or deaths by the total population. The result is multiplied by 1,000. Thus, the rates reported in Tables 1 and 2 should be interpreted as the number of births or deaths per 1,000 residents. Caution is urged in examining the 1981-1989 and 1991-1996 rates; they are based on population estimates provided by the U.S. Bureau of the Census.

#### Iowa and National Birth and Death Rates

The birth rate for Iowa has dropped substantially since 1980 (Figure 1). There were at least two more births per 1,000 residents in 1980 (16.4) than in 1986-1996, although the rate was up half a point from 1987 to 1990. From 1990 to 1995, however, the birth rate again declined. It inched upward to 13.0 in 1996 from 12.9 in 1995, which was the first increase since 1989-1990. In the last four years, birth rates were at least three points below that of 1980. The death rate in Iowa has not changed as much; it ranged from 9.3 in 1980-1982 to 10.1 in 1988. The 1996 figure was 9.7 deaths per 1,000 residents. Although Iowa's death rate is somewhat higher than that for the nation (1980, 8.8; 1996, 8.7), the pattern of change has been similar. But the direction of change for birth rates in Iowa and the United States was in marked contrast from 1980 to 1987. Iowa's birth rate declined during much of the 1980s, while it increased in the nation; more recently, however, the country's birth rate began to decline. In 1980, Iowa's birth rate of 16.4 was a half point above that of the nation (15.9); in 1996, however, Iowa's figure of 13.0 was substantially below that of the United States (14.7), although the gap has narrowed the last few years.

#### County Data on Birth and Death Rates

In 1996, 18 counties had birth rates above the state figure of 13.0 (Table 1). Four counties (Davis, Polk, Washington, Woodbury) had rates at least two points above that for Iowa, while another seven (Crawford, Dallas, Iowa, Linn, Marshall, Muscatine, Scott) had rates at least a point above the state average. Of the 78 counties with birth rates below that of the state, 34 fell more than two points under the state level of 13.0; another 19 ranged from 11.0 to 11.9. Sixteen counties had fewer than 10 births for every 1,000 residents in 1995, with Adair the lowest at 7.4.

Death rates in 1996 varied from less than 7.0 (Johnson, Story) to more than 16.0 (Adair, Monona, Montgomery) in Iowa's counties (Table 2). Although only six counties had death rates two points or more below the state average of 9.7, 50 counties reported rates two or more points greater than that for the state. Fourteen counties had rates at least four points higher than did the state. A total of 73 counties had death rates above the state figure.

A fourth (25) of Iowa's 99 counties had higher birth rates in 1996 than in 1986, with the gain at least two points in Montgomery. Among the 72 counties with birth rates in that were lower in 1996 than in 1986, 23 dropped by less than a full point; Adair, Cherokee, Chickasaw, and Fremont, however, reported birth rates in 1996 that were at least four points below those for 1986.

For the most part, death rates changed far less than did birth rates. Fifty-one counties had higher death rates in 1996 than in 1986. But in only six counties were the rates three points higher at the end of

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	7.4	9.7	11.2	8.8	12.5	10.4	12.1	12.9	10.1	11.0	12.8	13.6	12.5	12.5	15.4	13.3	17.5
Adams	10.7	7.9	14.0	11.1	8.8	13.5	12.3	14.0	14.5	12.1	10.6	13.7	13.5	11.7	14.4	11.4	16.4
Allamakee	12.4	11.2	11.4	12.6	14.3	12.6	12.8	15.2	14.2	14.3	14.6	15.0	14.8	14.8	15.9	16.6	16.7
Appanoose	12.3	10.8	11.1	11.8	12.6	12.4	12.1	12.0	12.0	11.5	12.7	13.1	13.4	13.0	12.1	14.9	15.5
Audubon	9.1	10.9	12.7	10.3	9.8	10.5	12.4	11.2	10.9	12.5	11.3	13.7	16.2	14.5	14.2	13.2	17.6
Benton	10.8	12.3	12.3	13.2	13.3	14.9	14.2	13.0	12.8	12.7	13.2	13.7	14.4	12.7	13.2	14.8	17.5
Black Hawk	13.0	12.3	13.0	14.3	13.3	13.9	13.7	13.7	13.3	13.1	13.8	15.0	15.6	15.5	16.4	16.9	17.3
Boone	11.6	12.1	12.4	10.9	11.4	12.3	13.1	12.3	13.8	12.6	11.7	12.8	13.0	13.4	14.1	14.6	15.1
Bremer	10.1	10.7	10.5	11.7	11.2	10.3	10.6	11.3	10.3	10.7	11.5	12.5	12.6	13.0	14.9	16.1	16.8
Buchanan	13.5	13.3	14.7	13.1	15.6	14.4	14.5	16.1	14.9	15.6	13.6	16.8	17.1	17.3	19.8	19.5	19.5
Buena Vista	11.5	11.0	12.1	11.7	13.6	13.3	14.4	12.6	15.0	13.1	14.4	15.3	13.9	14.6	15.0	16.5	15.5
Butler	9.4	10.5	10.4	10.8	10.1	10.2	11.7	11.4	11.8	11.2	12.8	12.0	14.2	15.0	14.6	13.4	16.1
Calhoun	10.0	9.9	9.1	7.8	10.4	9.6	11.3	10.7	9.5	12.3	12.7	12.1	11.0	13.1	14.8	12.7	15.1
Carroll	12.1	13.1	12.5	11.9	12.6	13.0	14.9	13.6	14.4	15.5	16.3	16.6	17.0	18.4	16.9	18.1	19.0
Cass	10.2	10.2	9.9	11.8	11.2	13.6	12.7	12.6	12.4	10.6	12.9	12.2	15.1	13.5	15.0	16.8	14.2
Cedar	10.9	11.5	11.0	11.6	11.1	12.4	12.7	12.9	11.4	10.8	10.9	13.8	13.7	13.9	14.4	15.3	14.0
Cerro Gordo	12.9	12.7	12.6	12.7	12.8	13.2	14.7	14.0	13.2	13.2	13.6	14.9	14.1	14.7	14.8	14.9	15.0
Cherokee	8.5	9.8	11.3	10.1	11.3	10.9	14.2	12.5	11.8	11.4	14.2	13.0	13.2	14.4	14.6	15.2	14.7
Chickasaw	9.1	11.3	12.6	13.4	12.5	12.5	15.0	13.6	12.6	11.2	14.2	12.2	15.0	14.8	17.4	17.0	16.7
Clarke	10.5	12.5	10.0	9.7	12.6	12.7	12.8	14.5	13.3	13.7	13.1	13.8	12.2	13.1	15.6	14.1	14.6
Clay	10.7	11.7	12.4	10.7	13.2	14.6	13.6	14.9	12.9	13.7	13.7	14.7	13.7	15.9	18.6	16.2	17.7
Clayton	9.3	11.0	11.0	12.8	12.1	13.5	12.7	13.6	12.1	12.9	13.0	14.8	13.7	14.9	15.7	17.4	16.3
Clinton	11.9	12.9	12.6	13.3	13.3	13.4	13.4	13.2	13.2	13.3	13.5	14.1	14.5	14.0	15.2	15.6	16.1
Crawford	14.1	10.8	10.7	12.6	11.7	12.3	13.6	12.0	14.6	15.7	13.9	14.3	13.7	17.2	15.6	15.9	17.0
Dallas	14.8	14.5	13.7	13.4	13.6	14.0	13.7	15.2	13.2	14.7	13.5	13.7	15.6	15.7	14.7	14.7	15.8
Davis	15.2	11.0	15.0	14.1	12.9	15.3	15.4	14.0	13.7	12.9	14.3	15.2	14.3	16.5	15.2	16.4	16.4
Decatur	11.8	11.7	13.9	10.9	10.8	11.5	10.9	11.7	11.6	12.9	10.8	11.9	12.3	11.5	14.2	12.8	13.2
Delaware	12.6	11.5	14.6	14.3	14.3	14.9	15.8	14.6	16.1	15.8	15.6	17.3	16.6	18.2	19.3	17.6	21.2
Des Moines	13.3	12.3	12.2	13.0	13.2	13.6	13.3	13.7	13.1	12.6	12.0	15.3	14.7	14.7	14.8	16.1	16.6
Dickinson	9.4	8.8	9.6	8.2	10.0	10.7	10.7	10.6	10.0	11.9	11.1	11.8	12.8	11.7	14.7	12.8	14.7
Dubuque	13.6	13.5	13.4	14.3	13.4	14.2	14.6	13.7	13.6	14.4	13.7	14.3	15.2	15.2	15.7	16.5	16.9
Emmet	12.1	9.6	9.6	12.3	11.6	13.4	11.6	10.5	11.9	12.4	11.7	12.8	12.5	15.3	15.2	16.1	17.0
Fayette	11.3	12.3	13.8	11.6	12.6	13.4	13.2	12.8	13.6	12.0	12.3	12.7	14.8	14.8	16.3	15.2	15.9

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	11.7	12.2	11.1	11.9	12.0	13.1	12.8	12.7	11.3	11.9	11.9	12.7	12.8	15.0	13.1	14.3	13.2
Franklin	11.4	10.5	12.0	10.7	11.3	11.5	10.9	11.6	11.8	11.8	12.2	14.0	15.4	13.0	13.8	14.8	15.0
Fremont	7.6	10.6	9.7	11.1	12.6	13.1	12.2	11.9	12.2	11.9	14.3	13.1	13.0	13.7	12.8	14.3	13.9
Greene	11.9	11.2	10.7	12.7	12.2	12.3	10.8	10.2	11.3	13.1	11.7	13.1	15.0	14.4	14.0	16.4	15.0
Grundy	10.0	8.0	9.1	11.7	9.4	11.4	12.1	11.4	11.6	9.7	11.6	10.8	12.6	13.6	12.0	12.8	15.8
Guthrie	11.4	10.7	11.2	9.4	13.9	12.4	11.2	10.2	10.6	9.4	10.2	10.4	13.4	12.5	12.7	13.5	14.9
Hamilton	11.3	11.9	12.6	12.0	12.8	13.7	13.0	13.1	12.1	11.9	14.4	11.7	14.8	13.5	12.5	14.5	14.4
Hancock	10.0	10.0	10.4	10.3	11.5	12.6	13.0	13.0	12.4	12.8	14.4	14.2	15.7	14.2	17.2	15.9	18.2
Hardin	11.6	13.0	11.7	11.0	10.2	11.0	11.2	11.1	11.6	11.1	11.5	12.9	13.3	14.6	15.0	14.7	16.0
Harrison	11.4	11.5	11.7	12.1	13.6	13.7	12.7	12.9	12.7	14.8	15.0	14.7	13.9	12.7	13.5	13.7	15.5
Henry	10.2	13.9	12.1	12.9	13.1	12.2	13.8	11.8	13.0	12.4	13.2	12.6	14.2	14.0	14.4	14.8	16.0
Howard	9.4	12.1	9.8	11.3	12.7	11.6	13.8	12.7	11.0	14.4	13.7	13.0	14.8	15.1	15.5	14.4	16.6
Humboldt	10.6	10.3	11.3	10.5	9.5	9.7	10.4	12.6	13.2	12.6	13.2	14.0	15.7	14.9	15.8	15.7	15.4
Ida	12.2	8.9	10.3	11.2	11.3	12.1	12.8	17.9	14.6	13.4	13.7	15.4	16.8	16.6	13.4	17.9	16.6
Iowa	14.8	12.6	14.2	14.3	13.3	14.1	14.6	16.1	12.1	12.2	14.4	12.1	14.3	14.4	14.2	14.9	14.8
Jackson	11.8	13.0	11.9	12.8	12.9	14.4	12.6	12.6	13.4	13.9	13.4	16.0	14.9	15.9	16.2	16.6	16.4
Jasper	12.0	11.8	12.5	12.1	13.1	13.6	12.4	13.3	12.8	12.7	12.1	13.6	13.2	12.5	14.7	14.0	14.6
Jefferson	10.1	9.1	10.2	10.6	11.2	11.4	11.8	12.3	12.7	10.9	13.4	13.6	13.7	14.4	12.8	13.1	13.3
Johnson	12.5	12.4	12.8	13.5	13.9	14.0	14.6	13.7	14.4	14.2	14.3	15.0	15.0	14.6	15.3	16.1	15.6
Jones	10.9	9.6	12.7	11.8	12.3	13.0	12.9	12.2	12.5	11.4	11.4	14.8	13.2	13.8	14.0	13.5	15.8
Keokuk	11.6	12.5	11.2	12.3	12.7	15.1	12.9	13.0	13.5	12.4	11.3	12.7	14.8	14.7	13.1	15.6	17.3
Kossuth	9.0	9.6	10.8	12.1	10.9	12.3	13.5	12.7	12.9	13.0	13.5	12.8	14.2	16.7	16.2	15.4	18.1
Lee	12.3	12.2	11.2	13.5	13.8	12.7	12.8	12.7	13.0	13.7	13.0	14.4	14.0	14.2	14.7	15.6	16.1
Linn	14.2	14.6	14.4	14.6	15.3	15.4	15.6	14.9	14.9	14.4	14.3	14.9	15.1	15.0	15.8	15.2	16.6
Louisa	13.4	14.6	13.6	15.6	12.5	12.7	14.1	12.9	12.1	14.4	12.4	12.3	13.4	14.3	14.8	16.5	14.3
Lucas	13.6	11.0	14.3	12.9	11.0	12.2	12.8	10.1	11.9	10.8	11.8	11.3	13.1	11.4	16.0	13.1	16.5
Lyon	12.5	11.4	13.8	13.5	15.0	13.1	14.9	14.0	15.3	14.8	13.2	14.8	15.4	16.2	16.9	18.6	18.3
Madison	11.1	11.8	12.3	12.6	12.1	12.6	12.7	13.5	13.1	11.3	11.4	13.4	12.6	12.2	12.7	12.4	15.6
Mahaska	12.0	13.3	12.5	12.8	12.3	14.0	13.2	14.8	13.7	13.8	15.1	14.6	14.7	15.4	15.4	14.7	17.5
Marion	12.1	11.7	13.6	12.8	13.6	12.1	12.5	13.2	12.1	13.7	12.5	14.9	13.6	14.6	15.5	14.7	15.1
Marshall	14.2	13.3	13.6	13.8	12.5	12.0	13.1	12.7	12.7	11.7	13.1	13.8	14.3	15.0	14.8	15.6	16.2
Mills	12.6	11.4	13.5	11.9	11.3	12.8	10.3	12.7	11.6	13.1	12.9	12.5	14.4	12.9	13.0	15.7	16.8
Mitchell	11.7	11.6	12.8	14.0	11.6	13.5	12.0	11.5	12.3	11.9	13.1	12.9	12.9	14.6	12.9	14.1	15.9

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	9.8	12.6	12.4	10.6	14.5	13.4	11.4	11.1	10.2	10.6	12.3	9.7	12.5	15.4	13.8	14.0	15.3
Monroe	12.0	10.9	10.6	14.6	11.9	13.6	14.3	11.9	10.8	13.0	12.4	12.7	14.0	13.6	12.4	14.8	14.4
Montgomery	13.4	13.5	13.3	11.7	13.9	11.5	13.1	12.4	12.3	12.7	11.0	11.8	13.6	14.4	13.9	14.0	15.3
Muscatine	14.4	15.2	15.2	15.6	16.1	16.7	16.7	17.2	15.5	14.2	15.9	15.6	15.5	17.3	18.2	17.9	17.7
O'Brien	12.6	13.1	11.3	12.4	12.9	11.4	11.9	12.6	11.1	11.8	12.9	13.1	14.1	15.5	16.3	16.9	16.4
Osceola	11.1	12.7	9.8	11.3	11.9	14.7	12.9	13.8	14.1	11.8	11.7	13.8	13.0	16.1	15.3	15.4	16.4
Page	11.4	10.4	10.8	9.9	10.0	10.6	11.9	13.1	12.5	11.1	10.6	13.2	11.2	12.3	12.7	14.1	14.2
Palo Alto	9.7	9.4	10.3	10.4	10.7	10.5	8.9	13.0	12.3	11.1	11.8	15.2	13.3	17.3	14.7	16.9	16.4
Plymouth	12.7	13.1	12.9	12.9	13.4	12.6	14.8	13.2	13.1	15.0	15.9	14.1	17.0	17.1	16.0	18.3	17.3
Pocahontas	7.6	7.2	9.2	9.6	10.6	11.1	13.0	11.3	13.7	10.9	11.7	15.5	13.8	14.6	13.7	13.4	14.1
Polk	16.3	15.5	15.7	15.9	16.4	16.5	16.4	17.2	15.8	15.9	16.0	16.5	16.0	16.3	16.3	16.7	16.8
Pottawattamie	13.0	13.6	13.8	14.3	15.1	15.7	16.5	15.5	15.5	14.9	15.8	15.7	16.1	16.7	16.4	17.0	17.0
Poweshiek	10.2	11.4	11.1	10.9	11.3	12.5	11.9	11.9	10.7	10.0	11.9	11.6	11.7	12.8	13.3	13.5	12.8
Ringgold	8.0	10.3	5.6	7.1	10.6	9.8	8.1	9.7	10.3	11.0	8.1	13.5	14.1	11.8	17.5	13.2	14.1
Sac	13.3	11.3	10.4	11.5	11.5	10.3	11.8	12.4	11.5	11.9	12.0	13.5	13.7	13.0	13.3	16.8	16.6
Scott	14.6	14.4	14.4	15.5	16.0	15.7	16.1	15.8	15.8	15.2	16.7	16.5	16.9	16.8	17.2	17.6	18.5
Shelby	8.8	12.0	11.1	12.4	11.6	11.8	13.8	12.3	12.7	12.8	11.6	12.0	16.1	14.4	16.2	12.7	16.8
Sioux	12.1	13.1	12.1	14.1	14.2	14.6	14.5	14.5	15.7	15.4	16.5	16.8	17.0	18.7	18.3	19.1	20.6
Story	12.1	11.5	11.3	10.5	11.8	12.2	12.5	11.9	12.8	12.7	12.8	14.0	14.2	14.7	14.0	14.5	14.6
Tama	13.0	13.3	13.3	12.8	13.0	12.3	12.3	12.5	11.7	13.1	12.5	13.4	13.7	14.1	14.8	13.4	14.8
Taylor	10.4	10.6	10.9	9.9	10.6	8.9	12.9	11.0	10.1	11.6	9.4	11.6	12.6	12.4	16.0	14.3	16.2
Union	12.9	12.4	9.5	12.1	11.9	11.3	11.6	13.1	11.2	11.8	12.9	11.4	12.2	13.9	14.0	16.3	15.3
Van Buren	11.0	9.8	13.4	13.9	11.8	12.7	11.6	12.1	15.7	13.1	11.8	13.2	13.4	13.2	13.7	15.8	14.6
Wapello	12.8	11.3	11.9	12.9	11.8	13.5	13.7	13.6	11.8	12.3	12.6	12.3	13.8	12.3	14.3	13.7	14.8
Warren	12.2	12.4	11.7	13.2	13.9	15.0	13.3	14.0	13.7	13.9	13.4	14.5	14.1	14.0	14.3	14.7	15.8
Washington	15.8	15.0	13.7	13.4	13.3	13.9	15.7	15.4	14.3	15.3	13.9	13.6	15.5	14.2	14.4	14.5	16.2
Wayne	9.3	11.7	11.3	10.2	10.6	10.5	11.7	10.9	12.6	10.4	10.2	12.8	12.0	10.7	11.7	13.0	15.0
Webster	12.7	12.7	13.3	13.4	14.1	14.0	14.8	14.9	14.5	14.5	13.8	14.8	14.5	15.2	16.3	14.8	16.5
Winnebago	12.0	11.2	11.3	10.2	11.8	11.5	12.2	13.6	13.6	12.6	13.9	12.9	13.5	13.7	14.2	12.8	15.1
Winneshiek	10.1	11.5	11.5	10.9	12.1	12.0	12.4	12.8	12.9	12.8	13.6	13.4	14.8	14.8	14.2	13.7	14.9
Woodbury	16.6	16.6	16.3	16.3	16.6	16.3	16.6	15.3	16.2	15.9	14.9	16.7	16.1	16.5	16.8	17.9	17.8
Worth	10.8	11.3	11.6	11.8	11.5	12.6	12.4	13.2	12.2	12.0	12.1	13.4	13.1	12.4	14.5	14.3	14.0
Wright	12.0	9.7	11.0	11.0	12.0	13.3	15.0	13.3	12.2	12.3	11.5	12.7	12.8	13.1	13.1	13.7	15.1
State of Iowa	13.0	12.9	13.1	13.4	13.7	13.9	14.2	14.0	13.8	13.7	13.9	14.6	14.8	15.1	15.5	15.8	16.4

Table 2. Estimated Death Rates per 1,000 Population in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	16.4	13.4	15.3	14.5	12.7	13.2	12.4	12.0	12.1	14.5	14.3	11.5	12.6	12.3	11.2	11.7	11.8
Adams	12.2	16.5	14.5	13.3	12.0	13.3	11.7	14.0	15.3	10.5	11.7	10.2	14.6	12.0	13.5	11.9	13.1
Allamakee	11.8	11.9	12.0	12.2	12.9	11.9	14.3	13.4	12.0	13.1	13.3	12.4	11.3	11.8	11.0	11.3	12.5
Appanoose	14.2	13.9	13.8	14.4	12.5	14.3	13.0	12.7	13.7	14.0	11.6	15.4	12.5	11.4	11.1	12.8	13.7
Audubon	14.5	14.2	15.7	15.3	16.6	13.5	12.0	11.3	15.3	12.4	10.7	13.8	8.9	12.1	14.0	12.0	8.8
Benton	8.4	8.7	8.5	8.9	9.1	9.8	8.8	10.5	11.2	10.6	9.4	9.7	9.3	10.7	8.9	9.0	9.0
Black Hawk	9.3	9.1	10.0	9.6	9.1	9.0	9.2	8.6	9.1	8.7	8.2	8.3	7.5	8.2	7.7	7.5	7.7
Boone	11.6	12.0	12.0	12.2	10.5	11.0	11.5	11.1	12.7	11.2	10.6	11.0	10.4	11.0	12.3	10.7	11.1
Bremer	9.1	10.1	10.1	11.5	9.4	9.3	10.0	9.3	10.6	10.3	9.6	8.7	8.5	7.7	7.5	8.6	9.1
Buchanan	9.3	10.8	9.6	10.9	9.6	8.6	8.9	9.5	9.8	8.8	9.0	8.3	9.5	9.5	9.5	7.4	8.4
Buena Vista	10.8	10.5	10.7	10.7	9.8	10.0	10.5	12.6	11.9	11.0	10.3	12.6	10.2	12.2	10.4	11.5	11.8
Butler	11.2	12.7	12.8	12.4	12.8	11.1	10.7	12.4	11.4	11.9	12.8	10.7	10.7	11.1	10.7	9.1	9.4
Calhoun	13.3	15.7	12.1	14.7	16.0	14.9	12.9	17.4	14.9	14.4	13.1	17.1	13.6	12.9	13.1	12.2	13.7
Carroll	11.3	10.1	10.6	10.6	10.9	10.1	10.0	9.4	9.7	10.5	8.6	9.6	10.5	10.8	11.1	10.4	10.4
Cass	13.5	14.2	11.6	12.0	12.2	14.2	13.6	14.8	15.0	12.8	14.0	14.8	12.9	12.6	12.5	11.1	12.4
Cedar	9.7	10.0	10.0	9.0	8.8	8.5	10.1	9.6	9.8	9.7	9.8	9.4	9.5	9.5	9.0	9.5	9.5
Cerro Gordo	11.3	11.5	10.5	10.8	10.5	9.7	10.3	9.9	10.0	10.2	9.8	9.6	10.8	9.3	9.9	10.0	9.6
Cherokee	14.2	10.3	11.4	11.4	11.7	11.8	12.1	12.0	11.5	12.2	10.5	12.0	10.7	10.9	10.8	10.7	10.8
Chickasaw	10.2	12.0	12.5	11.7	9.3	12.0	10.7	9.8	9.8	12.3	10.5	10.4	10.5	9.3	7.6	10.5	10.3
Clarke	12.4	13.0	11.1	12.7	12.3	13.7	11.2	13.1	11.8	11.1	10.5	13.2	12.0	11.2	9.5	11.7	12.3
Clay	9.4	12.1	9.3	10.3	9.7	10.5	9.0	10.4	9.9	10.9	11.2	9.2	9.5	8.6	8.4	8.8	9.5
Clayton	11.6	12.0	11.6	11.3	11.7	12.7	10.5	11.8	11.6	12.0	12.0	12.9	11.7	11.1	11.2	10.4	11.1
Clinton	11.2	10.7	10.4	10.7	10.1	10.6	11.0	10.9	11.2	9.7	10.6	9.2	10.0	10.9	9.6	10.2	9.3
Crawford	11.0	9.2	10.4	10.8	10.2	9.3	10.1	9.4	9.2	9.8	11.3	11.7	10.1	10.5	9.7	10.6	9.5
Dallas	8.9	9.1	9.2	8.7	8.8	9.2	9.6	9.3	10.0	10.6	9.3	9.2	9.1	9.1	9.3	8.8	8.9
Davis	12.2	14.0	10.8	12.8	10.5	12.4	12.0	11.9	11.5	10.4	11.0	12.3	9.6	13.3	11.6	13.0	10.5
Decatur	12.4	10.7	13.9	14.6	15.7	16.5	12.7	12.4	11.6	12.3	13.4	13.6	10.0	15.2	14.2	10.2	12.2
Delaware	8.5	9.3	8.1	9.4	9.9	7.9	9.5	9.1	8.9	8.5	9.9	9.5	9.8	8.9	9.9	9.0	9.6
Des Moines	10.7	11.0	9.6	10.0	9.3	11.1	10.7	11.6	12.1	10.2	11.5	11.9	10.0	9.4	10.7	8.8	10.1
Dickinson	11.5	11.5	11.9	11.2	9.8	10.7	10.7	10.8	12.2	10.0	9.8	10.8	11.1	10.2	11.2	9.8	8.6
Dubuque	9.3	9.6	9.9	9.7	9.3	9.7	9.7	9.8	9.1	9.0	9.3	9.0	9.2	8.9	8.7	9.1	8.6
Emmet	12.8	11.5	11.8	12.8	12.7	11.2	11.6	13.5	10.4	11.3	10.3	11.5	11.8	10.7	10.4	10.0	11.9
Fayette	11.7	10.5	11.6	11.6	11.0	12.1	11.8	12.2	12.6	12.2	12.7	12.6	11.5	11.2	11.6	11.6	10.2

Table 2. Estimated Death Rates per 1,000 Population in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	13.0	12.7	11.8	13.1	12.7	12.7	11.9	12.7	12.6	10.1	11.6	13.3	9.7	11.2	11.8	10.2	11.8
Franklin	12.3	12.9	12.5	12.9	10.5	11.5	10.6	11.9	13.5	13.3	10.2	11.4	12.1	10.3	10.2	10.5	10.4
Fremont	15.4	16.3	15.8	14.1	15.5	12.9	12.6	14.8	15.3	16.5	14.5	12.5	14.5	13.5	13.6	13.2	12.7
Greene	15.1	13.8	10.3	11.4	14.0	14.2	14.1	12.1	15.4	14.1	12.7	14.2	13.5	12.6	11.5	13.9	11.2
Grundy	11.4	10.9	10.0	10.5	7.4	11.2	9.7	10.7	12.1	10.3	10.6	10.5	8.3	9.8	10.5	8.7	9.6
Guthrie	12.8	12.9	12.4	12.9	12.2	11.9	13.0	13.5	17.2	14.9	14.0	13.3	13.2	14.4	15.1	12.6	13.8
Hamilton	11.4	11.4	9.6	10.6	11.3	11.6	11.0	11.9	12.1	10.2	10.3	9.8	9.9	11.2	11.4	9.2	9.1
Hancock	10.7	12.6	10.3	11.1	10.7	9.2	10.3	8.7	11.7	10.5	9.5	10.6	9.9	10.7	9.6	10.8	11.5
Hardin	12.9	12.0	13.1	13.0	14.2	12.6	12.4	12.0	11.7	12.4	13.0	11.7	11.5	10.8	10.8	12.1	11.2
Harrison	14.9	12.5	12.1	15.5	13.6	13.8	13.4	11.9	14.7	14.0	11.3	13.3	12.0	12.0	12.7	12.2	12.5
Henry	9.5	10.1	10.0	11.9	10.2	11.0	8.8	11.0	10.1	11.5	9.8	11.1	10.6	9.7	10.5	9.5	11.0
Howard	12.6	13.6	13.5	12.6	12.3	12.0	12.6	10.8	12.8	15.1	12.6	13.6	13.4	12.7	12.2	12.6	10.1
Humboldt	12.5	12.5	11.0	13.5	13.3	12.2	12.6	9.2	11.2	10.3	11.1	11.2	11.2	10.0	10.8	9.3	11.1
Ida	12.5	15.2	13.1	14.1	12.5	14.1	13.7	10.3	13.8	13.7	12.7	11.8	11.5	12.8	11.9	11.1	12.0
Iowa	11.9	11.6	11.0	11.6	11.0	10.5	11.9	10.4	11.5	13.3	9.7	10.7	10.7	11.1	11.7	9.7	10.4
Jackson	12.8	11.0	11.0	11.3	10.1	12.1	10.5	12.2	10.9	11.4	10.4	10.6	10.1	9.0	10.0	10.1	10.5
Jasper	9.7	10.3	10.8	10.4	10.2	10.8	8.6	9.5	10.4	9.9	9.9	9.5	9.6	10.7	8.7	9.5	9.4
Jefferson	9.4	8.5	8.1	9.9	9.7	10.6	9.4	8.9	9.8	9.9	10.4	10.1	10.4	11.0	10.3	10.4	9.4
Johnson	4.8	4.7	4.7	4.6	4.4	4.7	4.5	4.9	4.5	5.0	5.0	5.4	5.1	5.3	4.8	4.7	4.8
Jones	8.9	8.2	8.5	8.9	8.4	10.3	9.9	9.0	10.1	9.4	10.4	9.4	8.7	9.0	8.6	10.4	8.2
Keokuk	12.5	11.5	12.0	11.8	10.7	11.9	14.2	13.0	14.5	12.8	12.1	13.6	13.5	14.8	12.2	14.8	12.8
Kossuth	10.8	12.2	10.7	12.3	10.8	11.3	10.6	10.0	10.7	10.2	10.5	10.0	9.5	10.5	10.8	9.7	9.9
Lee	11.2	11.8	12.0	11.9	11.4	11.6	10.3	10.9	11.7	11.0	11.1	11.1	9.3	11.0	9.6	10.8	10.6
Linn	7.4	7.6	7.7	7.8	7.1	7.5	7.3	7.7	7.8	7.7	8.0	7.6	7.1	7.8	7.3	7.3	7.5
Louisa	9.2	10.3	11.6	12.5	9.9	8.6	10.4	8.9	11.7	9.2	10.2	8.6	8.7	9.1	10.2	9.8	9.1
Lucas	12.3	12.4	13.1	11.8	13.5	13.4	14.2	15.1	13.5	11.4	11.9	15.6	11.9	12.4	12.7	12.7	11.2
Lyon	10.4	11.2	10.3	11.4	9.7	11.5	9.6	10.7	8.0	9.8	11.3	9.8	9.5	9.4	8.3	8.2	10.4
Madison	10.1	11.8	11.1	11.1	12.8	11.9	12.5	11.6	12.7	11.5	12.7	12.5	11.7	13.0	10.3	11.2	10.0
Mahaska	10.8	10.3	11.0	10.3	10.2	10.4	11.6	11.3	11.0	10.7	12.1	12.2	11.8	11.3	10.9	10.8	10.2
Marion	10.5	10.5	10.2	10.1	10.8	10.0	11.0	10.5	10.8	9.3	10.1	9.7	10.4	9.9	9.3	10.0	8.6
Marshall	13.4	13.6	13.4	13.1	12.1	13.3	12.7	13.1	11.0	11.8	9.9	10.8	10.2	10.6	10.1	9.8	10.3
Mills	9.5	8.4	9.1	11.1	8.2	9.7	9.8	11.1	9.2	11.2	10.6	10.3	9.6	8.3	10.8	9.1	9.9
Mitchell	13.1	12.5	12.3	14.2	14.1	12.4	13.5	13.6	12.6	14.9	9.6	13.5	13.9	14.3	12.6	11.4	11.5

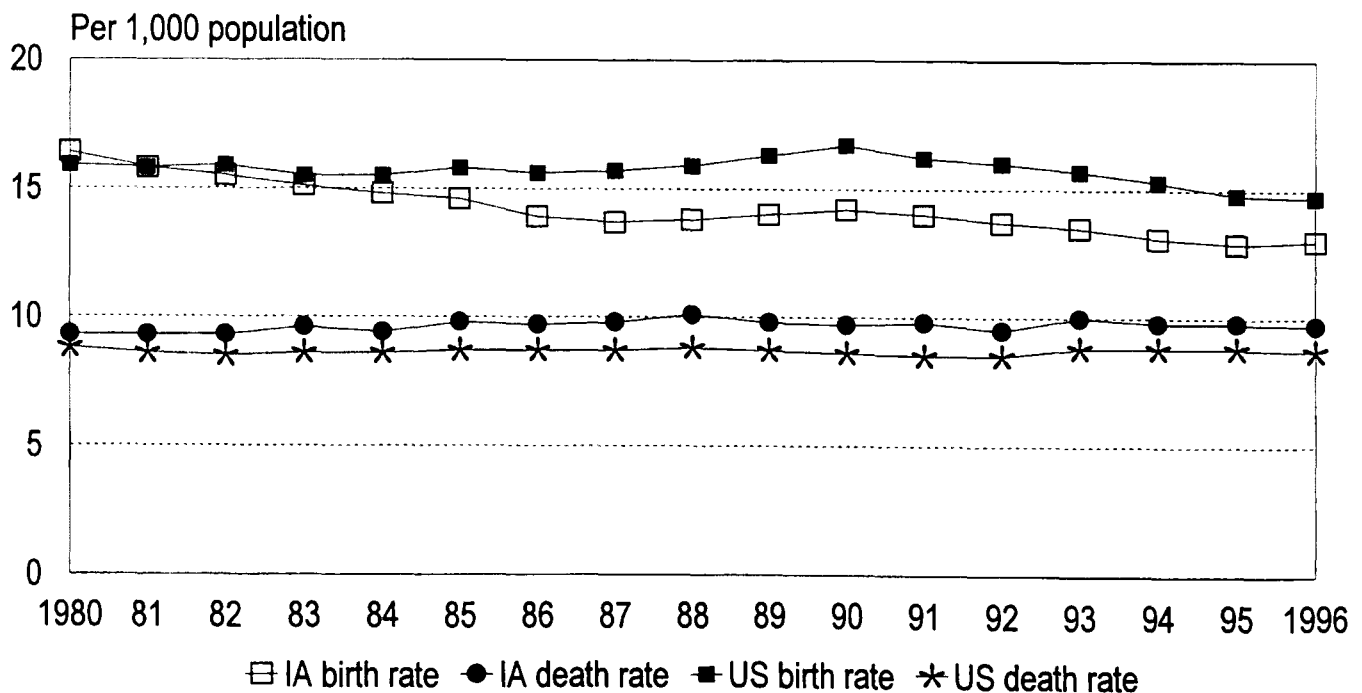
Table 2. Estimated Death Rates per 1,000 Population in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	16.1	15.6	15.9	15.8	16.2	14.8	15.5	14.1	14.9	13.9	14.2	16.3	15.3	14.6	13.9	12.1	12.2
Monroe	12.2	13.5	14.1	11.8	14.4	13.4	12.9	16.9	12.8	13.6	15.2	13.2	12.5	14.1	13.1	15.2	12.6
Montgomery	16.5	15.9	12.1	15.2	13.1	14.7	15.0	15.4	14.8	14.5	14.3	12.9	14.8	11.2	13.2	11.3	11.3
Muscatine	8.0	8.9	10.0	9.2	9.2	9.6	8.9	9.5	8.6	9.7	8.5	9.4	9.5	8.8	8.8	8.8	8.4
O'Brien	13.2	12.7	13.3	11.9	12.4	13.3	12.3	11.7	12.9	13.4	10.0	11.9	11.9	11.5	12.8	9.8	11.7
Osceola	12.8	13.2	12.6	10.0	10.7	12.1	9.1	10.7	11.0	13.7	12.9	12.4	10.9	12.2	10.0	11.6	12.5
Page	12.6	15.3	12.8	12.7	13.4	14.0	13.6	12.7	14.0	14.1	13.8	14.4	12.9	13.8	13.1	14.9	11.7
Palo Alto	14.4	12.9	13.5	14.7	11.8	13.6	13.1	12.9	13.5	13.2	12.3	12.5	11.1	12.0	11.8	11.6	11.6
Plymouth	9.8	10.0	8.8	9.4	10.3	9.6	10.0	9.4	9.1	10.3	8.9	10.4	10.2	10.3	10.0	8.3	9.9
Pocahontas	13.3	11.8	14.8	13.0	13.6	14.1	12.7	13.6	16.2	12.8	11.0	14.0	13.4	12.0	16.0	11.8	14.9
Polk	7.7	7.6	7.5	7.6	7.3	7.9	7.8	8.0	8.2	7.9	8.1	8.2	7.9	8.0	7.8	7.8	8.1
Pottawattamie	8.9	9.0	9.5	9.2	8.8	9.1	9.0	8.8	9.9	9.8	8.9	9.5	9.3	9.0	8.8	8.9	9.1
Poweshiek	11.2	10.5	10.6	9.7	10.8	9.0	10.3	10.2	10.9	10.0	10.6	10.3	11.1	9.2	10.1	9.7	9.9
Ringgold	13.8	13.3	16.5	15.4	14.3	13.7	15.5	11.9	13.1	14.4	14.4	15.2	11.7	12.2	12.1	14.6	13.7
Sac	13.9	13.5	13.8	14.6	12.7	11.8	14.4	14.3	13.3	13.4	13.5	13.5	12.7	13.2	13.7	12.3	10.4
Scott	7.5	8.3	8.1	8.4	7.9	7.6	7.3	8.1	8.1	8.1	8.1	7.6	7.8	7.8	6.8	7.5	7.3
Shelby	10.9	13.0	12.9	11.2	11.0	11.5	11.4	12.1	12.1	10.9	10.9	10.9	9.5	11.0	9.9	10.7	11.2
Sioux	7.6	7.3	7.8	7.8	7.2	7.2	7.6	8.0	8.5	8.0	7.9	9.1	7.7	7.4	7.7	7.5	7.7
Story	5.6	5.7	5.2	5.6	5.5	6.1	5.6	5.5	5.6	5.6	5.6	5.7	4.9	5.4	5.6	5.0	5.6
Tama	12.6	12.3	12.9	12.6	9.7	12.4	13.0	11.9	10.0	11.1	11.5	12.4	11.1	10.6	9.7	12.1	10.8
Taylor	14.8	12.2	13.9	13.4	13.3	16.3	14.8	18.5	13.5	16.1	16.1	12.5	13.1	15.3	15.3	15.3	13.6
Union	13.2	13.6	12.8	13.0	12.7	13.0	13.1	12.3	13.4	13.6	13.0	12.7	12.3	13.3	12.4	12.6	11.0
Van Buren	12.7	12.7	13.2	13.6	12.5	14.0	11.3	15.4	17.1	13.6	14.5	14.4	10.0	14.6	12.8	11.5	13.8
Wapello	12.5	12.7	11.9	12.8	11.6	13.7	13.3	12.9	13.4	12.2	13.6	11.6	13.2	12.5	11.2	11.9	12.4
Warren	8.6	6.8	8.2	7.5	6.3	7.7	7.9	7.6	8.2	6.9	7.0	7.0	7.5	6.6	6.4	6.2	6.5
Washington	12.0	10.4	12.1	11.6	10.2	12.2	11.0	11.1	10.8	11.2	10.6	11.9	11.4	11.4	9.3	10.1	10.3
Wayne	15.9	15.6	17.2	14.5	16.0	14.5	13.0	13.6	14.7	14.8	16.8	18.4	14.2	16.4	12.2	17.6	15.6
Webster	12.6	12.5	12.4	12.1	12.0	12.2	11.2	11.3	12.2	11.9	10.7	11.1	10.8	11.0	10.9	10.7	10.3
Winnebago	12.6	10.7	11.5	12.7	13.3	12.6	11.4	10.3	12.4	12.2	9.7	11.1	12.0	10.9	10.7	11.4	10.2
Winneshiek	8.7	9.0	8.5	8.3	7.6	8.4	10.5	8.7	9.4	8.7	10.5	10.7	9.5	10.3	8.2	8.6	8.2
Woodbury	9.1	10.0	9.7	9.7	9.7	9.2	9.6	9.8	10.4	9.7	9.6	9.6	9.5	9.7	10.1	9.6	9.8
Worth	12.3	15.3	13.0	12.0	11.9	12.2	14.4	10.6	14.7	12.5	12.7	12.4	11.7	12.2	11.2	11.5	10.2
Wright	13.3	12.3	13.9	14.8	12.1	12.4	12.5	11.5	13.1	12.5	12.5	12.9	12.0	11.2	12.4	13.0	12.7
State of Iowa	9.7	9.8	9.8	9.9	9.5	9.8	9.7	9.8	10.1	9.8	9.7	9.8	9.4	9.6	9.3	9.3	9.3

the period than at the beginning. Among the 44 counties where the death rates were lower in 1996 than in 1986, only Madison and Monroe dropped by at least two points.

**Note:** Comparisons of any one year with another must be done with caution, because unusual circumstances could have affected the rates in any single year. Because the population figures used to generate the rates for 1981-1989 and for 1991-1996 are estimates, the birth and death rates reported must be treated as estimates as well. Additional information on births and deaths is reported annually in VITAL STATISTICS FOR IOWA (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319). Data on birth and death rates for the states and the nation also are available annually; the most recent publication is "Annual Summary of Births, Marriages, Divorces, and Deaths: United States, 1996," MONTHLY VITAL STATISTICS REPORT, which is published by the National Center for Health Statistics (U.S. Department of Health and Human Services, 3700 East-West Highway, Hyattsville, MD 20782).

Figure 1. Iowa and U.S. birth and death rates, 1980-1996.





## **Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1983-1996**

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In 1996, there were 37,130 births to Iowans (Table 1). Births to Iowa residents are attributed to the county of residence of the mother. This information is collected annually by the Iowa Department of Public Health. Births in Iowa's counties in 1996 varied from as few as 43 in Ringgold to as many as 5,782 in Polk. Polk had the highest number of births each year in the 1983-1996 period reported in the tables in this section, while either Adams or Ringgold had the lowest.

The state had annual declines in births from 1983 to 1987; these numbers increased from 1987 to 1990, declined again from 1990 to 1995, and increased in 1996. All counties had at least one year of increase during the time period. When 1986 and 1996 were compared, however, 72 counties showed declines (Table 3); Polk's increase of 826 was the only one above 250. Scott, with 242 fewer births in 1996 than in 1986, had the largest decrease, although six other counties declined by at least 100.

### **Out-of-Wedlock Births**

Even though births declined in Iowa between 1986 and 1996, the number of births out of wedlock increased. The total of 9,751 out-of-wedlock births in 1996 was an increase of 67.8 percent from the 5,811 in 1986. The increase of 822 out-of-wedlock births from 1988 to 1989 was the largest annual increase among the years reported. Indeed, nearly all of Iowa's increase in births from 1988 to 1989 (+846) was in the out-of-wedlock category (+822). And the increase in out-of-wedlock births (+717) surpassed the increase in total births (+414) from 1989 to 1990. The decline of 493 total births from 1991 to 1992 stands in contrast to the gain of 406 out-of-wedlock births during that same period. For 1995 to 1996, out-of-wedlock births increased by 493 while total births increased by 340.

In each year from 1983 through 1996, Polk County had the highest number of out-of-wedlock births; Scott was second highest. The eight out-of-wedlock births in Ringgold were the lowest of any county in 1996.

Out-of-wedlock births occurred disproportionately in large, urban counties. In 1986, the five counties (Black Hawk, Linn, Polk, Scott, Woodbury) with the highest number of out-of-wedlock births together accounted for nearly half (49.0%) of such births but only for a third (33.7%) of the total births. In 1996, the same five counties recorded 43.1 percent of the out-of-wedlock births and 37.5 percent of all births.

Other than 1993 to 1994, the number of out-of-wedlock births increased each year in the 1983-1996 period for Iowa. Ninety-six counties had more out-of-wedlock births in 1996 than in 1986 (Table 3). The increases ranged from 1 to 578. For 55 of the 96 counties that gained, the increase was less than 25. Black Hawk, Des Moines, Johnson, Linn, Polk, Pottawattamie, Scott, and Woodbury increased by more than 100. Worth had the same number of out-of-wedlock births in 1986 and 1996, and Clayton (-6) and Fremont (-2) had fewer out-of-wedlock births in 1996 than in 1986.

Because the number of births in Iowa generally was going down at the same time as the number of out-of-wedlock births was going up, the percentage of all births that were out of wedlock rose from 15.0 percent in 1986 to 26.3 percent in 1996 (Table 3, Figure 1). In 1996, the percentage of out-of-wedlock births in the counties ranged from 10.6 percent in Sioux to 38.8 percent in Des Moines County. Twenty-

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1983-1996.

County	1996		1995		1994		1993		1992		1991		1990	
	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births
Adair	61	12	80	13	93	9	74	11	105	17	87	12	102	16
Adams	48	11	36	6	64	13	51	12	41	3	64	13	60	11
Allamakee	173	48	157	42	158	32	176	33	199	28	174	16	177	31
Appanoose	168	43	147	44	152	52	164	48	174	43	170	44	166	40
Audubon	63	14	75	14	88	16	72	6	70	9	76	11	91	5
Benton	264	50	298	61	292	64	308	50	304	60	336	68	318	46
Black Hawk	1601	607	1509	578	1605	580	1774	637	1650	577	1732	561	1699	541
Boone	299	74	309	71	313	61	274	50	288	53	312	51	329	57
Bremer	234	41	249	38	243	37	272	35	259	31	237	34	242	27
Buchanan	286	60	283	61	314	69	277	59	327	59	302	45	302	47
Buena Vista	228	68	219	68	243	66	238	59	274	55	265	54	287	42
Butler	148	30	166	34	163	26	169	32	159	22	162	20	184	25
Calhoun	115	27	114	23	106	21	90	22	120	19	111	18	130	20
Carroll	260	54	283	52	269	51	258	46	271	59	278	47	320	36
Cass	152	35	152	33	150	36	178	35	169	23	205	29	192	26
Cedar	195	39	204	41	193	38	203	35	197	37	217	28	221	37
Cerro Gordo	600	176	591	167	587	159	592	153	600	155	621	162	686	157
Cherokee	115	28	134	38	157	31	141	26	158	30	153	33	200	38
Chickasaw	123	23	152	32	169	29	179	29	166	24	166	24	199	18
Clarke	87	26	102	27	82	27	81	25	105	28	105	25	106	22
Clay	188	59	206	44	219	55	190	45	235	40	258	42	239	32
Clayton	176	29	206	56	207	39	242	46	228	44	254	33	242	43
Clinton	602	204	657	217	645	207	680	207	680	201	685	181	685	183
Crawford	232	63	178	50	176	39	208	55	196	49	205	36	228	49
Dallas	501	100	477	100	440	71	425	85	422	74	426	73	409	77
Davis	128	24	94	12	127	11	118	19	107	16	127	14	128	14
Decatur	97	21	97	31	113	20	88	24	88	22	94	21	91	12
Delaware	233	42	213	45	268	41	262	36	261	33	271	40	285	27
Des Moines	565	219	523	179	524	150	558	166	567	171	580	175	568	161
Dickinson	148	36	137	36	148	27	127	28	152	35	163	20	160	26
Dubuque	1197	240	1188	234	1176	266	1252	263	1168	250	1231	238	1260	211
Emmet	134	44	108	35	109	22	141	33	135	36	155	23	134	31
Fayette	249	76	271	61	302	65	255	53	278	52	295	53	289	45
Floyd	194	58	203	53	186	39	200	51	204	36	221	45	219	48
Franklin	126	31	116	23	133	33	120	22	125	23	130	26	124	22
Fremont	60	14	85	30	79	24	90	27	103	30	107	26	100	17
Greene	120	26	112	22	108	29	129	29	123	25	124	26	108	14
Grundy	124	16	98	19	111	17	141	14	113	14	136	15	146	11
Guthrie	130	27	121	28	126	21	105	25	154	32	138	30	122	25
Hamilton	182	42	193	46	203	38	193	39	206	45	220	42	209	26
Hancock	121	21	122	28	125	20	125	22	142	20	157	26	164	23
Hardin	216	53	244	54	218	43	204	43	192	49	209	26	213	29
Harrison	173	40	174	34	175	36	179	42	200	38	201	34	187	27
Henry	203	51	276	76	239	56	252	62	256	61	237	47	265	50
Howard	92	12	118	22	96	20	112	23	126	19	114	14	135	14
Humboldt	111	20	107	17	118	16	110	22	100	11	104	20	112	16
Ida	99	17	73	11	86	15	93	9	94	18	100	11	107	17
Iowa	227	38	192	32	212	30	213	37	196	29	208	34	213	28
Jackson	236	58	261	66	241	71	258	54	258	58	286	52	252	51
Jasper	426	87	416	83	439	89	423	82	455	88	471	89	432	74

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1983-1996 (continued).

County	1996		1995		1994		1993		1992		1991		1990	
	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births
Jefferson	171	36	153	30	172	33	177	41	185	36	186	30	192	37
Johnson	1272	202	1258	166	1288	162	1337	168	1359	149	1358	156	1406	170
Jones	224	54	196	51	253	61	235	52	243	51	255	27	251	49
Keokuk	134	37	145	31	129	23	143	29	147	24	176	26	150	19
Kossuth	163	29	174	29	196	25	219	33	199	29	226	33	251	35
Lee	477	174	479	154	435	139	526	177	539	167	494	141	496	121
Linn	2540	617	2597	569	2550	652	2551	624	2644	604	2632	561	2641	562
Louisa	161	51	174	54	161	46	184	61	143	42	148	36	163	36
Lucas	123	36	100	31	129	33	117	24	100	17	111	23	116	19
Lyon	150	17	136	11	165	16	162	17	180	13	156	9	178	14
Madison	152	29	159	26	160	24	162	33	155	25	158	25	158	14
Mahaska	260	64	291	61	272	66	277	55	264	53	300	68	285	52
Marion	378	85	363	76	419	71	391	73	412	57	364	51	374	44
Marshall	553	142	516	141	523	150	523	163	471	109	458	115	502	96
Mills	177	47	158	42	183	54	159	49	151	36	170	35	136	22
Mitchell	130	20	129	20	142	19	154	27	126	16	148	18	131	20
Monona	98	35	126	40	124	30	106	20	145	37	133	29	114	21
Monroe	97	22	89	25	87	21	119	21	98	20	111	23	116	25
Montgomery	160	33	161	34	160	50	141	35	165	33	138	28	158	31
Muscatine	591	188	629	191	626	196	642	175	655	179	676	152	665	159
O'Brien	190	40	200	32	174	27	191	35	199	28	176	16	184	19
Osceola	79	12	90	19	70	11	81	12	86	8	107	13	94	10
Page	191	49	174	46	181	59	164	42	166	48	179	39	200	45
Palo Alto	98	19	95	20	107	12	109	26	112	18	111	19	95	13
Plymouth	312	54	316	54	311	50	307	50	317	47	296	60	346	51
Pocahontas	68	21	66	14	84	15	88	23	99	13	104	10	124	17
Polk	5782	1567	5455	1436	5458	1446	5460	1456	5558	1524	5494	1481	5367	1398
Pottawattamie	1102	395	1142	377	1156	399	1193	376	1261	396	1299	392	1361	388
Poweshiek	194	54	215	52	211	55	205	40	215	40	237	45	226	45
Ringgold	43	8	55	10	30	7	38	8	57	11	53	9	44	5
Sac	159	33	136	20	126	30	139	30	140	25	125	20	145	18
Scott	2303	830	2251	779	2243	809	2408	824	2469	838	2409	818	2430	783
Shelby	115	20	156	27	146	27	163	29	154	14	156	17	182	21
Sioux	376	40	410	28	380	37	437	44	433	34	439	36	434	33
Story	904	121	856	108	844	92	785	101	877	103	900	101	927	88
Tama	230	65	236	65	236	61	225	46	225	60	213	56	215	31
Taylor	75	22	76	12	78	12	70	11	75	11	63	10	92	10
Union	163	41	154	46	119	33	152	35	149	40	143	32	148	32
Van Buren	86	11	76	8	104	24	108	24	91	19	98	20	89	14
Wapello	459	143	403	124	428	130	465	132	422	128	481	116	490	137
Warren	481	92	481	81	449	84	499	99	516	107	550	75	479	72
Washington	327	52	308	51	279	55	273	43	269	41	277	27	307	45
Wayne	64	12	80	17	78	13	71	9	74	15	74	11	83	14
Webster	496	171	498	168	525	169	534	168	566	154	563	165	597	159
Winnebago	144	37	134	32	135	25	121	29	139	37	138	22	148	21
Winneshiek	212	37	240	31	242	27	229	32	255	33	252	33	259	34
Woodbury	1699	586	1700	585	1651	540	1651	576	1665	558	1623	552	1631	528
Worth	85	17	89	19	91	15	94	18	91	15	99	16	99	16
Wright	172	50	139	28	157	36	156	35	171	37	188	40	214	31
State of Iowa	37130	9751	36790	9258	37057	9198	37805	9296	38432	9050	38925	8644	39330	8269

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1983-1996 (continued).

County	1989		1988		1987		1986		1985		1984		1983	
	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births
Adair	109	11	86	9	94	9	111	6	122	7	114	4	115	3
Adams	70	13	74	3	63	6	55	2	73	6	73	7	64	6
Allamakee	214	35	201	25	202	40	210	17	219	32	219	21	220	21
Appanoose	166	51	167	36	162	24	180	16	188	33	197	21	194	33
Audubon	83	7	82	5	95	7	89	8	111	13	135	8	120	6
Benton	292	49	286	34	283	29	295	37	309	29	328	23	291	29
Black Hawk	1687	491	1628	482	1621	409	1739	443	1947	444	2093	428	2096	362
Boone	309	47	347	58	318	37	295	38	326	34	333	30	347	25
Bremer	256	24	233	18	242	23	267	18	297	22	306	18	320	9
Buchanan	336	52	310	36	325	42	287	28	367	44	381	45	393	26
Buena Vista	253	25	302	43	263	30	294	19	314	27	290	22	302	20
Butler	180	26	189	25	179	19	209	11	201	10	242	12	259	22
Calhoun	124	22	111	13	145	16	152	9	149	14	140	4	171	18
Carroll	292	32	312	18	338	35	361	32	373	23	384	18	416	32
Cass	192	33	190	22	163	16	204	17	200	14	255	22	228	12
Cedar	224	38	197	23	189	27	195	17	251	25	253	28	259	21
Cerro Gordo	657	144	623	114	625	130	656	91	725	95	679	84	709	79
Cherokee	177	19	169	24	166	17	211	20	199	20	207	23	229	14
Chickasaw	182	26	170	21	154	17	201	22	177	22	224	16	224	15
Clarke	121	22	112	19	114	15	109	10	116	17	104	10	112	11
Clay	260	39	222	28	237	36	243	33	270	22	260	30	305	25
Clayton	262	35	234	33	250	23	256	35	298	25	282	17	306	20
Clinton	674	140	676	151	689	124	707	115	753	88	788	99	775	88
Crawford	204	34	256	37	277	24	247	18	263	38	256	25	323	35
Dallas	445	74	384	55	423	61	391	37	402	42	454	43	461	53
Davis	116	18	115	9	110	9	124	8	134	8	128	11	148	9
Decatur	99	16	98	9	110	16	95	10	106	12	112	7	107	8
Delaware	264	28	290	31	284	32	281	26	320	18	311	12	341	20
Des Moines	582	172	560	115	540	101	518	105	670	107	650	105	657	89
Dickinson	158	19	147	17	175	30	165	19	177	17	195	10	178	25
Dubuque	1184	215	1192	156	1253	166	1199	151	1278	155	1362	170	1375	155
Emmet	121	20	139	19	144	17	139	18	159	21	160	15	196	26
Fayette	279	43	297	25	263	23	278	26	298	31	357	32	362	27
Floyd	220	47	197	33	208	32	213	24	236	36	241	35	285	27
Franklin	132	14	136	18	139	18	148	14	173	15	193	14	165	9
Fremont	98	19	103	20	103	14	124	16	116	17	117	12	124	12
Greene	104	21	117	20	138	19	127	15	147	19	172	15	169	16
Grundy	138	13	142	8	121	10	148	8	143	11	170	11	187	10
Guthrie	111	25	117	11	104	13	115	20	119	10	156	6	144	12
Hamilton	213	33	199	21	198	24	243	24	199	25	254	23	235	19
Hancock	167	19	159	21	165	18	189	13	190	16	212	11	191	16
Hardin	214	33	224	38	218	20	233	24	270	30	283	24	311	26
Harrison	191	40	192	25	225	33	230	25	227	24	217	24	200	22
Henry	224	46	248	30	236	31	250	25	238	27	264	19	260	22
Howard	126	15	111	14	146	10	141	11	137	7	161	14	163	14
Humboldt	136	10	143	14	138	14	149	15	163	16	186	15	178	9
Ida	150	12	122	5	112	9	118	9	135	6	148	11	146	6
Iowa	236	21	178	18	179	12	215	15	182	15	216	12	217	11
Jackson	255	43	275	39	290	29	282	34	345	39	325	27	349	35
Jasper	461	61	446	52	438	60	418	46	472	55	462	44	440	49

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1983-1996 (continued).

County	1989		1988		1987		1986		1985		1984		1983	
	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births
Jefferson	202	31	208	24	178	13	218	22	222	13	224	19	233	15
Johnson	1297	138	1330	117	1285	131	1278	91	1326	97	1306	89	1254	94
Jones	236	35	240	43	216	28	220	25	290	35	262	29	275	28
Keokuk	152	17	160	15	147	19	137	8	157	12	185	15	185	10
Kossuth	240	25	245	19	249	17	265	19	262	21	295	16	350	20
Lee	492	149	509	131	544	128	526	105	589	112	582	97	596	108
Linn	2507	522	2465	482	2373	392	2345	441	2450	366	2499	356	2479	350
Louisa	149	28	141	24	167	28	144	14	145	14	161	16	172	14
Lucas	93	14	111	18	101	10	113	22	110	18	132	18	115	15
Lyon	167	9	183	6	176	9	160	11	183	6	194	6	207	2
Madison	167	28	161	19	138	14	140	15	164	13	154	14	150	15
Mahaska	316	60	295	43	296	54	326	43	318	35	325	36	339	29
Marion	398	51	363	45	405	37	368	28	439	39	403	35	434	39
Marshall	488	92	488	94	455	71	520	70	555	74	588	55	622	69
Mills	168	28	154	41	173	27	171	22	167	27	192	20	173	16
Mitchell	127	15	137	17	133	7	147	10	148	6	149	9	173	13
Monona	113	26	105	18	110	21	129	20	105	9	140	14	176	15
Monroe	96	17	88	7	107	18	104	17	109	14	122	16	120	9
Montgomery	150	29	148	29	153	12	136	11	152	17	179	18	189	16
Muscatine	682	137	615	118	560	99	635	113	632	101	635	103	709	82
O'Brien	195	16	173	18	184	11	206	8	213	18	235	15	263	16
Osceola	100	6	104	9	87	7	88	3	107	3	105	3	131	10
Page	220	41	209	28	189	27	183	27	235	34	204	27	226	27
Palo Alto	140	19	133	15	122	8	134	14	181	10	162	16	215	15
Plymouth	310	40	311	29	353	35	376	32	334	15	409	27	415	18
Pocahontas	110	10	135	12	109	7	121	7	167	3	150	13	160	13
Polk	5545	1302	4998	1145	4987	1085	4956	989	5087	923	4909	833	4974	869
Pottawattamie	1281	327	1295	326	1252	301	1328	282	1334	253	1379	254	1426	259
Poweshiek	226	28	203	30	187	25	223	26	220	15	220	17	244	29
Ringgold	53	4	56	8	60	5	45	3	78	10	84	7	71	2
Sac	153	17	142	16	149	13	153	13	177	13	182	13	175	13
Scott	2376	721	2368	656	2292	575	2545	640	2543	531	2647	515	2641	491
Shelby	163	15	170	13	172	9	160	13	171	7	237	8	211	13
Sioux	432	21	471	20	457	26	494	14	511	18	519	11	574	17
Story	874	62	949	80	933	73	944	64	1035	59	1039	46	1075	50
Tama	218	54	207	34	233	37	227	41	250	42	260	39	269	22
Taylor	79	12	73	5	86	10	71	5	91	7	102	5	102	6
Union	166	28	143	20	152	30	167	27	150	38	165	20	190	21
Van Buren	93	8	123	11	103	10	94	8	107	16	111	7	111	10
Wapello	484	96	420	78	446	94	467	79	468	80	534	91	480	79
Warren	499	68	483	69	487	34	466	42	506	38	489	40	485	42
Washington	301	45	280	29	298	32	273	35	269	25	307	28	282	23
Wayne	77	9	89	16	75	6	75	10	96	3	94	10	84	6
Webster	605	142	589	143	595	106	574	119	631	120	631	129	671	114
Winnebago	165	23	164	16	152	14	171	13	162	7	170	9	172	14
Winneshiek	269	20	272	19	269	12	288	20	287	16	321	21	321	28
Woodbury	1496	425	1582	435	1542	409	1457	334	1652	341	1601	359	1645	318
Worth	107	22	100	14	98	12	103	17	117	10	115	11	110	6
Wright	191	28	174	26	177	18	171	19	196	18	203	23	206	19
State of Iowa	38916	7552	38070	6730	37866	6142	38748	5811	41182	5585	42360	5315	43247	5168

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1983-1996.

County	1996		1995		1994		1993		1992		1991		1990	
	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births
Adair	11	5	8	5	6	5	7	3	8	5	4	2	12	8
Adams	4	4	5	4	7	3	6	2	2	1	3	3	3	3
Allamakee	21	16	20	18	17	12	16	14	13	7	9	6	17	10
Appanoose	24	14	25	17	28	20	28	20	30	15	28	17	29	13
Audubon	6	4	6	3	8	6	2	1	2	1	5	4	6	2
Benton	26	17	29	26	29	23	26	20	23	19	26	18	23	19
Black Hawk	251	224	264	235	264	235	259	226	259	228	257	219	246	198
Boone	27	24	37	29	32	24	23	16	30	20	32	22	26	21
Bremer	13	13	21	16	18	12	14	8	8	5	19	15	15	9
Buchanan	19	16	33	25	34	25	35	24	18	13	21	15	27	17
Buena Vista	27	17	30	22	21	18	29	23	18	14	27	18	30	18
Butler	16	11	16	14	10	9	16	13	15	11	13	7	15	9
Calhoun	10	9	6	4	7	6	6	6	9	7	5	4	4	3
Carroll	25	20	31	26	23	21	22	20	20	18	26	20	15	10
Cass	18	13	19	15	15	11	18	12	20	11	22	11	23	9
Cedar	10	6	15	9	14	11	20	16	17	13	11	9	25	15
Cerro Gordo	61	54	72	63	76	62	65	55	71	59	71	53	76	55
Cherokee	17	11	14	12	6	6	11	9	16	12	15	11	27	18
Chickasaw	17	14	16	13	9	7	7	5	6	6	12	6	15	8
Clarke	14	10	16	8	6	4	12	7	17	11	10	8	12	6
Clay	22	19	23	19	22	19	16	14	11	8	14	10	16	9
Clayton	13	12	24	21	17	15	15	12	16	13	18	12	23	15
Clinton	84	71	85	72	81	68	83	73	80	70	79	59	82	59
Crawford	28	21	24	20	16	14	25	19	18	18	21	12	27	21
Dallas	43	33	33	28	38	30	45	32	30	24	36	26	37	25
Davis	14	12	12	5	9	2	5	3	9	6	6	5	10	4
Decatur	14	10	14	13	24	10	13	6	20	10	12	7	13	4
Delaware	11	10	20	19	21	18	22	17	17	16	20	15	14	10
Des Moines	79	67	73	60	66	51	86	65	79	60	87	66	76	53
Dickinson	13	10	12	9	9	6	5	3	16	13	12	6	17	13
Dubuque	93	80	101	87	94	85	111	93	92	82	100	80	93	67
Emmet	24	22	18	16	12	6	26	17	15	13	19	7	16	11
Fayette	37	28	24	18	42	26	21	11	32	17	28	19	23	17
Floyd	18	17	18	17	24	19	25	18	19	12	25	18	28	19
Franklin	11	8	12	9	18	15	10	5	12	9	15	11	10	7
Fremont	10	6	18	14	7	4	13	10	15	12	16	12	11	10
Greene	8	7	10	9	19	17	16	10	8	6	17	9	9	5
Grundy	8	7	9	6	6	6	9	5	6	4	9	7	5	5
Guthrie	17	14	13	10	11	6	11	9	20	14	14	10	8	5
Hamilton	21	17	21	18	24	16	22	17	21	16	28	20	19	10
Hancock	16	13	15	11	9	8	12	10	6	5	15	10	12	7
Hardin	15	13	22	18	31	27	26	23	19	16	21	12	17	11
Harrison	22	17	18	13	13	12	19	15	14	10	21	10	22	9
Henry	19	15	27	22	32	23	30	23	28	19	25	20	30	19
Howard	5	5	15	13	11	8	10	9	7	4	8	7	6	2
Humboldt	10	6	8	5	8	2	13	8	7	4	13	7	10	5
Ida	10	8	4	3	12	8	10	6	4	4	5	4	9	5
Iowa	13	12	13	11	8	6	11	9	14	10	16	10	12	8
Jackson	35	25	30	22	27	22	31	25	18	17	19	16	30	23
Jasper	40	31	40	28	46	32	35	31	46	32	46	31	38	25

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1983-1996 (continued).

County	1996		1995		1994		1993		1992		1991		1990	
	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births	Teen Births	Out of Wedlock Births
Jefferson	13	8	7	6	10	7	21	12	14	9	14	9	16	8
Johnson	62	46	52	38	59	47	49	37	39	32	51	42	60	45
Jones	26	24	20	16	28	25	21	18	15	13	12	6	20	15
Keokuk	19	16	16	11	11	8	15	9	12	5	20	11	18	7
Kossuth	11	7	13	10	7	5	13	9	16	12	12	8	25	19
Lee	72	62	76	67	67	52	83	62	74	58	62	41	57	37
Linn	240	202	225	190	273	227	242	202	241	210	269	219	246	191
Louisa	22	17	19	12	18	12	19	16	21	14	20	16	16	9
Lucas	17	14	15	11	10	7	14	9	5	2	12	7	16	6
Lyon	8	5	7	3	12	8	6	4	14	6	5	0	8	2
Madison	10	7	15	9	14	10	13	9	15	7	12	5	12	4
Mahaska	31	19	26	19	34	20	27	17	33	22	35	20	29	13
Marion	38	27	38	27	44	33	51	37	33	23	32	17	33	22
Marshall	81	58	65	48	73	57	61	44	53	40	51	42	38	30
Mills	21	19	19	14	30	22	19	15	16	12	18	12	11	4
Mitchell	6	5	11	7	8	7	10	8	12	8	13	7	15	10
Monona	22	16	18	14	14	8	8	4	23	17	24	14	12	6
Monroe	12	9	15	14	14	10	15	7	15	12	15	11	16	11
Montgomery	15	10	20	13	24	15	16	10	20	10	20	11	13	9
Muscatine	96	72	88	64	95	74	83	62	83	56	85	55	89	51
O'Brien	24	17	22	16	20	10	28	23	26	14	11	7	17	10
Osceola	7	6	7	6	8	5	3	3	8	5	7	7	9	6
Page	23	17	21	12	20	17	20	15	25	22	27	16	26	17
Palo Alto	9	9	14	12	9	6	12	8	8	6	16	13	14	8
Plymouth	29	24	19	16	23	22	29	22	22	14	29	19	27	17
Pocahontas	12	9	5	4	10	7	8	8	5	4	6	3	8	5
Polk	600	507	554	470	530	453	596	510	589	498	608	502	577	462
Pottawattamie	148	119	169	136	178	142	167	129	168	128	184	140	191	128
Poweshiek	18	14	22	17	23	20	14	12	20	18	24	17	27	19
Ringgold	3	1	8	5	2	1	7	4	7	4	4	2	1	0
Sac	15	14	11	11	14	12	14	13	10	8	10	9	10	7
Scott	340	303	345	307	334	289	344	305	352	305	363	308	343	280
Shelby	11	8	13	11	18	16	13	9	9	7	6	3	9	7
Sioux	26	14	18	9	31	13	39	25	26	16	27	18	23	11
Story	53	38	40	28	36	25	44	33	41	27	42	25	48	21
Tama	35	29	35	26	27	17	22	17	26	21	28	25	21	13
Taylor	7	5	7	3	10	6	7	5	5	3	9	4	11	5
Union	27	17	24	16	16	12	17	9	13	9	21	12	14	7
Van Buren	6	4	9	2	6	5	9	7	11	10	9	4	13	9
Wapello	80	55	60	43	65	47	73	50	57	35	59	27	75	48
Warren	36	33	35	22	37	27	45	33	55	44	50	32	49	36
Washington	21	12	22	17	27	23	21	15	18	12	20	12	24	20
Wayne	8	5	10	8	8	4	8	6	10	6	11	4	9	6
Webster	67	60	71	62	64	52	65	51	68	50	66	52	63	45
Winnebago	13	9	15	13	12	8	12	9	18	16	7	3	11	10
Winneshiek	16	11	19	17	15	12	9	5	15	13	13	8	14	11
Woodbury	242	190	263	208	242	192	232	195	246	181	234	186	234	186
Worth	7	5	10	8	7	5	10	8	9	6	8	7	10	7
Wright	21	15	12	8	17	14	14	11	13	7	19	12	16	13
State of Iowa	4096	3311	4064	3286	4041	3217	4066	3229	3935	3077	4081	3036	4013	2847

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1983-1996 (continued).

County	1989		1988		1987		1986		1985		1984		1983	
	Teen Out of Teen Wedlock Births	Teen Wedlock Births	Teen Out of Teen Wedlock Births	Teen Wedlock Births	Teen Out of Teen Wedlock Births	Teen Wedlock Births	Teen Out of Teen Wedlock Births	Teen Wedlock Births	Teen Out of Teen Wedlock Births	Teen Wedlock Births	Teen Out of Teen Wedlock Births	Teen Wedlock Births	Teen Out of Teen Wedlock Births	Teen Wedlock Births
Adair	6	6	6	5	8	4	10	3	7	2	9	1	6	0
Adams	8	6	2	0	7	4	3	1	4	2	6	3	7	3
Allamakee	27	18	13	10	23	15	19	8	19	13	21	7	16	9
Appanoose	25	17	20	14	24	12	24	7	23	7	19	8	33	12
Audubon	7	2	9	0	6	3	10	4	5	3	16	4	9	1
Benton	22	15	14	10	28	14	24	14	17	9	33	13	34	12
Black Hawk	226	181	183	149	195	147	204	159	238	174	250	172	228	149
Boone	32	23	35	21	17	8	23	13	30	16	22	10	23	10
Bremer	14	10	14	6	18	9	14	8	27	10	22	9	19	4
Buchanan	26	18	24	18	25	12	30	14	36	18	38	15	35	13
Buena Vista	15	6	29	23	13	9	20	6	19	11	21	5	20	7
Butler	13	10	13	5	10	6	16	6	26	6	16	4	34	11
Calhoun	8	7	6	3	7	5	2	1	10	5	3	1	8	5
Carroll	19	17	10	7	21	15	27	13	20	7	16	4	32	15
Cass	16	12	13	8	8	2	9	4	15	4	29	7	18	4
Cedar	19	12	10	7	16	10	5	3	22	12	29	11	20	8
Cerro Gordo	77	54	62	49	57	41	43	29	57	30	54	31	62	28
Cherokee	10	5	12	8	4	2	7	4	14	6	20	11	17	6
Chickasaw	13	7	10	7	18	9	16	8	16	11	14	6	15	7
Clarke	13	5	21	8	17	6	7	1	10	5	12	4	11	4
Clay	16	11	20	12	19	13	16	11	15	8	17	9	24	13
Clayton	23	15	14	10	26	12	27	15	31	15	29	9	24	7
Clinton	76	53	71	47	68	52	85	49	69	33	89	49	109	56
Crawford	15	10	18	12	17	5	10	5	24	12	24	9	37	19
Dallas	49	30	31	19	37	24	32	14	27	12	32	15	46	22
Davis	9	4	9	2	8	2	6	2	15	5	7	3	26	3
Decatur	7	4	13	5	15	7	10	5	8	3	11	1	9	2
Delaware	20	12	18	10	14	9	18	13	20	10	12	5	12	5
Des Moines	75	54	65	39	64	39	75	41	66	31	71	36	78	38
Dickinson	12	5	9	5	16	9	13	9	11	5	14	1	19	14
Dubuque	106	86	88	58	80	48	88	57	109	65	116	78	122	79
Emmet	14	11	11	8	15	7	19	8	15	7	13	8	20	9
Fayette	31	18	16	8	23	11	24	14	28	13	34	13	27	12
Floyd	25	17	22	13	18	16	29	16	28	14	29	14	37	15
Franklin	11	8	11	7	12	8	11	8	12	5	18	6	7	3
Fremont	18	14	16	9	11	6	11	4	15	8	12	2	14	6
Greene	15	10	12	9	17	11	10	6	13	6	13	5	20	8
Grundy	12	8	5	3	9	4	10	4	12	7	8	1	14	5
Guthrie	15	8	7	3	11	4	7	5	12	5	12	2	20	8
Hamilton	22	13	18	7	24	14	16	7	15	6	26	10	19	6
Hancock	10	9	12	8	9	4	11	6	7	3	13	5	17	8
Hardin	17	12	16	14	17	9	12	5	22	13	20	8	19	7
Harrison	18	8	13	6	25	15	25	9	26	13	25	11	26	10
Henry	28	16	31	15	21	13	25	16	21	14	22	6	17	5
Howard	8	5	9	5	12	4	10	4	6	2	10	4	19	7
Humboldt	4	1	11	8	6	5	13	8	21	10	16	6	14	3
Ida	12	6	2	1	11	6	5	3	8	3	12	6	7	2
Iowa	18	12	9	3	5	3	15	7	13	5	16	7	14	4
Jackson	24	16	23	15	22	12	22	12	34	20	31	11	40	14
Jasper	43	25	42	19	31	21	41	14	56	28	50	19	51	19



Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1983-1996 (continued).

County	1989		1988		1987		1986		1985		1984		1983	
	Teen Out of Teen Wedlock Births Births		Teen Out of Teen Wedlock Births Births		Teen Out of Teen Wedlock Births Births		Teen Out of Teen Wedlock Births Births		Teen Out of Teen Wedlock Births Births		Teen Out of Teen Wedlock Births Births		Teen Out of Teen Wedlock Births Births	
	Births	Births	Births	Births	Births	Births	Births	Births	Births	Births	Births	Births	Births	Births
Jefferson	18	14	13	12	5	3	11	4	12	5	14	7	19	3
Johnson	59	44	42	32	53	41	41	20	54	29	50	22	44	22
Jones	18	10	21	16	9	9	13	6	12	5	30	12	30	10
Keokuk	12	4	20	6	13	8	9	3	9	1	15	4	22	6
Kossuth	19	11	18	8	18	8	16	8	18	13	21	9	22	8
Lee	77	57	60	42	68	49	76	45	85	46	81	39	93	47
Linn	256	188	232	189	242	153	228	163	215	125	219	135	233	141
Louisa	18	8	17	12	22	13	12	5	14	4	19	7	20	6
Lucas	10	3	13	8	14	4	17	7	15	7	19	7	16	4
Lyon	12	5	11	3	9	3	13	5	17	3	11	4	6	0
Madison	18	9	16	6	11	3	15	5	16	9	12	4	15	5
Mahaska	37	17	37	19	25	16	35	20	37	17	25	9	34	14
Marion	35	19	33	20	34	14	26	10	45	17	45	17	43	15
Marshall	52	35	45	34	37	21	43	25	44	22	42	21	66	27
Mills	19	10	22	17	11	9	12	7	19	9	22	6	17	5
Mitchell	11	8	6	5	7	4	6	4	10	3	16	7	20	7
Monona	12	8	8	4	11	6	13	7	8	2	19	7	14	7
Monroe	8	6	11	3	13	8	11	7	11	3	13	5	11	3
Montgomery	21	12	18	13	7	3	12	7	10	6	16	7	19	6
Muscatine	84	50	82	42	72	31	81	42	73	38	92	43	104	32
O'Brien	14	6	11	8	12	6	13	5	9	4	17	4	15	4
Osceola	8	5	7	4	4	2	2	1	4	1	8	2	10	3
Page	38	22	18	10	18	10	20	6	30	13	27	10	30	10
Palo Alto	13	7	8	5	3	1	8	6	7	2	11	4	24	8
Plymouth	31	21	15	8	21	14	32	21	17	8	27	12	19	4
Pocahontas	4	3	4	3	5	3	7	4	5	1	10	4	12	8
Polk	634	481	570	430	561	388	483	317	531	331	491	292	545	335
Pottawattamie	152	106	162	115	150	102	171	111	162	99	188	111	204	103
Poweshiek	19	10	10	5	13	3	22	9	12	5	16	5	29	14
Ringgold	3	1	3	1	4	2	3	1	5	3	8	1	7	1
Sac	13	9	6	4	14	5	10	4	13	4	14	5	11	4
Scott	327	273	288	234	262	212	349	258	302	207	314	212	299	196
Shelby	12	6	9	7	10	5	8	6	5	2	15	6	19	6
Sioux	21	10	31	13	34	17	26	7	27	7	31	7	28	7
Story	35	17	44	20	37	18	46	22	50	18	41	16	56	16
Tama	26	22	14	11	21	13	21	16	29	21	33	19	21	11
Taylor	8	2	6	2	9	4	8	1	4	1	11	1	10	2
Union	19	10	10	5	13	8	11	7	11	8	11	7	22	11
Van Buren	6	1	9	3	8	2	9	3	7	2	11	2	14	4
Wapello	66	34	46	22	62	37	79	35	70	33	72	35	65	28
Warren	41	26	50	30	33	9	33	11	53	19	32	14	39	13
Washington	32	17	20	11	25	14	24	14	21	8	30	10	21	8
Wayne	7	3	16	6	7	2	11	3	10	2	11	2	10	4
Webster	78	58	70	50	70	49	67	47	77	45	79	55	86	51
Winnebago	23	14	11	8	10	5	11	9	14	2	18	5	15	5
Winneshiek	9	8	10	5	14	5	15	7	20	7	16	10	29	9
Woodbury	203	148	199	163	202	156	166	110	210	131	194	131	212	130
Worth	9	5	10	7	5	5	6	4	6	2	5	2	5	2
Wright	21	11	10	9	14	8	7	7	26	9	19	7	24	9
State of Iowa	4017	2786	3540	2428	3507	2237	3567	2135	3835	2091	3993	2048	4284	2091

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1986 and 1996.

County	1996 Births Minus 1986 Births		% of Births Out of Wedlock		1996 Teen Births Minus 1986 Teen Births		% of Teen Births Out of Wedlock		Teen Births as a % of All Births		Teen Out-of-Wedlock Births as a % of All Out-of-Wedlock Births	
	Total	Out of Wedlock	1996	1986	Total	Out of Wedlock	1996	1986	1996	1986	1996	1986
Adair	-50	6	19.7	5.4	1	2	45.5	30.0	18.0	9.0	41.7	50.0
Adams	-7	9	22.9	3.6	1	3	100.0	33.3	8.3	5.5	36.4	50.0
Allamakee	-37	31	27.7	8.1	2	8	76.2	42.1	12.1	9.0	33.3	47.1
Appanoose	-12	27	25.6	8.9	0	7	58.3	29.2	14.3	13.3	32.6	43.8
Audubon	-26	6	22.2	9.0	-4	0	66.7	40.0	9.5	11.2	28.6	50.0
Benton	-31	13	18.9	12.5	2	3	65.4	58.3	9.8	8.1	34.0	37.8
Black Hawk	-138	164	37.9	25.5	47	65	89.2	77.9	15.7	11.7	36.9	35.9
Boone	4	36	24.7	12.9	4	11	88.9	56.5	9.0	7.8	32.4	34.2
Bremer	-33	23	17.5	6.7	-1	5	100.0	57.1	5.6	5.2	31.7	44.4
Buchanan	-1	32	21.0	9.8	-11	2	84.2	46.7	6.6	10.5	26.7	50.0
Buena Vista	-66	49	29.8	6.5	7	11	63.0	30.0	11.8	6.8	25.0	31.6
Butler	-61	19	20.3	5.3	0	5	68.8	37.5	10.8	7.7	36.7	54.5
Calhoun	-37	18	23.5	5.9	8	8	90.0	50.0	8.7	1.3	33.3	11.1
Carroll	-101	22	20.8	8.9	-2	7	80.0	48.1	9.6	7.5	37.0	40.6
Cass	-52	18	23.0	8.3	9	9	72.2	44.4	11.8	4.4	37.1	23.5
Cedar	0	22	20.0	8.7	5	3	60.0	60.0	5.1	2.6	15.4	17.6
Cerro Gordo	-56	85	29.3	13.9	18	25	88.5	67.4	10.2	6.6	30.7	31.9
Cherokee	-96	8	24.3	9.5	10	7	64.7	57.1	14.8	3.3	39.3	20.0
Chickasaw	-78	1	18.7	10.9	1	6	82.4	50.0	13.8	8.0	60.9	36.4
Clarke	-22	16	29.9	9.2	7	9	71.4	14.3	16.1	6.4	38.5	10.0
Clay	-55	26	31.4	13.6	6	8	86.4	68.8	11.7	6.6	32.2	33.3
Clayton	-80	-6	16.5	13.7	-14	-3	92.3	55.6	7.4	10.5	41.4	42.9
Clinton	-105	89	33.9	16.3	-1	22	84.5	57.6	14.0	12.0	34.8	42.6
Crawford	-15	45	27.2	7.3	18	16	75.0	50.0	12.1	4.0	33.3	27.8
Dallas	110	63	20.0	9.5	11	19	76.7	43.8	8.6	8.2	33.0	37.8
Davis	4	16	18.8	6.5	8	10	85.7	33.3	10.9	4.8	50.0	25.0
Decatur	2	11	21.6	10.5	4	5	71.4	50.0	14.4	10.5	47.6	50.0
Delaware	-48	16	18.0	9.3	-7	-3	90.9	72.2	4.7	6.4	23.8	50.0
Des Moines	47	114	38.8	20.3	4	26	84.8	54.7	14.0	14.5	30.6	39.0
Dickinson	-17	17	24.3	11.5	0	1	76.9	69.2	8.8	7.9	27.8	47.4
Dubuque	-2	89	20.1	12.6	5	23	86.0	64.8	7.8	7.3	33.3	37.7
Emmet	-5	26	32.8	12.9	5	14	91.7	42.1	17.9	13.7	50.0	44.4
Fayette	-29	50	30.5	9.4	13	14	75.7	58.3	14.9	8.6	36.8	53.8
Floyd	-19	34	29.9	11.3	-11	1	94.4	55.2	9.3	13.6	29.3	66.7
Franklin	-22	17	24.6	9.5	0	0	72.7	72.7	8.7	7.4	25.8	57.1
Fremont	-64	-2	23.3	12.9	-1	2	60.0	36.4	16.7	8.9	42.9	25.0
Greene	-7	11	21.7	11.8	-2	1	87.5	60.0	6.7	7.9	26.9	40.0
Grundy	-24	8	12.9	5.4	-2	3	87.5	40.0	6.5	6.8	43.8	50.0
Guthrie	15	7	20.8	17.4	10	9	82.4	71.4	13.1	6.1	51.9	25.0
Hamilton	-61	18	23.1	9.9	5	10	81.0	43.8	11.5	6.6	40.5	29.2
Hancock	-68	8	17.4	6.9	5	7	81.3	54.5	13.2	5.8	61.9	46.2
Hardin	-17	29	24.5	10.3	3	8	86.7	41.7	6.9	5.2	24.5	20.8
Harrison	-57	15	23.1	10.9	-3	8	77.3	36.0	12.7	10.9	42.5	36.0
Henry	-47	26	25.1	10.0	-6	-1	78.9	64.0	9.4	10.0	29.4	64.0
Howard	-49	1	13.0	7.8	-5	1	100.0	40.0	5.4	7.1	41.7	36.4
Humboldt	-38	5	18.0	10.1	-3	-2	60.0	61.5	9.0	8.7	30.0	53.3
Ida	-19	8	17.2	7.6	5	5	80.0	60.0	10.1	4.2	47.1	33.3
Iowa	12	23	16.7	7.0	-2	5	92.3	46.7	5.7	7.0	31.6	46.7
Jackson	-46	24	24.6	12.1	13	13	71.4	54.5	14.8	7.8	43.1	35.3
Jasper	8	41	20.4	11.0	-1	17	77.5	34.1	9.4	9.8	35.6	30.4

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1986 and 1996 (continued).

County	1996 Births Minus 1986 Births		% of Births Out of Wedlock		1996 Teen Births Minus 1986 Teen Births		% of Teen Births Out of Wedlock		Teen Births as a % of All Births		Teen Out-of-Wedlock Births as a % of All Out-of-Wedlock Births	
	Total	Out of Wedlock	1996	1986	Total	Out of Wedlock	1996	1986	1996	1986	1996	1986
Jefferson	-47	14	21.1	10.1	2	4	61.5	36.4	7.6	5.0	22.2	18.2
Johnson	-6	111	15.9	7.1	21	26	74.2	48.8	4.9	3.2	22.8	22.0
Jones	4	29	24.1	11.4	13	18	92.3	46.2	11.6	5.9	44.4	24.0
Keokuk	-3	29	27.6	5.8	10	13	84.2	33.3	14.2	6.6	43.2	37.5
Kossuth	-102	10	17.8	7.2	-5	-1	63.6	50.0	6.7	6.0	24.1	42.1
Lee	-49	69	36.5	20.0	-4	17	86.1	59.2	15.1	14.4	35.6	42.9
Linn	195	176	24.3	18.8	12	39	84.2	71.5	9.4	9.7	32.7	37.0
Louisa	17	37	31.7	9.7	10	12	77.3	41.7	13.7	8.3	33.3	35.7
Lucas	10	14	29.3	19.5	0	7	82.4	41.2	13.8	15.0	38.9	31.8
Lyon	-10	6	11.3	6.9	-5	0	62.5	38.5	5.3	8.1	29.4	45.5
Madison	12	14	19.1	10.7	-5	2	70.0	33.3	6.6	10.7	24.1	33.3
Mahaska	-66	21	24.6	13.2	-4	-1	61.3	57.1	11.9	10.7	29.7	46.5
Marion	10	57	22.5	7.6	12	17	71.1	38.5	10.1	7.1	31.8	35.7
Marshall	33	72	25.7	13.5	38	33	71.6	58.1	14.6	8.3	40.8	35.7
Mills	6	25	26.6	12.9	9	12	90.5	58.3	11.9	7.0	40.4	31.8
Mitchell	-17	10	15.4	6.8	0	1	83.3	66.7	4.6	4.1	25.0	40.0
Monona	-31	15	35.7	15.5	9	9	72.7	53.8	22.4	10.1	45.7	35.0
Monroe	-7	5	22.7	16.3	1	2	75.0	63.6	12.4	10.6	40.9	41.2
Montgomery	24	22	20.6	8.1	3	3	66.7	58.3	9.4	8.8	30.3	63.6
Muscatine	-44	75	31.8	17.8	15	30	75.0	51.9	16.2	12.8	38.3	37.2
O'Brien	-16	32	21.1	3.9	11	12	70.8	38.5	12.6	6.3	42.5	62.5
Osceola	-9	9	15.2	3.4	5	5	85.7	50.0	8.9	2.3	50.0	33.3
Page	8	22	25.7	14.8	3	11	73.9	30.0	12.0	10.9	34.7	22.2
Palo Alto	-36	5	19.4	10.4	1	3	100.0	75.0	9.2	6.0	47.4	42.9
Plymouth	-64	22	17.3	8.5	-3	3	82.8	65.6	9.3	8.5	44.4	65.6
Pocahontas	-53	14	30.9	5.8	5	5	75.0	57.1	17.6	5.8	42.9	57.1
Polk	826	578	27.1	20.0	117	190	84.5	65.6	10.4	9.7	32.4	32.1
Pottawattamie	-226	113	35.8	21.2	-23	8	80.4	64.9	13.4	12.9	30.1	39.4
Poweshiek	-29	28	27.8	11.7	-4	5	77.8	40.9	9.3	9.9	25.9	34.6
Ringgold	-2	5	18.6	6.7	0	0	33.3	33.3	7.0	6.7	12.5	33.3
Sac	6	20	20.8	8.5	5	10	93.3	40.0	9.4	6.5	42.4	30.8
Scott	-242	190	36.0	25.1	-9	45	89.1	73.9	14.8	13.7	36.5	40.3
Shelby	-45	7	17.4	8.1	3	2	72.7	75.0	9.6	5.0	40.0	46.2
Sioux	-118	26	10.6	2.8	0	7	53.8	26.9	6.9	5.3	35.0	50.0
Story	-40	57	13.4	6.8	7	16	71.7	47.8	5.9	4.9	31.4	34.4
Tama	3	24	28.3	18.1	14	13	82.9	76.2	15.2	9.3	44.6	39.0
Taylor	4	17	29.3	7.0	-1	4	71.4	12.5	9.3	11.3	22.7	20.0
Union	-4	14	25.2	16.2	16	10	63.0	63.6	16.6	6.6	41.5	25.9
Van Buren	-8	3	12.8	8.5	-3	1	66.7	33.3	7.0	9.6	36.4	37.5
Wapello	-8	64	31.2	16.9	1	20	68.8	44.3	17.4	16.9	38.5	44.3
Warren	15	50	19.1	9.0	3	22	91.7	33.3	7.5	7.1	35.9	26.2
Washington	54	17	15.9	12.8	-3	-2	57.1	58.3	6.4	8.8	23.1	40.0
Wayne	-11	2	18.8	13.3	-3	2	62.5	27.3	12.5	14.7	41.7	30.0
Webster	-78	52	34.5	20.7	0	13	89.6	70.1	13.5	11.7	35.1	39.5
Winnebago	-27	24	25.7	7.6	2	0	69.2	81.8	9.0	6.4	24.3	69.2
Winneshiek	-76	17	17.5	6.9	1	4	68.8	46.7	7.5	5.2	29.7	35.0
Woodbury	242	252	34.5	22.9	76	80	78.5	66.3	14.2	11.4	32.4	32.9
Worth	-18	0	20.0	16.5	1	1	71.4	66.7	8.2	5.8	29.4	23.5
Wright	1	31	29.1	11.1	14	8	71.4	100.0	12.2	4.1	30.0	36.8
State of Iowa	-1618	3940	26.3	15.0	529	1176	80.8	59.9	11.0	9.2	34.0	36.7

nine other counties ranged from 10.0 percent through 19.9 percent. In Black Hawk, Clinton, Des Moines, Lee, Monona, Pottawattamie, Scott, Webster, and Woodbury, at least one of every three (33%) of the 1996 births occurred out of wedlock (Figure 2).

For Iowa, the percentage of births out of wedlock increased each year from 1983 to 1996. Sixty-eight counties had percentages 10 or more points higher in 1996 than in 1986.

### **Births to Teens**

Births to Iowa teens, which include mothers 19 and younger, numbered 4,096 in 1996 (Table 2). Increases occurred from 1987 through 1989 following continuous decreases from 1983 to 1987. Teen births in 1996 were more than 500 higher than the number recorded in 1986. For counties, births to teens in 1996 ranged from 3 in Ringgold to 600 in Polk. Fifty-two counties had fewer than 20 births to teens. In each of the 14 years, Polk had the highest number of teen births, with Scott the second highest. From 1983 through 1996, the county with the lowest number of births to teens recorded six or fewer.

Thirty counties had fewer teen births in 1996 than in 1986 (Table 3); of the remaining 69 counties, nine had the same numbers both years while 60 counties increased. Polk and Woodbury were the only counties with at least 50 more teen births in 1996 than in 1986. The decline of 23 in Pottawattamie was the largest drop. Seventy-three counties reported changes of less than 10 in either direction.

### **Out-of-Wedlock Births to Teens**

Teen births out of wedlock numbered 3,311 in the state in 1996, a number higher than any other year reported. Teen out-of-wedlock births declined from 1983 to 1984, then increased annually from 1984 to 1993, and decreased by 12 between 1993 and 1994 before increasing again (Table 2).

In 1986, teen out-of-wedlock births occurred disproportionately in the larger, urban counties. In that year, six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) had 44.9 percent of all teen births but 52.4 percent of the out-of-wedlock teen births. This changed by 1996; in that year, these six urban counties had 44.4 percent of all births to teens and 46.7 percent of the out-of-wedlock teen births. These 1996 percentages are quite similar, indicating that teens in both the most urban and other counties are opting for out-of-wedlock births at about the same rate.

Between 1986 and 1996, all the counties experienced years when the number of teen out-of-wedlock births increased and other years when the number decreased. Differences between 1986 and 1996 ranged from a decline of 3 in Delaware to a gain of 190 in Polk, the only one greater than 100 (Table 3). Seven counties had fewer teen out-of-wedlock births in 1996 than in 1986, five counties were the same in both years, and 87 counties showed an increase. For 62 of the counties, the change in either direction was less than 10 teen out-of-wedlock births.

The combination of fewer births to teens along with an increase in the number of teen out-of-wedlock births resulted in an increase from 1986 to 1996 in the proportion of teen births in Iowa that were out of wedlock (Table 3, Figure 1). In 1986, 2,135 of 3,567 teen births (59.9%) were out of wedlock. By 1996, 3,311 of 4,096 teen births—more than four of every five (80.8%)—were out of wedlock.

For the counties in 1996, the percentage of teen births that were out of wedlock ranged from less than 60 percent in five counties to 90 percent or more in fourteen others (Figure 3). In 1986, more than half of the births to teens were out of wedlock in 49 counties. In 1996, 97 counties had more than half of their teen births out of wedlock. Six counties (Humboldt, Shelby, Union, Washington, Winnebago, Wright) had a lower percentage of teen births out of wedlock in 1996 than in 1986.

### **Births to Teens Compared with Total Births**

The proportion of the total births that were to teens in 1986 (9.2%) increased slightly to 11.0 percent in 1996 (Table 3). In 1996, the percentages of the total births that were to teens ranged from 4.6 in Mitchell to 22.4 in Monona, the only county greater than 20.0 percent. Although there were year-to-year

variations for all the counties, teen births, as a percentage of all births, were lower in 1996 than in 1986 for 21 counties.

Teens tended to have a much higher percentage of their births out of wedlock than the population overall. In most counties for both 1986 and 1996, the percentage of teen births that were out of wedlock was significantly higher than the percentage of all births that were out of wedlock (Table 3).

For the state, the number of teen out-of-wedlock births remained relatively stable between 1983 and 1987 although they generally increased from 1987 to 1996. From 1986 to 1996, teen out-of-wedlock births increased 55.1 percent. In comparison, the total number of out-of-wedlock births increased slightly faster (67.8%) in the same years. Consequently, teen out-of-wedlock births, which were 36.7 percent of all out-of-wedlock births in 1986, were down to 34.0 percent of all out-of-wedlock births in 1996 (Table 3).

For the counties in 1996, teen out-of-wedlock births, as a proportion of all out-of-wedlock births, ranged from less than 25 percent in 11 counties to 50 percent or more in six others. Sixty counties had a lower proportion of all out-of-wedlock births to teens in 1996 than in 1986 while 39 counties increased.

Figure 1. Percent of births out of wedlock in Iowa, 1980-1996.

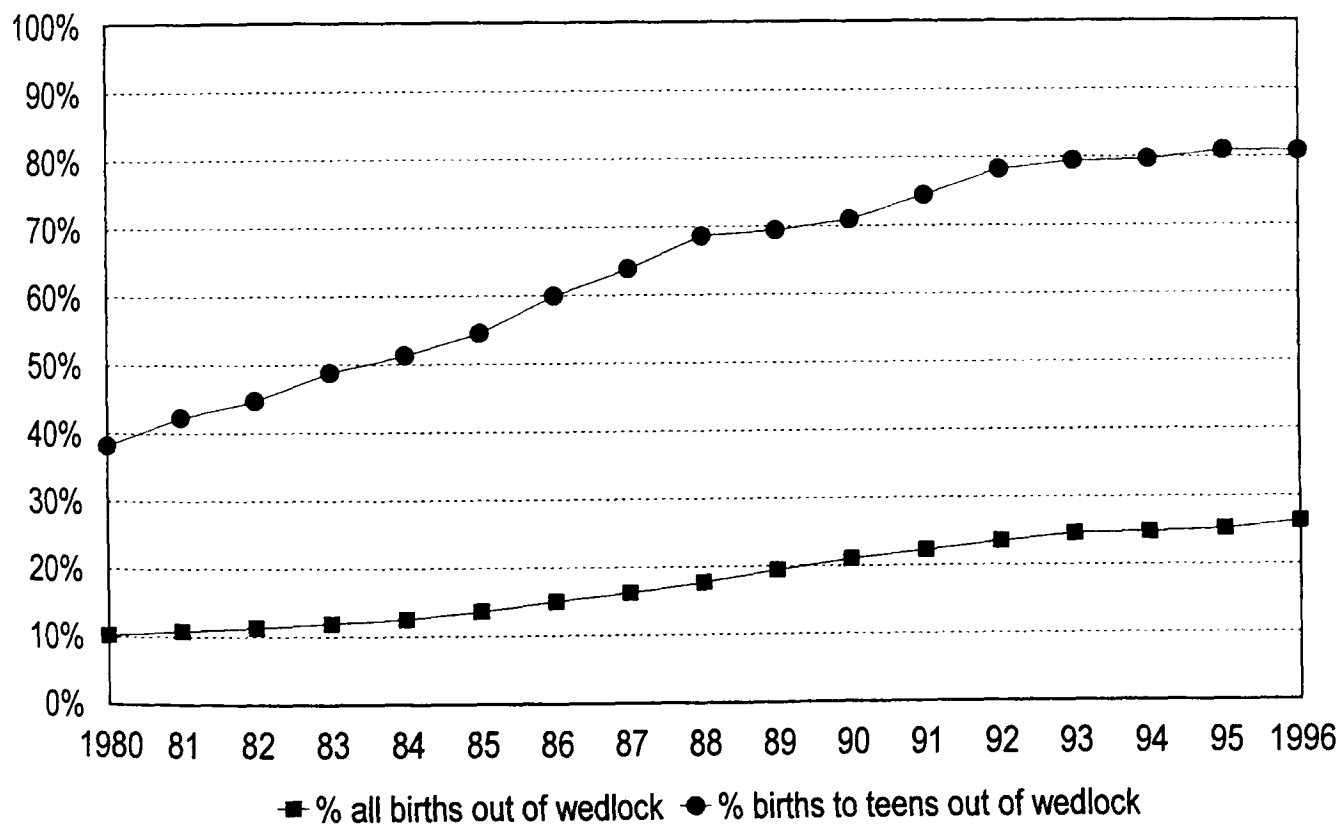


Figure 2. Percent of births out of wedlock, 1996.

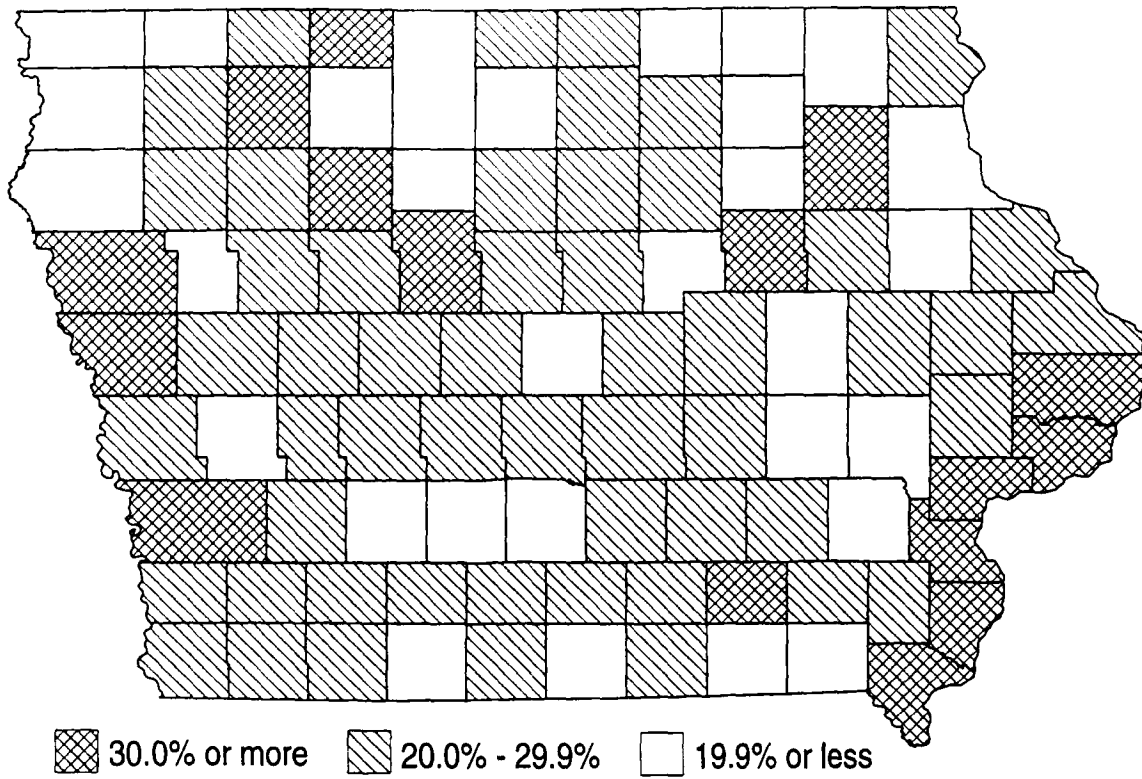
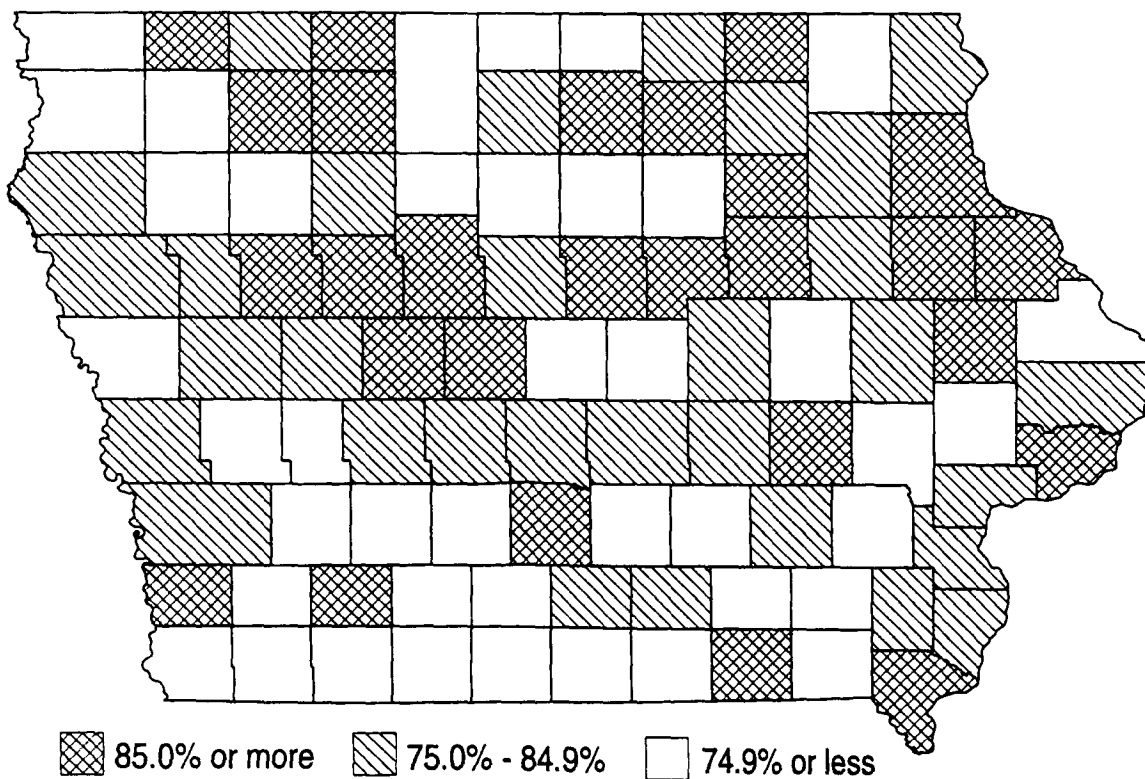


Figure 3. Percent of births to teenage women out of wedlock, 1996.



## Infant Mortality in Iowa's Counties: 1980-1996

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In 1996, 259 infants died before they reached one year of age in the State of Iowa (Table 1), according to records kept by the Iowa Department of Public Health. That was the lowest number during the 1980-1996 period (Figure 1). Declines in the number of infant deaths occurred most years between 1980 and 1993, with declines greater than 50 between 1980 and 1981, 1982 and 1983, and 1985 and 1986. Slight increases occurred more recently, with the 300 noted in 1995 higher than the previous low point recorded in 1993 by 39. Deaths are reported for the county of residence of the deceased.

A total of 5,974 infants died during the 17 years from 1980 through 1996. Polk (924) had the highest number during this period. Ten others (Black Hawk, Dubuque, Johnson, Linn, Muscatine, Pottawattamie, Scott, Story, Webster, Woodbury) each reported at least 100 infant deaths. These 11 counties accounted for more than half (3,276, 54.8%) of the deaths to infants from 1980 through 1996. Twenty counties had 16 or fewer infant deaths during these 17 years, or an average of less than one per year. Fifty-five of the 99 counties counted more than 16 but fewer than 50 infant deaths.

Infant mortality rates are reported as the number of deaths to infants under one year of age for every 1,000 live births (infant deaths divided by live births, with the result multiplied by 1,000). For the entire 17-year period, the infant mortality rate was 8.7 (or 8.7 infant deaths for every 1,000 live births) (Table 2). In 1980, the rate was 11.8; substantial declines occurred through the 1980s and early 1990s, resulting in the rate of 7.0 for 1996 being one of the lowest in the period (Figure 2). When infant deaths and live births were accumulated for the years 1982 through 1986, the infant mortality rate was 9.2; the rate declined to 8.4 for the 1987-1991 period, and it was 7.5 when the data were tallied for 1992 through 1996.

Nearly a third (31) of Iowa's 99 counties had infant mortality rates exceeding the state figure of 8.7 for the 1980-1996 period. Eleven counties reported rates of 10.0 or higher (Figure 3). Four (Emmet, Taylor, Van Buren, Woodbury) had rates of at least 11.0; these were the only counties with rates two points or more above that for the state. Twenty-two counties were more than two points below the state's rate. Osceola's rate was less than half that of the state.

Twenty-three counties matched the state's pattern of declining mortality rates across the three subperiods (1982-1986, 1987-1991, 1992-1996) (Table 2). But 11 others had rates that increased through the three sets of years. Rather large fluctuations occurred in some counties, primarily because of the small numbers of infant deaths or live births even when data for five years were summed. That suggests that great caution should be taken in drawing conclusions from a single year of infant mortality figures in any county.

**Note:** See an annual publication called VITAL STATISTICS OF IOWA for additional data on deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Table 1. Infant Mortality in Iowa Counties, 1980-1996.

County	1980-																	
	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1996
Adair	0	1	1	0	1	1	0	0	0	1	0	1	0	0	1	0	1	8
Adams	1	1	0	0	1	0	0	1	1	0	1	0	2	1	0	1	0	10
Allamakee	1	2	1	3	0	1	0	2	0	1	0	4	0	1	1	2	5	24
Appanoose	1	2	2	2	0	3	3	0	1	3	0	1	4	2	0	1	2	27
Audubon	0	0	1	0	1	2	1	1	0	2	0	0	3	0	3	2	0	16
Benton	0	4	1	4	4	1	0	1	5	1	2	1	2	2	1	5	2	36
Black Hawk	9	8	10	22	14	13	17	14	17	15	11	9	18	21	35	26	34	293
Boone	1	1	5	1	4	2	0	2	4	3	3	4	4	4	3	5	4	50
Bremer	1	0	2	2	1	0	0	2	1	0	5	0	4	0	1	5	4	28
Buchanan	2	5	4	1	2	0	1	2	4	3	1	4	4	6	3	6	6	54
Buena Vista	1	1	1	0	0	0	0	2	2	4	1	0	3	2	5	2	3	27
Butler	0	1	1	1	1	1	1	0	0	2	1	2	2	1	2	4	2	22
Calhoun	0	1	0	1	0	1	0	2	0	0	3	2	3	2	0	3	2	20
Carroll	2	2	3	2	0	0	2	1	2	3	2	1	3	1	5	1	3	33
Cass	0	0	2	0	1	1	1	4	0	1	2	3	4	3	2	3	3	30
Cedar	2	1	1	3	0	3	3	2	0	2	2	1	2	2	1	5	3	33
Cerro Gordo	3	2	2	6	7	2	6	0	3	4	10	4	11	2	5	6	12	85
Cherokee	0	0	0	0	1	0	5	2	2	0	1	1	1	3	2	1	3	22
Chickasaw	0	3	0	1	1	1	0	1	0	3	0	3	1	3	2	1	4	24
Clarke	0	1	0	0	0	1	0	0	3	0	1	0	2	1	4	2	0	15
Clay	1	2	0	0	1	2	0	2	0	7	2	1	3	2	3	3	5	34
Clayton	2	3	1	1	2	3	0	3	3	2	1	3	3	2	1	2	5	37
Clinton	3	5	5	8	3	3	7	3	3	4	5	8	3	2	8	7	8	85
Crawford	1	2	3	1	0	0	1	1	1	1	6	3	1	6	4	7	2	40
Dallas	4	6	2	2	2	4	1	5	3	7	5	3	5	5	4	0	3	61
Davis	1	0	0	1	0	1	0	0	1	0	1	3	0	0	0	2	1	11
Decatur	1	0	3	1	2	0	0	0	1	0	0	0	0	1	0	1	2	12
Delaware	0	1	0	1	0	1	2	1	4	4	5	1	1	3	2	8	4	38
Des Moines	4	3	3	3	6	2	6	1	7	6	5	9	11	4	6	9	13	98
Dickinson	0	0	2	2	4	0	1	2	0	1	2	2	2	1	1	1	3	24
Dubuque	7	12	7	2	6	8	16	6	11	7	11	10	10	13	16	10	18	170
Emmet	1	1	0	0	1	0	1	2	1	1	3	2	0	4	5	3	7	32
Fayette	2	2	1	1	2	3	1	2	4	1	3	2	1	2	4	9	3	43
Floyd	0	1	0	1	2	0	0	0	0	1	0	6	5	2	0	2	2	22
Franklin	1	1	0	1	1	2	1	1	3	0	1	0	1	0	4	3	3	23
Fremont	0	1	1	0	2	0	0	2	0	1	2	1	0	1	1	1	0	13
Greene	1	1	0	1	0	1	1	0	2	0	1	0	1	0	2	4	1	16
Grundy	0	1	2	0	1	1	1	0	1	1	0	1	1	3	0	3	0	16
Guthrie	0	1	2	0	0	2	0	2	0	0	1	1	2	2	2	0	2	17
Hamilton	1	1	2	1	3	1	3	3	0	2	2	0	2	0	3	1	4	29
Hancock	0	0	3	0	1	0	2	2	0	0	1	1	0	4	2	3	9	28
Hardin	1	0	3	0	0	2	2	1	0	2	3	3	4	0	4	1	0	26
Harrison	1	1	0	1	0	1	1	0	0	1	2	5	1	1	2	0	3	20
Henry	3	1	2	4	0	2	0	3	2	2	1	3	0	2	1	1	9	36
Howard	0	0	0	1	0	0	1	0	1	0	2	1	1	2	1	0	3	13
Humboldt	0	1	1	0	0	1	2	1	1	4	0	1	4	0	0	0	1	17
Ida	3	1	3	2	1	1	0	2	0	1	0	1	1	1	2	0	1	20
Iowa	2	1	1	0	0	1	0	5	4	3	2	1	1	4	2	0	4	31
Jackson	0	4	1	2	3	2	1	4	5	1	3	4	2	1	2	4	5	44
Jasper	1	2	4	5	3	4	0	3	3	5	5	6	5	3	4	3	4	60



Table 1. Infant Mortality in Iowa Counties, 1980-1996 (continued).

County	1980-																	1996
	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	
Jefferson	2	2	0	3	3	2	3	1	0	0	0	1	5	0	1	3	1	27
Johnson	9	11	13	3	11	12	13	14	11	9	7	15	10	16	17	13	17	201
Jones	4	4	0	1	0	0	4	0	1	3	2	2	1	0	2	2	2	28
Keokuk	0	0	1	0	1	2	1	0	3	0	3	3	4	1	2	1	1	23
Kossuth	0	3	2	0	2	1	4	0	2	1	1	4	1	4	3	1	5	34
Lee	4	6	6	3	3	8	2	4	3	9	6	3	5	6	11	7	9	95
Linn	23	22	18	19	20	14	26	19	27	19	25	24	17	27	44	22	45	411
Louisa	1	1	0	2	0	1	4	2	2	1	3	0	2	2	3	1	2	27
Lucas	1	0	1	0	1	1	0	3	0	1	0	1	1	0	1	0	0	11
Lyon	0	0	0	2	3	1	1	0	0	0	2	0	1	4	2	1	0	17
Madison	2	0	0	0	0	2	1	0	0	1	1	1	1	1	1	0	3	14
Mahaska	2	0	0	1	2	3	1	3	2	4	1	2	3	3	3	4	1	35
Marion	2	2	2	2	5	4	1	4	3	3	5	3	0	5	3	4	2	50
Marshall	7	5	4	4	0	5	4	2	3	5	6	8	2	4	10	4	7	80
Mills	1	2	1	2	0	0	0	0	2	3	1	1	2	0	2	3	1	21
Mitchell	3	2	0	1	4	1	1	1	0	1	1	1	1	2	0	4	2	25
Monona	0	0	1	2	0	1	1	0	0	1	1	0	2	0	0	0	1	10
Monroe	0	1	1	0	0	0	0	1	2	3	1	0	1	1	1	2	2	16
Montgomery	1	1	1	2	1	3	1	1	5	0	0	1	1	0	0	1	4	23
Muscatine	1	3	11	3	10	11	2	6	6	5	8	4	3	7	11	12	7	110
O'Brien	2	4	0	2	2	3	2	1	0	1	1	1	0	1	4	1	4	29
Osceola	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	6
Page	4	3	0	4	2	1	0	1	6	1	0	1	2	5	1	1	4	36
Palo Alto	1	2	3	2	1	1	1	0	0	0	2	0	3	3	1	4	1	25
Plymouth	2	2	1	3	4	3	2	2	1	4	1	1	6	2	6	3	3	46
Pocahontas	1	0	1	0	0	0	0	0	1	1	0	2	1	1	1	2	0	11
Polk	39	57	42	48	52	66	57	59	51	60	46	70	50	52	44	59	72	924
Pottawattamie	11	16	7	7	13	14	5	11	7	18	12	22	12	16	25	21	18	235
Poweshiek	2	2	2	1	0	0	0	3	1	1	3	1	1	0	4	4	6	31
Ringgold	0	0	0	0	0	2	0	0	1	2	0	1	1	1	0	0	0	8
Sac	0	2	1	0	1	0	1	2	2	1	1	1	1	3	1	3	2	22
Scott	17	18	18	12	23	14	27	24	22	17	26	17	25	24	25	29	41	379
Shelby	3	1	1	0	2	2	3	3	2	0	0	1	0	1	0	2	4	25
Sioux	2	6	2	2	4	5	2	3	2	3	2	6	4	7	3	3	2	58
Story	3	3	4	6	5	11	10	3	5	7	7	11	8	8	5	8	9	113
Tama	2	1	0	1	2	0	2	0	2	0	1	3	1	2	2	2	5	26
Taylor	2	0	1	0	0	1	0	5	1	0	0	2	0	1	2	0	2	17
Union	3	3	0	0	1	2	1	1	1	0	1	0	0	0	1	0	0	14
Van Buren	1	1	1	1	1	2	1	1	1	0	0	2	2	1	1	4	0	20
Wapello	3	1	4	3	5	3	4	6	3	7	4	5	7	7	0	5	8	75
Warren	9	4	5	4	4	6	0	1	5	5	4	4	5	2	1	4	3	66
Washington	2	2	1	1	4	1	1	4	3	0	1	3	5	3	3	1	2	37
Wayne	0	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	2	9
Webster	3	3	4	4	5	5	5	5	7	7	5	7	9	4	10	6	12	101
Winnebago	0	1	0	3	1	1	0	1	0	1	5	1	1	3	3	0	0	21
Winneshiek	1	0	0	0	2	0	2	0	4	1	1	3	5	2	0	3	4	28
Woodbury	13	11	21	13	19	14	26	27	22	21	9	24	17	21	24	30	27	339
Worth	2	0	0	0	1	0	0	0	0	1	0	1	1	0	3	2	1	12
Wright	1	1	2	3	2	1	3	1	2	1	0	2	1	2	3	4	1	30
State of Iowa	259	300	273	261	307	312	317	321	330	343	327	389	376	385	453	456	565	5974

Table 2. Infant Mortality Rates Per 1,000 Live Births in Iowa Counties for Selected Periods from 1980 through 1996.

County	1980- 1996	1992- 1996	1987- 1991	1982- 1986	County	1980- 1996	1992- 1996	1987- 1991	1982- 1986
Adair	4.5	7.3	4.2	3.3	Jefferson	8.0	11.7	6.2	6.3
Adams	9.3	12.5	6.0	11.6	Johnson	9.0	7.2	8.8	10.1
Allamakee	7.0	8.1	4.1	5.4	Jones	6.6	7.8	6.7	5.3
Appanoose	8.9	8.7	12.0	7.4	Keokuk	8.4	2.9	7.6	15.7
Audubon	9.8	5.4	14.1	10.5	Kossuth	7.7	7.4	6.6	8.6
Benton	6.8	8.9	5.3	5.2	Lee	10.3	9.0	10.3	10.6
Black Hawk	9.3	7.7	9.1	9.3	Linn	9.5	7.9	8.3	11.0
Boone	9.0	8.1	6.8	10.8	Louisa	9.8	4.9	13.0	12.5
Bremer	5.8	4.8	2.5	6.4	Lucas	5.4	5.3	9.4	4.7
Buchanan	9.2	9.4	6.3	9.6	Lyon	5.5	6.3	2.3	9.4
Buena Vista	5.7	2.5	5.8	7.3	Madison	5.2	2.5	5.1	6.5
Butler	6.5	5.0	4.5	6.9	Mahaska	6.7	3.7	8.7	7.3
Calhoun	8.5	3.7	4.8	12.4	Marion	7.3	6.6	7.9	7.6
Carroll	5.8	6.7	5.2	6.3	Marshall	8.7	7.7	7.9	10.3
Cass	8.8	3.7	7.4	12.3	Mills	7.1	7.2	6.2	6.8
Cedar	8.7	7.1	9.5	6.5	Mitchell	10.0	14.7	5.9	6.5
Cerro Gordo	7.6	6.7	4.7	9.2	Monona	4.5	5.0	5.2	4.2
Cherokee	7.0	1.4	10.4	7.4	Monroe	8.7	4.1	11.6	7.1
Chickasaw	7.3	6.3	5.7	8.2	Montgomery	8.3	7.6	13.4	2.4
Clarke	8.2	2.2	7.2	13.9	Muscatine	9.9	8.9	9.4	9.8
Clay	7.8	3.9	9.0	7.7	O'Brien	8.0	10.5	7.7	5.9
Clayton	8.3	8.5	8.9	6.8	Osceola	3.5	4.9	2.0	1.8
Clinton	6.9	7.4	5.9	6.7	Page	10.3	14.8	9.0	8.3
Crawford	9.6	7.1	3.4	14.5	Palo Alto	10.3	17.3	3.3	10.3
Dallas	8.3	7.1	9.6	10.3	Plymouth	7.7	7.7	7.4	8.3
Davis	5.1	3.5	3.4	6.0	Pocahontas	5.4	4.9	3.4	6.7
Decatur	6.7	14.5	2.0	1.8	Polk	10.4	8.6	11.1	10.5
Delaware	7.6	1.6	8.6	7.4	Pottawattamie	10.6	9.2	8.5	12.6
Des Moines	9.6	6.9	7.8	11.1	Poweshiek	8.2	6.7	4.6	7.8
Dickinson	8.3	11.2	5.0	8.5	Ringgold	7.7	0.0	18.8	7.8
Dubuque	7.8	5.7	7.8	9.0	Sac	8.0	5.7	8.4	8.0
Emmet	12.2	4.8	7.2	16.4	Scott	8.9	7.5	8.8	8.9
Fayette	8.2	5.9	7.7	7.1	Shelby	8.2	9.5	11.9	2.0
Floyd	5.8	4.1	0.9	10.6	Sioux	7.1	7.9	6.7	8.3
Franklin	9.1	6.4	10.6	7.0	Story	7.0	4.9	7.9	7.6
Fremont	7.3	9.6	5.9	8.4	Tama	6.4	5.2	3.7	7.0
Greene	6.8	5.1	6.8	5.1	Taylor	11.2	8.0	17.8	10.0
Grundy	6.4	6.8	5.9	6.1	Union	5.0	9.5	6.6	2.3
Guthrie	7.6	4.7	6.8	11.7	Van Buren	11.3	10.8	9.9	11.1
Hamilton	7.9	8.2	8.7	6.1	Wapello	9.2	7.3	9.9	9.2
Hancock	9.6	6.3	4.9	7.9	Warren	7.8	10.7	6.8	6.6
Hardin	6.1	3.7	6.5	9.9	Washington	7.5	6.9	6.2	10.6
Harrison	5.8	3.3	3.0	10.1	Wayne	6.3	2.7	5.0	6.8
Henry	8.4	8.2	7.4	5.5	Webster	9.9	7.3	9.8	10.8
Howard	5.7	1.8	3.2	9.1	Winnebago	7.9	7.4	3.9	15.2
Humboldt	7.0	3.7	14.2	5.8	Winneshiek	6.0	2.5	5.3	7.2
Ida	10.0	22.5	6.8	7.5	Woodbury	12.2	9.2	14.0	11.8
Iowa	8.7	3.8	12.8	9.6	Worth	6.7	6.7	2.0	8.7
Jackson	8.8	8.0	9.6	7.2	Wright	9.4	11.3	8.5	8.1
Jasper	7.7	6.9	6.7	9.9					
					State of Iowa	8.7	7.5	8.4	9.2

Figure 1. Infant mortality in Iowa, 1980-1996.

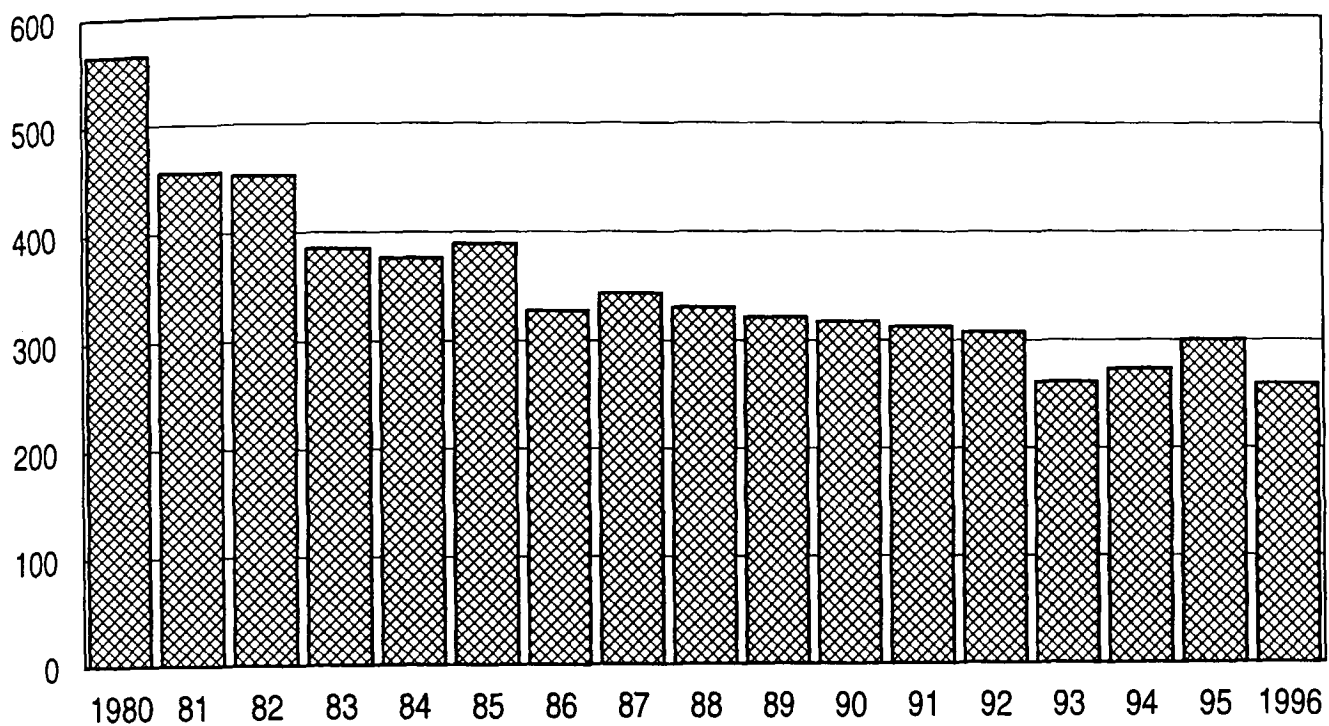


Figure 2. Infant mortality rate in Iowa, 1980-1996.

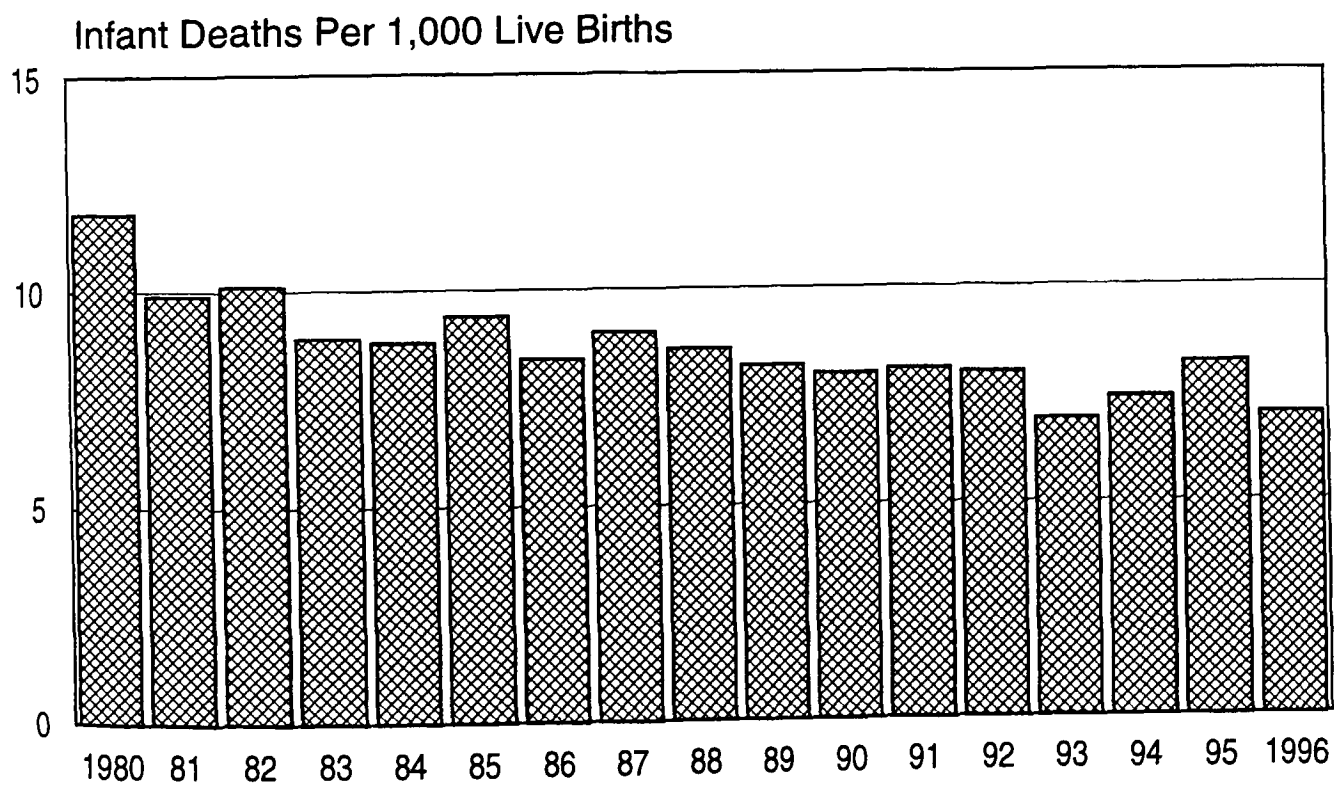
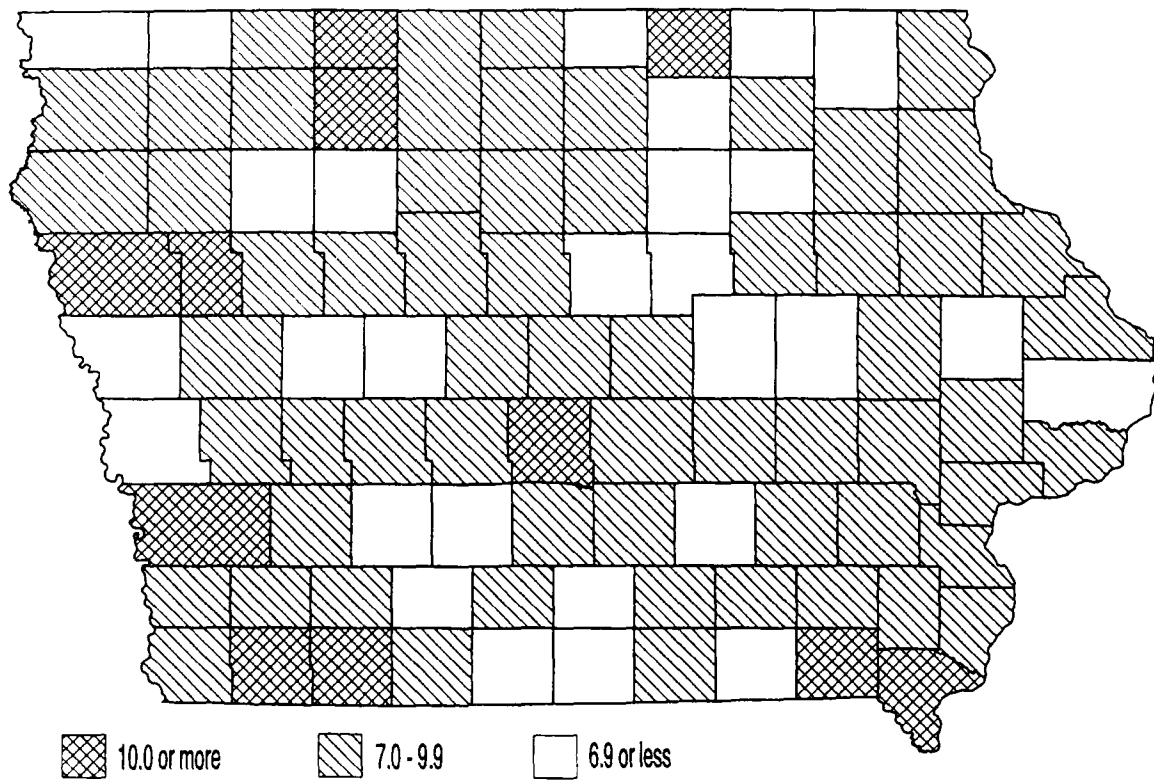


Figure 3. Infant mortality rate, 1980-1996.



## Deaths Caused by Accident, Homicide, or Suicide (Total, Teens) in Iowa's Counties: 1980-1996

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The Iowa Department of Public Health maintains records on the causes of death of residents in Iowa's counties. Deaths from causes other than illness and disease include motor vehicle accidents, other accidents, suicides, and homicides. From 1980 through 1996, the 25,520 deaths due to these four causes accounted for 5.5% of all deaths (464,466) in Iowa. All deaths are recorded by the county of residence of the deceased, not by where the death occurred.

### Deaths Due to Motor Vehicle Accidents

In 1996, 484 Iowans died in motor vehicle accidents (Table 1). From 1980 through 1996, only four years had lower totals than that reported in 1996. Deaths from motor vehicle accidents were substantially higher in 1980 and 1981, exceeding 650 both years (Figure 1).

Polk had more residents (41) die in motor vehicle accidents in 1996 than did any other county. The next highest counties were Black Hawk and Linn, the only others exceeding 15. Two-thirds of the counties (68) had one to five while Butler, Fayette, Guthrie, Ida, and Van Buren had no residents die in motor vehicle accidents in 1996.

A total of 8,905 Iowa residents died in motor vehicle accidents from 1980 through 1996. Of these, 778 were residents of Polk. Twenty other counties had at least 100 residents die in this manner between 1980 and 1996. Adams had 20 residents die in motor vehicle accidents during the 17-year period, the lowest of any county.

### Deaths Due to Other Accidents

Included in the category of other accidents are deaths by falls, drowning, fire, suffocation, accidental poisoning, and gunshots; deaths from boat and airplane accidents also are counted in this category. The deaths of 595 Iowans were due to these kinds of incidents in 1996 (Table 2). In 1980, 652 accidental deaths not involving motor vehicles occurred to Iowa residents, the highest during the period reviewed (Figure 1).

In 1996, Polk had the highest number (64) of deaths from accidents other than those involving motor vehicles, followed by Black Hawk, Linn, Scott and Woodbury each with at least 20. Five or fewer such deaths occurred in 61 counties in 1996; among these, no deaths from these kinds of accidents were reported for residents of Fayette and Iowa counties.

During the 1980-1996 period, accidents other than those involving motor vehicles claimed the lives of 9,933 Iowans. Polk's total was 1,173, nearly triple that of second place Linn (423). Twenty-one other counties recorded 100 or more such accidental deaths during the 17 years. Osceola (24) had the fewest of these accidental deaths during the period.

### Deaths Due to Homicide

There were more homicides in Iowa in 1996 (72) than in 12 of the other 16 years reported (Table 3, Figure 1); the highest number was 80 in 1981. Two-thirds (66) of Iowa's counties had no homicides in

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Adair	3	5	0	5	2	2	3	1	1	0	2	0	2	1	0	2	3	32
Adams	3	1	1	2	1	2	0	1	4	1	0	1	0	1	1	1	0	20
Allamakee	5	2	1	4	7	3	4	6	1	9	3	1	6	7	7	5	9	80
Appanoose	2	5	5	5	2	0	5	4	6	4	4	1	5	0	0	5	3	56
Audubon	1	1	0	1	1	4	2	1	0	0	0	1	2	4	0	2	4	24
Benton	4	4	4	3	1	8	3	7	8	5	3	3	4	9	5	3	7	81
Black Hawk	17	20	23	19	24	16	19	16	17	13	13	18	13	16	19	24	29	316
Boone	5	5	9	1	6	1	3	3	2	6	1	5	2	2	6	7	3	67
Bremer	3	4	4	8	1	6	5	5	9	2	3	4	2	4	3	5	8	76
Buchanan	5	6	2	3	3	2	3	4	8	1	1	2	4	6	7	5	5	67
Buena Vista	3	2	4	3	6	4	3	4	8	2	3	2	5	3	6	5	6	69
Butler	0	1	4	4	4	3	2	3	6	6	5	1	3	2	2	2	5	53
Calhoun	3	2	1	0	3	3	2	10	4	3	2	5	3	3	2	2	7	55
Carroll	4	6	5	4	4	7	2	1	6	5	3	3	3	3	5	3	8	72
Cass	2	7	2	4	4	2	2	0	4	1	7	4	1	6	4	4	10	64
Cedar	4	5	4	3	2	7	2	3	9	4	2	7	4	0	5	8	5	74
Cerro Gordo	6	6	5	13	8	6	3	6	3	8	5	8	3	5	8	10	16	119
Cherokee	4	4	3	1	1	5	1	5	5	3	0	4	4	1	4	7	4	56
Chickasaw	2	4	2	2	3	6	1	1	5	2	3	1	5	1	2	2	6	48
Clarke	4	4	0	4	2	3	2	2	1	2	4	3	0	0	3	4	1	39
Clay	4	5	4	2	0	6	4	1	1	2	4	4	1	3	6	2	8	57
Clayton	5	10	8	9	4	6	2	13	3	1	8	3	5	5	6	10	11	109
Clinton	11	10	12	7	4	11	9	8	20	10	10	8	6	11	14	16	11	178
Crawford	6	7	6	5	2	5	2	2	4	7	4	10	2	9	2	6	6	85
Dallas	3	6	5	11	10	9	10	5	11	6	5	7	5	6	8	7	5	119
Davis	5	9	2	3	2	2	3	3	0	2	3	3	5	1	1	0	0	44
Decatur	3	1	1	3	1	3	1	1	1	0	1	2	3	2	8	4	2	37
Delaware	2	4	1	4	2	4	2	1	1	4	2	4	3	2	4	4	4	48
Des Moines	5	6	5	13	3	10	7	5	12	8	8	4	11	9	5	8	9	128
Dickinson	5	2	2	2	6	4	1	2	2	3	0	2	1	0	1	1	5	39
Dubuque	7	5	16	9	18	9	11	18	15	14	14	14	15	18	12	21	18	234
Emmet	3	5	1	1	2	5	0	3	3	4	1	8	3	2	0	5	4	50
Fayette	0	7	6	3	5	7	13	3	12	8	3	6	3	4	4	5	2	91
Floyd	2	2	6	4	3	3	2	5	4	4	1	3	2	5	8	6	7	67
Franklin	3	1	1	2	4	1	0	4	4	2	1	1	3	3	2	3	3	38
Fremont	2	2	3	3	0	1	2	2	2	5	4	4	3	2	2	4	3	44
Greene	1	5	5	0	2	0	4	2	9	1	0	0	1	2	1	5	8	46
Grundy	4	3	3	0	0	3	1	0	1	2	1	2	1	2	4	2	3	32
Guthrie	0	3	2	2	2	1	1	1	5	1	1	3	2	2	3	1	2	32
Hamilton	5	4	4	4	4	1	4	4	7	7	2	0	3	6	3	8	4	70
Hancock	3	2	3	4	0	2	5	2	2	2	4	1	3	3	1	1	2	40
Hardin	1	4	7	4	2	3	2	3	8	5	3	3	8	2	2	7	7	71
Harrison	4	4	6	4	12	7	6	6	5	2	4	2	5	4	6	1	8	86
Henry	3	5	3	7	2	11	2	7	1	2	7	0	3	1	5	6	4	69
Howard	2	1	1	1	4	1	2	4	2	3	3	1	5	1	1	5	2	39
Humboldt	4	3	3	2	3	1	1	4	1	3	3	2	2	4	0	5	2	43
Ida	0	5	1	4	5	0	2	1	2	7	1	5	2	3	0	1	0	39
Iowa	2	5	3	3	6	2	2	1	3	3	2	8	1	0	5	5	5	56
Jackson	8	6	4	4	4	8	7	3	8	11	8	7	4	7	10	8	7	114
Jasper	5	4	4	9	4	1	8	10	6	8	7	3	10	9	5	6	5	104

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Jefferson	9	8	0	2	2	6	5	2	3	5	2	2	4	5	1	4	5	65
Johnson	8	10	9	8	8	11	10	14	6	5	8	22	8	7	14	9	11	168
Jones	10	4	3	6	7	2	5	4	6	4	2	4	1	7	3	6	6	80
Keokuk	7	5	5	6	2	2	5	0	5	6	3	3	8	9	6	8	3	83
Kossuth	7	7	2	6	2	1	1	9	3	4	2	10	3	1	7	7	5	77
Lee	13	10	6	3	7	16	16	9	9	8	5	8	6	10	9	13	14	162
Linn	18	27	24	19	12	22	21	26	19	19	16	20	19	15	20	32	29	358
Louisa	4	5	6	3	3	1	4	5	3	0	3	0	2	3	3	2	2	49
Lucas	2	3	2	0	5	2	6	2	0	3	2	3	3	3	2	4	1	43
Lyon	4	2	2	3	2	2	2	2	0	2	5	3	4	1	2	5	4	45
Madison	5	6	5	0	2	4	2	3	1	2	1	4	3	3	1	3	1	46
Mahaska	6	5	6	7	6	6	5	3	6	7	3	4	4	5	3	0	6	82
Marion	6	4	9	8	9	4	7	8	6	2	4	5	2	5	1	8	4	92
Marshall	4	13	9	5	12	17	6	11	2	9	10	9	6	9	13	10	11	156
Mills	8	1	1	3	2	3	7	2	2	3	5	3	2	1	3	3	4	53
Mitchell	3	6	1	2	6	0	1	2	3	3	1	1	1	4	1	2	3	40
Monona	7	1	3	1	3	2	3	5	4	4	5	0	3	3	3	6	7	60
Monroe	5	1	4	4	3	1	3	5	1	1	1	3	3	6	1	3	6	51
Montgomery	1	3	2	2	0	3	4	2	3	2	3	2	1	2	2	6	2	40
Muscatine	9	7	7	3	5	9	11	19	14	8	4	18	10	15	8	12	9	168
O'Brien	4	2	6	1	5	3	1	4	3	3	0	1	7	3	3	8	3	57
Osceola	2	1	3	2	1	0	1	0	3	0	6	2	2	4	1	2	0	30
Page	3	3	2	1	5	3	7	2	5	1	2	2	8	4	3	5	6	62
Palo Alto	3	1	2	2	3	5	4	3	3	0	2	7	1	1	1	2	2	42
Plymouth	2	6	5	5	2	2	4	3	6	8	4	9	1	5	7	8	10	87
Pocahontas	2	3	2	0	3	3	4	6	5	3	7	1	2	3	3	5	4	56
Polk	41	44	53	34	39	45	35	48	60	41	43	45	44	43	28	58	77	778
Pottawattamie	12	10	17	14	20	8	14	14	15	25	17	14	11	21	21	22	5	260
Poweshiek	4	3	4	1	2	3	2	5	4	6	5	3	8	2	6	5	6	69
Ringgold	2	1	2	2	1	1	1	0	2	3	0	2	2	3	1	1	3	27
Sac	4	7	2	3	4	1	2	4	4	7	1	7	1	3	4	3	5	62
Scott	13	21	20	17	18	10	18	21	19	22	21	15	18	33	18	29	28	341
Shelby	4	4	1	7	6	2	3	4	4	2	0	2	2	5	5	2	7	60
Sioux	5	5	3	2	1	6	8	7	4	6	9	5	4	4	4	4	6	83
Story	4	9	2	7	7	13	9	4	5	9	6	6	9	5	6	9	9	119
Tama	5	6	7	5	6	6	6	3	2	5	5	5	4	8	3	7	4	87
Taylor	1	1	4	2	1	0	2	2	1	5	4	2	0	5	3	2	3	38
Union	1	3	4	3	5	5	1	2	4	1	5	3	3	0	5	3	5	53
Van Buren	0	4	2	4	0	4	2	2	2	0	0	1	2	1	3	3	1	31
Wapello	7	10	14	7	8	10	9	11	7	2	9	8	5	5	7	11	5	135
Warren	3	4	6	1	3	1	4	8	11	3	7	7	5	6	6	6	11	92
Washington	5	4	3	7	3	3	3	4	3	4	5	10	4	4	3	10	8	83
Wayne	6	2	7	3	1	2	0	0	1	3	0	3	1	3	2	3	3	40
Webster	7	7	12	4	4	11	8	11	10	8	11	12	14	11	9	11	17	167
Winnebago	1	0	4	3	3	2	5	4	3	3	1	1	5	7	3	3	4	52
Winneshiek	1	4	2	2	1	3	8	5	3	2	3	2	5	7	4	4	3	59
Woodbury	9	13	12	12	15	12	16	17	16	14	13	19	13	20	22	15	12	250
Worth	3	2	2	0	0	1	1	3	3	1	1	2	2	1	3	0	0	25
Wright	6	2	2	3	1	6	6	4	4	3	4	7	5	3	4	2	3	65
State of Iowa	484	540	518	463	467	502	491	541	570	501	455	521	473	536	509	655	679	8905

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Adair	2	7	1	0	3	6	2	3	1	4	2	1	4	0	4	2	4	46
Adams	1	2	4	4	3	2	0	3	3	1	1	2	2	1	1	2	3	35
Allamakee	6	5	3	2	3	3	4	7	5	5	8	2	4	4	5	3	3	72
Appanoose	3	4	1	3	2	2	3	3	4	4	9	6	4	2	6	1	3	60
Audubon	2	0	2	0	4	2	0	2	2	0	2	2	2	4	3	1	2	30
Benton	4	6	6	3	3	4	5	6	4	4	1	5	4	7	2	4	6	74
Black Hawk	22	25	30	36	16	23	24	14	15	22	24	14	16	33	21	25	27	387
Boone	4	8	2	9	5	8	3	8	11	11	8	8	3	9	3	9	5	114
Bremer	3	2	6	4	4	5	4	3	5	1	5	2	4	4	4	8	2	66
Buchanan	8	6	5	3	10	3	4	1	5	7	3	5	4	3	6	8	4	85
Buena Vista	4	1	4	2	4	0	2	7	6	3	0	4	2	8	3	4	6	60
Butler	3	8	3	0	0	1	2	2	3	4	7	2	1	2	2	4	5	49
Calhoun	7	3	4	2	2	6	2	1	4	4	4	2	3	4	0	1	2	51
Carroll	7	3	9	3	6	3	2	7	6	8	2	5	8	3	11	3	5	91
Cass	4	4	7	0	6	6	6	8	7	5	1	8	3	1	4	3	5	78
Cedar	6	6	6	4	2	0	5	1	2	0	1	6	5	2	2	4	0	52
Cerro Gordo	11	8	6	4	5	12	2	8	4	8	11	10	9	7	8	13	9	135
Cherokee	7	7	2	1	2	4	5	9	7	2	1	3	2	4	3	1	2	62
Chickasaw	1	5	1	4	2	4	1	1	1	1	4	1	3	0	2	3	3	37
Clarke	2	1	5	3	3	3	4	2	1	2	0	3	2	3	1	3	7	45
Clay	3	1	2	3	4	1	2	0	2	4	1	0	4	3	6	4	5	45
Clayton	1	5	8	6	4	7	3	5	8	4	2	6	9	6	8	6	7	95
Clinton	8	10	6	14	13	6	6	14	11	13	9	13	6	8	20	5	14	176
Crawford	3	5	3	4	3	2	4	5	1	3	5	5	5	3	5	5	4	65
Dallas	10	5	8	8	10	4	3	6	11	10	4	8	8	7	6	4	4	116
Davis	7	4	1	1	0	3	2	2	1	2	0	2	2	4	5	1	1	38
Decatur	3	1	6	4	8	6	5	4	4	2	3	3	1	2	2	1	5	60
Delaware	6	2	2	1	8	5	3	6	6	2	5	6	9	2	7	1	4	75
Des Moines	10	11	9	7	9	12	11	13	11	4	11	14	2	5	7	9	7	152
Dickinson	3	3	5	4	0	0	6	3	0	3	3	4	3	3	8	4	3	55
Dubuque	14	10	12	14	6	17	20	13	10	7	22	20	16	13	13	15	19	241
Emmet	1	2	6	4	2	2	1	3	6	1	1	4	5	3	0	4	2	47
Fayette	0	6	4	7	5	4	5	7	3	8	3	6	8	3	6	10	8	93
Floyd	2	6	3	4	6	4	1	1	5	5	2	2	5	4	6	3	10	69
Franklin	1	2	2	2	4	4	3	3	3	1	6	5	1	3	1	5	2	48
Fremont	2	3	2	3	0	4	3	2	3	2	1	0	2	7	3	8	3	48
Greene	1	3	3	0	3	6	1	0	1	3	3	5	1	7	2	0	4	43
Grundy	3	4	2	2	1	4	2	2	1	2	2	2	0	1	4	4	6	42
Guthrie	1	4	3	3	0	3	2	4	1	5	3	4	3	1	6	3	8	54
Hamilton	1	1	3	1	5	1	3	1	2	1	5	2	3	6	1	1	5	42
Hancock	1	2	2	3	2	1	3	2	3	3	5	0	3	3	5	3	1	42
Hardin	5	12	4	6	2	6	5	1	1	3	4	3	2	4	5	4	9	76
Harrison	5	2	3	1	4	5	4	3	6	4	2	8	3	9	3	4	3	69
Henry	4	3	6	6	7	0	1	3	7	2	3	7	1	8	2	3	3	66
Howard	4	4	2	2	1	3	3	3	5	2	1	2	0	3	3	1	0	39
Humboldt	1	1	4	3	7	2	3	0	2	2	1	0	4	1	5	5	1	42
Ida	1	3	2	1	1	1	2	3	7	3	2	0	4	3	3	4	2	42
Iowa	0	3	5	1	2	3	2	3	2	3	2	2	3	1	1	3	3	39
Jackson	6	4	8	3	6	2	5	2	2	3	2	2	5	4	9	11	4	78
Jasper	8	5	14	11	5	13	4	8	5	6	12	7	8	9	8	12	11	146



Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Jefferson	2	5	2	2	4	2	2	4	1	7	3	4	2	4	2	4	0	50
Johnson	13	11	8	7	13	11	16	8	11	11	13	6	6	13	11	12	6	176
Jones	2	4	9	6	4	1	5	6	4	3	5	5	3	7	1	3	6	74
Keokuk	6	7	5	5	4	2	4	0	6	5	4	6	6	3	4	4	2	73
Kossuth	6	7	1	2	2	5	6	8	7	3	11	3	4	4	4	3	4	80
Lee	9	7	19	7	7	5	6	7	17	10	4	8	6	15	11	8	12	158
Linn	28	30	25	22	24	28	19	25	29	17	26	23	23	22	21	29	32	423
Louisa	3	11	4	4	1	1	4	1	0	5	2	5	1	1	5	2	0	50
Lucas	3	1	5	2	1	5	1	7	4	0	1	3	0	2	5	1	1	42
Lyon	2	4	2	0	0	2	5	2	3	5	3	1	7	1	3	5	3	48
Madison	1	8	2	4	5	4	3	3	8	2	5	5	3	3	3	4	6	69
Mahaska	8	10	6	4	7	12	7	4	5	7	4	4	3	5	4	4	4	98
Marion	11	11	8	7	11	9	11	6	5	6	14	7	8	8	8	11	6	147
Marshall	11	13	10	7	13	10	10	7	10	8	6	9	12	9	5	9	11	160
Mills	5	2	4	5	0	3	7	3	1	2	2	2	2	1	1	4	2	46
Mitchell	7	0	0	2	2	1	4	8	1	4	2	3	6	2	4	6	7	59
Monona	2	3	3	5	6	2	3	5	3	1	5	2	3	4	3	0	3	53
Monroe	2	2	3	0	4	3	1	4	1	3	1	6	3	1	2	0	7	43
Montgomery	5	3	1	7	5	7	6	6	1	5	2	3	3	1	3	6	1	65
Muscatine	7	10	11	2	4	13	5	5	12	8	8	12	6	8	10	9	5	135
O'Brien	1	3	2	2	7	7	3	0	4	8	9	6	2	3	6	6	2	71
Osceola	1	1	0	1	1	0	1	3	0	2	1	5	0	3	1	1	3	24
Page	4	6	2	3	7	4	5	2	5	3	5	7	2	4	6	3	4	72
Palo Alto	4	5	4	1	0	2	1	4	1	1	1	2	5	0	2	4	5	42
Plymouth	3	5	5	1	3	2	3	5	0	4	2	2	3	4	6	5	2	55
Pocahontas	4	0	3	1	1	1	6	1	2	0	2	0	1	0	8	1	4	35
Polk	64	68	57	70	71	82	68	72	88	60	78	61	74	51	58	71	80	1173
Pottawattamie	13	13	16	13	15	21	13	21	22	14	16	17	11	15	19	16	14	269
Poweshiek	6	6	7	6	4	6	3	6	7	7	3	5	3	5	6	2	6	88
Ringgold	2	2	3	0	2	1	1	1	0	3	2	2	5	1	0	0	1	26
Sac	2	3	3	5	5	3	5	3	2	1	2	4	1	4	4	8	4	59
Scott	24	18	27	32	21	14	14	27	13	34	27	19	21	24	25	24	22	386
Shelby	3	4	2	5	2	3	6	2	4	0	3	4	9	6	3	3	6	65
Sioux	2	5	5	9	5	4	3	7	3	2	6	5	7	5	8	7	10	93
Story	10	5	5	14	7	17	16	9	7	11	8	13	5	14	14	14	13	182
Tama	5	3	4	2	2	4	8	6	1	2	12	5	4	1	6	4	4	73
Taylor	3	3	0	1	1	2	2	3	4	0	1	1	1	1	5	1	2	31
Union	6	6	3	4	1	3	3	5	6	6	0	3	4	4	5	6	3	68
Van Buren	3	5	1	5	1	1	3	5	2	2	6	2	2	1	1	1	2	43
Wapello	12	12	12	6	10	8	9	10	6	9	7	4	8	15	7	14	12	161
Warren	6	5	6	4	8	4	8	7	9	3	7	7	9	9	8	9	4	113
Washington	9	4	10	5	5	5	7	4	9	8	3	6	9	4	3	5	7	103
Wayne	6	4	1	1	2	2	1	0	0	3	2	4	2	3	2	8	4	45
Webster	16	5	18	13	13	13	10	13	12	8	6	11	7	10	9	14	12	190
Winnebago	1	5	2	4	5	5	1	1	4	1	3	2	2	4	3	4	3	50
Winneshiek	1	6	4	6	0	4	6	2	6	7	2	11	2	2	5	5	5	74
Woodbury	24	14	21	21	14	18	14	29	18	14	21	15	15	27	12	18	29	324
Worth	1	5	3	1	5	1	3	0	0	0	2	1	2	1	2	2	2	31
Wright	4	2	2	7	3	7	3	2	4	1	5	6	2	0	6	4	8	66
State of Iowa	595	610	603	559	551	598	549	587	594	535	582	580	536	572	601	629	652	9933

Table 3. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1996.

County	1980-																1996	
	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981		1980
Adair	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Adams	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Allamakee	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
Appanoose	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	5
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	0	0	0	0	0	0	0	1	0	3	1	0	0	0	0	1	1	7
Black Hawk	1	3	4	8	0	5	6	3	3	0	1	3	2	6	4	10	4	63
Boone	1	0	0	1	1	0	0	0	0	1	0	0	2	1	0	1	2	10
Bremer	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	4
Buchanan	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	4
Buena Vista	2	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	5
Butler	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2
Cass	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0	4
Cedar	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
Cerro Gordo	1	0	1	2	0	1	0	0	2	0	1	0	2	0	3	1	0	14
Cherokee	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarke	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	3
Clay	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Clayton	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	4
Clinton	1	0	0	0	2	0	1	1	2	0	4	3	0	0	1	9	1	25
Crawford	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	4
Dallas	0	3	0	0	0	3	0	2	1	1	0	0	1	0	1	1	0	13
Davis	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	4
Decatur	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	4
Delaware	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Des Moines	0	1	1	1	1	2	2	2	0	0	1	0	1	3	3	0	4	22
Dickinson	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	3
Dubuque	1	1	1	0	2	3	0	0	0	1	0	1	0	1	0	1	1	13
Emmet	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Fayette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floyd	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Franklin	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	5
Fremont	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	4
Greene	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2
Grundy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guthrie	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hamilton	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3
Hancock	1	0	0	1	0	0	0	0	0	0	0	2	0	0	1	1	0	6
Hardin	1	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	6
Harrison	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3
Henry	0	0	0	0	1	0	0	1	0	0	1	0	2	4	0	2	2	13
Howard	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ida	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Iowa	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	0	1	7
Jackson	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	1	1	7
Jasper	0	0	1	0	0	0	0	2	3	0	3	1	1	2	2	0	0	15

Table 3. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1996 (continued).

County	1980-																1996	
	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981		1980
Jefferson	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	3	
Johnson	4	3	1	1	0	7	1	0	2	0	0	4	1	0	0	2	26	
Jones	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	
Keokuk	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	4	
Kossuth	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	3	
Lee	1	1	0	0	0	5	0	1	0	0	0	2	1	1	3	2	19	
Linn	1	4	5	3	4	5	2	5	1	3	2	2	7	6	4	3	60	
Louisa	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	
Lucas	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	3	
Lyon	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Madison	2	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	6	
Mahaska	0	0	0	0	0	1	1	0	1	1	0	1	0	1	1	0	7	
Marion	0	1	0	1	1	0	2	0	0	0	1	1	0	0	1	0	9	
Marshall	1	0	1	1	0	0	1	1	0	2	0	0	1	0	2	1	12	
Mills	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Monroe	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	4	
Montgomery	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
Muscatine	0	2	1	1	3	0	0	0	1	1	2	4	0	0	3	1	20	
O'Brien	1	0	1	0	0	1	1	0	0	0	0	1	0	0	0	1	6	
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Page	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	8	
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Plymouth	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Pocahontas	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	1	5	
Polk	21	23	20	12	11	12	18	15	15	19	21	13	18	13	17	13	19	280
Pottawattamie	5	4	5	2	2	4	2	1	4	2	4	0	4	4	1	1	5	50
Poweshiek	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Sac	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1	4
Scott	3	9	8	6	3	2	3	5	3	5	2	6	9	6	5	8	9	92
Shelby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Sioux	0	1	0	0	1	2	0	0	0	0	1	1	0	0	0	0	0	6
Story	2	0	0	1	2	1	0	0	0	2	2	1	1	0	0	0	0	12
Tama	3	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	3	10
Taylor	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	3
Union	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	3
Van Buren	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2
Wapello	5	1	1	0	1	1	0	0	1	3	0	0	1	1	1	2	0	18
Warren	1	0	0	4	2	1	0	1	0	1	0	1	1	0	1	0	0	13
Washington	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	4
Wayne	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
Webster	0	0	0	2	0	5	1	1	2	0	0	1	2	2	2	4	1	23
Winnebago	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Woodbury	1	3	4	3	3	7	1	6	1	3	4	0	2	6	2	4	1	51
Worth	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
Wright	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
State of Iowa	72	66	64	60	49	76	52	55	53	58	62	58	74	69	68	80	78	1094

Table 4. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Adair	1	0	0	1	1	3	1	2	1	2	3	0	1	2	0	2	1	21
Adams	0	0	0	1	1	0	0	1	1	0	0	0	2	1	0	0	0	7
Allamakee	2	0	2	2	0	1	1	1	2	5	4	3	2	1	2	0	3	31
Appanoose	1	3	1	1	1	2	3	4	2	2	2	0	4	0	4	1	3	34
Audubon	1	0	2	0	3	2	1	1	1	0	1	1	1	0	1	2	0	17
Benton	1	6	1	5	1	3	4	1	4	3	3	5	1	2	2	1	1	44
Black Hawk	10	11	12	18	14	12	12	13	16	16	14	16	17	15	12	15	13	236
Boone	3	7	1	4	1	3	3	1	3	3	3	4	3	2	3	0	4	48
Bremer	3	2	7	1	2	1	3	3	0	3	0	2	3	2	0	1	4	37
Buchanan	2	4	2	3	4	3	4	1	2	2	1	2	7	1	2	3	3	46
Buena Vista	1	2	1	4	1	2	0	1	2	1	2	3	5	2	0	1	0	28
Butler	0	1	1	1	1	1	2	2	2	3	3	2	1	2	0	1	0	23
Calhoun	0	1	1	2	2	2	1	2	1	3	0	0	2	1	4	1	1	24
Carroll	2	3	2	4	2	3	3	6	2	2	2	1	2	3	2	2	3	44
Cass	2	3	0	0	0	2	1	2	1	2	5	1	1	5	1	1	2	29
Cedar	0	2	2	0	2	4	1	2	1	2	4	2	4	2	1	3	0	32
Cerro Gordo	4	7	6	6	3	5	5	6	3	9	4	9	2	5	8	4	4	90
Cherokee	3	3	1	3	4	4	1	0	0	3	2	2	1	1	1	1	1	31
Chickasaw	2	0	4	1	2	1	1	0	2	3	1	2	1	1	0	0	2	23
Clarke	1	1	0	3	1	2	1	2	2	2	0	0	1	0	3	0	2	21
Clay	3	1	2	1	0	0	1	1	0	0	1	1	2	2	0	3	3	21
Clayton	4	1	1	2	5	5	2	0	2	3	4	4	3	2	0	4	3	45
Clinton	11	7	7	7	4	2	6	3	5	9	11	6	11	6	6	9	7	117
Crawford	0	2	0	2	2	2	3	3	0	0	1	2	1	2	2	0	2	24
Dallas	2	5	3	3	7	10	2	5	3	4	4	4	2	3	7	4	3	71
Davis	1	1	0	2	4	0	0	0	0	0	1	0	0	1	0	4	2	16
Decatur	3	0	0	4	2	2	0	0	1	1	1	3	0	0	0	0	0	17
Delaware	0	2	4	1	0	5	1	1	1	3	2	2	3	5	0	1	0	31
Des Moines	6	5	12	9	3	8	6	6	5	12	7	2	3	5	7	6	4	106
Dickinson	1	0	2	1	1	1	2	1	3	1	7	3	1	5	1	1	0	31
Dubuque	11	8	7	9	12	11	6	9	11	12	5	9	7	12	8	6	10	153
Emmet	1	1	2	0	1	1	2	1	1	1	0	1	4	0	0	1	8	25
Fayette	2	0	2	3	1	4	2	3	2	7	2	3	1	3	4	6	3	48
Floyd	5	6	1	2	2	3	1	2	1	4	0	3	0	1	2	3	0	36
Franklin	1	1	1	1	0	0	3	0	0	2	1	1	1	0	0	2	1	15
Fremont	1	1	2	0	1	1	1	3	2	1	1	1	2	0	0	0	0	17
Greene	2	0	1	1	2	0	1	3	1	4	1	2	1	3	1	0	4	27
Grundy	1	2	4	1	0	1	1	2	3	0	2	3	2	1	1	0	2	26
Guthrie	2	0	3	1	3	0	2	2	1	0	3	3	2	2	3	1	3	31
Hamilton	1	3	2	3	2	5	1	4	4	3	3	3	3	0	1	1	0	39
Hancock	1	1	1	1	2	2	0	1	3	2	1	1	3	1	0	1	2	23
Hardin	2	0	3	0	1	0	1	0	1	2	1	2	1	0	6	0	1	21
Harrison	5	2	1	2	0	3	0	2	2	1	2	1	3	1	3	4	1	33
Henry	2	0	2	2	4	2	2	4	3	1	0	1	7	3	1	6	1	41
Howard	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	7
Humboldt	3	1	4	3	1	0	0	1	0	2	0	1	3	0	3	0	3	25
Ida	1	0	0	1	2	1	1	1	1	0	0	0	3	1	1	0	1	14
Iowa	2	3	2	1	1	4	1	1	1	2	3	1	1	0	1	0	2	26
Jackson	5	2	1	3	3	3	3	2	1	3	2	2	4	2	3	4	1	44
Jasper	2	1	4	2	2	7	4	4	3	3	6	4	3	3	2	1	5	56

Table 4. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Jefferson	4	3	2	3	0	1	6	0	2	2	2	1	2	2	0	0	2	32
Johnson	7	7	11	8	7	10	9	3	11	12	10	14	7	4	6	11	8	145
Jones	2	1	4	1	2	1	8	4	2	3	1	4	1	2	1	2	4	43
Keokuk	3	1	2	3	4	1	2	1	0	2	1	2	0	1	2	3	1	29
Kossuth	2	2	0	1	0	0	2	2	0	4	1	1	1	3	3	2	2	26
Lee	6	4	8	6	2	6	3	2	2	6	5	7	4	4	4	4	4	77
Linn	18	12	22	22	17	25	24	20	30	28	27	16	19	13	20	22	20	355
Louisa	4	4	1	0	2	1	4	1	3	3	1	3	6	1	0	3	0	37
Lucas	0	2	3	1	3	1	1	2	3	4	1	0	2	0	2	1	4	30
Lyon	1	0	0	1	1	1	1	1	0	1	2	0	4	3	0	0	5	21
Madison	2	3	1	1	1	0	0	2	1	0	2	1	4	1	3	1	1	24
Mahaska	2	0	3	2	3	0	4	2	2	1	5	2	2	7	1	2	2	40
Marion	4	7	1	1	2	2	3	5	2	7	6	3	6	6	2	3	5	65
Marshall	2	5	9	3	6	4	6	1	6	6	12	5	5	6	7	5	3	91
Mills	0	3	3	2	0	1	2	0	2	1	0	1	0	2	1	3	1	22
Mitchell	3	0	1	1	2	2	2	4	0	0	0	1	0	4	1	2	2	25
Monona	1	2	1	1	1	0	2	0	2	0	4	1	1	0	0	0	1	17
Monroe	4	3	0	1	0	0	3	2	0	1	0	0	1	0	2	0	1	18
Montgomery	1	3	2	2	2	0	1	4	1	2	3	2	2	3	5	0	3	36
Muscatine	2	5	7	6	5	4	8	2	4	7	5	4	3	6	7	2	1	78
O'Brien	0	3	1	1	2	3	4	0	0	0	2	3	1	2	3	0	0	25
Osceola	1	1	1	1	0	1	1	1	1	1	3	2	0	0	0	2	1	17
Page	1	4	0	0	3	3	1	2	1	0	3	0	2	1	0	2	1	24
Palo Alto	1	1	0	1	0	0	0	0	2	0	2	0	0	1	2	3	0	13
Plymouth	1	4	0	0	2	3	3	2	2	6	2	3	1	3	2	0	0	34
Pocahontas	0	0	1	0	0	3	2	1	2	1	0	2	2	0	2	3	1	20
Polk	45	34	47	44	25	46	49	46	51	42	42	50	31	47	46	40	40	725
Pottawattamie	8	16	11	9	16	10	13	11	11	16	8	12	12	11	10	9	13	196
Poweshiek	6	1	1	4	1	1	1	3	3	2	0	0	2	4	3	2	2	36
Ringgold	0	1	0	1	0	2	3	0	0	0	1	1	1	0	0	0	0	10
Sac	2	3	3	1	1	0	2	2	1	1	3	0	0	0	1	2	1	23
Scott	12	22	21	13	21	17	13	19	16	31	27	20	22	28	13	25	36	356
Shelby	0	2	0	1	1	2	4	1	2	1	1	2	2	2	0	2	2	25
Sioux	3	1	1	2	0	1	1	0	2	1	2	3	3	2	0	0	0	22
Story	5	8	7	5	3	5	6	6	5	8	5	6	6	3	9	4	3	94
Tama	2	6	4	5	0	1	0	1	2	2	3	3	3	5	3	3	1	44
Taylor	2	2	0	0	0	1	3	3	2	3	1	2	2	2	1	0	1	25
Union	3	1	1	5	2	2	3	1	0	3	0	1	3	1	1	1	2	30
Van Buren	1	0	0	1	0	1	0	1	2	0	4	3	1	4	0	0	1	19
Wapello	5	7	7	6	2	2	4	4	3	5	7	5	5	7	7	4	4	84
Warren	8	7	3	2	5	3	3	6	3	5	3	5	5	1	3	2	5	69
Washington	3	2	2	4	7	1	2	3	1	3	1	3	1	3	0	2	1	39
Wayne	2	0	0	1	3	1	1	0	1	1	2	1	1	0	0	0	0	14
Webster	7	5	2	1	6	6	7	7	5	6	11	3	5	3	10	7	4	95
Winnebago	1	2	0	1	1	0	1	0	2	2	1	2	1	1	1	2	0	18
Winneshiek	2	0	1	3	2	5	3	2	2	3	3	3	3	2	0	4	2	40
Woodbury	10	19	4	11	7	12	9	12	12	14	12	7	17	10	11	11	9	187
Worth	2	4	2	0	0	1	0	3	0	0	1	0	2	1	2	0	0	18
Wright	0	1	1	1	3	1	2	3	1	2	2	0	3	0	1	0	2	23
State of Iowa	321	336	322	318	287	334	336	314	317	398	366	335	346	326	308	303	321	5588



Table 5. Deaths to Teen-Aged Residents Caused by Suicide in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1996
Jefferson	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	4
Johnson	2	1	0	0	1	0	0	0	1	0	1	2	1	0	1	0	0	10
Jones	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	1	6
Keokuk	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Kossuth	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Lee	3	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	8
Linn	1	3	2	1	0	1	0	0	3	4	3	2	2	1	1	2	2	28
Louisa	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Madison	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3
Mahaska	0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	4
Marion	0	0	0	0	0	0	0	1	0	2	1	0	0	1	0	0	0	5
Marshall	1	1	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	8
Mills	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mitchell	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	3
Monona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monroe	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	0	0	1	2	2	1	1	0	1	0	0	2	0	1	0	1	0	12
O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Plymouth	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	3
Pocahontas	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
Polk	3	1	8	2	0	4	4	6	7	3	2	4	6	6	2	3	1	62
Pottawattamie	1	2	0	0	0	1	1	1	0	0	0	1	0	1	2	1	0	11
Poweshiek	1	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	6
Ringgold	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
Sac	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3
Scott	2	2	2	0	3	2	2	3	3	2	3	1	2	1	3	1	5	37
Shelby	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	4
Sioux	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3
Story	0	0	2	1	1	0	0	0	0	1	0	2	0	1	1	0	0	9
Tama	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	3
Taylor	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	3
Union	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	0	3	0	1	1	0	0	1	1	0	1	0	0	1	3	0	0	12
Warren	0	1	2	0	0	0	0	1	0	0	2	0	2	0	0	2	0	10
Washington	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	1	0	0	0	1	0	1	1	1	0	2	0	0	1	0	0	0	8
Winnebago	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	3
Winneshiek	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	3
Woodbury	0	2	1	1	1	2	1	1	0	0	2	1	0	1	0	1	1	15
Worth	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	3
Wright	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
State of Iowa	27	34	41	24	24	26	27	31	31	28	40	31	31	32	30	24	21	502

1996 and another 23 counties had only one. Polk (21) had the most and was the only county with more than five homicide deaths.

From 1980 through 1996, 1,094 Iowans died by homicide. Of these, 280 were Polk residents, 92 were from Scott, 63 from Black Hawk, 60 from Linn, 51 from Woodbury, and 50 from Pottawattamie. These six counties accounted for half (54.5%) of all of Iowa's homicides during these 17 years. Ten counties had no homicides from 1980 through 1996, while 27 counties had one or two residents who died in this manner.

### Deaths Due to Suicide

Iowa recorded 321 suicides in 1996, a number substantially greater than the 1992 low of 287 (Table 4, Figure 1), although it was exceeded in 9 of the 17 years reported. Polk was the only county with at least 20 suicides in 1996. A large majority (85) of the counties had five or fewer; of these, 14 had no suicides in 1996.

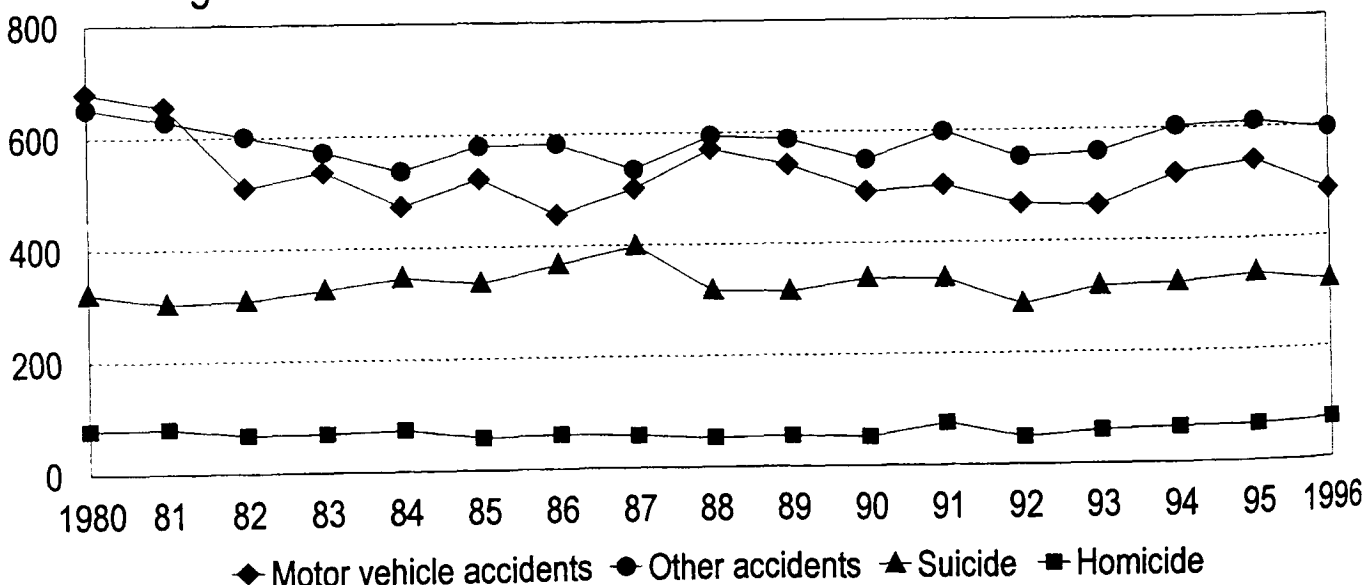
A total of 5,588 Iowans committed suicide from 1980 through 1996. At least 100 occurred to residents of Black Hawk, Clinton, Des Moines, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, and Woodbury counties. Adams and Howard (7 each) had the lowest totals for the 17 years.

Information also is available on the number of teenagers (19 years of age or younger) who committed suicide (Table 5). These vary from a low of 21 in 1980 to a high of 41 in 1994 during the 1980-1996 period. The 502 suicides by teenagers from 1980 through 1996 accounted for less than 10 percent of all suicides during that period.

In 1996, 27 suicides of teenagers were recorded in Iowa. Lee and Polk each had three, which was the highest number reported; none were noted in 79 counties. In the 17 years noted in Table 5, only Black Hawk, Dubuque, Linn, Polk, and Scott averaged at least one teenage suicide per year (total of 17 or more suicides). Cerro Gordo, Clinton, Des Moines, Johnson, Muscatine, Pottawattamie, Wapello, Warren, and Woodbury were the only others with at least 10 suicides committed by teenagers from 1980 through 1996. No such deaths were recorded in Butler, Cass, Chickasaw, Davis, Fremont, Greene, Howard, Iowa, Lucas, Monona, Montgomery, O'Brien, Osceola, Van Buren, and Wayne counties during that period.

**Note:** See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Figure 1. Deaths due to selected causes in Iowa, 1980-1996.





## Injuries and Fatalities on Farms in Iowa's Counties:

### 1990-1996

Willis Goudy, Iowa State University  
 Ma En-hua, Iowa State University  
 Liu Dong Wang, Iowa State University  
 Sandra Charvat Burke, Iowa State University  
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Information on injuries and fatalities occurring on Iowa's farms is collected annually by the Iowa Department of Public Health through its Sentinel Project Researching Agricultural Injury Notification Systems. The first year for which data were gathered was 1990.

#### **Injuries on Farms**

In 1996, 1,950 farm-related injuries occurred in Iowa (Table 1). The number of injuries increased between 1990-1992 and 1993-1994; declines occurred between 1992-1993 and 1994-1996. A total of 13,946 farm injuries were related to work in the seven years studied. Fewer work-related injuries were counted in 1996 than any other year. Leisure-related injuries on farms, though fewer in number, differed greatly from year to year. They peaked at 568 in 1992 after a low of 277 in 1990; the 1996 total of 252 was the lowest in these seven years.

Buchanan, Sioux, and Winneshiek were the only counties listing at least 500 farm-related injuries from 1990 through 1996. Another eight (Black Hawk, Crawford, Dubuque, Fayette, Humboldt, Lee, Poweshiek, Washington) noted 300-499. Of the 30 counties where injuries totaled less than 100 in the 1990-1996 period, Buena Vista, Cerro Gordo, Dallas, Polk, Scott, and Worth had fewer than 50.

In the seven years examined, work-related injuries on farms ranged from fewer than 50 in 12 counties to more than 250 in nine (Black Hawk, Buchanan, Crawford, Dubuque, Fayette, Poweshiek, Sioux, Washington, Winneshiek). Eleven counties reported more than 50 leisure-related injuries during the seven-year period; 22 counties had fewer than 10 such injuries.

#### **Fatalities on Farms**

In 1996, 47 farm-related fatalities occurred in Iowa. Of the 33 counties that had fatalities, 10 reported two or three fatalities while the other 23 had one each. Sixty-six counties had no fatalities that were related to farms in 1996.

From 1990 through 1996, 454 farm-related deaths took place in the state. All counties had at least one farm-related fatality. Six counties (Clayton, Delaware, Jackson, Jasper, Marion, Pottawattamie) had at least 10. When single years are examined, no county had more than five farm-related fatalities in any one year.

**Note:** Additional information is available from the Iowa Department of Public Health (Lucas State Office Building, Des Moines, IA 50319).

Table 1. Farm-Related Injuries and Fatalities in Iowa Counties, 1990-1996.

County	Total Injuries							Work-Related Injuries <sup>a</sup>							Leisure-Related Injuries <sup>a</sup>							Total Fatalities							
	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	
Adair	5	5	9	9	29	37	12	5	4	8	8	24	30	12	0	1	1	1	5	7	0	0	0	1	1	1	1	1	0
Adams	19	19	20	22	33	17	32	14	16	14	17	28	11	26	0	2	6	5	5	6	6	0	1	0	0	2	0	0	0
Allamakee	41	40	27	37	32	55	20	31	31	24	36	24	39	17	10	7	3	1	8	16	3	1	0	0	0	0	2	1	1
Appanoose	3	9	3	9	24	5	4	2	8	3	5	10	5	4	1	1	0	4	14	0	0	0	1	0	0	0	0	0	2
Audubon	12	10	24	10	20	5	7	11	10	23	7	15	4	7	0	0	1	3	5	1	0	0	0	1	0	2	0	0	0
Benton	12	15	13	16	59	11	19	11	11	11	14	46	10	16	1	3	2	2	13	1	3	0	1	2	1	0	0	1	1
Black Hawk	34	61	74	34	91	59	8	26	41	55	24	55	43	7	8	20	19	10	36	16	1	0	0	0	1	1	1	1	2
Boone	11	12	10	14	7	22	10	9	10	8	13	7	19	10	2	1	2	1	0	3	0	0	0	0	1	1	0	0	0
Bremer	37	41	44	24	53	43	29	33	37	34	23	43	36	25	4	3	10	1	10	7	4	0	0	2	0	2	0	0	0
Buchanan	95	91	91	70	105	56	40	61	67	71	51	77	46	32	19	17	20	19	28	10	8	1	2	1	1	1	0	0	0
Buena Vista	2	6	3	2	8	4	17	1	6	1	2	6	4	17	1	0	2	0	2	0	0	0	1	0	0	1	0	0	0
Butler	28	40	30	15	23	28	30	24	33	26	13	20	22	26	4	9	4	2	3	6	4	0	1	0	0	1	0	0	0
Calhoun	2	1	16	14	7	7	18	2	0	13	12	6	7	17	0	1	3	2	1	0	1	0	0	0	1	0	2	0	0
Carroll	33	22	26	9	16	5	26	24	19	24	9	12	4	23	3	1	2	0	4	1	3	1	1	0	1	0	0	0	0
Cass	19	26	27	33	30	40	42	19	21	27	31	25	34	39	0	4	0	2	5	6	3	1	1	1	0	0	1	2	2
Cedar	11	16	15	14	24	15	18	11	15	10	11	20	14	17	0	1	5	3	4	1	1	0	0	3	0	0	0	0	0
Cerro Gordo	2	4	1	4	18	6	13	1	4	0	3	14	6	12	0	0	1	1	4	0	1	0	1	0	0	1	0	0	0
Cherokee	11	24	32	7	5	2	7	8	17	27	7	4	1	7	3	7	5	0	1	1	0	0	2	0	0	0	1	1	3
Chickasaw	15	12	12	28	25	27	17	13	10	11	27	20	23	15	0	1	1	1	5	4	2	1	0	0	0	1	1	1	1
Clarke	12	17	20	15	26	3	6	4	13	18	9	17	1	5	8	3	2	6	9	2	1	1	0	1	0	1	3	2	2
Clay	20	16	4	23	18	15	13	20	15	4	21	17	13	11	0	1	0	2	1	2	2	0	0	0	2	1	0	0	0
Clayton	39	26	29	35	42	37	14	34	25	28	30	38	31	14	2	1	1	5	4	6	0	1	1	2	2	5	4	1	1
Clinton	14	16	15	23	27	8	27	14	14	14	21	24	7	24	0	0	1	2	3	1	3	1	1	1	1	0	2	1	1
Crawford	43	32	37	53	45	76	89	34	25	35	53	45	59	67	2	1	2	0	0	17	20	1	1	1	1	3	0	2	2
Dallas	3	3	7	11	11	4	4	2	3	5	10	8	4	4	1	0	2	1	3	0	0	0	0	0	1	0	0	0	0
Davis	16	18	24	24	37	32	14	15	17	24	22	31	27	13	1	0	0	2	6	5	1	1	2	1	0	1	1	2	2
Decatur	9	2	6	9	9	10	18	5	1	6	8	7	9	18	2	1	0	1	2	1	0	1	0	2	2	1	1	0	0
Delaware	31	23	18	18	37	33	44	27	19	16	15	34	31	44	3	2	2	3	3	2	0	3	0	2	0	2	3	2	2
Des Moines	30	12	2	11	14	11	6	15	12	2	9	13	10	5	15	0	0	2	1	1	1	0	1	0	2	2	0	1	1
Dickinson	5	6	7	6	13	4	15	5	4	4	6	12	4	14	0	1	3	0	1	0	1	0	0	0	1	0	0	1	1
Dubuque	15	38	53	75	71	72	78	13	35	48	64	62	67	70	0	3	5	11	9	5	8	0	1	2	0	0	1	2	2
Emmet	23	15	19	1	7	22	21	22	11	15	1	6	17	19	0	1	4	0	1	5	2	1	0	2	0	0	1	0	0
Fayette	68	61	73	72	84	51	41	61	51	57	66	71	40	37	5	7	16	6	13	11	4	0	1	0	1	1	0	2	2

<sup>a</sup>Work-related and leisure-related injuries do not always add to the total injuries because some injury reports did not include the work/leisure designation.

Table 1. Farm-Related Injuries and Fatalities in Iowa Counties, 1990-1996 (continued).

County	Total Injuries							Work-Related Injuries <sup>a</sup>							Leisure-Related Injuries <sup>a</sup>							Total Fatalities							
	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	
Floyd	9	13	16	24	17	27	19	6	13	16	16	11	15	15	3	0	0	8	6	12	4	1	0	1	0	2	0	0	
Franklin	23	22	17	13	13	16	13	15	18	17	12	11	16	13	8	2	0	1	2	0	0	0	2	2	0	0	1	0	
Fremont	5	4	18	13	10	8	11	2	1	17	10	7	6	9	0	0	1	3	3	2	2	0	0	2	2	0	0	0	
Greene	18	8	14	24	41	27	36	14	7	14	24	39	26	33	1	0	0	0	2	1	3	0	1	0	0	1	1	0	
Grundy	20	21	22	6	13	30	17	16	18	20	5	12	24	16	1	3	2	1	1	6	1	0	1	0	0	0	0	0	
Guthrie	9	4	14	11	25	16	13	5	4	13	10	22	16	12	1	0	1	1	3	0	1	0	0	0	0	1	0	0	
Hamilton	11	5	7	11	16	26	3	8	5	6	10	14	16	2	3	0	1	1	2	10	1	0	0	0	1	0	1	0	
Hancock	24	25	14	24	35	33	34	20	22	13	23	32	33	29	1	3	1	1	3	0	5	0	0	0	1	0	0	1	
Hardin	12	14	19	18	13	26	22	9	14	18	18	11	18	20	3	0	1	0	2	8	2	0	2	0	0	0	1	0	
Harrison	32	26	38	34	32	9	7	29	19	33	31	26	7	7	2	6	5	3	6	2	0	0	0	1	0	0	0	1	
Henry	8	19	13	4	18	22	18	6	14	12	3	16	17	18	2	2	1	1	2	5	0	2	2	0	0	3	2	0	
Howard	45	29	35	37	55	41	9	40	22	32	35	47	38	8	5	7	3	2	8	3	1	1	0	0	1	0	2	0	
Humboldt	28	60	66	79	56	20	4	24	47	47	66	42	17	4	2	13	19	13	14	3	0	0	0	0	0	0	0	1	
Ida	5	4	1	4	22	11	6	5	4	0	4	22	10	5	0	0	1	0	0	1	1	0	0	0	0	0	0	1	
Iowa	18	39	22	41	44	54	43	17	29	18	39	36	44	38	1	6	4	2	8	10	5	0	0	0	0	0	0	2	
Jackson	14	10	18	27	23	15	35	12	6	16	19	14	13	34	1	4	2	8	9	2	1	0	1	1	1	4	5	2	
Jasper	47	28	34	17	39	33	36	39	20	28	13	37	30	29	5	7	6	4	2	3	6	3	0	2	0	4	1	0	
Jefferson	24	24	32	36	29	45	23	21	16	28	27	22	32	19	3	8	4	9	7	13	4	0	1	1	0	1	0	0	
Johnson	24	37	34	38	66	41	45	22	22	21	32	41	38	41	1	15	13	6	25	3	4	1	0	1	0	2	0	1	
Jones	16	11	32	22	20	28	37	16	11	28	19	18	26	37	0	0	4	3	2	2	0	1	1	1	3	0	1	1	
Keokuk	34	27	36	46	51	36	42	30	24	32	40	45	28	36	4	2	4	6	6	8	6	2	0	2	1	0	0	0	
Kossuth	13	19	16	21	14	28	27	11	18	16	19	13	22	25	2	0	0	2	1	6	2	1	1	0	1	1	1	2	
Lee	38	55	58	60	55	57	23	31	40	40	32	34	36	17	7	14	18	28	21	21	6	0	0	0	1	0	0	1	
Linn	13	12	19	7	69	19	19	13	9	19	7	35	15	17	0	3	0	0	34	4	1	0	1	1	0	1	0	1	
Louisa	13	10	9	7	10	5	5	9	6	9	6	9	5	5	3	3	0	1	1	0	0	1	1	0	0	1	0	0	
Lucas	12	9	12	3	4	12	3	11	9	12	3	3	11	3	0	1	0	0	1	1	0	0	0	1	1	0	0	0	
Lyon	13	12	24	25	14	21	24	11	12	19	25	14	21	24	0	0	5	0	0	0	0	2	0	0	0	0	0	2	1
Madison	9	12	33	7	17	20	7	7	7	19	7	9	15	5	2	5	14	0	8	5	2	0	1	0	0	0	3	0	
Mahaska	18	29	42	38	48	25	15	16	23	31	31	39	25	13	1	5	11	7	9	0	2	0	0	0	0	1	0	1	
Marion	16	24	22	28	15	23	9	13	21	19	25	14	21	9	2	2	3	3	1	2	0	3	2	2	1	0	2	3	
Marshall	42	58	47	24	32	22	12	28	52	41	22	26	21	12	11	5	6	2	6	1	0	0	0	3	0	1	0	1	
Mills	6	5	2	7	12	23	7	1	1	2	6	11	21	6	2	1	0	1	1	2	1	0	0	0	0	0	1	0	
Mitchell	11	19	7	11	28	23	. <sup>b</sup>	9	19	6	11	26	20	. <sup>b</sup>	2	0	1	0	2	3	. <sup>b</sup>	3	0	0	1	2	0	. <sup>b</sup>	

<sup>b</sup>Not Available.

Table 1. Farm-Related Injuries and Fatalities in Iowa Counties, 1990-1996 (continued).

County	Total Injuries							Work-Related Injuries <sup>a</sup>							Leisure-Related Injuries <sup>a</sup>							Total Fatalities						
	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990	1996	1995	1994	1993	1992	1991	1990
Monona	8	8	12	8	2	40	9	7	5	12	8	2	27	8	1	3	0	0	0	13	1	2	0	0	2	0	0	2
Monroe	5	15	9	31	34	45	30	4	10	7	28	30	37	26	1	5	2	3	4	8	3	0	2	0	0	0	1	1
Montgomery	2	7	10	1	29	25	15	2	5	8	1	24	22	15	0	1	2	0	5	3	0	0	0	0	2	1	0	
Muscatine	17	19	16	14	25	12	11	14	18	16	12	21	12	9	1	1	0	2	4	0	2	2	1	2	1	0	0	0
O'Brien	19	39	31	47	40	50	42	16	33	24	39	38	42	39	3	6	7	8	2	8	3	1	0	0	0	0	0	0
Osceola	. <sup>b</sup>	33	32	3	8	11	14	. <sup>b</sup>	32	30	2	7	10	13	. <sup>b</sup>	1	2	1	1	1	1	. <sup>b</sup>	1	0	0	2	0	1
Page	10	5	26	28	21	13	23	7	5	20	23	19	12	15	2	0	6	5	2	1	8	1	0	0	1	0	0	0
Palo Alto	7	7	4	7	10	10	21	5	5	3	5	10	10	20	2	2	1	2	0	0	1	0	2	0	0	0	0	1
Plymouth	7	24	13	9	22	19	18	6	22	11	8	22	16	14	0	2	2	1	0	3	4	0	1	1	1	2	1	2
Pocahontas	6	21	15	13	16	11	18	6	19	14	12	15	10	15	0	0	1	1	1	1	3	0	0	0	0	0	0	2
Polk	2	2	5	6	10	3	4	2	2	3	4	7	3	3	0	0	2	2	3	0	0	0	0	0	2	0	0	1
Pottawattamie	15	21	24	35	48	40	25	7	14	24	32	35	35	17	3	2	0	3	13	5	8	0	1	1	3	5	3	4
Poweshiek	50	49	59	55	45	57	86	40	33	43	44	36	48	64	8	16	16	11	9	9	22	0	1	1	0	2	1	0
Ringgold	29	25	24	25	26	23	31	23	20	20	22	23	20	22	4	4	4	3	3	3	8	0	0	1	0	1	0	2
Sac	19	6	21	16	29	9	26	17	6	18	14	24	8	24	2	0	3	2	5	1	2	0	1	0	0	2	0	0
Scott	1	3	8	20	4	7	4	1	3	7	14	2	5	4	0	0	1	6	2	2	0	0	0	1	0	0	0	0
Shelby	19	15	12	13	12	28	43	13	13	12	13	12	27	38	5	2	0	0	0	1	5	0	2	1	0	0	1	3
Sioux	23	91	110	64	109	118	89	22	76	103	60	84	99	69	1	10	7	4	25	19	19	0	1	3	0	1	1	1
Story	32	15	6	16	47	31	19	30	11	6	15	42	28	18	2	4	0	1	5	3	1	0	0	0	2	1	1	0
Tama	34	54	54	23	48	49	17	27	42	43	18	42	41	14	5	11	11	5	6	8	3	0	2	1	0	0	3	1
Taylor	10	13	25	28	20	10	13	10	12	19	25	16	6	9	0	1	6	3	4	4	4	0	0	0	0	0	1	0
Union	5	2	6	13	10	16	12	5	2	4	12	8	10	11	0	0	2	1	2	6	1	0	0	1	0	0	0	0
Van Buren	16	17	28	26	41	32	33	13	15	24	20	34	26	29	2	2	4	6	7	6	4	1	1	0	0	0	1	1
Wapello	18	12	43	48	47	36	27	8	6	32	32	35	28	24	7	6	11	16	12	8	3	0	0	0	0	0	1	0
Warren	7	7	6	5	10	5	13	5	3	5	4	8	4	10	2	4	1	1	2	1	3	2	0	2	0	2	1	1
Washington	43	39	63	51	57	39	39	35	35	56	48	56	32	35	6	1	7	3	1	7	3	0	1	0	0	4	0	1
Wayne	16	29	37	37	35	69	15	10	16	24	29	25	51	13	5	7	13	8	10	18	2	0	0	1	0	0	0	0
Webster	4	11	22	38	83	12	2	4	11	15	29	68	8	2	0	0	7	9	15	4	0	0	0	2	1	2	0	0
Winnebago	5	2	1	4	22	11	10	5	2	1	3	19	8	9	0	0	0	1	3	3	1	0	0	0	2	1	2	0
Winneshiek	97	104	109	90	123	111	55	85	95	98	83	113	93	39	8	6	11	7	10	18	16	1	0	0	0	0	0	5
Woodbury	17	6	3	8	12	12	6	13	5	2	8	11	7	6	4	1	1	0	1	5	0	1	0	1	0	0	0	4
Worth	4	2	2	. <sup>b</sup>	4	3	4	3	2	2	. <sup>b</sup>	4	3	3	0	0	0	. <sup>b</sup>	0	0	1	0	0	0	. <sup>b</sup>	0	1	1
Wright	53	40	13	8	20	15	9	49	38	12	6	16	12	8	4	1	1	2	4	3	1	0	0	1	1	0	0	2
State of Iowa	1950	2176	2433	2304	3075	2636	2166	1587	1774	2046	1971	2507	2181	1880	252	316	387	333	568	455	277	47	54	66	51	83	69	84

## Marriages and Dissolutions in Iowa's Counties:

### 1980-1996

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Marriages and dissolutions for Iowa and its counties are recorded annually by the Iowa Department of Public Health. Both marriages and dissolutions are counted according to the county in which they occur. Dissolutions are, for the most part, divorces, although annulments also are included.

#### Marriages

Iowa recorded 22,711 marriages in 1996, 138 more than in 1995 (Table 1, Figure 1). This was the fifth time since 1980 that there had been an increase in marriages over the previous year; declines occurred each year from 1982 to 1987 and from 1989 to 1993. The largest year-to-year drop of the period was between 1984 and 1985 (-1,788).

The increase in marriages from 1987 to 1989 must be interpreted with caution. As of 1988, the State of Illinois added a requirement for a blood test for HIV (Human Immunodeficiency Virus) before a marriage license would be issued. Discussions with county officials in eastern Iowa indicate that a portion of the increase in marriages reported in several Iowa counties bordering the Mississippi River was due to Illinois residents. Thus, an unknown proportion of the increase in marriages from 1987 to 1989 in Iowa was caused by the change in the law in Illinois; this law was rescinded in September of 1989.

In 1996, Polk's 2,840 marriages constituted the highest number in any county. Linn and Scott also had more than 1,000 marriages that year. Forty counties had fewer than 100 marriages in 1996, with the lowest numbers in Adams, Audubon, Osceola, Ringgold, and Taylor.

Fifty-five of the counties followed the state trend with more marriages in 1996 than in 1995. Pottawattamie, Story, and Tama increased by at least 50. The greatest decline occurred in Polk (-117), the only county decreasing by more than 100 marriages; no others declined by at least 50.

Six hundred fewer marriages occurred in Iowa in 1996 than in 1986. Fifty-six counties mirrored this trend. Two (Chickasaw, Dubuque) had at least 100 fewer marriages in 1996 than in 1986. Increases occurred in 41 counties, with Linn, Madison, and Woodbury gaining more than 50 marriages when 1986 and 1996 were compared.

#### Dissolutions

There were 10,347 dissolutions in Iowa in 1996, 198 fewer than in 1995. Between 1980 and 1996 there were seven times when dissolutions increased compared with the previous year and nine times when dissolutions decreased (Table 2, Figure 1). Most of these year-to-year changes were modest, but between 1981 and 1982 there was a decline in dissolutions of 1,202. This large decrease followed the year (1981) in which the number of dissolutions was the highest ever recorded in Iowa.

Table 1. Marriages in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	57	37	59	34	43	49	63	49	59	51	58	62	82	54	60	74	57
Adams	42	33	29	31	20	24	24	35	41	38	40	43	38	34	45	43	36
Allamakee	119	124	129	121	123	110	134	133	118	115	121	133	150	144	139	150	149
Appanoose	129	100	130	129	131	121	157	113	112	104	115	125	112	130	106	119	129
Audubon	45	31	42	49	47	45	48	48	65	54	42	49	71	82	74	70	64
Benton	153	141	150	174	159	150	156	157	153	168	178	160	169	163	158	189	190
Black Hawk	961	1002	974	1007	865	935	1074	1097	958	948	913	1044	1066	1130	1115	1144	1256
Boone	177	191	164	179	196	208	179	202	224	192	194	216	209	205	209	224	235
Bremer	180	173	160	182	183	162	169	203	186	196	167	175	209	206	198	191	224
Buchanan	163	138	140	162	159	178	174	174	165	141	147	183	170	220	206	213	216
Buena Vista	143	163	136	150	167	149	164	165	164	155	163	180	171	188	189	173	207
Butler	93	91	92	87	98	111	97	81	101	113	103	107	123	127	124	134	122
Calhoun	72	70	67	65	72	70	80	71	69	77	84	76	110	93	99	119	117
Carroll	151	170	178	155	155	147	189	191	177	187	167	163	206	232	247	214	240
Cass	111	119	114	109	122	119	150	141	141	117	126	145	181	162	181	187	160
Cedar	119	125	118	129	153	117	139	121	118	122	117	103	134	140	148	176	156
Cerro Gordo	364	371	365	347	375	384	406	371	346	327	357	375	361	388	448	395	411
Cherokee	101	95	96	94	94	125	94	107	112	102	105	105	124	139	152	164	136
Chickasaw	611	623	601	690	630	721	806	751	800	741	775	791	897	963	915	910	850
Clarke	60	65	68	55	53	67	59	73	53	54	48	58	64	94	66	56	72
Clay	88	111	103	110	127	130	162	123	159	119	104	132	143	149	149	178	144
Clayton	139	150	121	136	155	141	149	162	160	144	151	154	166	164	182	186	204
Clinton	425	414	461	400	437	464	447	591	677	454	454	554	571	540	624	553	560
Crawford	149	146	141	132	128	142	131	119	141	134	144	135	152	176	142	149	163
Dallas	255	265	237	230	175	219	229	228	208	213	216	227	248	252	206	250	230
Davis	51	60	61	66	72	58	57	69	53	61	73	57	72	68	85	74	68
Decatur	88	61	66	59	81	60	67	66	70	80	72	80	75	74	71	75	81
Delaware	107	135	132	118	127	116	137	149	159	162	146	140	162	162	177	141	191
Des Moines	401	377	366	380	427	460	487	572	532	425	415	402	491	449	516	477	457
Dickinson	150	147	152	141	149	158	130	147	133	136	111	135	150	153	133	144	122
Dubuque	758	806	879	796	865	875	888	938	968	887	864	894	920	886	966	917	949
Emmet	87	79	87	78	81	93	107	87	86	109	100	96	115	95	116	107	104
Fayette	152	147	132	156	169	160	193	185	175	157	177	185	182	181	225	219	201

Table 1. Marriages in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	110	120	119	124	124	133	134	123	128	120	137	155	160	145	152	176	153
Franklin	67	69	71	75	70	89	73	73	78	80	60	87	100	89	92	116	79
Fremont	70	65	81	71	72	54	75	73	67	71	66	52	80	81	65	71	80
Greene	70	72	76	73	66	93	107	104	84	74	84	73	86	99	99	99	105
Grundy	70	69	82	80	60	72	76	91	83	62	82	92	101	94	102	90	91
Guthrie	96	85	80	82	85	82	106	87	98	85	92	75	92	92	98	97	112
Hamilton	100	123	136	123	143	124	129	148	126	132	127	125	146	158	181	146	170
Hancock	83	99	75	84	93	93	95	82	80	77	101	101	100	101	103	112	101
Hardin	128	150	145	153	140	137	136	153	150	135	174	172	207	174	172	195	195
Harrison	103	92	100	105	114	130	124	134	117	111	122	136	145	145	137	131	147
Henry	164	159	158	152	171	164	156	171	183	168	158	167	168	166	158	171	164
Howard	69	77	74	61	70	83	75	88	94	68	81	92	106	92	98	82	104
Humboldt	68	71	91	82	64	90	89	67	97	83	75	82	109	98	109	100	107
Ida	72	51	46	65	51	46	63	61	53	63	45	59	66	61	67	65	69
Iowa	97	81	104	90	123	110	129	106	113	85	87	102	118	134	116	145	138
Jackson	152	190	157	157	192	148	184	195	188	198	181	176	177	200	214	218	238
Jasper	284	271	269	264	264	260	289	271	289	295	273	298	296	290	319	307	344
Jefferson	122	136	129	140	171	150	158	155	159	142	139	144	170	184	198	156	144
Johnson	689	651	710	637	653	685	770	774	721	668	677	697	734	746	727	706	731
Jones	151	133	135	145	144	145	155	146	157	137	163	159	138	169	162	187	169
Keokuk	78	66	69	72	64	84	101	77	76	91	66	99	111	118	90	107	122
Kossuth	123	112	142	117	131	119	154	145	143	138	134	152	160	188	212	179	182
Lee	377	376	383	368	359	365	396	487	437	373	372	412	446	423	407	399	442
Linn	1422	1394	1436	1471	1516	1493	1525	1519	1505	1386	1365	1453	1507	1436	1532	1588	1562
Louisa	83	76	83	61	82	76	69	92	96	85	93	91	101	89	97	107	74
Lucas	67	58	55	46	66	64	70	64	83	59	77	72	89	98	97	68	95
Lyon	66	80	61	86	87	71	77	78	78	81	91	90	101	102	120	117	116
Madison	158	135	103	126	97	82	97	101	91	87	79	66	104	108	103	96	100
Mahaska	208	170	201	175	202	195	189	201	194	183	167	179	202	212	214	213	201
Marion	238	237	227	252	239	251	326	258	242	249	259	246	272	266	279	283	296
Marshall	350	364	343	330	353	339	341	346	349	298	302	339	365	360	402	371	378
Mills	88	83	94	96	80	92	105	98	98	69	81	82	107	134	135	115	101
Mitchell	69	70	65	77	68	75	93	80	77	61	80	93	111	103	99	127	101

Table 1. Marriages in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	70	68	61	82	72	86	83	85	82	72	75	72	87	94	116	89	127
Monroe	57	72	83	72	63	68	73	61	65	61	67	77	76	81	77	85	83
Montgomery	105	93	96	104	100	113	99	97	106	90	84	103	101	141	111	117	105
Muscatine	406	422	322	410	355	402	421	429	373	340	415	383	375	412	444	454	398
O'Brien	107	96	111	107	109	97	120	124	113	88	107	119	112	122	139	149	139
Osceola	43	47	44	51	46	55	58	66	57	53	42	47	51	59	73	64	58
Page	123	108	130	146	130	111	144	107	136	136	136	137	163	148	170	136	154
Palo Alto	70	71	69	61	70	94	87	73	78	87	92	97	96	105	108	115	131
Plymouth	154	143	146	155	165	188	169	170	179	162	154	172	183	233	239	228	197
Pocahontas	60	49	42	54	54	56	57	70	76	82	51	84	95	96	93	79	94
Polk	2840	2957	3112	3040	3013	3001	3217	3187	3108	2966	2928	2987	3130	3133	3114	3150	3118
Pottawattamie	823	751	787	731	772	819	938	894	877	877	901	961	1085	1192	1052	998	978
Poweshiek	117	123	132	129	149	143	154	143	121	111	137	141	152	141	146	148	169
Ringgold	33	34	45	43	30	39	39	36	44	29	37	44	58	51	57	49	60
Sac	89	106	82	77	71	93	94	101	82	89	76	110	109	97	96	117	118
Scott	1345	1312	1300	1385	1391	1484	1354	1726	1910	1353	1427	1505	1483	1484	1483	1523	1614
Shelby	103	85	98	125	87	111	120	125	100	118	105	115	136	146	157	153	146
Sioux	233	216	229	231	203	222	221	208	223	225	225	246	245	214	250	247	277
Story	516	464	510	496	517	468	490	513	511	491	475	527	530	538	573	566	589
Tama	158	108	107	112	127	122	143	144	125	121	125	131	134	174	138	142	139
Taylor	41	43	48	58	52	50	55	50	50	47	48	43	67	70	62	71	60
Union	85	108	112	93	115	123	113	121	98	99	108	101	101	112	120	121	164
Van Buren	65	57	69	47	57	53	56	57	53	55	46	55	49	62	52	73	87
Wapello	321	330	320	334	351	363	365	317	353	309	353	369	392	365	424	409	396
Warren	287	293	281	291	307	292	333	304	273	260	278	288	284	315	316	311	329
Washington	173	160	158	157	153	153	137	140	146	152	145	135	176	187	165	181	162
Wayne	64	51	48	55	47	47	51	56	57	63	50	43	75	60	64	57	73
Webster	281	318	333	313	323	330	354	345	372	338	371	365	411	417	442	405	407
Winnebago	97	92	95	73	94	99	87	74	90	95	90	100	114	116	116	106	113
Winneshiek	131	158	149	149	158	130	180	158	147	171	160	151	184	170	188	204	185
Woodbury	774	752	815	716	761	714	760	752	738	674	705	802	844	812	758	843	883
Worth	51	51	45	45	51	48	66	63	48	63	62	54	74	75	71	69	57
Wright	96	90	95	89	84	97	81	104	82	88	99	112	125	149	148	139	152
State of Iowa	22711	22573	22924	22822	23129	23533	24931	25267	25090	23062	23311	24578	26366	26769	27189	27153	27474



Table 2. Dissolutions in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	30	24	27	26	30	21	30	24	22	26	26	27	39	26	24	20	34
Adams	17	15	16	20	14	18	18	11	15	17	23	17	9	27	11	20	11
Allamakee	42	33	32	52	44	31	26	38	24	30	32	43	33	32	25	43	29
Appanoose	61	61	53	53	67	64	54	66	62	34	56	51	55	66	82	50	59
Audubon	21	17	22	18	20	15	23	10	22	15	19	14	21	17	20	29	22
Benton	91	55	81	66	64	80	68	81	79	65	53	58	45	45	50	63	39
Black Hawk	328	400	405	490	553	496	493	523	514	476	496	512	564	560	539	670	671
Boone	105	95	120	110	97	123	96	104	106	120	102	113	95	104	97	114	133
Bremer	68	63	59	84	73	66	70	54	57	56	59	65	76	85	74	79	70
Buchanan	46	53	60	63	51	64	67	56	69	54	53	59	61	41	62	72	64
Buena Vista	58	71	67	49	57	75	75	63	57	56	68	63	54	50	58	72	59
Butler	51	50	40	38	36	40	45	33	42	31	38	42	42	44	37	30	35
Calhoun	26	31	43	28	31	27	39	27	23	27	39	40	32	35	33	37	39
Carroll	53	56	65	62	74	66	48	78	48	56	53	52	52	47	47	53	65
Cass	70	74	53	61	57	50	56	61	60	60	50	60	67	57	67	55	52
Cedar	55	48	44	61	49	64	47	69	53	65	55	55	39	65	67	64	67
Cerro Gordo	161	168	186	198	159	179	166	186	158	186	196	164	191	183	154	228	161
Cherokee	42	50	47	45	36	45	48	50	51	55	36	45	63	54	40	45	46
Chickasaw	20	39	32	37	40	43	28	29	42	37	30	34	32	34	36	38	38
Clarke	28	38	44	38	39	29	44	39	40	51	22	25	30	37	21	60	38
Clay	58	70	71	82	68	75	87	72	62	59	82	70	63	85	76	86	83
Clayton	63	46	56	43	53	41	41	44	44	33	45	49	43	54	49	65	59
Clinton	133	190	183	155	196	204	191	152	201	175	179	241	218	240	258	256	245
Crawford	51	65	65	65	63	67	73	77	62	62	75	53	66	57	64	60	64
Dallas	140	116	160	119	112	126	116	111	128	147	104	123	118	107	115	116	121
Davis	38	36	33	30	27	32	37	26	31	21	26	36	28	38	28	39	32
Decatur	32	42	28	23	31	36	29	32	28	23	31	24	29	33	36	44	37
Delaware	46	31	44	41	54	52	41	48	49	28	26	40	34	33	38	56	35
Des Moines	134	103	123	157	167	184	188	162	194	167	199	170	182	134	182	171	178
Dickinson	52	62	51	57	58	72	63	70	53	52	60	53	50	42	46	67	78
Dubuque	288	297	278	307	275	302	315	274	240	265	251	258	261	231	260	268	293
Emmet	43	37	38	42	26	26	37	38	33	34	32	38	44	27	37	43	57
Fayette	72	80	68	61	74	55	82	64	64	52	54	44	67	56	40	60	64

Table 2. Dissolutions in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	49	74	82	48	41	52	57	57	56	55	51	56	56	60	76	59	82
Franklin	44	41	40	37	39	36	32	32	34	30	28	38	37	35	35	48	47
Fremont	33	27	36	30	40	40	33	31	30	25	32	36	26	27	41	48	29
Greene	21	46	41	46	31	41	38	40	40	52	39	30	22	32	33	27	33
Grundy	26	33	38	35	39	22	27	27	21	31	21	33	30	28	18	36	35
Guthrie	46	41	48	58	46	41	42	40	44	41	38	33	34	40	41	39	38
Hamilton	67	79	68	76	87	55	66	60	56	61	58	50	55	65	57	57	56
Hancock	33	39	32	31	24	40	26	21	33	33	32	29	32	33	36	43	35
Hardin	66	77	68	71	60	74	69	68	73	46	52	67	58	62	58	71	62
Harrison	56	63	50	49	58	46	61	57	54	58	57	63	56	62	75	61	58
Henry	85	92	87	82	96	99	86	73	90	66	52	56	64	59	55	65	61
Howard	21	21	27	16	29	33	27	19	30	23	24	23	22	23	22	21	16
Humboldt	26	25	41	45	32	37	29	39	31	34	24	28	39	40	31	32	38
Ida	27	30	22	42	29	36	17	24	27	24	27	20	17	21	30	23	24
Iowa	62	51	49	43	46	38	49	52	37	20	40	29	45	31	42	34	39
Jackson	50	59	67	63	76	63	53	50	62	68	38	53	48	31	45	57	41
Jasper	66	67	84	124	128	145	156	158	131	165	144	123	117	123	132	167	154
Jefferson	68	82	111	96	112	94	85	90	69	76	90	98	82	84	77	71	64
Johnson	273	270	298	238	283	253	237	216	216	286	224	270	289	313	319	305	331
Jones	65	68	57	54	67	57	69	55	54	61	50	59	65	45	51	73	56
Keokuk	23	24	21	26	26	25	12	31	28	28	20	21	21	21	29	39	24
Kossuth	38	59	37	48	43	44	40	38	44	40	44	37	49	34	44	56	49
Lee	139	144	157	157	168	143	203	151	191	179	155	174	186	174	183	216	218
Linn	648	692	600	648	655	647	606	566	608	548	531	584	576	540	541	559	579
Louisa	48	49	61	54	52	44	43	54	51	39	48	40	37	37	40	44	59
Lucas	47	41	47	46	46	47	39	40	40	38	31	51	38	35	48	45	48
Lyon	28	23	27	21	16	19	11	19	26	15	19	24	13	20	13	18	18
Madison	51	54	44	49	47	54	62	50	42	56	32	35	27	53	41	53	45
Mahaska	109	124	124	116	118	132	125	96	115	81	72	108	107	99	89	103	100
Marion	117	125	118	139	107	106	127	122	114	137	111	109	122	98	106	113	112
Marshall	179	191	191	194	221	182	195	174	201	166	163	160	152	190	185	193	219
Mills	42	67	56	58	53	47	54	48	50	41	60	31	59	54	40	65	62
Mitchell	30	33	37	27	25	29	27	20	23	25	19	23	24	28	17	22	21

Table 2. Dissolutions in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	40	34	43	33	29	26	25	32	44	27	34	29	26	37	20	45	39
Monroe	28	24	38	31	32	37	38	28	29	26	19	23	27	24	30	26	26
Montgomery	70	75	56	64	58	51	44	68	72	72	64	68	62	42	39	77	69
Muscatine	207	197	219	220	255	187	212	219	244	279	225	212	225	229	238	227	227
O'Brien	43	39	35	45	39	40	41	35	45	44	28	37	32	28	29	40	28
Osceola	16	20	13	19	14	17	16	18	13	11	16	11	12	17	16	19	8
Page	74	55	76	70	90	89	70	75	60	67	75	75	63	99	69	109	73
Palo Alto	31	34	33	28	20	22	22	29	21	18	28	29	34	31	34	27	35
Plymouth	63	61	59	64	74	56	65	47	72	51	53	63	63	56	42	54	55
Pocahontas	25	31	23	20	29	21	30	27	31	26	18	18	27	32	29	22	33
Polk	1677	1529	1761	1608	1709	1810	1642	1665	1780	1705	1707	1716	1578	1571	1703	1888	1919
Pottawattamie	434	499	418	446	499	466	465	465	468	439	488	446	434	429	465	553	513
Poweshiek	65	59	69	70	77	69	71	82	60	60	75	58	58	82	55	55	48
Ringgold	16	17	15	14	17	18	21	21	16	16	17	10	28	28	20	30	17
Sac	30	36	31	39	30	37	32	29	28	32	37	29	30	31	38	33	35
Scott	648	630	719	679	677	649	725	664	735	777	743	747	736	804	873	962	984
Shelby	36	39	36	35	44	39	37	41	40	36	33	31	33	37	31	53	39
Sioux	59	57	48	57	48	53	48	41	55	33	46	42	46	52	40	31	48
Story	178	184	231	172	124	212	208	211	212	203	195	165	207	226	253	258	241
Tama	55	51	62	51	54	49	58	65	51	53	56	45	56	51	58	58	46
Taylor	15	24	24	27	17	20	12	15	22	25	29	30	25	30	19	28	19
Union	48	56	64	52	54	51	74	63	46	46	63	45	60	65	77	64	72
Van Buren	23	43	30	28	31	36	40	26	30	32	32	27	22	23	25	30	17
Wapello	187	153	188	158	148	197	204	157	177	169	166	209	224	206	210	228	215
Warren	168	139	134	144	133	135	149	128	130	155	122	133	120	121	140	146	138
Washington	61	86	67	64	68	79	86	60	70	61	70	76	66	68	66	70	43
Wayne	20	23	14	24	28	22	30	32	17	25	19	16	31	17	33	28	21
Webster	164	180	174	203	163	173	177	184	174	197	167	148	168	174	169	189	188
Winnebago	46	43	39	43	46	34	35	31	29	27	39	36	49	21	34	35	48
Winneshiek	55	49	48	41	41	43	50	45	67	41	65	68	48	49	46	48	51
Woodbury	478	472	464	428	467	443	447	449	451	409	429	474	431	490	475	526	540
Worth	24	23	28	21	30	21	23	20	22	27	16	23	19	18	19	26	22
Wright	57	56	66	54	44	48	72	45	43	55	54	57	61	57	51	50	66
State of Iowa	10347	10545	10885	10700	10924	10939	10913	10507	10808	10527	10324	10525	10509	10588	10869	12071	11854

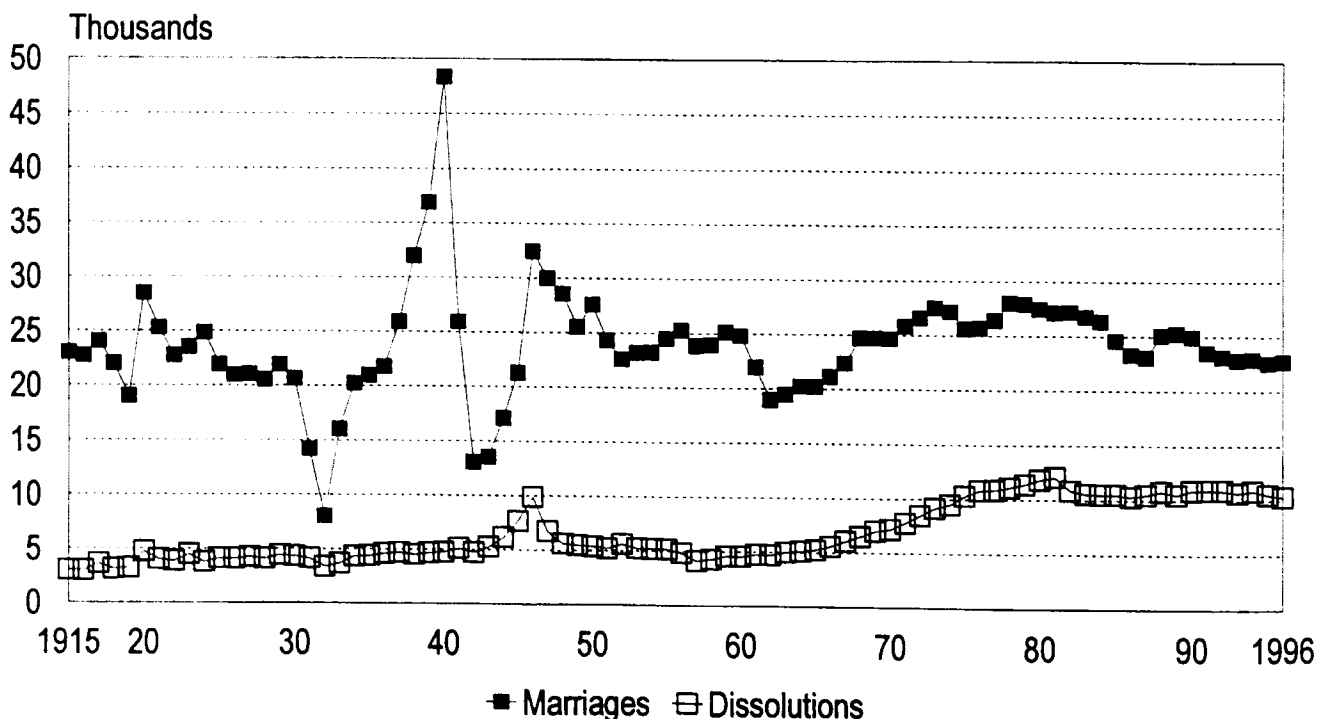
Dissolutions were highest in 1996 in Polk, the only county with more than 1,000. Other counties with at least 300 dissolutions that year were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury. Forty-five counties reported fewer than 50. Adams, Osceola, Ringgold, and Taylor were the only counties with fewer than 20 dissolutions.

Between 1995 and 1996, the number of dissolutions remained the same in two counties, decreased in 56, and increased in 41. Increases were 10 or more in 13 counties, although a gain greater than 40 occurred only in Polk. Among the counties with fewer dissolutions in 1996 than in 1995, 36 declined by 10 or less. The largest drops occurred in Black Hawk, Clinton, and Pottawattamie, the only counties where the number of dissolutions declined by at least 50.

Across the state, there were 23 more dissolutions in 1996 than in 1986. More than half (57) the counties followed that trend. Thirty-seven counties had fewer dissolutions at the end of the period than at the beginning, while five had the same number both years. Black Hawk, Des Moines, Jasper, Pottawattamie, and Scott had at least 50 fewer dissolutions in 1996 than in 1986. Among counties that had more dissolutions at the end than the beginning of the period, most showed relatively low gains. Only Linn had at least 50 more dissolutions in 1996 than in 1986.

**Note:** See an annual publication called VITAL STATISTICS OF IOWA for additional data on marriages and dissolutions (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Figure 1. Marriages and dissolutions in Iowa, 1915-1996.



# Employment and Unemployment in Iowa's Counties: 1980-1996

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Iowa's labor force was estimated to include 1,599,000 people in 1996 (Table 1). The state's labor force generally declined from 1980 through 1984. The pattern changed back to growth from 1984 to 1985 and increases occurred each year until a decline took place from 1989 to 1990. Since then, increases generally occurred through 1996, with a gain of 38,000 occurring between 1995 and 1996. Labor force data include persons who are unemployed and looking for work as well as those who are already employed. This information is estimated by Iowa Workforce Development (formerly the Iowa Department of Employment Services) in cooperation with the Bureau of Labor Statistics of the U.S. Department of Labor; the methods used are consistent from state to state. The information on unemployment includes the number of persons receiving unemployment benefits plus an estimate of the number unemployed who do not receive such benefits. The data on employment are derived from monthly surveys of those employed in nonfarm jobs plus estimates of those self-employed and those working on farms. Additional factors are applied to account for multiple job holders, commuters, and new and re-entering workers.

In 1996, Polk County had 215,200 in the labor force, nearly double the next highest county (Linn, 109,400). Adams and Ringgold, in contrast, reported fewer than 3,000 in the labor force. Polk's labor force increased by 35,600 between 1986 and 1996. Black Hawk, Dubuque, Johnson, Linn, Story, and Woodbury each had gains of more than 5,000. Although Iowa had 160,000 more people in the labor force in 1996 than in 1986, 20 counties had a smaller labor force at the end of the period. Of these 20 counties, none declined by as much as 1,000, however.

## Employment

Employment in Iowa in 1996 (1,539,000) was 32,500 above that for 1995 (Table 2); the 1996 figure was the high point in the period examined. The annual gains recorded from 1985 through 1989 and again from 1990 to 1994 show that the state rebounded from employment losses from 1980 through 1982 and from 1984 to 1985.

In Iowa's counties in 1996, the number employed ranged from under 3,000 in Adams and Ringgold to 209,000 in Polk. Seventeen counties were in the 3,000 to 4,999 range. Five urban counties (Black Hawk, Johnson, Linn, Scott, Woodbury), in addition to Polk, had more than 50,000 employed in 1996; another 31 had employment totals ranging from 10,000 to 49,000.

The state had 201,000 more employed persons in 1996 than in 1986, an increase of 15.0 percent. Polk increased the most (+39,700) and Linn was second (+22,400); Black Hawk was the only other county gaining at least 10,000 employees. Black Hawk, Linn, and Polk, together accounted for nearly two-fifths (37.9%) of the state's gain in employment from 1986 to 1996. Sixteen counties had lower numbers employed in 1996 than in 1986, although no county had a decrease as great as 1,000 during this period.

Between 1986 and 1996, employment increased more than 25 percent in 10 counties (Black Hawk, Bremer, Clinton, Dallas, Linn, Madison, Monroe, Wapello, Warren, Washington), with the greatest percentage increase occurring in Bremer (+37.4%) and Madison (+38.8%). Declines from 1986 to 1996 of at least 10 percent occurred in Adams and Lucas.

Table 1. Labor Force Estimates in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4660	4460	4330	4150	4180	4010	4010	4550	4620	4410	4450	4430	4420	4560	4440	4450	4560
Adams	2400	2400	2460	2370	2410	2410	2430	3100	3190	3050	2920	2870	3030	2780	2660	2590	2690
Allamakee	7760	7610	7680	7480	7410	7250	7160	7680	7630	7470	7510	7390	7380	7150	6990	6920	7040
Appanoose	6670	6640	6810	6790	6710	6600	6340	6530	6600	6320	6150	5850	5910	5780	6020	6020	6110
Audubon	3760	3670	3710	3650	3820	3740	3600	3510	3490	3490	3660	3740	3880	4090	4050	4100	4060
Benton	12370	11790	11750	11670	11330	11080	11400	10790	10800	10230	10730	10650	10660	10830	10940	10910	11200
Black Hawk	68800	67900	68100	69200	66200	64000	62100	61400	60600	58060	59220	59880	61710	64950	67170	68690	69500
Boone	13830	13570	13710	13460	13030	12830	12600	12800	12890	12040	12250	11940	12070	12310	12090	12290	12300
Bremer	12900	12300	12400	12700	12300	11900	11400	10700	10500	10120	10120	10190	10590	11190	10720	10610	10920
Buchanan	10910	10700	10650	10380	10030	9840	9550	9950	10080	9810	9970	9900	10130	11270	11110	10910	11250
Buena Vista	11320	11040	11160	11090	10790	10500	10000	11350	11630	11090	10940	10990	10930	11110	10330	10560	10750
Butler	8210	8070	8260	7930	7890	7560	7320	7450	7350	7470	7660	7730	7920	8140	7820	7880	8290
Calhoun	5270	5180	5180	5270	5190	5040	4960	5510	5560	5450	5580	5660	5790	6150	6200	6200	6240
Carroll	12170	11920	12010	12120	11560	10980	10690	11720	11440	11120	11160	11080	11200	12270	12050	12180	11700
Cass	7800	7680	7770	7790	7720	7510	7530	8520	8400	8260	8340	8510	8780	9250	8970	8910	8890
Cedar	9800	9470	9670	9670	9300	9220	9070	9670	9560	9030	8980	8880	9020	8440	8520	8290	8370
Cerro Gordo	27200	26080	25980	25980	25510	25810	25170	26370	26490	25610	25570	25450	24710	24110	23920	24620	24090
Cherokee	7090	6920	7080	7050	6950	6880	6710	7010	7120	7100	7510	7450	7550	7740	7610	7630	7710
Chickasaw	7840	7700	7600	7480	7270	7100	7060	7320	7220	7170	7320	7470	7340	7330	7130	7170	7340
Clarke	3980	3870	4000	4090	4220	4360	4220	4590	4440	4200	4140	4010	3920	4700	4550	4710	4820
Clay	10270	9670	9650	9410	9060	8850	8960	9270	9240	8780	8750	8890	9150	9810	9900	10080	10240
Clayton	10840	10460	9620	9680	9620	9200	9190	10200	10220	9770	10010	9930	10110	10540	10320	10250	10300
Clinton	27870	26950	27120	27390	27020	26150	25530	23820	23790	23030	23230	23260	23940	25570	26570	26960	28050
Crawford	9000	8800	8850	8880	8660	8430	8500	8980	9200	9120	9150	9060	9240	10470	10230	10130	9840
Dallas	18800	18400	18100	17800	17100	16400	16100	17000	16300	15480	15200	15020	15820	15520	13560	13300	13450
Davis	4440	4340	4340	4280	4100	4010	3860	3840	3870	3740	3860	3680	3760	3700	3720	3690	3600
Decatur	3900	3930	4030	3950	3890	3850	3790	3930	3820	3940	4070	4230	4090	3980	4160	4070	4160
Delaware	9570	9190	9340	9080	9070	8970	8790	8880	8720	8410	8420	8490	8760	9140	8960	8880	8950
Des Moines	24030	23430	23600	23710	23060	22440	22030	23100	23020	22480	22120	21410	21520	19060	19240	19600	19720
Dickinson	10170	9730	9540	9500	8850	8280	8030	9780	9340	8770	8650	8510	8670	7700	7480	7430	7380
Dubuque	50500	49900	50100	49900	48400	47300	46000	44900	44700	43590	43360	42330	41900	42750	43100	44980	45670
Emmet	5760	5550	5650	5760	5770	5690	5540	5050	5100	5070	5220	5410	5690	5920	6160	6340	6280
Fayette	11520	11430	11500	10790	10660	10400	10260	10550	10610	10380	10870	11130	11470	11530	11420	11370	11560

Table 1. Labor Force Estimates in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	8420	8120	8480	8710	8760	8620	8550	8730	8720	8410	8390	8470	8620	7680	7740	7750	7980
Franklin	6180	6040	6070	5870	5840	5690	5730	5290	5340	5480	5710	5770	5670	6300	6350	6280	6540
Fremont	3960	3940	3990	3930	3820	3710	3730	4300	4300	4290	4350	4590	4830	6030	5820	5800	5580
Greene	5230	5130	5250	5290	5240	4990	4880	5230	5190	5190	5290	5320	5400	5350	5320	5300	5640
Grundy	6120	5990	6240	6110	6030	5820	5780	6770	6670	6480	6660	6750	6980	6410	6290	6170	6200
Guthrie	6030	5900	5820	5880	5640	5650	5440	5390	5260	5210	5370	5320	5280	5750	5670	5590	5750
Hamilton	8720	8560	8700	8520	8760	8480	8350	10400	10200	9420	9420	9150	9270	9160	8990	8960	8650
Hancock	6140	6100	6090	5900	5920	5990	6220	6430	6350	6070	6130	6180	6100	6680	6740	7070	7120
Hardin	9680	9580	9610	9580	9490	9430	9380	9580	9760	9790	9950	9960	10120	10880	10860	10950	10890
Harrison	7770	7490	7620	7610	7430	7220	7100	6960	7040	6800	6830	6930	7080	7460	7330	7130	7180
Henry	11300	11120	11070	10830	10530	10170	10020	12280	11830	10910	10440	9970	9460	10000	9860	9940	9900
Howard	5450	5350	5280	4890	4890	4690	4600	5030	5090	4970	4990	5060	5030	5520	5400	5390	5610
Humboldt	5620	5340	5380	5250	5140	5000	4960	5330	5510	5260	5430	5510	5550	5510	5430	5520	5460
Ida	4250	4110	4150	4080	3850	3760	3880	4740	4720	4370	4210	4160	4150	4480	4320	4170	4250
Iowa	9590	9210	9470	9390	9010	8390	7990	8620	8370	8140	8100	8050	8270	8970	8650	8970	9250
Jackson	10750	10400	10950	10920	10610	10270	9990	10880	10800	10270	9980	10100	10130	10480	10390	10300	10390
Jasper	18980	18480	18410	18160	17990	17950	17860	17950	18120	17710	17220	17380	17370	16010	15870	16040	16420
Jefferson	9910	9570	9740	9560	9000	8590	8490	9220	9180	8470	8530	8080	7980	7490	7570	7720	7840
Johnson	65300	64300	64600	63800	60300	58400	57500	62000	60600	59520	58130	54750	53960	48280	45980	44620	43720
Jones	10000	9640	9570	9440	9570	9330	9300	9430	9150	8850	8870	8750	8780	9780	9910	9690	10020
Keokuk	5230	5050	5150	5160	5230	5260	5320	5820	5700	5540	5830	5940	5770	5320	5310	5220	5240
Kossuth	9070	8740	8950	8810	8960	8900	8830	9250	9190	9080	9560	9780	9760	11170	11060	11090	11410
Lee	20230	19660	19710	19660	19590	19480	18870	18450	18520	18450	18700	18630	18810	20210	20620	21390	21430
Linn	109400	107100	105900	104700	99900	96700	96600	97700	96500	91790	89340	85720	83960	84650	85570	87890	89620
Louisa	6690	6490	6460	6560	6360	6090	5900	7800	7790	6610	5860	5110	4960	4890	5600	6160	5370
Lucas	4000	4080	4380	4400	4430	4290	4260	4940	4930	4810	4950	5000	4990	4670	4620	4630	4550
Lyon	5960	5760	5870	5930	5900	5650	5650	6170	6040	5780	5890	5590	5720	6130	6080	6020	6360
Madison	7720	7470	7390	7040	6480	6370	6360	6170	6290	5970	5800	5570	5640	5700	5720	5780	5860
Mahaska	11170	11080	11290	11120	10820	10580	10530	10500	10540	10180	10150	10060	9940	9790	9660	9850	9940
Marion	18220	17520	17050	17130	16390	15890	15730	16370	16190	15560	15010	14260	13930	16170	15940	16330	16270
Marshall	21110	20790	21030	20770	20240	20150	19980	20280	19950	19350	19920	19720	20510	19570	19680	19320	19370
Mills	6230	6180	6590	6550	6600	6550	6420	5610	5620	5460	5570	5850	6050	6450	6570	6410	6410
Mitchell	5770	5690	5710	5500	5300	5170	5150	5830	5770	5640	5760	5760	5650	6120	6090	6070	6000

Table 1. Labor Force Estimates in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	5160	5170	5200	5170	4820	4440	4460	4780	4780	4670	4790	4890	5100	5470	5350	5300	5400
Monroe	4230	4240	4180	4100	3940	3910	3730	4000	3700	3670	3710	3870	3810	4330	4400	4930	4850
Montgomery	6400	6040	6190	6150	6000	5990	6110	6460	6130	5870	5900	6080	6320	6480	6370	6350	6570
Muscatine	21970	21370	21470	21880	21480	20900	20830	21630	21400	20980	21070	20760	20480	21610	21640	21510	20360
O'Brien	8100	7910	8010	7940	7640	7420	7310	8080	8070	7760	7750	7720	7900	8270	7970	7770	7880
Osceola	3820	3690	3680	3640	3700	3580	3510	3540	3500	3420	3480	3510	3690	3510	3540	3520	3440
Page	9410	9100	9230	8980	8570	8160	8120	8450	8410	8130	8400	8570	8750	9020	9080	8940	9020
Palo Alto	5560	5270	5380	5300	5230	4910	4840	5240	5230	5190	5190	5380	5640	5630	5510	5400	5480
Plymouth	13190	12680	12980	12910	12600	12350	11810	12510	12490	12140	11900	11720	11650	11490	11320	11320	11420
Pocahontas	4410	4320	4320	4250	4330	4310	4340	4960	4920	4820	4820	4830	5000	4750	4780	4770	4720
Polk	215200	209500	208800	208700	200100	193300	189500	199100	196100	186320	179650	171370	166850	163030	165450	165500	165770
Pottawattamie	47100	46400	46500	46700	45000	43900	43600	48700	48300	47330	46800	44890	46070	41920	42170	41990	41170
Poweshiek	10520	10380	10400	10370	10170	9800	9970	10920	10830	10300	9980	9710	9490	10260	10230	10090	10170
Ringgold	2750	2630	2720	2680	2700	2610	2560	2580	2590	2520	2610	2580	2670	3340	3300	3300	3230
Sac	6030	5980	6130	6040	6070	5900	5860	5690	5690	5560	5700	5710	6030	6200	6250	6220	6390
Scott	84500	82500	83700	85500	83400	80600	78600	82800	83700	81570	80900	75880	72770	72410	74620	75760	75050
Shelby	7030	6750	6880	6830	6720	6660	6540	6850	6910	6690	6890	7050	7060	6820	6730	6750	6570
Sioux	17560	17010	17210	16880	16120	15450	15260	16390	15980	15150	14900	15160	14890	16560	15790	15790	16200
Story	45810	44820	45570	44910	43030	41920	41750	42550	42080	40100	39610	38950	38500	39240	38170	37960	38470
Tama	9650	9680	9480	9110	8170	8160	8220	8870	8920	8870	8860	8680	8440	9800	9740	9430	9680
Taylor	3600	3380	3300	3230	3220	3280	3090	3360	3330	3390	3510	3540	3640	3570	3540	3480	3500
Union	6450	6320	6310	6470	6320	6050	6060	6620	6540	6330	6370	6200	6320	7320	7350	7320	7160
Van Buren	4200	4030	4050	4030	3840	3720	3610	3630	3650	3750	3780	3740	3700	3910	3850	3890	3820
Wapello	18730	18260	18510	18540	17900	17410	16880	15840	15700	15440	16260	16420	16910	16400	16490	16900	17150
Warren	23300	22800	22600	22500	21500	20700	20300	20600	20400	19290	18540	18580	18850	18290	18540	18680	18850
Washington	11660	11190	11210	11160	10960	10680	10390	9520	9510	9470	9600	9580	9690	9740	9630	9810	9880
Wayne	3410	3350	3390	3290	3310	3140	3200	3280	3250	3220	3260	3270	3370	3810	3760	3790	3710
Webster	20370	20260	20260	20270	19880	19530	19460	20810	20800	20200	20570	20880	21180	21600	22000	22530	22920
Winnebago	6890	6690	6790	6700	6370	5970	6410	7640	7790	7350	7120	7250	7330	6260	5820	5690	5860
Winneshiek	12440	12040	12060	11920	11770	11430	11280	13120	12050	12350	12330	11940	11840	12120	11880	11640	11340
Woodbury	56500	55100	54900	55100	52800	51300	50100	52300	51800	51200	49310	48250	48400	46790	45890	47000	46110
Worth	4280	4110	4070	4090	3940	4010	4030	4980	4870	4650	4430	4450	4550	4010	3830	3810	3970
Wright	7280	7310	7040	7020	7210	7180	7100	7970	7790	7500	7640	8000	8350	8240	7980	7660	7630
State of Iowa	1599000	1561000	1566200	1559900	1511700	1470400	1448000	1513000	1500000	1449000	1439000	1412000	1411000	1420000	1417000	1427000	1432000



Table 2. Estimates of the Number Employed in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4510	4310	4190	4010	4040	3890	3920	4380	4480	4260	4250	4220	4220	4310	4250	4270	4370
Adams	2180	2320	2380	2290	2310	2300	2340	3000	3100	2940	2800	2710	2890	2630	2510	2480	2580
Allamakee	7380	7220	7310	7130	6970	6850	6760	7220	7240	6980	6930	6620	6690	6520	6340	6310	6470
Appanoose	6300	6270	6440	6440	6290	6180	5910	6120	6200	5860	5570	5190	5280	5020	5170	5410	5460
Audubon	3630	3550	3610	3570	3710	3630	3480	3380	3370	3310	3380	3420	3600	3830	3840	3910	3910
Benton	11870	11290	11270	11210	10780	10500	10820	10300	10330	9620	9910	9750	9950	9880	9580	10090	10630
Black Hawk	65600	64800	64700	65400	62000	60000	58600	58100	57100	53190	51650	51260	54300	56350	59010	63170	64630
Boone	13450	13160	13240	12970	12460	12200	12070	12300	12430	11410	11480	11160	11400	11390	11220	11670	11730
Bremer	12500	12000	12100	12200	11700	11300	11000	10300	10100	9400	9140	9230	9780	10160	9680	9890	10280
Buchanan	10380	10220	10140	9800	9380	9260	9040	9440	9590	9120	9040	8790	9090	9960	10030	10140	10540
Buena Vista	11030	10770	10860	10790	10500	10250	9740	11100	11310	10720	10450	10450	10440	10560	9580	10090	10410
Butler	7780	7660	7800	7500	7360	7090	6990	7090	6960	6930	6930	6980	7280	7270	7040	7290	7780
Calhoun	5080	5000	5000	5080	5000	4880	4840	5360	5360	5190	5230	5220	5480	5800	5830	5920	6030
Carroll	11760	11470	11620	11750	11200	10570	10250	11180	10940	10480	10370	10190	10540	11500	11160	11370	11070
Cass	7380	7330	7400	7400	7320	7100	7120	8160	8050	7790	7820	7840	8080	8740	8490	8460	8520
Cedar	9430	9200	9380	9360	8950	8940	8820	9370	9200	8630	8450	8280	8570	7890	7940	7950	8090
Cerro Gordo	26110	25170	24790	24640	23960	24380	23860	25110	25160	24140	23750	23390	23010	22220	22020	22860	22610
Cherokee	6850	6690	6850	6850	6730	6680	6530	6770	6860	6660	7000	7050	7190	7360	7210	7200	7420
Chickasaw	7400	7310	7170	7030	6770	6620	6640	6930	6830	6630	6570	6560	6590	6360	6290	6400	6550
Clarke	3760	3640	3720	3750	3920	4070	4010	4350	4160	3930	3790	3650	3600	4350	4150	4380	4520
Clay	10000	9400	9360	9140	8770	8550	8760	9010	8950	8360	8210	8200	8440	9270	9340	9510	9760
Clayton	10180	9900	9050	9130	9030	8650	8690	9630	9640	9110	9190	8860	9190	9570	9270	9410	9480
Clinton	26540	25630	25880	26040	25410	24570	24060	22230	22170	21250	21120	20750	21570	22560	23260	24760	26470
Crawford	8690	8490	8530	8490	8300	8050	8020	8310	8560	8670	8600	8450	8690	9900	9580	9640	9490
Dallas	18400	17900	17600	17300	16400	15900	15600	16000	15700	14800	14230	14140	14980	14480	12580	12460	12670
Davis	4260	4160	4150	4100	3880	3770	3720	3630	3610	3420	3440	3320	3450	3270	3330	3390	3400
Decatur	3680	3660	3800	3650	3600	3600	3550	3800	3630	3700	3750	3930	3830	3650	3910	3850	3960
Delaware	8950	8720	8830	8580	8560	8490	8400	8360	8320	7920	7750	7550	8020	8190	8030	8150	8270
Des Moines	22860	22390	22480	22430	21620	21120	20890	21750	21610	20990	20210	19130	19470	16550	16770	17650	18150
Dickinson	9840	9400	9140	9180	8540	7980	7770	9490	8970	8300	7970	7710	8060	7120	6920	6970	6980
Dubuque	47600	48100	48200	47800	45700	44400	43300	42200	42300	40920	40000	38280	38320	37580	36960	40150	41760
Emmet	5510	5290	5360	5500	5450	5360	5230	4760	4800	4630	4580	4610	5070	5120	5380	5910	5940
Fayette	11050	10950	11060	10280	10060	9850	9830	10080	10120	9710	9880	10000	10470	10370	10220	10610	10780

Table 2. Estimates of the Number Employed in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	7970	7680	7750	8100	8150	8050	8090	8290	8230	7770	7500	7170	7770	6370	6620	6800	6960
Franklin	5980	5860	5870	5660	5580	5450	5500	5060	5070	5090	5310	5350	5290	5800	5910	6020	6280
Fremont	3810	3820	3850	3740	3600	3530	3600	4140	4130	4090	4050	4200	4470	5740	5550	5620	5440
Greene	5050	4910	5030	5080	5020	4750	4640	4880	4940	4900	4890	4820	4970	4920	4870	4920	5290
Grundy	5880	5760	6050	5920	5800	5630	5630	6580	6410	6200	6260	6340	6600	5920	5910	5930	5920
Guthrie	5820	5700	5590	5650	5390	5410	5230	5060	5060	4930	4960	4940	4960	5420	5320	5270	5480
Hamilton	8440	8200	8420	8220	8320	8130	7960	10030	9900	9040	8860	8570	8710	8570	8450	8450	8250
Hancock	5960	5910	5900	5670	5590	5650	5860	6130	6140	5760	5650	5590	5760	6250	6210	6710	6590
Hardin	9290	9200	9300	9200	8990	8910	8950	9190	9250	9140	9340	9370	9510	10360	10340	10480	10520
Harrison	7460	7150	7270	7250	7000	6840	6820	6560	6600	6360	6290	6290	6540	6820	6730	6750	6860
Henry	10920	10750	10690	10450	10050	9720	9670	11810	11370	10360	9830	9230	8760	9190	9060	9180	9320
Howard	5230	5150	5090	4700	4680	4500	4420	4760	4770	4700	4590	4590	4670	5090	4960	5050	5260
Humboldt	5480	5210	5210	5080	4970	4800	4800	5160	5350	5020	5050	5080	5170	5110	5070	5220	5170
Ida	4130	3990	4050	3980	3740	3630	3780	4610	4600	4230	4040	3950	3980	4340	4180	4040	4110
Iowa	9320	8980	9280	9170	8780	8180	7790	8420	8150	7870	7650	7530	7930	8550	8070	8550	8980
Jackson	10060	9810	10390	10370	9920	9600	9350	10100	10000	9490	9050	8920	9140	9070	8990	9260	9480
Jasper	18340	17860	17800	17480	17270	17160	17230	17210	17370	16850	16110	16300	16230	14630	14180	14760	15160
Jefferson	9590	9210	9290	9150	8520	8190	8140	8770	8740	7880	7850	7500	7470	6870	6790	7190	7370
Johnson	63400	62600	62900	62100	58300	56700	55800	61000	59400	58310	56590	53040	52640	46570	44040	42510	42190
Jones	9580	9230	9170	8990	9000	8850	8850	9040	8790	8350	8270	8010	8120	8950	9010	9080	9470
Keokuk	4970	4810	4920	4900	4910	4990	5080	5530	5380	5200	5350	5450	5320	4810	4750	4670	4800
Kossuth	8770	8400	8590	8490	8520	8420	8440	8820	8730	8500	8810	8940	9120	10460	10260	10390	10720
Lee	19000	18660	18610	18230	18000	18010	17660	17060	16990	16660	16790	16680	16990	17960	18150	19460	19900
Linn	106200	104100	102700	101200	95700	92000	91300	94100	93000	87030	83780	79570	77940	77650	77300	80800	83800
Louisa	6390	6230	6200	6230	5990	5780	5640	7490	7500	6270	5450	4590	4540	4350	5270	5930	5160
Lucas	3790	3860	4150	4130	4130	4050	4000	4700	4720	4540	4660	4620	4650	4350	4260	4340	4280
Lyon	5790	5600	5720	5760	5750	5520	5530	6020	5870	5590	5620	5330	5460	5860	5880	5750	6100
Madison	7410	7160	7070	6730	6130	6020	6090	5850	5960	5660	5340	5160	5240	5230	5250	5370	5530
Mahaska	10780	10690	10940	10690	10370	10100	10120	10000	10160	9710	9460	9220	9320	9090	8860	9190	9390
Marion	17600	16930	16490	16530	15800	15280	15150	15820	15670	15010	14370	13700	13350	15420	15100	15670	15640
Marshall	20340	20120	20410	19930	19410	19420	19320	19510	19140	18170	18490	18170	18950	17490	17820	18130	18300
Mills	6020	5990	6380	6320	6320	6330	6190	5380	5410	5200	5180	5420	5710	6150	6280	6150	6210
Mitchell	5570	5500	5480	5290	5090	4940	4950	5630	5560	5360	5330	5210	5240	5530	5590	5570	5520

Table 2. Estimates of the Number Employed in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	4960	5000	5020	4960	4600	4250	4300	4550	4490	4330	4390	4450	4700	5090	4960	4980	5100
Monroe	4050	4050	4010	3900	3730	3680	3530	3750	3440	3360	3230	3370	3320	3780	3780	4470	4510
Montgomery	6000	5810	5950	5900	5700	5740	5840	6140	5890	5590	5520	5550	5860	6080	5970	6010	6240
Muscatine	20890	20650	20660	20990	20270	19740	19820	20540	20290	19710	19540	19180	19060	19950	20130	20310	19380
O'Brien	7900	7700	7800	7730	7410	7250	7160	7900	7840	7450	7360	7350	7510	7920	7640	7450	7610
Osceola	3700	3570	3560	3530	3570	3470	3410	3400	3320	3250	3230	3240	3450	3270	3280	3300	3260
Page	9030	8770	8890	8630	8080	7680	7740	8040	8070	7700	7830	7870	8150	8320	8410	8510	8660
Palo Alto	5380	5100	5190	5120	5060	4730	4660	5050	5030	4990	4870	4920	5210	5170	5100	5050	5190
Plymouth	12670	12180	12610	12560	12140	11940	11450	12090	12000	11580	11240	10900	10970	10870	10670	10720	10940
Pocahontas	4270	4160	4200	4140	4180	4180	4240	4840	4780	4640	4580	4540	4750	4440	4420	4510	4540
Polk	209000	204000	202800	201400	192700	186400	183400	192000	188800	177970	169300	160110	156950	150850	152150	153370	156450
Pottawattamie	45500	44900	44800	44800	42700	41900	41900	46400	46000	44460	43530	41510	42580	39150	38780	38600	38630
Poweshiek	9990	9970	9970	9860	9700	9350	9520	10540	10500	9910	9480	9090	8930	9600	9540	9590	9640
Ringgold	2650	2520	2610	2590	2590	2500	2450	2460	2460	2340	2450	2400	2470	3050	3110	3180	3120
Sac	5790	5750	5900	5840	5880	5680	5630	5390	5360	5210	5240	5180	5490	5550	5560	5810	6080
Scott	81200	79500	80200	81400	78600	76600	75300	77900	78000	76200	74950	69640	66970	64630	66260	69750	71100
Shelby	6760	6490	6570	6530	6350	6300	6270	6520	6570	6310	6410	6420	6470	6430	6360	6410	6310
Sioux	16990	16490	16690	16440	15650	15020	14840	16060	15610	14560	14210	14430	14240	15910	15070	15040	15530
Story	44510	43560	44220	43530	41390	40280	40240	41840	41360	39160	38350	37640	37280	37570	36540	36440	37160
Tama	9220	9300	9100	8700	7710	7740	7860	8500	8510	8310	8190	8000	8020	9360	9270	9120	9410
Taylor	3350	3210	3100	3100	3070	3140	2980	3220	3200	3180	3260	3250	3380	3270	3320	3340	3360
Union	6120	6030	5980	6170	6030	5690	5770	6360	6230	5930	5950	5750	5800	6780	6890	6880	6800
Van Buren	4030	3870	3880	3860	3640	3520	3490	3350	3380	3420	3420	3360	3410	3530	3440	3580	3530
Wapello	17760	17350	17580	17490	16660	16110	15890	14780	14540	13870	14070	14460	15200	14310	14450	14930	15790
Warren	22800	22300	22100	21800	20800	20100	19800	20000	19700	18490	17670	17620	18010	17350	17500	17640	18000
Washington	11240	10840	10860	10790	10560	10320	10110	9130	9080	8910	8840	8790	9090	9020	8980	9240	9360
Wayne	3240	3220	3260	3120	3130	3020	3110	3180	3100	3040	3060	3030	3150	3540	3530	3620	3560
Webster	19600	19400	19380	19290	18710	18530	18470	19800	19800	18980	18980	19020	19520	19800	20220	21010	21590
Winnebago	6720	6520	6610	6480	6130	5610	5910	7350	7600	7070	6740	6730	7080	5930	5420	5320	5300
Winneshiek	11870	11470	11440	11270	11070	10820	10650	12550	11430	11610	11440	11030	11020	11240	11090	10810	10640
Woodbury	54400	53400	53100	53300	50500	48900	48000	50100	49000	47780	45250	44090	44800	43280	42170	43340	43160
Worth	4120	3970	3890	3910	3740	3790	3770	4740	4650	4410	4080	4040	4250	3690	3510	3500	3650
Wright	7050	7040	6780	6740	6870	6890	6860	7700	7490	7140	7180	7370	7870	7740	7530	7280	7260
State of Iowa	1539000	1506500	1508700	1497100	1440400	1402300	1386300	1448000	1433000	1369000	1338000	1300000	1312000	1305000	1296000	1328000	1350000

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	150	150	140	140	140	120	100	170	140	150	200	200	200	250	200	180	190
Adams	220	70	80	80	90	110	90	100	90	110	130	160	140	150	150	110	110
Allamakee	390	390	370	350	440	390	400	450	390	480	580	770	690	630	650	610	580
Appanoose	380	370	370	360	420	430	420	410	400	460	580	660	620	760	850	610	640
Audubon	130	120	100	90	110	110	120	130	120	190	280	320	280	260	210	180	140
Benton	500	500	480	460	550	570	580	490	480	620	810	900	710	950	1370	820	570
Black Hawk	3100	3000	3400	3800	4200	3900	3500	3300	3500	4870	7570	8620	7410	8590	8160	5520	4870
Boone	380	410	470	480	570	630	530	500	460	630	770	780	670	920	880	620	570
Bremer	400	400	400	500	600	600	400	400	400	710	980	960	810	1030	1040	720	640
Buchanan	530	480	520	580	640	580	520	520	490	680	930	1120	1040	1300	1080	770	710
Buena Vista	280	270	310	300	290	260	260	250	320	370	490	540	490	550	740	470	340
Butler	430	410	450	440	530	470	330	360	390	540	730	750	630	870	770	590	510
Calhoun	200	180	180	190	180	160	120	160	200	260	340	440	310	350	360	290	210
Carroll	410	440	390	380	360	410	440	540	500	640	790	880	660	760	890	820	630
Cass	420	350	370	390	400	410	410	370	360	470	520	680	700	510	470	450	370
Cedar	370	270	290	310	350	280	250	310	370	400	530	600	440	550	580	340	280
Cerro Gordo	1100	920	1190	1340	1550	1430	1310	1260	1330	1470	1820	2060	1700	1890	1900	1760	1490
Cherokee	240	220	230	200	220	200	180	240	260	440	510	400	360	380	390	430	290
Chickasaw	440	390	440	450	500	480	420	400	400	540	760	910	760	970	840	770	780
Clarke	220	240	270	340	300	290	210	240	270	280	350	360	330	350	390	330	290
Clay	270	280	290	270	290	300	200	260	290	420	540	690	710	550	560	560	480
Clayton	660	560	570	540	590	550	500	570	580	660	820	1070	920	970	1050	840	820
Clinton	1340	1320	1250	1350	1610	1590	1470	1590	1620	1780	2110	2510	2370	3010	3310	2200	1590
Crawford	310	300	320	390	370	380	480	670	640	460	550	620	560	570	650	490	350
Dallas	500	400	500	500	600	600	600	1000	600	690	970	880	840	1040	980	840	790
Davis	170	180	190	190	220	250	140	210	270	320	420	360	310	420	390	300	200
Decatur	220	270	230	300	290	250	240	130	200	240	310	300	260	330	250	220	200
Delaware	620	470	510	510	510	480	400	520	400	500	680	950	750	950	930	730	680
Des Moines	1170	1040	1110	1280	1440	1320	1150	1350	1410	1490	1910	2290	2060	2500	2470	1950	1580
Dickinson	330	330	400	320	310	300	260	280	370	470	680	800	610	580	560	470	400
Dubuque	2900	1800	1900	2100	2600	2900	2700	2700	2400	2670	3370	4040	3580	5170	6140	4830	3910
Emmet	250	270	290	250	320	330	310	290	300	430	640	800	620	800	780	430	340
Fayette	470	480	440	510	590	550	430	470	490	670	990	1130	1000	1160	1200	770	780

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	450	440	730	610	600	580	450	440	490	630	890	1300	850	1310	1120	960	1020
Franklin	200	180	200	210	260	240	230	230	270	390	390	420	380	500	440	260	260
Fremont	150	120	140	200	220	180	130	160	170	200	300	390	360	290	270	180	130
Greene	170	220	220	210	220	240	240	350	250	290	400	500	430	430	440	380	350
Grundy	240	230	190	190	230	200	150	190	260	280	400	410	380	490	380	240	280
Guthrie	210	200	230	240	250	250	210	340	200	280	410	380	320	320	350	320	270
Hamilton	280	350	270	300	430	350	390	370	300	370	570	580	560	590	540	510	410
Hancock	190	200	200	230	340	340	360	300	220	300	480	600	340	430	520	370	530
Hardin	390	380	310	380	500	530	440	400	510	640	620	600	610	530	520	470	370
Harrison	310	340	360	360	430	380	280	400	440	440	530	630	530	640	600	390	320
Henry	380	360	370	380	490	440	350	470	450	550	610	740	700	810	800	760	590
Howard	230	200	190	190	210	190	180	270	310	270	390	470	360	430	440	350	350
Humboldt	140	140	170	180	180	200	160	170	160	240	380	420	380	400	370	300	290
Ida	110	110	100	100	110	140	100	130	130	140	170	210	170	150	140	130	140
Iowa	270	230	200	220	230	210	200	200	220	270	450	520	340	420	580	420	270
Jackson	690	600	560	550	690	680	650	780	810	770	930	1180	990	1410	1400	1040	910
Jasper	650	620	610	680	720	790	630	740	750	860	1110	1080	1140	1380	1680	1280	1260
Jefferson	310	360	460	410	490	400	350	440	440	590	680	580	510	620	780	540	470
Johnson	1900	1800	1700	1700	2000	1700	1800	900	1100	1210	1540	1710	1320	1710	1930	2110	1530
Jones	420	410	400	460	570	470	440	400	370	500	600	750	660	830	900	610	550
Keokuk	260	240	230	260	320	270	240	290	320	340	480	500	450	520	560	550	450
Kossuth	300	340	350	330	440	490	390	430	460	580	750	840	630	710	800	700	690
Lee	1230	1000	1100	1430	1590	1470	1210	1380	1530	1790	1920	1950	1820	2250	2470	1930	1540
Linn	3200	3000	3300	3600	4200	4700	5300	3600	3600	4760	5560	6150	6020	7000	8270	7100	5820
Louisa	300	260	270	330	370	310	260	310	280	340	420	520	420	540	340	230	210
Lucas	210	230	230	280	300	240	250	230	210	270	300	380	340	320	360	290	280
Lyon	170	160	150	160	150	130	120	150	170	190	270	260	260	270	200	260	270
Madison	310	320	320	310	350	360	270	320	330	310	460	410	400	470	460	420	340
Mahaska	390	390	350	430	440	480	410	500	380	470	680	850	630	700	800	660	560
Marion	630	590	560	600	590	620	580	550	520	540	640	560	580	750	840	660	630
Marshall	770	680	620	840	830	730	660	770	810	1190	1430	1550	1560	2080	1860	1190	1070
Mills	210	200	220	220	280	230	220	230	210	270	390	430	340	300	290	260	210
Mitchell	200	190	230	210	210	220	200	210	210	280	430	550	410	590	490	500	480

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	200	170	180	200	220	190	160	230	290	340	400	440	400	380	390	320	290
Monroe	190	190	170	210	220	230	200	250	260	310	480	490	490	550	620	460	330
Montgomery	400	230	240	250	300	250	270	320	240	280	390	540	450	400	400	340	330
Muscatine	1080	720	810	890	1210	1170	1010	1090	1110	1270	1530	1580	1420	1660	1510	1200	980
O'Brien	200	210	210	200	230	180	150	180	230	320	390	380	390	350	330	320	270
Osceola	120	130	120	110	130	120	100	140	190	170	260	270	240	240	260	220	170
Page	380	330	340	350	490	480	390	410	350	430	560	710	610	700	670	430	360
Palo Alto	180	170	180	180	170	190	180	190	200	200	320	460	430	470	410	350	290
Plymouth	520	500	370	360	470	400	360	420	490	560	660	830	680	620	650	600	480
Pocahontas	140	160	120	120	160	130	90	120	140	180	240	290	250	310	360	250	190
Polk	6200	5500	6000	7300	7400	6900	6100	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320
Pottawattamie	1600	1500	1700	1900	2300	2000	1700	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540
Poweshiek	530	420	430	500	470	440	450	380	340	390	500	620	560	660	690	500	530
Ringgold	110	110	100	100	110	110	100	120	130	180	160	180	200	290	190	130	120
Sac	240	230	230	200	190	220	230	300	330	350	460	530	540	650	690	410	310
Scott	3300	3000	3400	4000	4800	4000	3300	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950
Shelby	270	260	320	310	380	350	270	330	340	380	490	630	590	390	370	330	260
Sioux	570	520	520	440	470	430	410	330	370	580	690	740	650	660	710	750	670
Story	1310	1260	1350	1380	1640	1640	1510	710	720	940	1260	1310	1220	1680	1630	1520	1310
Tama	440	380	380	410	460	420	360	370	410	560	670	680	420	440	470	310	280
Taylor	240	170	200	130	150	140	110	140	120	210	250	290	260	310	210	140	130
Union	330	290	330	300	280	360	300	270	310	400	420	450	520	540	460	430	370
Van Buren	170	170	170	170	200	200	120	280	280	340	360	380	290	380	410	310	290
Wapello	970	900	930	1060	1240	1300	990	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360
Warren	500	500	500	700	700	600	500	600	700	810	870	970	840	940	1050	1040	850
Washington	420	350	340	370	400	360	280	390	430	560	760	790	590	720	650	580	520
Wayne	170	130	130	180	180	120	90	100	150	190	200	250	230	270	230	170	160
Webster	770	860	880	990	1170	1000	990	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330
Winnebago	180	180	180	220	240	360	490	290	190	280	380	520	260	330	400	370	560
Winneshiek	580	570	620	650	700	610	630	570	620	750	880	910	820	890	790	830	700
Woodbury	2100	1700	1800	1700	2300	2500	2200	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950
Worth	170	140	180	190	200	230	260	240	220	240	350	400	290	320	320	310	320
Wright	240	280	250	280	340	290	250	280	300	350	460	630	480	510	450	370	380
State of Iowa	60000	54500	57600	62800	71300	68100	61700	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000

Table 4. Estimated Unemployment Rates in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	3.2	3.4	3.2	3.4	3.3	3.0	2.5	3.7	3.0	3.4	4.5	4.5	4.5	5.5	4.5	4.0	4.2
Adams	9.2	2.9	3.3	3.4	3.7	4.6	3.7	3.2	2.7	3.6	4.5	5.6	4.6	5.4	5.6	4.2	4.1
Allamakee	5.0	5.1	4.8	4.7	5.9	5.4	5.6	5.9	5.2	6.4	7.7	10.4	9.3	8.8	9.3	8.8	8.2
Appanoose	5.7	5.6	5.4	5.3	6.3	6.5	6.6	6.3	6.0	7.3	9.4	11.3	10.5	13.1	14.1	10.1	10.5
Audubon	3.5	3.3	2.7	2.5	2.9	2.9	3.3	3.7	3.5	5.4	7.7	8.6	7.2	6.4	5.2	4.4	3.4
Benton	4.0	4.2	4.1	3.9	4.9	5.1	5.1	4.5	4.4	6.1	7.5	8.5	6.7	8.8	12.5	7.5	5.1
Black Hawk	4.5	4.4	5.0	5.5	6.3	6.1	5.6	5.4	5.7	8.4	12.8	14.4	12.0	13.2	12.1	8.0	7.0
Boone	2.7	3.0	3.4	3.6	4.4	4.9	4.2	3.9	3.6	5.2	6.3	6.5	5.6	7.5	7.3	5.0	4.6
Bremer	3.1	3.3	3.2	3.9	4.9	5.0	3.5	3.7	4.1	7.0	9.7	9.4	7.6	9.2	9.7	6.8	5.9
Buchanan	4.9	4.5	4.9	5.6	6.4	5.9	5.4	5.2	4.9	6.9	9.3	11.3	10.3	11.5	9.7	7.1	6.3
Buena Vista	2.5	2.4	2.8	2.7	2.7	2.5	2.6	2.2	2.7	3.3	4.5	4.9	4.5	5.0	7.2	4.5	3.2
Butler	5.2	5.1	5.4	5.5	6.7	6.2	4.5	4.8	5.3	7.2	9.5	9.7	8.0	10.7	9.8	7.5	6.2
Calhoun	3.8	3.5	3.5	3.6	3.5	3.2	2.4	2.9	3.5	4.8	6.1	7.8	5.4	5.7	5.8	4.7	3.4
Carroll	3.4	3.7	3.2	3.1	3.1	3.7	4.1	4.6	4.3	5.8	7.1	7.9	5.9	6.2	7.4	6.7	5.4
Cass	5.4	4.6	4.8	5.0	5.2	5.5	5.4	4.3	4.2	5.7	6.2	8.0	8.0	5.5	5.2	5.1	4.2
Cedar	3.8	2.9	3.0	3.2	3.8	3.0	2.8	3.2	3.8	4.4	5.9	6.8	4.9	6.5	6.8	4.1	3.3
Cerro Gordo	4.0	3.5	4.6	5.2	6.1	5.5	5.2	4.8	5.0	5.7	7.1	8.1	6.9	7.8	7.9	7.1	6.2
Cherokee	3.4	3.2	3.2	2.8	3.2	2.9	2.7	3.4	3.6	6.2	6.8	5.4	4.8	4.9	5.1	5.6	3.8
Chickasaw	5.6	5.1	5.8	6.0	6.9	6.8	5.9	5.5	5.5	7.5	10.4	12.2	10.4	13.2	11.8	10.7	10.6
Clarke	5.5	6.2	6.8	8.3	7.1	6.7	5.0	5.2	6.2	6.7	8.5	9.0	8.4	7.4	8.6	7.0	6.0
Clay	2.6	2.9	3.0	2.9	3.2	3.4	2.2	2.8	3.1	4.8	6.2	7.8	7.8	5.6	5.7	5.6	4.7
Clayton	6.1	5.4	5.9	5.6	6.1	6.0	5.4	5.6	5.7	6.8	8.2	10.8	9.1	9.2	10.2	8.2	8.0
Clinton	4.8	4.9	4.6	4.9	6.0	6.1	5.8	6.7	6.8	7.7	9.1	10.8	9.9	11.8	12.5	8.2	5.7
Crawford	3.4	3.4	3.6	4.4	4.3	4.5	5.6	7.5	6.9	5.0	6.0	6.8	6.1	5.4	6.4	4.8	3.6
Dallas	2.7	2.2	2.8	2.8	3.5	3.7	3.7	5.9	3.4	4.5	6.4	5.9	5.3	6.7	7.2	6.3	5.9
Davis	3.8	4.1	4.4	4.4	5.4	6.2	3.6	5.5	6.9	8.6	10.9	9.8	8.2	11.4	10.5	8.1	5.6
Decatur	5.6	6.9	5.7	7.6	7.5	6.5	6.3	3.3	5.1	6.1	7.6	7.1	6.4	8.3	6.0	5.4	4.8
Delaware	6.5	5.1	5.5	5.6	5.6	5.4	4.6	5.9	4.6	5.9	8.1	11.2	8.6	10.4	10.4	8.2	7.6
Des Moines	4.9	4.4	4.7	5.4	6.2	5.9	5.2	5.8	6.1	6.6	8.6	10.7	9.6	13.1	12.8	9.9	8.0
Dickinson	3.2	3.4	4.2	3.4	3.5	3.6	3.2	2.9	3.9	5.4	7.9	9.4	7.0	7.5	7.5	6.3	5.4
Dubuque	5.7	3.6	3.8	4.2	5.4	6.1	5.9	6.0	5.5	6.1	7.8	9.5	8.5	12.1	14.2	10.7	8.6
Emmet	4.3	4.9	5.1	4.3	5.5	5.8	5.6	5.7	5.9	8.5	12.3	14.8	10.9	13.5	12.7	6.8	5.4
Fayette	4.1	4.2	3.8	4.7	5.5	5.3	4.2	4.5	4.7	6.5	9.1	10.2	8.7	10.1	10.5	6.8	6.7

Table 4. Estimated Unemployment Rates in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	5.3	5.4	8.6	7.0	6.8	6.7	5.3	5.0	5.7	7.5	10.6	15.3	9.9	17.1	14.5	12.4	12.8
Franklin	3.2	3.0	3.3	3.6	4.5	4.2	4.0	4.3	5.1	7.1	6.8	7.3	6.7	7.9	6.9	4.1	4.0
Fremont	3.8	3.0	3.5	5.1	5.8	4.9	3.5	3.7	3.9	4.7	6.9	8.5	7.5	4.8	4.6	3.1	2.3
Greene	3.3	4.3	4.2	4.0	4.2	4.8	4.9	6.7	4.7	5.6	7.6	9.4	8.0	8.0	8.3	7.2	6.2
Grundy	3.9	3.8	3.0	3.1	3.8	3.4	2.6	2.8	3.9	4.3	6.0	6.1	5.4	7.6	6.0	3.9	4.5
Guthrie	3.5	3.4	4.0	4.1	4.4	4.4	3.9	6.3	3.9	5.4	7.6	7.1	6.1	5.6	6.2	5.7	4.7
Hamilton	3.2	4.1	3.1	3.5	4.9	4.1	4.7	3.6	2.9	3.9	6.1	6.3	6.0	6.4	6.0	5.7	4.7
Hancock	3.1	3.3	3.3	3.9	5.7	5.7	5.8	4.7	3.4	4.9	7.8	9.7	5.6	6.4	7.7	5.2	7.4
Hardin	4.0	4.0	3.2	4.0	5.3	5.6	4.7	4.2	5.2	6.5	6.2	6.0	6.0	4.9	4.8	4.3	3.4
Harrison	4.0	4.5	4.7	4.7	5.8	5.3	3.9	5.7	6.2	6.5	7.8	9.1	7.5	8.6	8.2	5.5	4.5
Henry	3.4	3.2	3.3	3.5	4.7	4.3	3.5	3.8	3.8	5.0	5.8	7.4	7.4	8.1	8.1	7.6	6.0
Howard	4.2	3.7	3.6	3.9	4.3	4.1	3.9	5.4	6.2	5.4	7.8	9.3	7.2	7.8	8.1	6.5	6.2
Humboldt	2.5	2.6	3.2	3.4	3.5	4.0	3.2	3.2	2.9	4.6	7.0	7.6	6.8	7.3	6.8	5.4	5.3
Ida	2.6	2.7	2.4	2.5	2.9	3.7	2.6	2.7	2.7	3.2	4.0	5.0	4.1	3.3	3.2	3.1	3.3
Iowa	2.8	2.5	2.1	2.3	2.6	2.5	2.5	2.3	2.7	3.3	5.6	6.5	4.1	4.7	6.7	4.7	2.9
Jackson	6.4	5.8	5.1	5.0	6.5	6.6	6.5	7.2	7.5	7.5	9.3	11.7	9.8	13.5	13.5	10.1	8.8
Jasper	3.4	3.4	3.3	3.7	4.0	4.4	3.5	4.1	4.1	4.9	6.4	6.2	6.6	8.6	10.6	8.0	7.7
Jefferson	3.1	3.8	4.7	4.3	5.4	4.7	4.1	4.8	4.8	7.0	8.0	7.2	6.4	8.3	10.3	7.0	6.0
Johnson	2.9	2.8	2.6	2.7	3.3	2.9	3.1	1.5	1.8	2.0	2.6	3.1	2.4	3.5	4.2	4.7	3.5
Jones	4.2	4.3	4.2	4.9	6.0	5.0	4.7	4.2	4.0	5.6	6.8	8.6	7.5	8.5	9.1	6.3	5.5
Keokuk	5.0	4.8	4.5	5.0	6.1	5.1	4.5	5.0	5.6	6.1	8.2	8.4	7.8	9.8	10.5	10.5	8.6
Kossuth	3.3	3.9	3.9	3.7	4.9	5.5	4.4	4.6	5.0	6.4	7.8	8.6	6.5	6.4	7.2	6.3	6.0
Lee	6.1	5.1	5.6	7.3	8.1	7.5	6.4	7.5	8.3	9.7	10.3	10.5	9.7	11.1	12.0	9.0	7.2
Linn	2.9	2.8	3.1	3.4	4.2	4.9	5.5	3.7	3.7	5.2	6.2	7.2	7.2	8.3	9.7	8.1	6.5
Louisa	4.5	4.0	4.2	5.0	5.8	5.1	4.4	4.0	3.6	5.1	7.2	10.2	8.5	11.0	6.1	3.7	3.9
Lucas	5.3	5.6	5.3	6.4	6.8	5.6	5.9	4.7	4.3	5.6	6.1	7.6	6.8	6.9	7.8	6.3	6.2
Lyon	2.9	2.8	2.6	2.7	2.5	2.3	2.1	2.4	2.8	3.3	4.6	4.7	4.5	4.4	3.3	4.3	4.2
Madison	4.0	4.3	4.3	4.4	5.4	5.7	4.2	5.2	5.2	5.2	7.9	7.4	7.1	8.2	8.0	7.3	5.8
Mahaska	3.5	3.5	3.1	3.9	4.1	4.5	3.9	4.8	3.6	4.6	6.7	8.4	6.3	7.2	8.3	6.7	5.6
Marion	3.5	3.4	3.3	3.5	3.6	3.9	3.7	3.4	3.2	3.5	4.3	3.9	4.2	4.6	5.3	4.0	3.9
Marshall	3.6	3.3	2.9	4.0	4.1	3.6	3.3	3.8	4.1	6.1	7.2	7.9	7.6	10.6	9.5	6.2	5.5
Mills	3.4	3.2	3.3	3.4	4.2	3.5	3.4	4.1	3.8	4.9	7.0	7.4	5.6	4.7	4.4	4.1	3.3
Mitchell	3.5	3.3	4.0	3.8	4.0	4.3	3.9	3.6	3.6	5.0	7.5	9.5	7.3	9.6	8.0	8.2	8.0



Table 4. Estimated Unemployment Rates in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	3.9	3.3	3.5	3.9	4.6	4.3	3.6	4.8	6.1	7.3	8.4	9.0	7.8	6.9	7.3	6.0	5.4
Monroe	4.5	4.5	4.1	5.1	5.6	5.9	5.4	6.3	7.0	8.4	12.9	12.7	12.9	12.7	14.1	9.3	6.8
Montgomery	6.3	3.8	3.9	4.1	5.0	4.2	4.4	5.0	3.9	4.8	6.6	8.9	7.1	6.2	6.3	5.4	5.0
Muscatine	4.9	3.4	3.8	4.1	5.6	5.6	4.8	5.0	5.2	6.1	7.3	7.6	6.9	7.7	7.0	5.6	4.8
O'Brien	2.5	2.7	2.6	2.5	3.0	2.4	2.1	2.2	2.8	4.1	5.0	4.9	4.9	4.2	4.1	4.1	3.4
Osceola	3.1	3.5	3.3	3.0	3.5	3.4	2.8	4.0	5.3	5.0	7.5	7.7	6.5	6.8	7.3	6.3	4.9
Page	4.0	3.6	3.7	3.9	5.7	5.9	4.8	4.9	4.1	5.3	6.7	8.3	7.0	7.8	7.4	4.8	4.0
Palo Alto	3.2	3.2	3.3	3.4	3.3	3.9	3.7	3.6	3.8	3.9	6.2	8.6	7.6	8.3	7.4	6.5	5.3
Plymouth	3.9	3.9	2.9	2.8	3.7	3.2	3.0	3.4	3.9	4.6	5.5	7.1	5.8	5.4	5.7	5.3	4.2
Pocahontas	3.2	3.7	2.8	2.8	3.7	3.0	2.1	2.4	2.9	3.7	5.0	6.0	5.0	6.5	7.5	5.2	4.0
Polk	2.9	2.6	2.9	3.5	3.7	3.6	3.2	3.6	3.8	4.5	5.8	6.6	5.9	7.5	8.0	7.3	5.6
Pottawattamie	3.4	3.2	3.7	4.1	5.1	4.6	3.9	4.7	4.8	6.0	7.0	7.5	7.6	6.6	8.0	8.1	6.2
Poweshiek	5.0	4.0	4.1	4.8	4.6	4.5	4.5	3.5	3.1	3.8	5.0	6.4	5.9	6.4	6.7	5.0	5.2
Ringgold	4.0	4.2	3.7	3.7	4.1	4.2	3.9	4.7	4.9	7.1	6.1	7.0	7.5	8.7	5.8	3.9	3.7
Sac	4.0	3.8	3.8	3.3	3.1	3.7	3.9	5.3	5.7	6.3	8.1	9.3	9.0	10.5	11.0	6.6	4.9
Scott	3.9	3.6	4.1	4.7	5.8	5.0	4.2	6.0	6.8	6.6	7.4	8.2	8.0	10.8	11.2	7.9	5.3
Shelby	3.8	3.9	4.7	4.5	5.7	5.3	4.1	4.8	4.9	5.7	7.1	8.9	8.4	5.7	5.5	4.9	4.0
Sioux	3.2	3.1	3.0	2.6	2.9	2.8	2.7	2.0	2.3	3.8	4.6	4.9	4.4	4.0	4.5	4.7	4.1
Story	2.9	2.8	3.0	3.1	3.8	3.9	3.6	1.7	1.7	2.3	3.2	3.4	3.2	4.3	4.3	4.0	3.4
Tama	4.6	3.9	4.0	4.5	5.6	5.1	4.4	4.2	4.6	6.3	7.6	7.8	5.0	4.5	4.8	3.3	2.9
Taylor	6.7	5.0	6.1	4.0	4.7	4.3	3.6	4.2	3.7	6.2	7.1	8.2	7.1	8.7	5.9	4.0	3.7
Union	5.1	4.6	5.2	4.6	4.4	6.0	5.0	4.1	4.7	6.3	6.6	7.3	8.2	7.4	6.3	5.9	5.2
Van Buren	4.0	4.2	4.2	4.2	5.2	5.4	3.3	7.7	7.5	9.1	9.5	10.2	7.8	9.7	10.6	8.0	7.6
Wapello	5.2	4.9	5.0	5.7	6.9	7.5	5.9	6.8	7.4	10.2	13.5	11.9	10.1	12.7	12.4	11.7	7.9
Warren	2.1	2.2	2.2	3.1	3.3	2.9	2.5	2.9	3.5	4.2	4.7	5.2	4.5	5.1	5.7	5.6	4.5
Washington	3.6	3.1	3.0	3.3	3.6	3.4	2.7	4.1	4.6	5.9	7.9	8.2	6.1	7.4	6.7	5.9	5.3
Wayne	5.0	3.9	3.8	5.5	5.4	3.8	2.8	3.0	4.7	5.9	6.1	7.6	6.8	7.1	6.1	4.5	4.3
Webster	3.8	4.2	4.3	4.9	5.9	5.1	5.1	4.9	4.8	6.0	7.7	8.9	7.8	8.3	8.1	6.7	5.8
Winnebago	2.6	2.7	2.7	3.3	3.8	6.0	7.6	3.8	2.4	3.8	5.3	7.2	3.5	5.3	6.9	6.5	9.6
Winneshiek	4.7	4.7	5.1	5.5	5.9	5.3	5.6	4.3	5.2	6.1	7.1	7.6	6.9	7.3	6.6	7.1	6.2
Woodbury	3.7	3.1	3.3	3.1	4.4	4.9	4.4	4.2	5.3	6.7	8.2	8.6	7.4	7.5	8.1	7.8	6.4
Worth	4.0	3.4	4.4	4.6	5.1	5.7	6.5	4.8	4.5	5.2	7.9	9.0	6.4	8.0	8.4	8.1	8.1
Wright	3.3	3.8	3.6	4.0	4.7	4.0	3.5	3.5	3.8	4.7	6.0	7.9	5.7	6.2	5.6	4.8	5.0
State of Iowa	3.8	3.5	3.7	4.0	4.7	4.6	4.3	4.3	4.5	5.5	7.0	7.9	7.0	8.1	8.5	6.9	5.7

## Unemployment

Unemployment figures for Iowa during this period reflect the economic difficulties encountered by the state in the first half of the 1980s. Unemployment was 82,000 in 1980, but it was 121,000 in 1982 (Table 3). For four of the five years from 1982 through 1986, unemployment was more than 100,000. Relatively rapid decreases, especially from 1986 through 1988, brought the figure below 62,000 in 1990. That was a decline of 49.0 percent from the period high in 1982. But the number unemployed increased by 6,400 between 1990 and 1991 and by 3,200 between 1991 and 1992. In contrast, a decrease of 8,500 occurred between 1992 and 1993 on the number unemployed. That trend continued through 1995, when the 54,500 figure was lower than any year reported here. An increase in unemployment occurred from 1995 to 1996, when 60,000 were unemployed.

Just as Polk led in labor force and employment numbers, it also had the highest number unemployed (6,200) in 1996. Black Hawk, Linn, and Scott were the only others with 3,000 or more. Ten counties had from 1,000 to 3,000 unemployed. Eighteen counties had fewer than 200 unemployed in 1996; the lowest were Ida and Ringgold, both with 110.

Unemployment in 1996 was much lower than the figures for the years 1982 through 1985 in most of Iowa's counties. Ninety counties recorded their highest unemployment for the period during one of those four years. All counties except Adams, Johnson, Montgomery, Poweshiek, and Story had lower numbers unemployed in 1996 than in 1986.

## Unemployment Rates

When the number unemployed is divided by the number in the labor force and the result is multiplied by 100, an unemployment rate is obtained. These rates (number unemployed of every 100 in the labor force) were highest in Iowa from 1981 through 1986 (Table 4). The highest annual rate (1982, 8.5%) was about double the rates in 1989 and 1990 (4.3%). The state's unemployment rate increased to 4.7 percent in 1992 but then began another decline until it reached 3.5 percent in 1995; the 1996 figure of 3.8 percent was slightly above that for 1995.

For counties in 1996, unemployment rates varied from 2.1 percent (Warren) to 9.2 percent (Adams). Unemployment rates in 1996 were much lower than those in 1986. In 1986, 80 counties had unemployment rates of 6.0 percent or greater. Ten years later, only seven counties were above 6.0 percent. All counties except Adams, Johnson, and Poweshiek had lower unemployment rates in 1996 than they did in 1986, with particularly large drops occurring in Black Hawk, Monroe, and Wapello counties.

**Note:** Caution must be exercised in interpreting these numbers. They are based on estimates generated annually by Iowa Workforce Development under guidelines set by the Bureau of Labor Statistics in the U.S. Department of Labor; all states use virtually identical methods to compute labor force statistics.

## Per Capita Income in Iowa's Counties: 1975-1995

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Per capita income, a measure of average income per person, was \$20,898 for Iowa in 1995, a figure nearly \$2,300 below that for the United States (Table 1). It increased for Iowa every year from 1975 through 1995, although the gains were small from 1981 through 1983 and again from 1992 to 1993. This information is reported annually for all states and counties by the Bureau of Economic Analysis in the U.S. Department of Commerce. In the calculation of income, the Bureau of Economic Analysis includes income from sources such as wages, salaries, self-employment, farming, interest, rent, social security, and public assistance. Also included is the imputed value of non-monetary income or benefits such as Medicare, public housing subsidies, and other "in-kind" resources. Because of the inclusion of the value of non-monetary benefits, the income figures from the Bureau of Economic Analysis will generally be higher than figures produced by the U. S. Bureau of the Census, which do not include such "in-kind" benefits. In this report, both initial per capita income figures and data adjusted for inflation are presented.

### Per Capita Income

Counties in Iowa varied in per capita income (Figure 1). In 1995, Polk had the highest (\$26,127) and Decatur the lowest (\$12,854) per capita income, a difference of more than \$13,000. Starting with 1980, there has been a difference of at least \$5,000 between the lowest and the highest county every year. This gap has been increasing; it has been at least \$8,000 each year since 1988 and exceeded \$10,000 for the first time in 1993. Polk has had the highest per capita income since 1979 and Linn consistently has been among the top five in recent years. Decatur has ranked among the lowest five every year in the 1975-1995 period. Other counties among the lowest in 1995 were Clarke, Ringgold, Taylor, and Wayne.

Per capita income gained in all counties from 1977 to 1978, 1980 to 1981, 1991 to 1992, and 1993 to 1994. Between 1992 and 1993, however, per capita income decreased in 77 of Iowa's 99 counties. At least 40 had declines in three other comparisons (1981-1982, 1982-1983, 1987-1988). These year-to-year variations reflect changes in the economy in Iowa and its counties.

From 1975 to 1995, Iowa's per capita income increased by \$14,768 (Table 3, Figure 2), while the gain was \$17,111 in the United States. Increases were under \$12,000 in 30 counties. Thirteen counties had increases in per capita income of at least \$15,000, with Polk (+\$19,260) the only one exceeding \$18,000. During the 1975-1995 period, 18 counties increased every year, but the other 81 declined one or more times.

In percentage terms, Iowa's per capita income increased 241 percent between 1975 and 1995. Gains in Iowa's counties ranged from 152 percent in Ringgold and Taylor to 298 percent in Story and Winneshiek.

### Per Capita Income Adjusted for Inflation

Rising prices of goods and services between 1975 and 1995 affected what Iowans could purchase with their income. To determine whether income was keeping pace with inflation, the per capita income figures were adjusted to 1995 dollars based on the consumer price index for each year. Per capita income adjusted for inflation was higher in 1995 than it was in 1975 for Iowa (Table 2, Figure

Table 1. Per Capita Income in Iowa Counties, 1975-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Adair	16417	17949	15135	16556	15034	15350	14784	12816	13044	12883	11283	10265	8673	9353	9369	7389	7795	7969	6065	6338	5456
Adams	14911	17187	14703	15799	14706	14207	13625	11675	12793	12360	10861	9615	9070	9525	9264	7364	7577	7390	5899	6605	5484
Allamakee	16126	16252	15346	15491	14275	14561	13514	12038	12479	11549	10641	10461	8212	8569	8471	7053	7101	6942	6242	6256	5232
Appanoose	15201	15050	13945	13841	13177	12595	12038	11176	11036	10731	9919	9560	8973	8901	8569	7863	7482	6643	6030	5883	5264
Audubon	17755	18006	15651	17171	16211	15097	15003	13039	13805	12125	11716	10485	8454	9081	9772	7603	7573	7878	5920	5620	5622
Benton	18977	18319	16868	16917	15807	15615	15092	13528	14005	13517	12326	12107	10533	10449	10537	8958	8824	8566	6933	6344	6196
Black Hawk	20660	19419	18142	17658	16542	16197	15408	14401	13545	12593	12349	12085	11545	11409	11289	10279	9454	8379	7669	6616	6138
Boone	21079	20873	18896	18998	17704	17087	16729	15156	15132	14147	13131	12342	11519	11263	11117	9975	9274	8691	6665	6613	6522
Bremer	20131	19339	17961	17806	16262	15965	14706	13508	13309	12476	12262	11852	10402	10325	10311	9041	8540	7920	7059	6034	5678
Buchanan	17591	17192	15525	16018	15195	14890	13919	12562	12911	11460	10967	10701	8647	9114	9281	7975	7799	7349	6295	5667	5665
Buena Vista	19453	18779	16591	17323	16488	16012	15640	14297	13975	13700	13034	11702	10559	10636	11111	9520	9110	8713	7526	5858	6464
Butler	18284	17703	15865	16952	15555	15351	13632	12766	13307	12422	12317	11708	9643	9597	9801	8617	8288	8166	6635	5877	5841
Calhoun	18989	18956	15488	17311	14685	14801	15104	14274	13933	13503	12768	11907	11084	10866	11614	10055	9526	8572	6616	5595	6196
Carroll	20941	20301	18416	19242	17604	16822	16186	15271	15066	13948	13381	12871	11505	11571	11935	10086	9574	8885	6801	5842	5912
Cass	18339	18272	16679	17190	15836	15555	15381	13664	13838	13299	12697	12015	10852	10743	10876	8863	8878	8381	7053	6760	5849
Cedar	19665	19626	17780	17814	16888	17073	16215	14688	14692	13348	13084	13018	10359	10764	11025	9056	9205	8929	7171	6612	6909
Cerro Gordo	20905	19921	18195	18141	17242	17039	15701	15071	14674	13725	13159	12846	11668	11188	11022	9701	9009	8391	7432	6723	6264
Cherokee	18653	19315	16602	17177	16604	16251	15320	14645	13938	13076	12212	11504	9913	10165	10388	8609	8305	8115	6697	5626	6277
Chickasaw	17997	17551	15520	16427	15270	14931	14087	13000	13855	12485	11960	11600	9531	9549	9923	8462	8391	8015	6964	5681	5565
Clarke	14186	14924	13418	14037	13619	13587	13112	11715	12002	11397	10523	9467	8966	9141	8709	7862	7086	6802	6073	5572	5106
Clay	20641	20156	16838	17547	16373	16680	16350	15617	14747	13805	12678	11512	10455	10553	10808	9746	9231	8670	8079	6806	6532
Clayton	17578	16765	15593	16112	14885	15013	13961	12226	12879	12038	10958	10849	7833	8351	8568	6789	7107	6931	5745	5308	4993
Clinton	19537	18719	17455	17577	16495	16054	15338	14097	13671	12882	12457	12129	10643	10610	10794	9589	8878	8012	6941	6220	5825
Crawford	18646	18690	16565	16824	15371	14815	13699	12917	12838	12316	11278	10899	9297	9817	10234	7716	7639	7580	5938	5107	5393
Dallas	22999	21941	20336	19938	18491	17939	17483	15960	15575	14596	13639	13297	12299	11961	11617	9807	9426	8418	7353	6933	6624
Davis	15625	15706	15083	15073	13694	13555	12045	10963	10958	10528	9907	9652	8472	8795	8217	7276	6954	6348	5215	5260	4959
Decatur	12854	13889	12726	12956	12324	11841	11582	9990	10615	10112	9521	8426	7183	7576	7081	5996	5849	6014	4698	4739	4329
Delaware	16597	17038	15535	16072	15542	16080	14580	12823	13918	12705	11448	11192	8263	8689	9084	7053	7632	7574	6052	5394	5774
Des Moines	20797	19866	18814	18308	17413	17132	16049	15129	14647	13961	13355	12861	11613	11193	10954	9962	9423	8440	7602	6891	6339
Dickinson	23271	22411	20004	20079	18544	18477	17719	16183	15479	14355	13281	13249	11409	11134	10916	9512	9147	8784	7545	6454	6346
Dubuque	21160	20113	19011	18453	17208	16767	15716	14588	14282	13125	12596	12034	10673	10229	10093	9125	8655	7940	7053	6119	5640
Emmet	18829	18426	15532	16699	15097	15182	14467	13337	13396	12832	12192	11248	10269	10270	11049	10055	8557	8362	7189	6087	6191
Fayette	16780	16468	14369	15044	14268	14383	13623	12046	12752	11700	11172	11011	8919	8845	8952	7559	7837	7308	6097	5425	5149
Floyd	19142	18254	16639	17247	16435	16329	14285	13679	13812	12882	12057	11921	10251	10221	9949	8962	8606	8025	7288	6250	6005
Franklin	18893	18745	14799	17463	15004	15646	15005	13966	14438	14101	12609	12068	10000	9964	10582	8734	8424	8541	6659	6316	7108
Fremont	16569	17290	13783	16092	14638	14000	13982	13837	13120	14000	13194	11383	11679	10837	11009	9723	9001	8544	6585	7033	6054

Table 1. Per Capita Income in Iowa Counties, 1975-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Greene	20664	19769	16389	18650	16246	15500	15893	14012	14806	14086	12602	11819	11391	11426	11880	10241	9852	9539	6062	6734	7124
Grundy	21676	20757	18704	20278	18208	17552	15851	14952	15476	14324	13466	13166	11722	11981	12407	10530	10155	9409	8063	7103	7157
Guthrie	17811	17718	15942	16805	15921	15780	15375	13354	13866	12733	12193	11261	9610	10064	10000	7976	7950	7624	5887	5751	5435
Hamilton	20940	20722	17258	18536	17604	16873	17210	14319	15135	14703	13943	12940	12224	12010	12274	10399	9844	9174	7480	6840	7118
Hancock	17720	17931	14611	16070	14129	15220	13996	13539	13314	13579	13104	12501	11151	11021	11290	9121	8895	8679	7534	6570	6974
Hardin	20601	19859	17462	18315	16842	16565	15157	13929	14707	14178	13321	12525	11327	11019	11242	9736	9114	8675	7041	6639	6434
Harrison	16784	16874	15063	15967	14226	13690	12933	12170	12128	12011	12098	10924	9709	9843	9911	7902	7905	7564	5925	5412	5578
Henry	19025	18730	17440	17149	16219	16079	14809	13885	13437	12974	12349	11731	10239	10323	10159	8892	8621	8065	7121	6750	6327
Howard	18425	18121	14834	15772	14829	14895	13897	11941	13069	12639	11346	11614	9194	9017	9282	7681	7941	7548	6539	5354	4981
Humboldt	21165	20330	16892	18228	15639	15970	16423	14287	14223	13389	12255	12079	10768	11135	11283	9140	8884	8978	7219	6425	7081
Ida	17794	17784	15527	16913	15424	15542	15010	14469	14142	13152	12758	12171	8928	9759	10169	7412	8167	8558	6436	4953	5853
Iowa	20821	21308	19638	19985	17823	17024	15982	14371	14961	13480	13313	13269	10103	10066	10081	8578	8550	8335	6885	6363	5847
Jackson	16998	16718	15939	15321	14421	14423	13516	12392	12606	11439	11059	10929	8924	9133	9172	7842	7580	7348	6226	5707	5264
Jasper	21448	20737	18964	18817	17897	17454	16557	15539	15506	14600	13980	13547	12071	11476	11349	9784	9175	8593	7179	6811	6261
Jefferson	18664	18294	16209	16679	15654	15655	14595	13462	13470	12900	11672	11118	9054	8856	9206	7884	7859	7185	6286	6078	5739
Johnson	22894	21926	20612	19509	18493	17707	16931	15418	14668	14075	13275	12765	11689	11145	10677	9722	8862	8185	7174	6292	5783
Jones	15482	15575	14510	14676	13814	14054	13485	11988	12346	11381	10966	10765	8438	8831	9081	7631	7641	7445	6111	5521	5499
Keokuk	16240	17202	15267	16038	15336	15238	14881	12891	14642	13246	12546	12207	10062	10256	9753	8191	8193	8120	6650	6041	6128
Kossuth	17973	18595	14973	16862	14512	15657	15532	14512	14428	14168	12623	12077	10765	10389	10674	8955	8294	8437	7010	6011	6940
Lee	19003	18262	16947	16887	16227	15704	14857	13929	13439	13156	12788	12208	10986	10728	10516	9293	8788	8036	6929	6418	5882
Linn	24448	23184	21928	20985	20178	19593	18742	17271	16445	15442	14600	13710	12713	12321	11794	10776	10050	8866	7902	7162	6462
Louisa	17051	17306	15552	16437	15116	15459	14550	13230	13420	12879	12006	11698	9597	10710	10455	9003	7865	7269	6457	6077	6160
Lucas	15846	17026	15644	16028	15197	14895	14291	13510	13187	12619	11523	10899	10064	10021	9710	8700	7901	7640	6169	6292	5502
Lyon	16800	17450	14381	15589	15011	14662	14576	12715	13163	12483	12096	11574	9622	10224	9856	7565	8350	7833	6123	4754	5243
Madison	18456	18510	16667	16678	15819	15471	14931	13538	13644	13123	12405	11527	10243	10390	9778	8676	8014	7824	6638	6669	5978
Mahaska	18065	18012	16514	16540	15676	15519	14667	13472	13928	13261	12412	11610	10287	10552	10332	8783	8573	8248	6874	6308	5977
Marion	20425	19829	18249	17888	16877	16609	15593	14801	14854	13943	13216	12603	11790	11187	10770	9377	9013	8240	6801	6730	6427
Marshall	21469	20632	19240	19293	18392	17699	17026	15217	15041	14168	13631	13058	12214	11771	11573	10430	9561	8863	7621	7455	6840
Mills	20548	20801	19056	19831	18834	18222	17065	16572	16007	15002	13744	12319	10914	10803	10225	9015	8388	8443	6989	6938	6508
Mitchell	20871	20406	17403	18975	17543	17964	16478	14459	15737	14811	13522	13062	10427	10108	9841	8011	8009	8027	6872	5464	5862
Monona	16474	17537	15481	16504	14061	14135	14010	12769	12349	12556	11805	10795	9497	10704	10937	7648	7436	7904	6452	4971	6176
Monroe	17443	17533	16185	16262	15415	15013	14011	12888	12844	11741	11224	10597	9359	9369	8770	8085	7209	6817	5930	5813	5194
Montgomery	19499	19407	17755	18209	17277	16430	15937	14337	13966	13536	12474	11799	10926	11111	10832	9379	9728	8460	7088	6823	6015
Muscatine	22623	21660	20493	19692	18269	17898	16862	15891	15364	14633	14192	13674	12248	12004	11619	10231	9221	8473	7541	7046	6431
O'Brien	19822	19093	16279	17539	16898	16665	15907	15558	14883	14135	13256	12423	10851	10992	10695	8976	8837	8857	7400	6387	6541
Osceola	18701	18474	14351	16207	15925	15251	14496	13576	13083	12380	11299	10913	9467	9572	10340	8748	8545	8726	7282	5700	6531

Table 1. Per Capita Income in Iowa Counties, 1975-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Page	19351	18936	17324	17732	16506	16106	15451	13838	13711	13776	12422	11140	10528	10135	9780	8546	8572	7786	6769	6613	5926
Palo Alto	18443	18242	14434	16839	14105	15481	14584	13816	13987	13219	12594	10830	9666	10207	10694	9500	8203	8424	6935	5707	6240
Plymouth	19501	19393	18440	18450	17497	16650	15600	13455	14290	13039	12727	11770	9552	9988	9814	7587	8167	8213	6504	5605	5836
Pocahontas	18394	19135	15007	17643	15093	15087	15466	14002	13735	14270	13708	11288	10092	11168	11847	9360	8491	9041	7366	5553	6684
Polk	26127	24684	23494	22781	21640	20798	19679	18501	17240	16393	15687	14996	13943	13327	12587	11564	10730	9462	8503	7563	6867
Pottawattamie	19153	18304	16953	16865	15962	15281	14503	13984	13636	13116	12729	12098	11112	10657	10307	9135	8438	7975	6859	6267	5552
Poweshiek	20366	19780	17994	18094	17139	16751	15959	14661	14843	13919	12620	12505	10766	10704	10457	8840	8734	8319	6901	6608	6135
Ringgold	13784	15870	13371	14347	13424	13053	13274	11520	12534	11882	9849	8807	8323	9167	8471	7403	6977	7251	5592	6154	5479
Sac	17636	17885	15718	16807	15389	15199	14807	13982	13637	13873	12269	11916	10199	10776	11608	8888	9478	8991	6994	5918	6463
Scott	22005	20796	19982	19378	18673	18264	17152	16056	15341	14400	14009	13504	12344	12092	11875	10814	9893	8799	7875	7076	6487
Shelby	18305	18128	15980	16909	16122	15846	14876	13612	13713	12550	12707	11655	9580	10083	10326	7917	8702	8613	6133	5666	5502
Sioux	18460	17729	16165	16850	15804	15449	14615	13153	13350	12594	12537	12019	9763	9329	9909	8225	8385	8237	6362	5679	5279
Story	20922	19746	18175	17785	16761	15797	15128	13836	13486	12707	12137	11495	10442	10070	9553	8723	8028	7317	6235	5723	5251
Tama	19178	18556	16408	16673	16000	15934	15007	14137	14328	13311	12548	11995	10279	10803	10639	8872	8202	8034	6981	6532	6414
Taylor	13152	14278	12488	13685	12930	12245	11714	10697	11736	11477	10666	8971	8487	9194	8534	7322	7534	6947	5988	5983	5225
Union	17129	17057	15701	15748	14919	14562	13943	12962	12697	12314	11739	10845	10159	10250	9384	8393	7689	7007	6081	5966	5291
Van Buren	14725	15479	13833	14531	13498	13301	12385	10966	11251	10584	9924	9197	7964	8304	8104	6991	7118	6939	5939	5677	5344
Wapello	18247	17396	16208	16212	15711	15134	14332	13274	12686	12041	11658	11252	10342	10174	9696	9137	8280	7346	6559	5938	5401
Warren	20135	19415	18004	17730	16719	16057	15282	14450	13699	12935	12506	11828	10896	10558	10099	9227	8684	7998	6783	6408	5854
Washington	19519	19445	17813	18084	17505	17300	15866	14161	14830	14065	13953	13892	11733	11919	11639	9607	9646	8973	7249	6710	6880
Wayne	14394	15560	13305	13608	13138	13051	12865	11732	12682	12299	11279	10132	9127	9258	8910	7699	7401	7047	5259	5580	5178
Webster	21152	19835	17617	17733	16599	15572	15186	13788	13429	13169	12222	11690	11243	11104	11037	10090	9294	8406	7168	6519	6187
Winnebago	20346	20404	17661	18179	16472	17158	16805	16930	16041	15149	14156	13938	11464	10618	10204	8658	8576	8536	7917	6936	6799
Winneshiek	18554	18033	16447	16636	15450	15462	14266	12530	12955	11961	10939	10719	8107	8179	8037	6550	6430	6565	5618	5052	4663
Woodbury	21410	19999	18914	18697	17038	16485	15875	15053	14615	13578	13018	12291	11476	11154	10880	9542	8886	8303	7447	6754	6220
Worth	19078	18645	15033	16802	15619	16548	14923	14061	14153	13242	12593	12429	10010	9627	9637	7682	7868	8337	7019	6050	6596
Wright	19838	18938	15969	17474	15552	15838	16554	14947	14671	14304	13432	13690	12171	11979	11817	10181	9759	9353	8017	6955	7357
State of Iowa	20898	20136	18548	18499	17383	16953	16099	14890	14546	13743	13075	12480	11193	11014	10819	9514	8996	8335	7177	6486	6130
Counties:																					
Range: Low	12854	13889	12488	12956	12324	11841	11582	9990	10615	10112	9521	8426	7183	7576	7081	5996	5849	6014	4698	4739	4329
High	26127	24684	23494	22781	21640	20798	19679	18501	17240	16393	15687	14996	13943	13327	12587	11564	10730	9539	8503	7563	7357
Number Inc.	68	99	22	99	73	92	98	51	93	97	97	98	49	56	99	75	81	99	88	67	
United States	23196	22044	21223	20582	19638	19142	18127	17017	15944	15140	14406	13547	12345	11692	11109	10030	9090	8170	7312	6671	6085

Table 2. Adjusted Per Capita Income (1995 Dollars) in Iowa Counties, 1975-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Adair	16417	18458	15958	17948	16771	17814	18059	16410	17370	17771	15803	14887	13010	14457	15349	13345	15973	18203	14907	16583	15099
Adams	14911	17674	15502	17127	16405	16487	16643	14949	17036	17049	15212	13944	13605	14723	15177	13300	15526	16880	14499	17281	15176
Allamakee	16126	16713	16180	16794	15924	16898	16508	15414	16618	15931	14904	15171	12318	13245	13878	12738	14551	15857	15342	16368	14479
Appanoose	15201	15477	14703	15005	14699	14617	14705	14310	14696	14802	13893	13864	13460	13759	14038	14201	15332	15174	14821	15392	14567
Audubon	17755	18517	16502	18615	18084	17520	18327	16695	18383	16725	16410	15206	12681	14037	16009	13732	15518	17995	14550	14704	15558
Benton	18977	18838	17785	18339	17633	18121	18435	17322	18650	18645	17264	17558	15800	16151	17262	16179	18082	19566	17040	16599	17147
Black Hawk	20660	19970	19128	19143	18453	18797	18821	18439	18037	17371	17296	17526	17318	17635	18494	18565	19373	19139	18849	17310	16986
Boone	21079	21465	19923	20595	19749	19830	20435	19406	20150	19514	18392	17899	17279	17410	18213	18016	19004	19852	16382	17302	18049
Bremer	20131	19887	18937	19303	18141	18528	17964	17296	17723	17209	17174	17188	15603	15960	16892	16329	17500	18091	17350	15787	15713
Buchanan	17591	17679	16369	17365	16950	17280	17002	16085	17193	15808	15361	15519	12971	14088	15205	14403	15981	16786	15472	14827	15677
Buena Vista	19453	19311	17493	18780	18393	18582	19105	18306	18610	18898	18256	16971	15839	16440	18203	17194	18668	19902	18498	15327	17888
Butler	18284	18205	16727	18377	17352	17815	16652	16346	17720	17135	17252	16980	14465	14834	16057	15563	16983	18653	16308	15377	16164
Calhoun	18989	19493	16330	18767	16382	17177	18450	18277	18554	18626	17883	17268	16626	16796	19027	18160	19520	19580	16261	14639	17147
Carroll	20941	20877	19417	20860	19638	19522	19772	19553	20063	19240	18742	18666	17258	17886	19553	18216	19619	20295	16716	15285	16361
Cass	18339	18790	17586	18635	17666	18052	18788	17496	18427	18345	17784	17425	16278	16606	17818	16007	18192	19144	17335	17687	16186
Cedar	19665	20182	18747	19312	18839	19813	19807	18807	19564	18412	18326	18879	15539	16638	18062	16356	18862	20395	17625	17300	19120
Cerro Gordo	20905	20486	19184	19666	19234	19774	19179	19297	19541	18932	18431	18630	17502	17294	18057	17521	18461	19167	18267	17590	17335
Cherokee	18653	19863	17504	18621	18522	18859	18714	18752	18560	18037	17104	16684	14870	15712	17018	15548	17018	18536	16460	14720	17371
Chickasaw	17997	18049	16364	17808	17034	17328	17208	16646	18450	17222	16752	16823	14297	14760	16257	15283	17194	18308	17116	14864	15400
Clarke	14186	15347	14147	15217	15192	15768	16017	15000	15982	15721	14739	13730	13449	14130	14268	14199	14520	15537	14927	14579	14130
Clay	20641	20728	17753	19022	18265	19357	19972	19996	19638	19043	17757	16695	15683	16312	17706	17602	18916	19804	19857	17807	18076
Clayton	17578	17240	16441	17467	16605	17423	17054	15654	17150	16605	15348	15734	11750	12908	14037	12261	14563	15832	14120	13888	13817
Clinton	19537	19250	18404	19055	18401	18631	18736	18050	18205	17770	17448	17590	15965	16400	17683	17318	18192	18301	17060	16274	16120
Crawford	18646	19220	17465	18239	17147	17193	16734	16539	17096	16989	15796	15806	13946	15175	16766	13936	15653	17314	14595	13362	14924
Dallas	22999	22563	21441	21614	20627	20818	21356	20436	20740	20134	19103	19284	18449	18489	19032	17712	19315	19228	18073	18140	18331
Davis	15625	16151	15903	16340	15276	15731	14713	14037	14592	14522	13876	13998	12708	13595	13462	13141	14250	14500	12818	13762	13723
Decatur	12854	14283	13418	14045	13748	13742	14148	12791	14135	13949	13335	12220	10775	11711	11601	10829	11985	13737	11547	12399	11980
Delaware	16597	17521	16379	17423	17338	18661	17810	16419	18534	17525	16034	16231	12395	13431	14882	12738	15639	17300	14875	14113	15979
Des Moines	20797	20429	19837	19847	19425	19882	19604	19372	19505	19258	18705	18652	17420	17301	17946	17992	19309	19278	18685	18030	17542
Dickinson	23271	23046	21091	21767	20686	21443	21644	20721	20612	19801	18602	19214	17114	17210	17883	17179	18744	20064	18544	16886	17562
Dubuque	21160	20683	20044	20005	19196	19458	19197	18679	19019	18105	17642	17452	16010	15811	16535	16480	17735	18136	17335	16010	15608
Emmet	18829	18948	16376	18103	16841	17619	17672	17077	17839	17701	17076	16313	15404	15875	18101	18160	17535	19100	17669	15926	17133
Fayette	16780	16935	15150	16309	15916	16692	16641	15424	16981	16139	15648	15969	13379	13672	14666	13652	16059	16693	14986	14194	14249
Floyd	19142	18772	17544	18697	18334	18950	17449	17515	18393	17770	16887	17289	15377	15799	16299	16186	17635	18331	17913	16353	16618
Franklin	18893	19276	15603	18931	16737	18157	18329	17882	19226	19451	17661	17502	15000	15402	17336	15774	17262	19509	16367	16525	19670
Fremont	16569	17780	14532	17445	16329	16247	17079	17717	17471	19312	18480	16508	17519	16751	18036	17560	18444	19516	16185	18401	16754

Table 2. Adjusted Per Capita Income (1995 Dollars) in Iowa Counties, 1975-1995. (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Greene	20664	20330	17280	20218	18123	17988	19414	17941	19716	19430	17651	17141	17087	17662	19463	18496	20188	21789	14899	17619	19715
Grundy	21676	21346	19721	21983	20312	20369	19362	19145	20608	19759	18861	19094	17583	18519	20326	19018	20809	21492	19818	18584	19806
Guthrie	17811	18220	16809	18218	17760	18313	18781	17099	18465	17564	17078	16331	14415	15556	16383	14405	16291	17415	14469	15047	15041
Hamilton	20940	21310	18196	20095	19638	19581	21022	18334	20154	20281	19529	18766	18336	18564	20108	18781	20172	20955	18385	17896	19698
Hancock	17720	18439	15405	17421	15761	17663	17096	17336	17729	18731	18354	18130	16727	17036	18496	16473	18227	19824	18517	17190	19300
Hardin	20601	20422	18411	19855	18788	19224	18515	17835	19584	19557	18658	18165	16991	17032	18417	17584	18676	19815	17306	17370	17805
Harrison	16784	17352	15882	17310	15870	15887	15798	15583	16150	16568	16945	15843	14564	15215	16237	14272	16199	17278	14563	14160	15436
Henry	19025	19261	18388	18591	18093	18660	18090	17779	17893	17896	17296	17013	15359	15957	16643	16060	17666	18422	17502	17661	17509
Howard	18425	18635	15640	17098	16542	17286	16975	15290	17403	17434	15892	16843	13791	13938	15206	13872	16272	17241	16072	14008	13784
Humboldt	21165	20906	17810	19761	17446	18533	20061	18293	18940	18469	17165	17518	16152	17212	18485	16508	18205	20507	17743	16811	19596
Ida	17794	18288	16371	18335	17206	18037	18335	18526	18832	18142	17869	17651	13392	15085	16660	13387	16735	19548	15819	12959	16197
Iowa	20821	21912	20706	21665	19882	19757	19522	18401	19923	18594	18647	19244	15155	15559	16515	15492	17520	19039	16922	16648	16181
Jackson	16998	17192	16805	16609	16087	16738	16510	15867	16787	15779	15490	15850	13386	14117	15026	14163	15533	16784	15303	14932	14567
Jasper	21448	21325	19995	20399	19965	20256	20225	19897	20648	20139	19581	19647	18107	17739	18593	17671	18801	19628	17645	17820	17327
Jefferson	18664	18813	17090	18081	17462	18168	17828	17237	17937	17794	16348	16124	13581	13689	15082	14239	16104	16412	15450	15903	15882
Johnson	22894	22548	21732	21149	20629	20549	20682	19742	19533	19415	18593	18513	17534	17227	17492	17559	18160	18696	17633	16463	16004
Jones	15482	16017	15299	15910	15410	16310	16472	15350	16440	15699	15359	15612	12657	13650	14877	13782	15658	17006	15020	14445	15218
Keokuk	16240	17690	16097	17387	17108	17684	18177	16506	19498	18272	17572	17703	15093	15853	15978	14794	16789	18548	16345	15806	16958
Kossuth	17973	19122	15787	18280	16189	18170	18973	18582	19213	19543	17680	17515	16148	16059	17487	16173	16996	19272	17230	15727	19206
Lee	19003	18780	17868	18307	18102	18225	18148	17835	17896	18147	17911	17705	16479	16583	17228	16784	18008	18356	17030	16792	16278
Linn	24448	23841	23120	22749	22509	22738	22894	22114	21899	21301	20449	19883	19070	19045	19322	19462	20594	20252	19422	18739	17883
Louisa	17051	17797	16397	17819	16862	17940	17773	16940	17871	17765	16816	16965	14396	16555	17128	16260	16117	16604	15870	15900	17047
Lucas	15846	17509	16494	17376	16953	17286	17457	17299	17560	17407	16139	15806	15096	15490	15908	15713	16190	17451	15162	16463	15226
Lyon	16800	17945	15163	16900	16745	17015	17805	16281	17528	17219	16942	16785	14433	15804	16147	13663	17110	17892	15049	12438	14509
Madison	18456	19035	17573	18080	17647	17954	18239	17334	18169	18102	17375	16717	15365	16060	16019	15669	16422	17871	16315	17449	16543
Mahaska	18065	18523	17412	17931	17487	18010	17916	17250	18547	18292	17385	16838	15431	16311	16927	15863	17567	18840	16895	16504	16541
Marion	20425	20391	19241	19392	18827	19275	19047	18952	19780	19233	18511	18278	17685	17292	17644	16936	18469	18822	16716	17609	17786
Marshall	21469	21217	20286	20915	20517	20540	20798	19484	20029	19543	19092	18937	18321	18195	18960	18837	19592	20245	18731	19505	18929
Mills	20548	21391	20092	21498	21010	21147	20845	21219	21316	20694	19250	17866	16371	16699	16751	16282	17188	19285	17178	18153	18010
Mitchell	20871	20985	18349	20570	19570	20847	20128	18514	20956	20430	18939	18943	15641	15624	16122	14468	16412	18335	16890	14296	16222
Monona	16474	18034	16323	17892	15685	16404	17114	16350	16444	17320	16534	15656	14246	16546	17918	13813	15237	18054	15858	13006	17091
Monroe	17443	18030	17065	17629	17196	17423	17115	16502	17104	16196	15721	15368	14039	14482	14368	14602	14772	15571	14575	15209	14374
Montgomery	19499	19957	18720	19740	19273	19067	19467	18357	18598	18672	17471	17112	16389	17175	17746	16939	19934	19324	17421	17852	16646
Muscatine	22623	22274	21607	21348	20380	20771	20597	20347	20459	20185	19878	19831	18372	18555	19035	18478	18895	19354	18535	18435	17797
O'Brien	19822	19634	17164	19014	18850	19340	19431	19921	19819	19498	18567	18017	16277	16991	17521	16211	18108	20231	18188	16711	18101
Osceola	18701	18998	15131	17570	17765	17699	17707	17383	17422	17077	15826	15827	14201	14796	16940	15800	17510	19932	17898	14914	18074



Table 2. Adjusted Per Capita Income (1995 Dollars) in Iowa Counties, 1975-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Page	19351	19473	18266	19223	18413	18691	18874	17719	18258	19003	17399	16156	15792	15666	16022	15435	17565	17785	16637	17302	16399
Palo Alto	18443	18759	15219	18255	15735	17966	17815	17690	18626	18234	17640	15706	14499	15777	17520	17158	16809	19242	17045	14932	17268
Plymouth	19501	19943	19442	20001	19518	19322	19056	17228	19029	17986	17826	17070	14328	15439	16078	13703	16735	18760	15986	14665	16150
Pocahontas	18394	19678	15823	19126	16837	17509	18892	17929	18290	19684	19200	16371	15138	17263	19409	16905	17399	20651	18105	14529	18497
Polk	26127	25384	24771	24696	24140	24136	24038	23689	22958	22613	21972	21748	20915	20600	20621	20885	21987	21613	20899	19788	19004
Pottawattamie	19153	18823	17875	18283	17806	17734	17716	17905	18158	18092	17829	17545	16668	16473	16886	16498	17291	18216	16858	16397	15364
Poweshiek	20366	20341	18972	19615	19119	19440	19494	18772	19766	19200	17676	18136	16149	16546	17131	15966	17897	19002	16962	17289	16978
Ringgold	13784	16320	14098	15553	14975	15148	16214	14750	16691	16390	13795	12772	12485	14170	13878	13370	14297	16563	13744	16101	15162
Sac	17636	18392	16572	18220	17167	17639	18087	17903	18160	19137	17184	17281	15299	16657	19017	16052	19422	20537	17190	15484	17886
Scott	22005	21386	21068	21007	20830	21196	20952	20559	20429	19863	19621	19584	18516	18691	19454	19531	20272	20098	19356	18514	17952
Shelby	18305	18642	16849	18331	17985	18389	18171	17429	18261	17312	17798	16903	14370	15586	16917	14299	17832	19674	15074	14825	15226
Sioux	18460	18232	17044	18267	17630	17929	17853	16841	17777	17372	17560	17431	14645	14420	16234	14855	17182	18815	15637	14859	14609
Story	20922	20306	19163	19280	18697	18333	18479	17716	17959	17528	16999	16671	15663	15566	15650	15754	16451	16713	15325	14974	14531
Tama	19178	19082	17300	18075	17848	18492	18331	18101	19080	18361	17575	17396	15419	16699	17430	16023	16807	18351	17158	17090	17750
Taylor	13152	14683	13167	14836	14424	14210	14309	13697	15628	15831	14939	13010	12731	14212	13981	13224	15438	15868	14718	15654	14460
Union	17129	17541	16555	17072	16643	16899	17032	16597	16908	16986	16442	15728	15239	15844	15373	15158	15756	16005	14946	15610	14642
Van Buren	14725	15918	14585	15753	15057	15436	15129	14041	14982	14600	13900	13338	11946	12836	13277	12626	14586	15850	14597	14853	14789
Wapello	18247	17889	17089	17575	17526	17563	17507	16996	16893	16609	16329	16318	15513	15726	15885	16502	16967	16780	16121	15536	14947
Warren	20135	19965	18983	19221	18651	18634	18667	18502	18242	17843	17516	17154	16344	16320	16545	16665	17795	18269	16672	16766	16200
Washington	19519	19996	18781	19605	19527	20077	19381	18132	19748	19401	19543	20147	17600	18424	19068	17351	19766	20496	17817	17556	19040
Wayne	14394	16001	14028	14752	14656	15146	15715	15022	16888	16965	15798	14694	13691	14310	14597	13905	15166	16097	12926	14600	14329
Webster	21152	20397	18575	19224	18517	18071	18550	17654	17883	18165	17118	16954	16865	17164	18082	18223	19045	19201	17618	17056	17122
Winnebago	20346	20983	18621	19708	18375	19912	20528	21678	21361	20897	19827	20214	17196	16413	16717	15637	17574	19498	19459	18148	18815
Winneshiek	18554	18544	17341	18035	17235	17944	17426	16044	17251	16499	15321	15545	12161	12643	13167	11830	13176	14996	13808	13218	12904
Woodbury	21410	20566	19942	20269	19006	19131	19392	19274	19462	18730	18233	17825	17214	17241	17824	17234	18209	18966	18304	17671	17213
Worth	19078	19174	15850	18215	17423	19204	18229	18004	18847	18266	17638	18025	15015	14881	15788	13874	16123	19043	17252	15829	18254
Wright	19838	19475	16837	18943	17349	18380	20221	19139	19537	19731	18813	19854	18257	18516	19359	18388	19998	21364	19705	18197	20360
State of Iowa	20898	20707	19556	20054	19391	19674	19665	19066	19370	18957	18313	18099	16790	17025	17724	17183	18434	19039	17640	16970	16964
Counties:																					
Range: Low	12854	14283	13167	14045	13748	13742	14148	12791	14135	13949	13335	12220	10775	11711	11601	10829	11985	13737	11547	12399	11980
High	26127	25384	24771	24696	24140	24136	24038	23689	22958	22613	21972	21748	20915	20600	20621	20885	21987	21789	20899	19788	20360
Number Inc.	39	99	7	98	17	47	88	13	75	93	64	98	19	7	86	3	9	98	65	49	
United States	23196	22669	22377	22313	21907	22214	22143	21789	21232	20884	20177	19647	18518	18073	18200	18115	18627	18662	17972	17454	16839

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1995 dollars) for Iowa Counties in Selected Periods, 1975-1995.

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1975-1995			1985-1995			1990-1995			1975-1995			1985-1995			1990-1995		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Adair	10961	200.9	11	5134	45.5	6	1067	7.0	2	1318	8.7	9	614	3.9	4	-1397	-7.8	2
Adams	9427	171.9	14	4050	37.3	7	704	5.0	3	-265	-1.7	9	-301	-2.0	4	-1576	-9.6	2
Allamakee	10894	208.2	13	5485	51.5	6	1565	10.7	2	1647	11.4	10	1222	8.2	6	-772	-4.6	2
Appanoose	9937	188.8	20	5282	53.3	10	2606	20.7	5	634	4.4	10	1308	9.4	5	584	4.0	3
Audubon	12133	215.8	13	6039	51.5	7	2658	17.6	3	2197	14.1	10	1345	8.2	6	235	1.3	3
Benton	12781	206.3	17	6651	54.0	8	3362	21.5	4	1830	10.7	10	1713	9.9	6	856	4.7	3
Black Hawk	14522	236.6	20	8311	67.3	10	4463	27.6	5	3674	21.6	12	3364	19.4	7	1863	9.9	3
Boone	14557	223.2	19	7948	60.5	9	3992	23.4	4	3030	16.8	9	2687	14.6	5	1249	6.3	2
Bremer	14453	254.5	20	7869	64.2	10	4166	26.1	5	4418	28.1	12	2957	17.2	7	1603	8.7	3
Buchanan	11926	210.5	16	6624	60.4	8	2701	18.1	4	1914	12.2	10	2230	14.5	6	311	1.8	2
Buena Vista	12989	200.9	16	6419	49.2	9	3441	21.5	4	1565	8.7	10	1197	6.6	5	871	4.7	3
Butler	12443	213.0	17	5967	48.4	8	2933	19.1	4	2120	13.1	11	1032	6.0	6	469	2.6	3
Calhoun	12793	206.5	15	6221	48.7	7	4188	28.3	3	1842	10.7	9	1106	6.2	4	1812	10.5	2
Carroll	15029	254.2	16	7560	56.5	9	4119	24.5	4	4580	28.0	12	2199	11.7	7	1419	7.3	4
Cass	12490	213.5	16	5642	44.4	8	2784	17.9	4	2153	13.3	10	555	3.1	5	287	1.6	2
Cedar	12756	184.6	13	6581	50.3	7	2592	15.2	3	545	2.9	10	1339	7.3	6	-148	-0.7	2
Cerro Gordo	14641	233.7	20	7746	58.9	10	3866	22.7	5	3570	20.6	12	2474	13.4	6	1131	5.7	3
Cherokee	12376	197.2	15	6441	52.7	8	2402	14.8	3	1282	7.4	11	1549	9.1	6	-206	-1.1	2
Chickasaw	12432	223.4	16	6037	50.5	8	3066	20.5	4	2597	16.9	10	1245	7.4	6	669	3.9	2
Clarke	9080	177.8	16	3663	34.8	7	599	4.4	3	56	0.4	11	-553	-3.8	5	-1582	-10.0	2
Clay	14109	216.0	16	7963	62.8	8	3961	23.7	3	2565	14.2	9	2884	16.2	5	1284	6.6	2
Clayton	12585	252.1	14	6620	60.4	7	2565	17.1	3	3761	27.2	12	2230	14.5	7	155	0.9	3
Clinton	13712	235.4	18	7080	56.8	9	3483	21.7	4	3417	21.2	11	2089	12.0	6	906	4.9	3
Crawford	13253	245.7	15	7368	65.3	8	3831	25.9	3	3722	24.9	10	2850	18.0	6	1453	8.5	2
Dallas	16375	247.2	20	9360	68.6	10	5060	28.2	5	4668	25.5	10	3896	20.4	6	2181	10.5	3
Davis	10666	215.1	17	5718	57.7	9	2070	15.3	4	1902	13.9	11	1749	12.6	6	-106	-0.7	2
Decatur	8525	196.9	14	3333	35.0	7	1013	8.6	3	874	7.3	12	-481	-3.6	6	-888	-6.5	3
Delaware	10823	187.4	12	5149	45.0	6	517	3.2	2	618	3.9	10	563	3.5	6	-2064	-11.1	2
Des Moines	14458	228.1	20	7442	55.7	10	3665	21.4	5	3255	18.6	14	2092	11.2	7	915	4.6	3
Dickinson	16925	266.7	19	9990	75.2	9	4794	25.9	4	5709	32.5	11	4669	25.1	7	1828	8.5	3
Dubuque	15520	275.2	20	8564	68.0	10	4393	26.2	5	5552	35.6	15	3518	19.9	8	1702	8.7	4
Emmet	12638	204.1	14	6637	54.4	7	3647	24.0	3	1696	9.9	10	1753	10.3	5	1210	6.9	2
Fayette	11631	225.9	15	5608	50.2	7	2397	16.7	3	2531	17.8	10	1132	7.2	6	88	0.5	2

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1995 dollars) for Iowa Counties in Selected Periods, 1975-1995 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1975-1995			1985-1995			1990-1995			1975-1995			1985-1995			1990-1995		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Floyd	13137	218.8	18	7085	58.8	8	2813	17.2	4	2524	15.2	10	2255	13.4	6	192	1.0	3
Franklin	11785	165.8	14	6284	49.8	7	3247	20.8	3	-777	-4.0	8	1232	7.0	4	736	4.1	2
Fremont	10515	173.7	14	3375	25.6	7	2569	18.4	3	-185	-1.1	10	-1911	-10.3	5	322	2.0	3
Greene	13540	190.1	13	8062	64.0	7	5164	33.3	4	949	4.8	11	3013	17.1	7	2676	14.9	4
Grundy	14519	202.9	15	8210	61.0	8	4124	23.5	4	1870	9.4	11	2815	14.9	7	1307	6.4	3
Guthrie	12376	227.7	17	5618	46.1	8	2031	12.9	4	2770	18.4	10	733	4.3	5	-502	-2.7	2
Hamilton	13822	194.2	15	6997	50.2	7	4067	24.1	4	1242	6.3	10	1411	7.2	5	1359	6.9	3
Hancock	10746	154.1	14	4616	35.2	6	2500	16.4	2	-1580	-8.2	9	-634	-3.5	4	57	0.3	2
Hardin	14167	220.2	17	7280	54.7	8	4036	24.4	4	2796	15.7	11	1943	10.4	7	1377	7.2	3
Harrison	11206	200.9	13	4686	38.7	7	3094	22.6	3	1348	8.7	9	-161	-1.0	4	897	5.6	2
Henry	12698	200.7	19	6676	54.1	10	2946	18.3	5	1516	8.7	10	1729	10.0	5	365	2.0	2
Howard	13444	269.9	14	7079	62.4	7	3530	23.7	3	4641	33.7	10	2533	15.9	5	1139	6.6	2
Humboldt	14084	198.9	13	8910	72.7	7	5195	32.5	3	1569	8.0	10	4000	23.3	6	2632	14.2	3
Ida	11941	204.0	13	5036	39.5	8	2252	14.5	3	1597	9.9	9	-75	-0.4	4	-243	-1.3	2
Iowa	14974	256.1	16	7508	56.4	7	3797	22.3	3	4640	28.7	11	2174	11.7	6	1064	5.4	3
Jackson	11734	222.9	16	5939	53.7	8	2575	17.9	4	2431	16.7	12	1508	9.7	7	260	1.6	3
Jasper	15187	242.6	20	7468	53.4	10	3994	22.9	5	4121	23.8	12	1867	9.5	7	1192	5.9	3
Jefferson	12925	225.2	16	6992	59.9	7	3009	19.2	3	2782	17.5	11	2316	14.2	6	496	2.7	2
Johnson	17111	295.9	20	9619	72.5	10	5187	29.3	5	6890	43.1	15	4301	23.1	9	2345	11.4	5
Jones	9983	181.5	13	4516	41.2	6	1428	10.2	2	264	1.7	9	123	0.8	5	-828	-5.1	2
Keokuk	10112	165.0	14	3694	29.4	7	1002	6.6	3	-718	-4.2	9	-1332	-7.6	5	-1444	-8.2	2
Kossuth	11033	159.0	14	5350	42.4	7	2316	14.8	2	-1233	-6.4	10	293	1.7	4	-197	-1.1	2
Lee	13121	223.1	20	6215	48.6	10	3299	21.0	5	2725	16.7	12	1092	6.1	6	778	4.3	3
Linn	17986	278.3	20	9848	67.5	10	4855	24.8	5	6565	36.7	15	3999	19.6	8	1710	7.5	4
Louisa	10891	176.8	14	5045	42.0	6	1592	10.3	2	4	0.0	10	235	1.4	6	-889	-5.0	2
Lucas	10344	188.0	17	4323	37.5	8	951	6.4	3	620	4.1	10	-293	-1.8	5	-1440	-8.3	2
Lyon	11557	220.4	14	4704	38.9	7	2138	14.6	3	2291	15.8	10	-142	-0.8	5	-215	-1.3	2
Madison	12478	208.7	15	6051	48.8	7	2985	19.3	3	1913	11.6	11	1081	6.2	5	502	2.8	2
Mahaska	12088	202.2	17	5653	45.5	8	2546	16.4	4	1524	9.2	11	680	3.9	6	55	0.3	2
Marion	13998	217.8	19	7209	54.5	9	3816	23.0	5	2639	14.8	12	1914	10.3	7	1150	6.0	3
Marshall	14629	213.9	19	7838	57.5	9	3770	21.3	4	2540	13.4	12	2377	12.5	6	929	4.5	3
Mills	14040	215.7	17	6804	49.5	8	2326	12.8	3	2538	14.1	10	1298	6.7	5	-599	-2.8	2
Mitchell	15009	256.0	15	7349	54.3	7	2907	16.2	3	4649	28.7	11	1932	10.2	6	24	0.1	2

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1995 dollars) for Iowa Counties in Selected Periods, 1975-1995 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1975-1995			1985-1995			1990-1995			1975-1995			1985-1995			1990-1995		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Monona	10298	166.7	12	4669	39.6	6	2339	16.5	2	-617	-3.6	9	-60	-0.4	4	70	0.4	2
Monroe	12249	235.8	17	6219	55.4	8	2430	16.2	3	3069	21.4	11	1722	11.0	6	20	0.1	2
Montgomery	13484	224.2	17	7025	56.3	9	3069	18.7	4	2853	17.1	11	2028	11.6	5	432	2.3	3
Muscatine	16192	251.8	20	8431	59.4	10	4725	26.4	5	4826	27.1	14	2745	13.8	8	1852	8.9	4
O'Brien	13281	203.0	16	6566	49.5	9	3157	18.9	4	1721	9.5	11	1255	6.8	6	482	2.5	3
Osceola	12170	186.3	15	7402	65.5	9	3450	22.6	4	627	3.5	9	2875	18.2	5	1002	5.7	2
Page	13425	226.5	17	6929	55.8	8	3245	20.1	4	2952	18.0	10	1952	11.2	4	660	3.5	2
Palo Alto	12203	195.6	13	5849	46.4	7	2962	19.1	3	1175	6.8	12	803	4.6	6	477	2.7	2
Plymouth	13665	234.2	14	6774	53.2	8	2851	17.1	4	3351	20.7	12	1675	9.4	7	179	0.9	3
Pocahontas	11710	175.2	12	4686	34.2	6	3307	21.9	3	-103	-0.6	9	-806	-4.2	4	885	5.1	2
Polk	19260	280.5	20	10440	66.6	10	5329	25.6	5	7123	37.5	17	4155	18.9	10	1991	8.2	5
Pottawattamie	13601	245.0	20	6424	50.5	10	3872	25.3	5	3789	24.7	14	1324	7.4	7	1419	8.0	4
Poweshiek	14231	232.0	18	7746	61.4	8	3615	21.6	4	3388	20.0	10	2690	15.2	6	926	4.8	3
Ringgold	8305	151.6	13	3935	40.0	6	731	5.6	3	-1378	-9.1	11	-11	-0.1	5	-1364	-9.0	2
Sac	11173	172.9	13	5367	43.7	7	2437	16.0	3	-250	-1.4	8	452	2.6	4	-3	-0.0	2
Scott	15518	239.2	20	7996	57.1	10	3741	20.5	5	4053	22.6	15	2384	12.2	9	809	3.8	4
Shelby	12803	232.7	14	5598	44.1	7	2459	15.5	4	3079	20.2	10	507	2.8	5	-84	-0.5	2
Sioux	13181	249.7	16	5923	47.2	8	3011	19.5	4	3851	26.4	13	900	5.1	6	531	3.0	3
Story	15671	298.4	20	8785	72.4	10	5125	32.4	5	6391	44.0	13	3923	23.1	7	2589	14.1	4
Tama	12764	199.0	17	6630	52.8	8	3244	20.4	4	1428	8.0	12	1603	9.1	7	686	3.7	3
Taylor	7927	151.7	15	2486	23.3	7	907	7.4	3	-1308	-9.0	11	-1787	-12.0	5	-1058	-7.4	3
Union	11838	223.7	18	5390	45.9	9	2567	17.6	4	2487	17.0	10	687	4.2	4	230	1.4	2
Van Buren	9381	175.5	15	4801	48.4	7	1424	10.7	3	-64	-0.4	11	825	5.9	6	-711	-4.6	2
Wapello	12846	237.8	19	6589	56.5	9	3113	20.6	4	3300	22.1	14	1918	11.7	8	684	3.9	3
Warren	14281	244.0	20	7629	61.0	10	4078	25.4	5	3935	24.3	13	2619	15.0	8	1501	8.1	4
Washington	12639	183.7	15	5566	39.9	8	2219	12.8	4	479	2.5	9	-24	-0.1	5	-558	-2.8	2
Wayne	9216	178.0	15	3115	27.6	7	1343	10.3	3	65	0.5	9	-1404	-8.9	4	-752	-5.0	2
Webster	14965	241.9	19	8930	73.1	9	5580	35.8	4	4030	23.5	10	4034	23.6	6	3081	17.0	4
Winnebago	13547	199.2	16	6190	43.7	6	3188	18.6	2	1531	8.1	10	519	2.6	5	434	2.2	2
Winnesiek	13891	297.9	15	7615	69.6	7	3092	20.0	3	5650	43.8	12	3233	21.1	7	610	3.4	3
Woodbury	15190	244.2	20	8392	64.5	10	4925	29.9	5	4197	24.4	12	3177	17.4	6	2279	11.9	3
Worth	12482	189.2	13	6485	51.5	7	2530	15.3	3	824	4.5	11	1440	8.2	6	-126	-0.7	2
Wright	12481	169.6	15	6406	47.7	7	4000	25.3	3	-522	-2.6	9	1025	5.4	5	1458	7.9	3
State of Iowa	14768	240.9	20	7823	59.8	10	3945	23.3	5	3934	23.2	13	2585	14.1	7	1224	6.2	3
United States	17111	281.2	20	8790	61.0	10	4054	21.2	5	6357	37.8	16	3019	15.0	9	982	4.4	4

3), but it did not increase each year as was the case before adjustment (Table 1). Instead, there were seven times (1978 to 1979, 1979 to 1980, 1981 to 1982, 1982 to 1983, 1987 to 1988, 1990 to 1991, 1992 to 1993) when it declined. The purchasing power of Iowa's residents was greater in 1978 than it was from 1979 through 1986.

County trends for adjusted per capita income show more variation than when the unadjusted figures were examined. Between 1975 and 1995, differences between the highest and lowest counties reached \$7,000-\$7,999 in 1 year, \$8,000-\$8,999 in 6 years, \$9,000-\$9,999 in 4 years, and more than \$10,000 in 10 years. Adjusted per capita income increased in all Iowa counties from one year to the next only once—1993 to 1994—although at least three-quarters of the counties had increases in seven other year-to-year comparisons. On the other hand, fewer than 10 counties had increases on four occasions: 1978 to 1979, 1979 to 1980, 1981 to 1982, and 1992 to 1993. More counties experienced declines with the adjusted than the unadjusted figures, indicating that some did not always keep up with inflation even though income rose.

For the entire period between 1975 and 1995, Iowa's adjusted per capita income increased by \$3,934; the increase was \$6,357 for the nation. Eighty-six counties experienced gains (Table 3). Seven increased by at least \$5,000, with Johnson, Linn, Polk, and Story exceeding \$6,000. In 13 counties, adjusted per capita income was lower in 1995 than it had been 20 years earlier; in four of these (Hancock, Kossuth, Ringgold, Taylor), per capita income adjusted for inflation was at least \$1,000 lower in 1995 than in 1975. None of the counties had increases in adjusted per capita income in all 20 year-to-year comparisons from 1975 through 1995. Polk increased 17 times, while Dubuque, Johnson, Linn, and Scott had gains from one year to the next on 15 occasions. Eighteen counties increased in fewer than 10 of the 20 comparisons.

The state's percentage increase in adjusted per capita income from 1975 to 1995 was 23.2 percent. Gains ranged from less than 10 percent in 28 counties to more than 30 percent in 8 others. These percentage changes for adjusted per capita income were much less dramatic than those for the unadjusted figures. The adjusted numbers, however, represented real gains in buying power after the effect of inflation was removed.

When income in 1985 is adjusted for inflation that occurred from that year to 1995, the increase is \$2,585 (+14.1%) (Table 3). Eighty-three counties noted adjusted figures higher in 1995 than in 1985, indicating that buying power had increased in the majority of counties. Similar results generally occur when the 1990-1995 period is examined, when 73 counties had higher adjusted per capita incomes in 1995 than in 1990.

Figure 1. Per capita income, 1995.

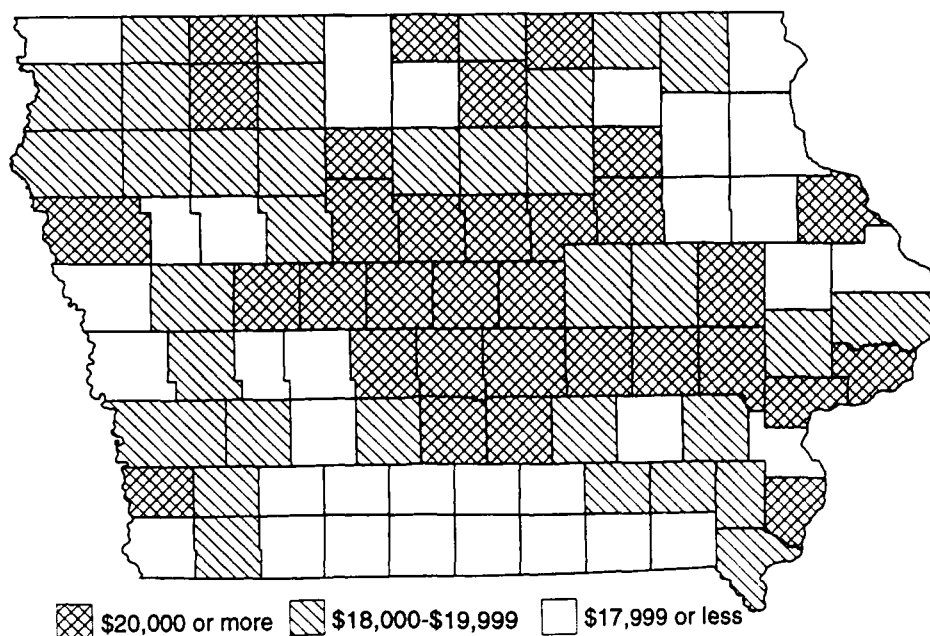


Figure 2. Per capita income in Iowa and the United States, 1975-1995.

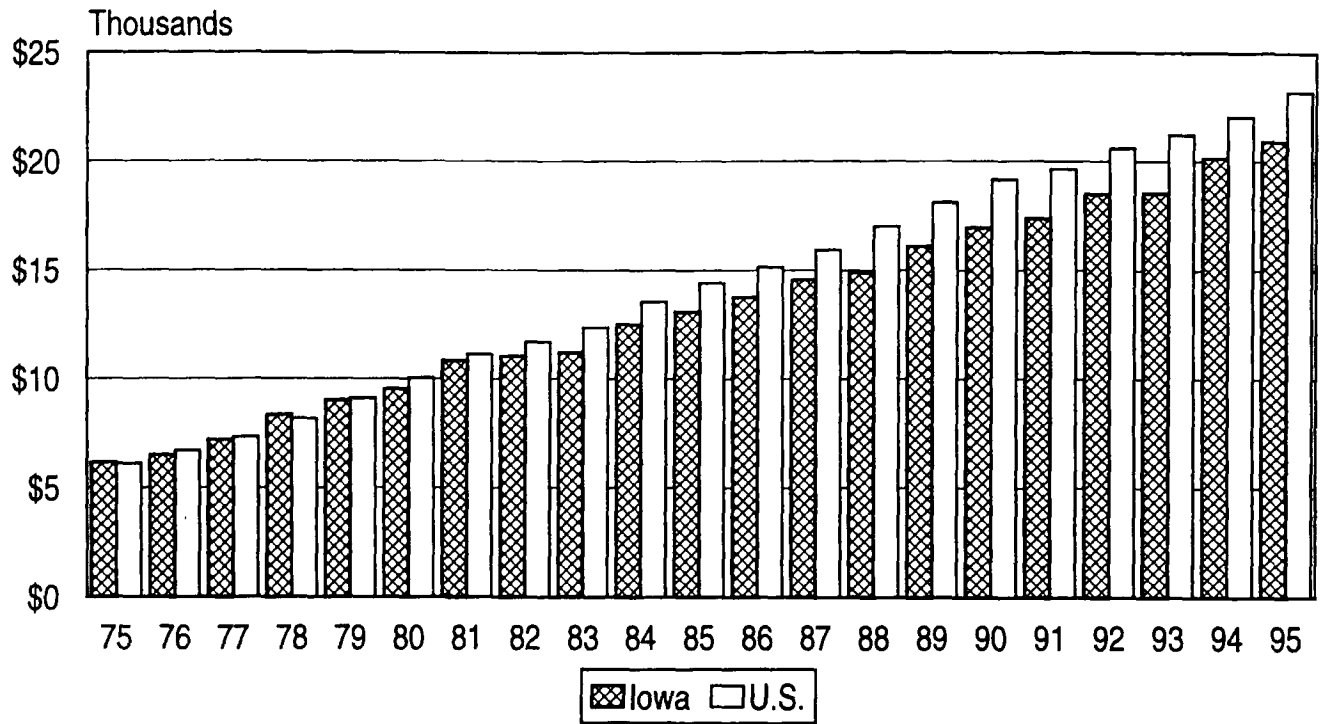
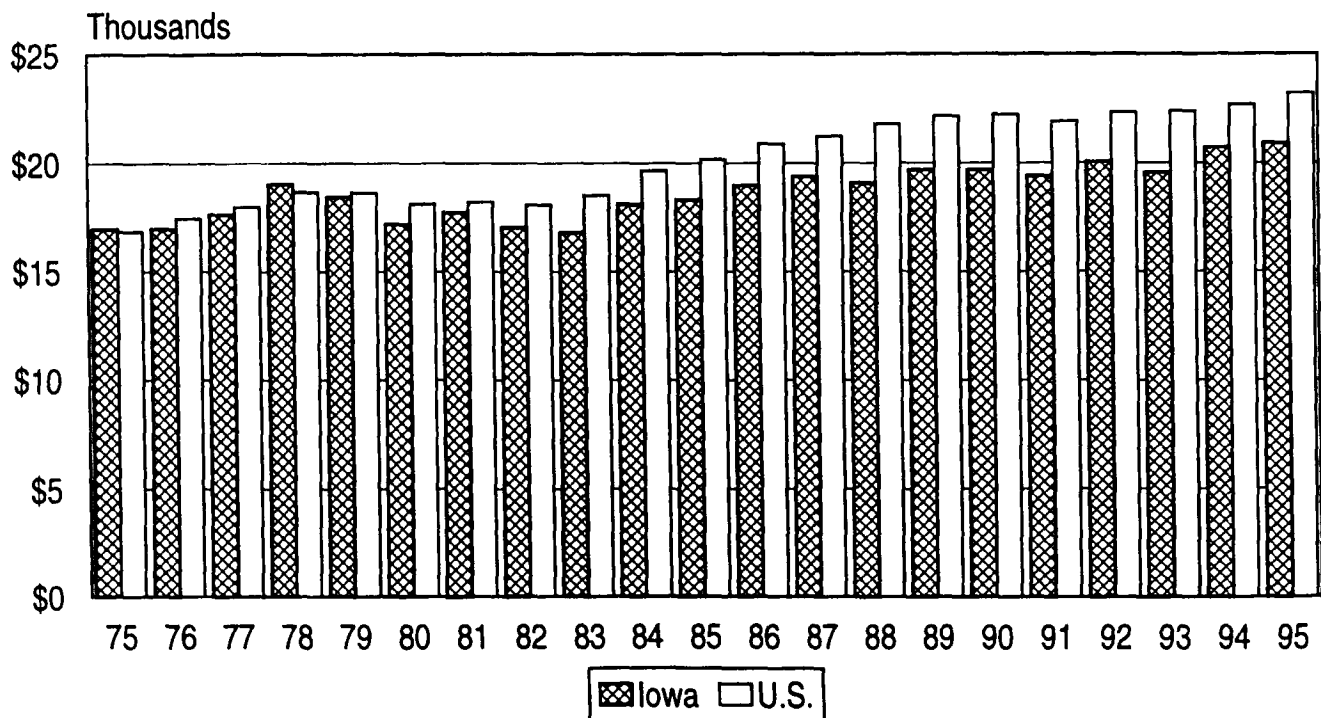


Figure 3. Adjusted per capita income (in 1995 dollars) in Iowa and the United States, 1975-1995.



## Personal Income in Iowa's Counties:

1985-1995

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Information related to selected categories of income is estimated annually by the Bureau of Economic Analysis of the U.S. Department of Commerce. Four categories are included in this report. Nonfarm earnings include any income from wages, salaries, and self-employment received from other than farming activities. The second category consists of farm earnings, which refer to wages, salaries, and self-employment earnings received in farming activities. Dividends, interest, and rent constitute the third category. The fourth category includes transfer payments, with social security and public assistance benefits the two primary components; also included is the imputed value of non-monetary income or benefits such as Medicare, public housing subsidies, and other "in-kind" resources. The sum of the four categories represents total personal income in Iowa and its counties. Because of the inclusion of the value of non-monetary benefits, the income figures from the Bureau of Economic Analysis will generally be higher than figures produced by the U.S. Bureau of the Census which do not include such "in-kind" benefits. In this report, both initial income figures and data adjusted for inflation (using 1995 dollar values) are presented. The adjusted figures indicate whether income trends were keeping pace with the rising prices of goods and services.

### Total Personal Income

Total personal income is derived from broad sources: personal employment, which generates personal earnings from farm or nonfarm sources; dividends, interest, and rents received by individuals, which are the returns received for investing money, land, and capital in the production process; and transfer payments to individuals, which include payments for which no goods or services are provided in return.

Personal income totaled \$59.4 billion in 1995, up \$2 billion from 1994 and \$22 billion from 1985 (Table 1). In 1995, income ranged from \$67.6 million in Adams to \$9.2 billion in Polk. Adams is Iowa's least populous county, while Polk has the highest number of residents; in general, total income tends to follow the ranking on total population. Income increased by 60.6 percent from 1985 to 1995 in Iowa; gains occurred in all counties. Five (Adams, Fremont, Ringgold, Taylor, Wayne) increased by less than \$20 million; four others (Johnson, Linn, Polk, Scott) each gained more than \$1 billion from 1985 to 1995.

When inflation is taken into account, however, increases in total personal income show a somewhat different pattern (Table 2). Adjusted income increased between 1985 and 1995 but not annually. Instead, 7 of the 10 year-to-year comparisons produced gains; the total increase for the period was \$7.6 billion or 14.7 percent. County patterns also differed; thirty-four counties had lower total personal income in 1995 than in 1985 after inflation was included in the calculations. Gains in adjusted income in the remaining 65 counties were greatest in Polk (+\$2.4 billion), Linn (+\$993 million), and Johnson (+\$675 million); nine others increased by at least \$100 million from 1985 to 1995 when the adjusted figures are used.

### Nonfarm Earnings

Of the four categories that are summed to yield total personal income, nonfarm earnings constitute by far the largest share (\$37.6 billion, or 63.3% of the total in 1995) (Table 3). Statewide,

Table 1. Total Personal Income (in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	135788	148997	127425	138969	126327	128787	124648	109051	111528	112078	100812
Adams	67621	78492	67561	73609	69572	68777	67948	59485	66740	64259	57638
Allamakee	226770	226110	214419	215579	197788	201214	190088	170484	176705	166117	155780
Appanoose	207124	205488	193048	191331	181110	173027	166336	156018	155781	151847	142709
Audubon	122579	125235	109711	122291	117322	110692	111081	97913	104988	95158	94839
Benton	458188	434150	393606	385494	356830	350460	338653	301589	311104	302044	277527
Black Hawk	2540218	2405594	2257756	2196004	2061132	2007364	1899101	1763414	1677102	1589378	1606223
Boone	539375	527825	476664	481041	449113	430596	420048	381555	380626	358135	334946
Bremer	467862	447889	416693	410663	373062	364860	333907	304146	302270	289761	290767
Buchanan	373093	366213	328205	336133	317903	310356	290769	260799	268369	241570	239201
Buena Vista	388852	377032	336110	348018	329083	319670	313624	288319	280918	279569	268129
Butler	288323	278560	248990	267638	246220	241320	215746	203832	212750	202782	206698
Calhoun	218770	221620	178489	199652	169044	170226	175175	166052	163869	161396	157622
Carroll	452313	436680	398161	413194	377043	360117	348014	331814	328023	308208	300179
Cass	274468	276134	250953	258251	238208	234973	234173	209440	213314	210649	207819
Cedar	347937	344170	311629	315031	295421	297797	281832	254545	256764	237908	238344
Cerro Gordo	976168	927512	847887	849806	811777	796579	735456	711635	694912	660982	638191
Cherokee	254227	268150	230968	240106	233473	229194	216610	209078	202201	194085	186429
Chickasaw	242147	235204	206746	218057	202287	198453	189007	175990	190034	176969	173241
Clarke	115885	122015	112041	117306	112698	112518	109183	98511	100202	94445	88256
Clay	362823	356546	297929	311597	288649	294395	285334	268514	255348	245328	233098
Clayton	330238	315637	294109	302567	280843	286129	268297	236798	249990	237132	221107
Clinton	995715	956592	895664	901253	840989	819799	783176	724084	707087	675665	667554
Crawford	307885	308625	273775	280668	256338	247769	233698	225804	226114	218528	206717
Dallas	758177	706855	643501	616943	561359	535928	512491	465650	448683	421522	398897
Davis	133001	132650	126559	125425	113876	112764	99985	91817	93735	91442	87059
Decatur	106589	113195	102521	105471	100328	98189	98335	84549	90845	88774	84844
Delaware	306155	313457	284668	294254	282203	290230	263231	230621	249492	229460	211952
Des Moines	886858	851749	807347	784933	745067	730544	683767	647519	629045	603409	585598
Dickinson	363215	345734	307988	306185	281790	275953	263063	238307	226865	212642	199858
Dubuque	1864896	1771027	1668945	1611731	1493502	1448953	1361692	1274237	1244346	1152034	1122226
Emmet	210758	208542	177426	194023	175249	175825	166849	155698	156064	152665	151275
Fayette	369021	361608	315483	330779	314014	314622	297602	263534	280510	264442	261181
Floyd	317952	305884	279926	292392	277042	278155	247309	238011	242234	230353	223326
Franklin	208253	207183	166577	195272	169775	177547	171022	161055	170295	170628	156322
Fremont	133313	141157	112252	131828	119506	115205	115377	116796	113779	121337	116490
Greene	206991	199395	166319	188267	163417	155236	161581	144482	155773	152469	141172
Grundy	265554	252194	225701	244893	217672	210910	192031	183521	192261	183327	178443
Guthrie	202329	199290	178642	187876	177217	172759	167892	147694	153206	143595	139211
Hamilton	340171	332935	277163	299065	282431	270505	280570	235698	250800	247483	236784
Hancock	215189	216513	177803	199054	176509	191874	179599	174172	171714	177818	175338
Hardin	386311	370965	325182	344308	319181	316099	291233	270044	288819	287453	278117
Harrison	253489	251418	223248	234695	208821	201553	191828	183529	184044	184306	186920
Henry	378470	370460	341621	336352	315815	310195	282180	265383	256049	246045	232657
Howard	179827	177642	146844	156170	146290	145999	137757	120111	132441	130055	119890
Humboldt	220076	212383	177080	192525	166916	171689	176728	155280	155675	150931	142405
Ida	146144	148214	129182	140189	127757	129622	125960	120733	118507	113068	111641
Iowa	316394	318996	292371	295176	262923	248828	234184	211322	219917	201125	200737
Jackson	340784	337363	320385	307381	286824	287084	272854	255071	262269	241582	238521
Jasper	754610	728628	663504	655982	621894	607644	575423	539864	535989	505709	485323



Table 1. Total Personal Income (in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	313414	307711	271439	274813	256368	255576	239045	219985	219574	209882	190613
Johnson	2321441	2206144	2042295	1913120	1788780	1707621	1597787	1427171	1327437	1258404	1175327
Jones	315901	311506	288222	290047	270429	273648	261455	229477	234959	220182	215535
Keokuk	189097	198463	177630	186246	178284	176751	173486	152472	174234	160590	155477
Kossuth	326094	338391	272067	307362	265593	290661	292614	276210	276391	278876	257537
Lee	743328	712383	659896	659965	631608	606631	577664	545666	533039	530411	521723
Linn	4363402	4093873	3834772	3629797	3442580	3314489	3142974	2866611	2702360	2535218	2406470
Louisa	202583	204276	183279	188268	175795	179585	168305	153950	156138	149717	141571
Lucas	143471	153798	141770	145051	138577	134769	131148	125561	123758	120457	112570
Lyon	199735	208112	172265	186676	179334	175715	173467	151869	156677	150719	149689
Madison	248879	241680	214772	213259	198929	193700	185217	166812	167232	160565	151399
Mahaska	394765	392100	358224	356219	336580	334519	314028	290446	298977	286937	271117
Marion	634622	609455	555817	540857	508887	498106	468313	442335	439569	410701	390103
Marshall	832753	790833	729952	729245	701379	677547	651623	584390	583033	561806	548992
Mills	283947	282513	254874	265226	249831	240060	225936	220701	211421	198473	183280
Mitchell	231692	225953	191811	205846	191641	196241	181354	160645	175415	166789	154506
Monona	164258	175966	155193	165255	140066	141368	142296	131480	127728	132205	127921
Monroe	142907	143280	132169	133380	125830	122014	113379	105063	105923	98139	96355
Montgomery	232590	232669	213928	216909	206913	198337	193003	172895	168879	167102	160138
Muscatine	936044	892851	843873	803821	740452	715210	670435	631526	607495	585710	573563
O'Brien	302765	293422	251059	271587	260942	257152	246897	242024	232332	225098	216305
Osceola	132067	132308	103252	116947	115805	111045	105223	99714	96289	93306	87644
Page	323673	317759	288336	295565	278106	271647	260218	231602	232617	238360	220955
Palo Alto	187303	190101	150652	177049	149275	164639	156967	149797	153608	150290	149796
Plymouth	472007	468345	440061	436532	410199	389386	365792	318739	336693	307708	301391
Pocahontas	167695	174840	137495	164207	141740	143174	150224	138148	137532	147970	147180
Polk	9167422	8561148	8060782	7704492	7198115	6829055	6345871	5867046	5393508	5077121	4837137
Pottawattamie	1606596	1528858	1417662	1407943	1322390	1263537	1200512	1165326	1142635	1104080	1079772
Poweshiek	385589	375959	339908	342850	324736	318797	304080	277376	278269	260306	238414
Ringgold	73318	84810	71898	77373	72398	70667	72142	62462	68047	66160	57007
Sac	212264	216983	189643	204560	187220	187110	182869	173099	171244	176824	160441
Scott	3446990	3245060	3108767	3004479	2862203	2763648	2573556	2411886	2315029	2197591	2165454
Shelby	238828	238075	210662	223836	213987	209560	197534	182625	184668	173181	180510
Sioux	576780	554866	499772	512509	475713	462231	436629	394266	395117	376511	381624
Story	1555493	1469351	1360441	1321883	1240952	1173400	1115099	1022216	988671	940573	898713
Tama	340954	329881	289245	290789	278147	277690	262432	249866	255102	242510	234143
Taylor	94118	101715	88424	96655	91467	87027	84200	77444	86919	87111	83621
Union	213324	212563	197265	197774	188977	186101	176156	165240	163203	159189	154265
Van Buren	114695	120005	107554	112367	104422	102221	94981	86064	88570	84576	80586
Wapello	651970	626916	584996	582158	561586	540479	511271	472424	459697	447128	444819
Warren	783300	745789	682830	660504	612327	580862	544868	508227	480009	451412	434892
Washington	401263	394882	361662	365639	348452	339616	310868	278056	289434	275956	275798
Wayne	98584	107440	92992	94982	92449	92287	90791	83100	91718	90532	84833
Webster	831960	783428	703121	711477	667976	627875	615112	561000	552037	548912	521829
Winnebago	242865	243211	209340	216654	197267	208261	203830	203891	192978	186543	177463
Winneshiek	388852	379370	346014	349400	324999	322181	300037	263715	271533	252806	234433
Woodbury	2188969	2031658	1910871	1870333	1691660	1623259	1551699	1468838	1414783	1324324	1287551
Worth	149741	146344	119814	132484	123140	131953	120789	114793	115840	112185	109556
Wright	285435	269727	226310	249245	220103	225748	237514	214015	211713	212165	206791

State of Iowa 59414639 57032678 52351853 51949062 48524219 47122140 44604137 41221832 40250130 38370978 36996822

Table 2. Adjusted Total Personal Income (1995 dollars in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	135788	153222	134352	150654	140921	149459	152260	139632	148515	154601	141200
Adams	67621	80718	71234	79798	77610	79816	83000	76166	88874	88639	80729
Allamakee	226770	232521	226075	233705	220638	233511	232197	218292	235308	229143	218190
Appanoose	207124	211314	203542	207419	202033	200800	203183	199769	207444	209459	199882
Audubon	122579	128786	115675	132574	130876	128459	135688	125370	139806	131262	132834
Benton	458188	446460	415003	417907	398054	406712	413672	386162	414279	416641	388712
Black Hawk	2540218	2473802	2380489	2380650	2299252	2329566	2319795	2257919	2233299	2192398	2249721
Boone	539375	542791	502576	521488	500999	499711	513098	488552	506857	494014	469135
Bremer	467862	460588	439345	445193	416161	423424	407875	389436	402515	399698	407256
Buchanan	373093	376597	346046	364396	354630	360171	355181	333934	357371	333223	335032
Buena Vista	388852	387722	354381	377280	367102	370980	383099	369171	374082	385639	375549
Butler	288323	286458	262525	290142	274666	280054	263539	260992	283307	279719	289507
Calhoun	218770	227904	188192	216439	188573	197549	213980	212617	218215	222631	220770
Carroll	452313	449062	419805	447936	420602	417919	425107	424863	436809	425144	420439
Cass	274468	283964	264595	279965	265728	272688	286048	268172	284058	290571	291077
Cedar	347937	353929	328569	341520	329551	345596	344264	325926	341918	328172	333831
Cerro Gordo	976168	953811	893979	921260	905561	924438	898376	911195	925374	911763	893868
Cherokee	254227	275753	243524	260295	260446	265982	264594	267709	269259	267722	261118
Chickasaw	242147	241873	217985	236392	225657	230307	230876	225342	253057	244112	242646
Clarke	115885	125475	118132	127169	125718	130578	133369	126136	133433	130278	123614
Clay	362823	366656	314125	337797	321996	341648	348542	343812	340032	338407	326484
Clayton	330238	324587	310097	328008	313288	332056	327731	303202	332897	327101	309689
Clinton	995715	983715	944353	977033	938148	951385	956667	927135	941587	932017	934995
Crawford	307885	317376	288658	304267	285952	287538	285467	289125	301103	301439	289534
Dallas	758177	726897	678482	668817	626212	621950	626019	596230	597485	581450	558706
Davis	133001	136411	133439	135971	127032	130864	122134	117565	124821	126136	121937
Decatur	106589	116405	108094	114339	111919	113949	120118	108259	120973	122455	118835
Delaware	306155	322345	300143	318996	314806	336815	321543	295293	332234	316519	296866
Des Moines	886858	875900	851235	850932	831144	847804	835237	829099	837663	832346	820205
Dickinson	363215	355537	324730	331930	314345	320246	321337	305134	302103	293320	279927
Dubuque	1864896	1821243	1759670	1747250	1666045	1681524	1663337	1631565	1657023	1589123	1571821
Emmet	210758	214455	187071	210337	195495	204047	203810	199360	207821	210587	211880
Fayette	369021	371861	332633	358592	350292	365122	363528	337435	373539	364773	365817
Floyd	317952	314557	295143	316977	309048	322802	302093	304755	322569	317750	312797
Franklin	208253	213057	175632	211691	189389	206045	208907	206219	226772	235365	218949
Fremont	133313	145159	118354	142912	133312	133697	140936	149548	151513	167373	163159
Greene	206991	205049	175360	204097	182296	180153	197375	184998	207434	210317	197729
Grundy	265554	259345	237970	265484	242819	244763	234570	234985	256023	252882	249932
Guthrie	202329	204941	188353	203673	197691	200489	205084	189111	204016	198076	194983
Hamilton	340171	342375	292230	324211	315060	313924	342723	301794	333976	341380	331646
Hancock	215189	222652	187468	215791	196901	222672	219384	223014	228662	245283	245583
Hardin	386311	381483	342859	373258	356056	366836	355748	345771	384603	396514	389538
Harrison	253489	258547	235384	254429	232946	233904	234322	234995	245081	254233	261805
Henry	378470	380964	360192	364633	352301	359984	344689	339803	340966	339396	325866
Howard	179827	182679	154827	169301	163191	169433	168273	153793	176364	179399	167921
Humboldt	220076	218405	186706	208713	186200	199247	215877	198824	207303	208195	199456
Ida	146144	152416	136204	151976	142517	150428	153863	154590	157809	155967	156368
Iowa	316394	328041	308264	319995	293298	288767	286061	270582	292851	277433	281158
Jackson	340784	346929	337801	333226	319960	333164	333297	326599	349248	333240	334079
Jasper	754610	749288	699573	711139	693741	705177	702892	691255	713745	697578	679757

Table 2. Adjusted Total Personal Income (1995 dollars in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	313414	316436	286195	297920	285986	296598	291999	281674	292394	289513	266978
Johnson	2321441	2268697	2153316	2073980	1995436	1981711	1951733	1827385	1767671	1735850	1646196
Jones	315901	320338	303890	314435	301671	317571	319373	293828	312881	303720	301884
Keokuk	189097	204090	187286	201906	198881	205121	211917	195229	232017	221519	217765
Kossuth	326094	347986	286857	333206	296277	337315	357435	353666	368054	384683	360714
Lee	743328	732582	695768	715457	704577	704001	705630	698684	709817	731652	730740
Linn	4363402	4209951	4043233	3935000	3840297	3846497	3839213	3670480	3598576	3497096	3370569
Louisa	202583	210068	193242	204098	196104	208410	205588	197121	207920	206521	198288
Lucas	143471	158159	149477	157247	154587	156401	160200	160771	164801	166159	157669
Lyon	199735	214013	181629	202372	200052	203919	211894	194457	208638	207903	209659
Madison	248879	248533	226447	231190	221911	224791	226247	213590	222693	221484	212054
Mahaska	394765	403218	377697	386171	375465	388213	383592	371894	398130	395803	379734
Marion	634622	626736	586032	586334	567678	578057	572055	566377	585348	566524	546389
Marshall	832753	813256	769633	790562	782409	786300	795972	748267	776391	774959	768934
Mills	283947	290523	268729	287527	278694	278592	275986	282591	281537	273775	256707
Mitchell	231692	232360	202238	223154	213781	227740	221528	205694	233590	230070	216405
Monona	164258	180955	163629	179150	156248	164059	173818	168350	170088	182364	179170
Monroe	142907	147343	139354	144595	140367	141598	138495	134525	141051	135374	134958
Montgomery	232590	239266	225557	235147	230817	230172	235757	221379	224886	230502	224294
Muscatine	936044	918167	889747	871408	825996	830008	818951	808622	808966	807932	803348
O'Brien	302765	301742	264707	294423	291088	298427	301590	309894	309383	310502	302963
Osceola	132067	136059	108865	126780	129184	128869	128532	127676	128222	128707	122757
Page	323673	326769	304010	320417	310235	315249	317862	296549	309763	328795	309476
Palo Alto	187303	195491	158842	191936	166521	191065	191739	191804	204551	207311	209808
Plymouth	472007	481624	463983	473237	457589	451886	446823	408121	448354	424454	422137
Pocahontas	167695	179797	144969	178014	158115	166155	183502	176888	183143	204111	206144
Polk	9167422	8803891	8498972	8352306	8029705	7925186	7751624	7512311	7182221	7003413	6775029
Pottawattamie	1606596	1572207	1494727	1526327	1475164	1466347	1466452	1492112	1521581	1522975	1512359
Poweshiek	385589	386619	358386	371678	362252	369967	371441	355159	370555	359068	333929
Ringgold	73318	87215	75806	83879	80762	82010	88123	79978	90614	91262	79846
Sac	212264	223135	199952	221760	208849	217143	223379	221640	228036	243912	224718
Scott	3446990	3337071	3277762	3257103	3192870	3207241	3143656	3088239	3082789	3031371	3032995
Shelby	238828	244825	222114	242657	238709	243196	241292	233838	245912	238887	252827
Sioux	576780	570599	526940	555602	530672	536424	533352	504828	526154	519362	534513
Story	1555493	1511013	1434395	1433030	1384318	1361742	1362118	1308871	1316556	1297432	1258763
Tama	340954	339234	304969	315239	310281	322262	320567	319935	339704	334520	327947
Taylor	94118	104599	93231	104782	102034	100996	102852	99161	115745	120161	117122
Union	213324	218590	207988	214403	210809	215972	215179	211577	217328	219586	216068
Van Buren	114695	123408	113401	121815	116486	118628	116021	110198	117944	116665	112871
Wapello	651970	644692	616797	631107	626465	627231	624529	604903	612152	616771	623026
Warren	783300	766935	719949	716041	683068	674096	665568	650746	639200	622681	609122
Washington	401263	406079	381322	396383	388708	394128	379732	356030	385422	380655	386290
Wayne	98584	110486	98047	102968	103130	107100	110903	106403	122136	124880	118819
Webster	831960	805641	741343	771300	745147	728655	751373	718318	735116	757173	730888
Winnebago	242865	250107	220720	234871	220057	241689	248983	261067	256978	257319	248560
Winneshiek	388852	390127	364824	378778	362546	373894	366502	337667	361585	348722	328353
Woodbury	2188969	2089264	2014747	2027596	1887096	1883808	1895435	1880737	1883984	1826781	1803380
Worth	149741	150493	126327	143624	137366	153133	147546	146984	154257	154749	153447
Wright	285435	277375	238612	270202	245531	261983	290129	274030	281925	292662	289637
State of Iowa	59414639	58649787	55197735	56317075	54130168	54685709	54484955	52781456	53598755	52929169	51818783

Table 3. Nonfarm Earnings (in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	75259	69490	66660	64007	59229	58207	53086	51301	46968	42929	41849
Adams	37269	35395	34133	32425	30704	29227	29133	28220	26646	25822	25975
Allamakee	121401	115554	110606	104941	96251	91600	89480	86488	83619	78256	76577
Appanoose	113572	110272	106528	102864	97234	88425	83243	79014	75392	73080	70504
Audubon	55949	53281	50724	49811	46971	43142	41715	41534	37920	36756	36865
Benton	284927	260782	239669	224332	210355	200257	192047	180256	166879	157394	151242
Black Hawk	1649341	1566935	1474936	1420349	1320532	1280383	1221855	1146695	1053831	956403	992512
Boone	302780	285915	268383	257608	242465	232248	221991	209715	196269	186758	182082
Bremer	288346	272452	257139	243528	222862	211648	196101	183226	168962	156768	163352
Buchanan	218137	204786	189548	180621	170147	163048	155064	147492	133513	122098	122491
Buena Vista	202497	191084	181998	173727	165237	154994	153875	143346	134732	130253	127593
Butler	150659	142439	134860	129739	120381	114105	109734	102140	97202	88645	90085
Calhoun	93243	87834	86143	81951	77757	73109	72254	66594	61428	58736	60011
Carroll	235510	221425	209318	196361	179231	167499	161957	158139	149840	146571	145895
Cass	140418	132638	126571	119160	109556	108012	107803	103392	95963	96788	98344
Cedar	203620	193831	182747	175621	166705	161836	150838	142821	132978	126782	125346
Cerro Gordo	595906	559574	518707	502901	482509	460748	442805	429449	400825	375428	371020
Cherokee	128307	121039	117709	112601	108535	104073	96562	93688	89665	88390	89979
Chickasaw	136364	127731	120398	115148	107820	101834	101772	98871	96015	89692	88502
Clarke	70678	68438	65127	65584	63890	62664	62369	55685	51828	48767	45733
Clay	211423	198316	185023	173380	163291	160500	154425	147077	133952	123072	120783
Clayton	168148	148387	141137	136819	125623	121056	115408	110805	102235	97896	95484
Clinton	619450	589133	559750	551594	516063	489963	469880	445187	416073	396996	394757
Crawford	164342	150101	142569	135982	125885	119226	116866	118737	115907	110419	108991
Dallas	518586	476164	437718	409931	371935	351964	329089	315626	288062	264245	257083
Davis	75245	69057	66703	63372	59816	57632	54388	50656	46524	44268	45033
Decatur	57063	55903	51931	50123	49181	48449	50054	44296	45496	43005	43286
Delaware	174460	163957	153389	146346	140311	135393	127033	114792	105998	99282	96208
Des Moines	565899	543624	512955	496227	473597	457668	433114	411042	397066	366489	349794
Dickinson	203432	187159	175983	162752	145927	140487	128759	115671	105486	96354	92992
Dubuque	1201973	1134396	1047596	1000595	916558	874533	834099	796334	764313	681912	683192
Emmet	109082	103153	101467	96686	91101	85785	79343	77009	71929	66853	68162
Fayette	189716	178914	162814	155948	146316	142034	137501	131954	125266	121186	123650
Floyd	154118	145506	145492	141364	135520	131700	126951	119806	113073	104114	100249
Franklin	105090	99098	90059	85758	79960	77482	73766	70435	65757	63930	62855
Fremont	66960	64098	59154	56508	53105	52062	51403	51762	50487	48210	49766
Greene	84509	79746	76159	73317	66863	62706	61458	60149	58314	55146	55101
Grundy	140101	133964	126292	121755	112110	106005	98644	91353	87459	81407	83906
Guthrie	109982	100751	97417	92888	88723	84639	78671	73200	67838	64522	62886
Hamilton	185878	178199	163644	156281	153794	145234	142273	135787	124466	119376	117056
Hancock	110611	105849	97029	91747	87211	87279	86024	83383	75807	71367	72395
Hardin	193662	182839	169951	163080	153840	151009	137253	133049	130768	128339	128253
Harrison	147132	137320	127199	122060	113118	108836	102290	96487	91818	88824	84995
Henry	243586	231258	215991	208134	193128	185913	172908	161483	149237	139233	131977
Howard	91223	87016	75695	70965	65659	61403	57772	55483	53999	52101	50550
Humboldt	105721	99557	91737	86482	80974	77602	75182	71046	66655	62823	62228
Ida	78460	75211	70987	67229	62518	59827	56322	54994	49993	46746	46411
Iowa	198275	190576	178147	167702	153252	138940	131068	121713	112886	105602	102278
Jackson	196403	191571	178418	171910	161400	155789	145808	140071	133455	124318	122583
Jasper	468408	448989	414064	391395	377482	367010	350314	333534	311983	289093	278369

Table 3. Nonfarm Earnings (in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	194567	181439	164131	162384	151997	146694	139912	136461	127339	117149	105917
Johnson	1696148	1607718	1483615	1400310	1314082	1241921	1168003	1060365	964494	901558	847070
Jones	184882	176408	165351	160517	150500	143292	134901	126425	116357	108766	105184
Keokuk	90372	84819	80926	79375	76153	73007	71000	67348	66490	65534	64566
Kossuth	158807	149973	143933	141611	132009	130108	128663	118571	112051	108396	108283
Lee	453475	428046	397395	393219	373239	365940	350408	331660	318211	311425	307806
Linn	3094160	2900396	2707913	2539574	2394680	2300299	2181506	2019944	1876053	1727063	1644457
Louisa	134418	126607	119674	115252	111968	108545	103302	93486	89626	82345	76004
Lucas	76831	84351	81425	81102	78561	74234	72849	69115	66366	63842	62379
Lyon	96560	91707	88346	82371	75581	71150	69242	65172	61389	57295	56441
Madison	168792	155135	143415	132678	123443	118788	110096	104822	96891	88662	84270
Mahaska	231821	219538	203640	195572	180135	178438	165429	158873	149547	142176	136958
Marion	402668	377754	349113	331784	310697	302515	287891	273460	261321	237955	227137
Marshall	512672	490799	451797	440398	428519	407695	387149	360530	342319	327044	327893
Mills	165784	153262	144437	138014	131181	125931	119999	114431	106834	101103	99598
Mitchell	113332	105583	98506	93095	86169	84311	77485	72169	70841	66406	64603
Monona	87156	81661	77488	70710	66344	61276	60203	55185	52095	51303	51315
Monroe	88553	84168	79124	76607	72498	69760	63565	60499	59587	53572	54414
Montgomery	128139	120964	115675	107376	103947	100073	95082	87823	81839	76983	78576
Muscatine	578133	547537	529762	502631	466603	447943	427372	403033	383824	364614	358376
O'Brien	146579	138186	128961	122720	115251	109972	103888	102442	94942	89467	87620
Osceola	58345	54778	52634	49989	47420	44590	40545	38663	36803	35684	35690
Page	184589	172677	158131	149276	137048	133203	126960	116417	107386	108912	106758
Palo Alto	86228	78893	76835	72555	67529	64803	65063	62035	60294	56670	56143
Plymouth	269751	256740	240795	223834	208535	192366	179096	162376	160318	142628	137661
Pocahontas	74174	70211	68352	67299	64722	63631	61829	57316	53858	51813	49868
Polk	6606814	6184382	5819063	5543788	5114332	4857669	4517486	4196307	3818974	3539515	3381110
Pottawattamie	1067032	995437	932834	902288	859078	830360	802048	779354	750256	713631	693684
Poweshiek	235526	222331	208503	200690	192773	185846	176321	168119	155534	142864	136678
Ringgold	38525	36773	34856	33530	31380	30439	29650	27248	25695	26054	24853
Sac	90649	85917	80797	77781	73962	69434	66815	62760	59930	59466	60405
Scott	2320511	2192010	2066431	2039112	1939304	1862375	1749693	1650825	1584574	1475771	1471547
Shelby	118599	108475	104822	101766	97833	92371	85254	83562	76967	75426	76135
Sioux	322282	303406	279898	257607	237884	226126	208372	193247	177173	169584	171498
Story	1070202	1013748	950697	901093	851735	809654	761875	702306	654631	615311	593426
Tama	193713	180963	163960	150606	147102	142796	137255	131432	123773	115469	114754
Taylor	46459	43373	41527	39827	38169	35821	33288	32942	31313	30960	30624
Union	122799	116203	112646	108901	100649	98462	94638	89580	83932	81462	78573
Van Buren	64653	61651	57530	56366	52148	51143	47919	43732	42066	39797	38865
Wapello	397500	379404	355952	345658	334528	325187	306983	283929	268123	253231	264698
Warren	580748	542633	507653	481277	447410	422921	396351	371970	341227	319726	307238
Washington	222931	209266	194975	191237	180055	169731	160952	150095	137400	128680	126408
Wayne	47858	47003	43937	42770	41338	41349	39313	37438	36738	36073	34269
Webster	462434	435919	404801	387253	366744	349248	331194	312478	293627	283789	284413
Winnebago	140985	135973	124733	114946	107926	107095	109141	110761	97661	92664	90900
Winneshiek	233885	215892	200344	194522	181046	167918	156318	145859	136129	126066	120882
Woodbury	1485704	1361452	1252813	1192939	1084466	1054451	1006922	947477	890672	820717	801206
Worth	70370	66609	63253	60872	57607	57853	55353	54848	50568	47732	47661
Wright	136134	127127	115528	110755	106092	101510	102151	96751	90685	89425	92377
State of Iowa	37596370	35376004	33127301	31667446	29655004	28395429	26888480	25272628	23607500	22065222	21574410

Table 4. Adjusted Nonfarm Earnings (1995 dollars in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	75259	71460	70284	69389	66072	67550	64846	65687	62545	59217	58615
Adams	37269	36399	35988	35151	34251	33918	35587	36134	35483	35619	36381
Allamakee	121401	118830	116619	113765	107371	106303	109302	110741	111351	107947	107256
Appanoose	113572	113399	112319	111513	108467	102618	101683	101171	100395	100807	98750
Audubon	55949	54792	53481	53999	52398	50067	50956	53181	50496	50701	51634
Benton	284927	268176	252698	243194	234657	232400	234590	230804	222223	217110	211834
Black Hawk	1649341	1611364	1555115	1539776	1473092	1485897	1492523	1468257	1403325	1319268	1390140
Boone	302780	294022	282972	279268	270477	269526	271167	268524	261360	257615	255029
Bremer	288346	280177	271117	264004	248609	245620	239542	234607	224997	216247	228795
Buchanan	218137	210593	199852	195808	189804	189219	189414	188852	177791	168423	171564
Buena Vista	202497	196502	191892	188334	184327	179872	187962	183544	179415	179672	178710
Butler	150659	146478	142191	140648	134288	132420	134043	130783	129438	122277	126176
Calhoun	93243	90324	90826	88842	86740	84844	88260	85269	81800	81021	84053
Carroll	235510	227703	220697	212872	199937	194384	197834	202485	199533	202181	204345
Cass	140418	136399	133451	129179	122213	125349	131684	132386	127788	133510	137743
Cedar	203620	199327	192681	190388	185964	187812	184252	182872	177079	174884	175563
Cerro Gordo	595906	575440	546904	545186	538253	534703	540896	549877	533755	517868	519661
Cherokee	128307	124471	124108	122069	121074	120778	117953	119960	119402	121926	126027
Chickasaw	136364	131353	126943	124830	120276	118179	124317	126597	127858	123722	123958
Clarke	70678	70378	68667	71098	71271	72722	76185	71300	69016	67270	64055
Clay	211423	203939	195081	187958	182156	186262	188634	188321	178376	169766	169172
Clayton	168148	152594	148809	148323	140136	140487	140973	141877	136140	135038	133738
Clinton	619450	605837	590178	597973	575683	568607	573969	570028	554060	547619	552908
Crawford	164342	154357	150319	147416	140428	138363	142754	152034	154347	152313	152656
Dallas	518586	489665	461513	444399	414904	408458	401990	404135	383595	364501	360078
Davis	75245	71015	70329	68700	66726	66883	66436	64861	61953	61064	63074
Decatur	57063	57488	54754	54337	54863	56226	61142	56718	60584	59321	60628
Delaware	174460	168606	161727	158651	156521	157125	155174	146983	141151	136950	134752
Des Moines	565899	559038	540840	537951	528311	531128	529058	526308	528750	505537	489931
Dickinson	203432	192466	185550	176437	162786	163037	157282	148108	140470	132911	130247
Dubuque	1201973	1166561	1104544	1084728	1022447	1014904	1018871	1019646	1017791	940634	956898
Emmet	109082	106078	106983	104816	101626	99554	96919	98604	95784	92217	95470
Fayette	189716	183987	171665	169061	163220	164832	167961	168957	166809	167165	173188
Floyd	154118	149632	153401	153250	151176	152839	155073	153403	150573	143616	140412
Franklin	105090	101908	94955	92969	89198	89919	90107	90187	87565	88185	88036
Fremont	66960	65915	62370	61259	59240	60418	62790	66277	67231	66501	69704
Greene	84509	82007	80299	79482	74588	72771	75072	77016	77653	76069	77176
Grundy	140101	137762	133157	131992	125062	123020	120496	116971	116464	112293	117521
Guthrie	109982	103608	102713	100698	98973	98224	96098	93727	90336	89002	88080
Hamilton	185878	183252	172540	169422	171562	168545	173790	173865	165744	164668	163952
Hancock	110611	108850	102304	99461	97286	101288	105080	106766	100948	98444	101398
Hardin	193662	188023	179190	176792	171613	175247	167658	170359	174136	177032	179635
Harrison	147132	141214	134114	132323	126186	126305	124950	123544	122269	122524	119046
Henry	243586	237815	227732	225634	215440	215754	211211	206767	198730	192059	184851
Howard	91223	89483	79810	76932	73245	71259	70570	71042	71907	71868	70802
Humboldt	105721	102380	96724	93754	90329	90058	91837	90969	88761	86658	87158
Ida	78460	77344	74846	72882	69741	69430	68799	70416	66573	64482	65005
Iowa	198275	195980	187831	181803	170957	161241	160103	155844	150324	145668	143253
Jackson	196403	197003	188117	186365	180046	180795	178108	179350	177714	171485	171693
Jasper	468408	461720	436573	424305	421092	425919	427916	427065	415450	398777	389891

Table 4. Adjusted Nonfarm Earnings (1995 dollars in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	194567	186584	173053	176038	169557	170240	170906	174728	169570	161596	148350
Johnson	1696148	1653303	1564265	1518052	1465896	1441262	1426742	1357718	1284361	1243615	1186430
Jones	184882	181410	174340	174014	167887	166292	164785	161878	154946	150033	147324
Keokuk	90372	87224	85325	86049	84951	84725	86728	86234	88541	90398	90433
Kossuth	158807	154225	151757	153518	147260	150992	157165	151821	149212	149522	151664
Lee	453475	440183	418998	426282	416359	424677	428031	424666	423743	429582	431122
Linn	3094160	2982634	2855117	2753108	2671335	2669520	2664759	2586386	2498231	2382322	2303272
Louisa	134418	130197	126180	124943	124904	125968	126186	119702	119350	113587	106453
Lucas	76831	86743	85851	87921	87637	86149	88987	88497	88376	88064	87370
Lyon	96560	94307	93149	89297	84313	82570	84581	83448	81748	79033	79053
Madison	168792	159534	151211	143834	137704	137855	134485	134217	129024	122301	118031
Mahaska	231821	225763	214710	212016	200946	207079	202075	203425	199143	196118	191827
Marion	402668	388465	368091	359681	346591	351072	351665	350145	347986	328237	318134
Marshall	512672	504715	476357	477428	478025	473134	472911	461632	455846	451127	459256
Mills	165784	157608	152289	149619	146336	146144	146581	146520	142265	139462	139500
Mitchell	113332	108577	103861	100923	96124	97844	94650	92407	94335	91601	90485
Monona	87156	83976	81700	76655	74009	71111	73539	70660	69372	70768	71873
Monroe	88553	86555	83425	83048	80874	80957	77646	77464	79349	73898	76214
Montgomery	128139	124394	121963	116404	115956	116136	116145	112451	108980	106191	110056
Muscatine	578133	563062	558560	544894	520509	519842	522044	516053	511116	502951	501951
O'Brien	146579	142104	135971	133039	128566	127624	126902	131169	126429	123411	122723
Osceola	58345	56331	55495	54192	52898	51747	49527	49505	49008	49223	49988
Page	184589	177573	166727	161828	152881	154583	155084	149063	143000	150234	149528
Palo Alto	86228	81130	81012	78656	75331	75205	79476	79431	80290	78171	78635
Plymouth	269751	264020	253885	242655	232627	223243	218770	207910	213486	196742	192812
Pocahontas	74174	72202	72068	72958	72199	73844	75526	73389	71720	71471	69847
Polk	6606814	6359734	6135391	6009924	5705185	5637373	5518211	5373056	5085505	4882429	4735677
Pottawattamie	1067032	1023662	983543	978155	958326	963641	979720	997904	999072	984387	971593
Poweshiek	235526	228635	219837	217565	215044	215676	215380	215264	207116	197068	191435
Ringgold	38525	37816	36751	36349	35005	35325	36218	34889	34217	35939	34810
Sac	90649	88353	85189	84321	82507	80579	81616	80359	79805	82028	84605
Scott	2320511	2254162	2178764	2210566	2163350	2161305	2137289	2113757	2110085	2035688	2061090
Shelby	118599	111551	110520	110323	109136	107197	104140	106995	102492	104043	106637
Sioux	322282	312009	295113	279267	265366	262421	254531	247438	235931	233925	240205
Story	1070202	1042492	1002378	976859	950135	939611	930647	899250	871734	848764	831169
Tama	193713	186094	172873	163269	164097	165716	167660	168289	164821	159279	160728
Taylor	46459	44603	43784	43176	42579	41571	40662	42180	41698	42706	42893
Union	122799	119498	118770	118058	112277	114266	115602	114700	111767	112369	110052
Van Buren	64653	63399	60657	61105	58173	59352	58534	55996	56017	54896	54435
Wapello	397500	390162	375302	374722	373176	377383	374987	363550	357044	349308	370743
Warren	580748	558019	535249	521744	499099	490804	484152	476280	454392	441032	430326
Washington	222931	215200	205574	207317	200857	196975	196606	192185	182968	177502	177051
Wayne	47858	48336	46325	46366	46114	47986	48022	47937	48922	49759	47998
Webster	462434	448279	426806	419814	409114	405306	404561	400105	391006	391460	398357
Winnebago	140985	139828	131514	124611	120395	124285	133318	141821	130049	127821	127317
Winneshiek	233885	222013	211235	210878	201962	194870	190946	186761	181275	173896	169311
Woodbury	1485704	1400055	1320917	1293244	1209753	1223701	1229978	1213173	1186056	1132102	1122192
Worth	70370	68498	66691	65990	64262	67139	67615	70229	67338	65842	66755
Wright	136134	130732	121808	120068	118349	117803	124780	123882	120760	123353	129386

State of Iowa 37596370 36379058 34928123 34330128 33081013 32953176 32844882 32359700 31436734 30436906 30217722

Table 5. Percentage of Total Personal Income from Nonfarm Earnings in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	55.4	46.6	52.3	46.1	46.9	45.2	42.6	47.0	42.1	38.3	41.5
Adams	55.1	45.1	50.5	44.1	44.1	42.5	42.9	47.4	39.9	40.2	45.1
Allamakee	53.5	51.1	51.6	48.7	48.7	45.5	47.1	50.7	47.3	47.1	49.2
Appanoose	54.8	53.7	55.2	53.8	53.7	51.1	50.0	50.6	48.4	48.1	49.4
Audubon	45.6	42.5	46.2	40.7	40.0	39.0	37.6	42.4	36.1	38.6	38.9
Benton	62.2	60.1	60.9	58.2	59.0	57.1	56.7	59.8	53.6	52.1	54.5
Black Hawk	64.9	65.1	65.3	64.7	64.1	63.8	64.3	65.0	62.8	60.2	61.8
Boone	56.1	54.2	56.3	53.6	54.0	53.9	52.8	55.0	51.6	52.1	54.4
Bremer	61.6	60.8	61.7	59.3	59.7	58.0	58.7	60.2	55.9	54.1	56.2
Buchanan	58.5	55.9	57.8	53.7	53.5	52.5	53.3	56.6	49.7	50.5	51.2
Buena Vista	52.1	50.7	54.1	49.9	50.2	48.5	49.1	49.7	48.0	46.6	47.6
Butler	52.3	51.1	54.2	48.5	48.9	47.3	50.9	50.1	45.7	43.7	43.6
Calhoun	42.6	39.6	48.3	41.0	46.0	42.9	41.2	40.1	37.5	36.4	38.1
Carroll	52.1	50.7	52.6	47.5	47.5	46.5	46.5	47.7	45.7	47.6	48.6
Cass	51.2	48.0	50.4	46.1	46.0	46.0	46.0	49.4	45.0	45.9	47.3
Cedar	58.5	56.3	58.6	55.7	56.4	54.3	53.5	56.1	51.8	53.3	52.6
Cerro Gordo	61.0	60.3	61.2	59.2	59.4	57.8	60.2	60.3	57.7	56.8	58.1
Cherokee	50.5	45.1	51.0	46.9	46.5	45.4	44.6	44.8	44.3	45.5	48.3
Chickasaw	56.3	54.3	58.2	52.8	53.3	51.3	53.8	56.2	50.5	50.7	51.1
Clarke	61.0	56.1	58.1	55.9	56.7	55.7	57.1	56.5	51.7	51.6	51.8
Clay	58.3	55.6	62.1	55.6	56.6	54.5	54.1	54.8	52.5	50.2	51.8
Clayton	50.9	47.0	48.0	45.2	44.7	42.3	43.0	46.8	40.9	41.3	43.2
Clinton	62.2	61.6	62.5	61.2	61.4	59.8	60.0	61.5	58.8	58.8	59.1
Crawford	53.4	48.6	52.1	48.4	49.1	48.1	50.0	52.6	51.3	50.5	52.7
Dallas	68.4	67.4	68.0	66.4	66.3	65.7	64.2	67.8	64.2	62.7	64.4
Davis	56.6	52.1	52.7	50.5	52.5	51.1	54.4	55.2	49.6	48.4	51.7
Decatur	53.5	49.4	50.7	47.5	49.0	49.3	50.9	52.4	50.1	48.4	51.0
Delaware	57.0	52.3	53.9	49.7	49.7	46.7	48.3	49.8	42.5	43.3	45.4
Des Moines	63.8	63.8	63.5	63.2	63.6	62.6	63.3	63.5	63.1	60.7	59.7
Dickinson	56.0	54.1	57.1	53.2	51.8	50.9	48.9	48.5	46.5	45.3	46.5
Dubuque	64.5	64.1	62.8	62.1	61.4	60.4	61.3	62.5	61.4	59.2	60.9
Emmet	51.8	49.5	57.2	49.8	52.0	48.8	47.6	49.5	46.1	43.8	45.1
Fayette	51.4	49.5	51.6	47.1	46.6	45.1	46.2	50.1	44.7	45.8	47.3
Floyd	48.5	47.6	52.0	48.3	48.9	47.3	51.3	50.3	46.7	45.2	44.9
Franklin	50.5	47.8	54.1	43.9	47.1	43.6	43.1	43.7	38.6	37.5	40.2
Fremont	50.2	45.4	52.7	42.9	44.4	45.2	44.6	44.3	44.4	39.7	42.7
Greene	40.8	40.0	45.8	38.9	40.9	40.4	38.0	41.6	37.4	36.2	39.0
Grundy	52.8	53.1	56.0	49.7	51.5	50.3	51.4	49.8	45.5	44.4	47.0
Guthrie	54.4	50.6	54.5	49.4	50.1	49.0	46.9	49.6	44.3	44.9	45.2
Hamilton	54.6	53.5	59.0	52.3	54.5	53.7	50.7	57.6	49.6	48.2	49.4
Hancock	51.4	48.9	54.6	46.1	49.4	45.5	47.9	47.9	44.1	40.1	41.3
Hardin	50.1	49.3	52.3	47.4	48.2	47.8	47.1	49.3	45.3	44.6	46.1
Harrison	58.0	54.6	57.0	52.0	54.2	54.0	53.3	52.6	49.9	48.2	45.5
Henry	64.4	62.4	63.2	61.9	61.2	59.9	61.3	60.8	58.3	56.6	56.7
Howard	50.7	49.0	51.5	45.4	44.9	42.1	41.9	46.2	40.8	40.1	42.2
Humboldt	48.0	46.9	51.8	44.9	48.5	45.2	42.5	45.8	42.8	41.6	43.7
Ida	53.7	50.7	55.0	48.0	48.9	46.2	44.7	45.6	42.2	41.3	41.6
Iowa	62.7	59.7	60.9	56.8	58.3	55.8	56.0	57.6	51.3	52.5	51.0
Jackson	57.6	56.8	55.7	55.9	56.3	54.3	53.4	54.9	50.9	51.5	51.4
Jasper	62.1	61.6	62.4	59.7	60.7	60.4	60.9	61.8	58.2	57.2	57.4



Table 5. Percentage of Total Personal Income from Nonfarm Earnings in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	62.1	59.0	60.5	59.1	59.3	57.4	58.5	62.0	58.0	55.8	55.6
Johnson	73.1	72.9	72.6	73.2	73.5	72.7	73.1	74.3	72.7	71.6	72.1
Jones	58.5	56.6	57.4	55.3	55.7	52.4	51.6	55.1	49.5	49.4	48.8
Keokuk	47.8	42.7	45.6	42.6	42.7	41.3	40.9	44.2	38.2	40.8	41.5
Kossuth	48.7	44.3	52.9	46.1	49.7	44.8	44.0	42.9	40.5	38.9	42.0
Lee	61.0	60.1	60.2	59.6	59.1	60.3	60.7	60.8	59.7	58.7	59.0
Linn	70.9	70.8	70.6	70.0	69.6	69.4	69.4	70.5	69.4	68.1	68.3
Louisa	66.4	62.0	65.3	61.2	63.7	60.4	61.4	60.7	57.4	55.0	53.7
Lucas	53.6	54.8	57.4	55.9	56.7	55.1	55.5	55.0	53.6	53.0	55.4
Lyon	48.3	44.1	51.3	44.1	42.1	40.5	39.9	42.9	39.2	38.0	37.7
Madison	67.8	64.2	66.8	62.2	62.1	61.3	59.4	62.8	57.9	55.2	55.7
Mahaska	58.7	56.0	56.8	54.9	53.5	53.3	52.7	54.7	50.0	49.5	50.5
Marion	63.5	62.0	62.8	61.3	61.1	60.7	61.5	61.8	59.4	57.9	58.2
Marshall	61.6	62.1	61.9	60.4	61.1	60.2	59.4	61.7	58.7	58.2	59.7
Mills	58.4	54.2	56.7	52.0	52.5	52.5	53.1	51.8	50.5	50.9	54.3
Mitchell	48.9	46.7	51.4	45.2	45.0	43.0	42.7	44.9	40.4	39.8	41.8
Monona	53.1	46.4	49.9	42.8	47.4	43.3	42.3	42.0	40.8	38.8	40.1
Monroe	62.0	58.7	59.9	57.4	57.6	57.2	56.1	57.6	56.3	54.6	56.5
Montgomery	55.1	52.0	54.1	49.5	50.2	50.5	49.3	50.8	48.5	46.1	49.1
Muscatine	61.8	61.3	62.8	62.5	63.0	62.6	63.7	63.8	63.2	62.3	62.5
O'Brien	48.4	47.1	51.4	45.2	44.2	42.8	42.1	42.3	40.9	39.7	40.5
Osceola	44.2	41.4	51.0	42.7	40.9	40.2	38.5	38.8	38.2	38.2	40.7
Page	57.0	54.3	54.8	50.5	49.3	49.0	48.8	50.3	46.2	45.7	48.3
Palo Alto	46.0	41.5	51.0	41.0	45.2	39.4	41.5	41.4	39.3	37.7	37.5
Plymouth	57.1	54.8	54.7	51.3	50.8	49.4	49.0	50.9	47.6	46.4	45.7
Pocahontas	44.2	40.2	49.7	41.0	45.7	44.4	41.2	41.5	39.2	35.0	33.9
Polk	72.1	72.2	72.2	72.0	71.1	71.1	71.2	71.5	70.8	69.7	69.9
Pottawattamie	66.4	65.1	65.8	64.1	65.0	65.7	66.8	66.9	65.7	64.6	64.2
Poweshiek	61.1	59.1	61.3	58.5	59.4	58.3	58.0	60.6	55.9	54.9	57.3
Ringgold	52.5	43.4	48.5	43.3	43.3	43.1	41.1	43.6	37.8	39.4	43.6
Sac	42.7	39.6	42.6	38.0	39.5	37.1	36.5	36.3	35.0	33.6	37.6
Scott	67.3	67.5	66.5	67.9	67.8	67.4	68.0	68.4	68.4	67.2	68.0
Shelby	49.7	45.6	49.8	45.5	45.7	44.1	43.2	45.8	41.7	43.6	42.2
Sioux	55.9	54.7	56.0	50.3	50.0	48.9	47.7	49.0	44.8	45.0	44.9
Story	68.8	69.0	69.9	68.2	68.6	69.0	68.3	68.7	66.2	65.4	66.0
Tama	56.8	54.9	56.7	51.8	52.9	51.4	52.3	52.6	48.5	47.6	49.0
Taylor	49.4	42.6	47.0	41.2	41.7	41.2	39.5	42.5	36.0	35.5	36.6
Union	57.6	54.7	57.1	55.1	53.3	52.9	53.7	54.2	51.4	51.2	50.9
Van Buren	56.4	51.4	53.5	50.2	49.9	50.0	50.5	50.8	47.5	47.1	48.2
Wapello	61.0	60.5	60.8	59.4	59.6	60.2	60.0	60.1	58.3	56.6	59.5
Warren	74.1	72.8	74.3	72.9	73.1	72.8	72.7	73.2	71.1	70.8	70.6
Washington	55.6	53.0	53.9	52.3	51.7	50.0	51.8	54.0	47.5	46.6	45.8
Wayne	48.5	43.7	47.2	45.0	44.7	44.8	43.3	45.1	40.1	39.8	40.4
Webster	55.6	55.6	57.6	54.4	54.9	55.6	53.8	55.7	53.2	51.7	54.5
Winnebago	58.1	55.9	59.6	53.1	54.7	51.4	53.5	54.3	50.6	49.7	51.2
Winneshiek	60.1	56.9	57.9	55.7	55.7	52.1	52.1	55.3	50.1	49.9	51.6
Woodbury	67.9	67.0	65.6	63.8	64.1	65.0	64.9	64.5	63.0	62.0	62.2
Worth	47.0	45.5	52.8	45.9	46.8	43.8	45.8	47.8	43.7	42.5	43.5
Wright	47.7	47.1	51.0	44.4	48.2	45.0	43.0	45.2	42.8	42.1	44.7
State of Iowa	63.3	62.0	63.3	61.0	61.1	60.3	60.3	61.3	58.7	57.5	58.3

Table 6. Farm Earnings (in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	-5744	18511	522	16302	10886	12198	18356	7422	15544	18113	9473
Adams	-2650	12493	3515	11868	9475	10857	11326	4071	11999	10169	4404
Allamakee	7394	20592	13261	22442	18406	27119	24206	11993	21366	13713	7349
Appanoose	-8829	260	-4663	-166	-2208	1481	3758	1018	4581	1992	-3020
Audubon	9860	19796	7618	21276	19000	17753	21468	12179	23183	13425	14682
Benton	21091	32009	17468	30160	17281	27142	30685	8392	32403	31112	14036
Black Hawk	21598	30984	7813	31012	17694	25974	16167	8646	29711	25929	22058
Boone	24269	30190	3409	27814	14931	14453	26417	9216	27872	23366	14767
Bremer	15492	24153	6767	24532	14602	20585	11442	2967	15085	12069	12282
Buchanan	8623	26384	5469	28663	21774	28744	22788	8560	31762	16548	16040
Buena Vista	34223	44370	14843	38442	28974	33860	35606	31825	33463	34166	30575
Butler	23488	30826	11031	34266	26251	29968	14263	15203	27803	22984	26792
Calhoun	19268	35795	-3362	28062	9092	15981	27305	28107	29975	28411	23561
Carroll	35283	47944	26944	53253	42440	44903	46814	43214	49547	33684	31419
Cass	-851	19342	-329	21610	13241	15578	21270	9669	19009	12570	11370
Cedar	6661	23470	6382	20098	13732	26482	28506	14055	26735	14210	14370
Cerro Gordo	20223	31679	-1687	25051	15612	30347	12923	22460	30741	26706	18582
Cherokee	17474	48210	16498	31513	31117	32014	33907	33742	31444	24660	18753
Chickasaw	15353	23891	4911	23579	17706	21359	14515	7028	23201	14106	13555
Clarke	-7897	4853	-2106	3547	1598	4384	4684	1916	7212	3806	2031
Clay	20406	37498	-2374	25361	16083	26369	28158	24130	27186	26106	19063
Clayton	17030	34584	23851	42414	36923	51030	44511	23037	45461	35691	26225
Clinton	15974	34543	11937	31458	16319	31876	34733	16448	31234	14721	14164
Crawford	3099	24305	461	21728	15852	22169	23460	21131	23120	17778	8820
Dallas	18710	26711	9373	22673	15369	17125	26711	6539	18889	13435	3820
Davis	-5283	5702	958	7180	3413	6918	3429	1440	6864	6209	3364
Decatur	-1515	9483	4029	8661	6017	5817	6959	928	6266	5608	2428
Delaware	12833	40189	24795	44593	41786	57798	45057	29511	57012	42898	32089
Des Moines	7504	17367	9985	13617	7557	15110	10584	12794	12768	15152	21764
Dickinson	8646	18236	-4630	12437	10040	14648	19710	16751	19562	15770	10281
Dubuque	17049	41568	33971	49025	41302	55676	46467	25402	44627	35382	24573
Emmet	14945	26722	-4987	18006	8139	17030	19505	15517	18522	17819	16501
Fayette	25338	40518	16302	41573	36785	45955	39153	18320	41228	23451	20601
Floyd	21495	27963	7061	26375	20104	29694	9606	17309	28808	23313	20393
Franklin	17456	28760	-2628	28986	11981	24887	27399	25572	36399	37421	24889
Fremont	3524	19483	-2157	20548	12672	10922	12976	17557	14790	24788	17995
Greene	29751	34569	8068	34368	18072	17666	28751	16688	27314	24141	14876
Grundy	33121	33701	15239	35729	23539	24162	16847	19523	30821	26000	18973
Guthrie	7558	20453	3979	19374	14236	15889	22120	11824	21347	13057	12362
Hamilton	28052	38229	1598	30657	19884	20134	39584	7435	30526	30133	23904
Hancock	12792	25526	-4110	23820	7308	22927	18947	21011	24750	32603	31213
Hardin	32117	40655	11501	38395	23546	28138	22642	10290	32638	30914	25742
Harrison	1573	19984	3888	21962	6243	8242	6831	9446	16004	18262	25782
Henry	7396	21199	9225	15407	10413	15678	7491	7492	11972	10689	7409
Howard	13704	20882	2482	15166	13638	19759	19361	6558	20724	17838	10417
Humboldt	22589	25028	-215	23566	6034	16309	28167	17243	20953	19182	13784
Ida	9295	19344	6287	21272	13832	18833	21577	18588	20460	17702	17152
Iowa	6043	26392	8534	23454	14623	20186	20576	6549	25010	11031	17854
Jackson	-425	11711	1947	7568	1760	16250	16270	8540	21893	7472	7576
Jasper	22021	35414	14958	34196	23808	30312	29334	16690	37191	32721	30302

Table 6. Farm Earnings (in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	695	17668	5531	13623	9918	13963	11962	5177	13160	14888	11225
Johnson	3483	24648	7777	20500	15971	25655	23964	7157	23037	19707	16184
Jones	7588	22183	10834	20250	13310	21002	22005	5340	23282	13162	14203
Keokuk	6139	27968	11858	21674	18857	22575	24770	11399	31883	17894	15800
Kossuth	26257	57898	721	43908	11727	38747	49328	50973	56604	60095	40314
Lee	2367	17688	4805	16602	8849	11738	6503	7829	13078	15114	18715
Linn	3557	24008	4832	20149	8187	19154	24220	-62	15562	11114	2423
Louisa	4121	18532	4220	14257	5232	14536	10678	8519	13162	13710	12636
Lucas	-5819	2273	-1666	2951	952	2901	2799	1789	4767	2028	-2108
Lyon	24847	44851	13370	34561	33822	35996	38463	26472	37628	33962	33444
Madison	-2708	11173	-2480	9025	5864	7693	12799	1150	9973	9609	5927
Mahaska	10657	30614	13288	26683	23355	28068	29235	16613	35058	30367	24825
Marion	601	17942	3474	12853	10452	14091	13796	11906	20574	15626	12871
Marshall	25365	28874	11708	30541	22608	25270	28476	11911	33239	22221	17228
Mills	-3365	11065	-5881	11628	8179	8268	8524	11059	15880	18822	13800
Mitchell	22969	31769	7233	27464	24825	33297	28671	17067	31253	24693	17244
Monona	-3260	19896	1540	22295	3064	11764	16817	15055	16256	20036	16454
Monroe	-6581	2778	-2717	1472	-341	1606	2589	-1213	2577	-297	-3738
Montgomery	1437	17670	4841	19647	14503	13433	16001	9546	12627	14223	7482
Muscatine	5249	20348	2342	14183	4691	12480	14580	6030	10653	10119	13276
O'Brien	31039	40301	11229	38920	39587	43299	46824	49070	45906	40361	36472
Osceola	20692	28253	2762	18850	21655	20163	20457	19557	18460	15631	9260
Page	-471	17081	4960	23725	18886	19578	21027	11337	22065	25467	15818
Palo Alto	19095	32692	-3073	31553	8634	28495	25577	24769	30316	26233	26625
Plymouth	33234	53718	39321	57312	51842	51889	50422	30337	52622	40139	42323
Pocahontas	18662	34066	483	28672	10378	14636	26991	21913	22058	33085	35545
Polk	16334	21536	3630	18045	8038	11673	18554	6627	17091	12573	4918
Pottawattamie	8649	38897	9601	43796	32253	27334	17346	15143	30254	28892	35209
Poweshiek	8477	23016	7309	20632	14515	19854	20248	9085	24025	17949	6446
Ringgold	-7135	9078	-1684	6923	4676	5662	10822	4255	10898	8440	1193
Sac	20859	37974	16124	36675	22435	29463	31683	32218	34963	36720	20828
Scott	18027	27803	16642	25181	17794	24214	25705	11569	20165	9033	14017
Shelby	11068	29107	8641	28725	24642	26670	26485	17644	28261	17731	26930
Sioux	49099	62121	39071	78182	67636	81771	82798	59310	78924	66968	73897
Story	27779	33861	5454	31004	18473	20605	31763	11277	31716	29463	22555
Tama	15142	27345	7264	23843	15216	22741	18146	15323	27744	20358	15677
Taylor	-659	13483	1676	11112	7401	6484	9101	3639	13760	12487	9439
Union	-4480	9588	-302	7011	6230	6339	6342	2319	7245	3136	3063
Van Buren	-2864	9457	2370	9075	5960	7868	5497	3069	8313	5508	4365
Wapello	864	14051	3026	11104	6466	7405	7957	3040	6700	6549	0
Warren	-3746	13142	-3615	9933	2738	6964	8075	4416	11988	7197	10025
Washington	19314	39952	25225	35020	34892	40007	29089	17333	36848	31844	37891
Wayne	-1988	11719	-857	3959	2307	3323	5893	2695	10663	8229	5151
Webster	45402	48836	4994	38408	21484	21275	43890	16704	28059	31558	14154
Winnebago	13540	25329	-3415	17822	5942	20273	16701	19764	22901	17963	12497
Winneshiek	13345	32197	17323	32469	27127	40727	35904	16406	34103	26832	18875
Woodbury	-517	18955	2320	27375	9747	20192	27971	14249	33155	12601	12868
Worth	21994	26074	2847	18132	12392	21518	17938	14278	19173	16225	14513
Wright	28611	32075	-1912	28395	7989	22351	34181	25147	24424	27196	17394
State of Iowa	1220092	2594024	656676	2399012	1610242	2183701	2232889	1438156	2440028	2032487	1663559

Table 7. Adjusted Farm Earnings (1995 dollars in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	-5744	19036	550	17673	12144	14156	22422	9503	20699	24985	13268
Adams	-2650	12847	3706	12866	10570	12600	13835	5213	15978	14027	6168
Allamakee	7394	21176	13982	24329	20532	31472	29568	15356	28452	18916	10293
Appanoose	-8829	267	-4916	-180	-2463	1719	4590	1303	6100	2748	-4230
Audubon	9860	20357	8032	23065	21195	20603	26224	15594	30871	18519	20564
Benton	21091	32917	18418	32696	19277	31499	37482	10745	43149	42916	19659
Black Hawk	21598	31863	8238	33620	19738	30143	19748	11071	39564	35767	30895
Boone	24269	31046	3594	30153	16656	16773	32269	11800	37116	32231	20683
Bremer	15492	24838	7135	26595	16289	23889	13977	3799	20088	16648	17203
Buchanan	8623	27132	5766	31073	24290	33358	27836	10960	42296	22826	22466
Buena Vista	34223	45628	15650	41674	32321	39295	43494	40750	44561	47129	42824
Butler	23488	31700	11631	37147	29284	34778	17423	19466	37024	31704	37526
Calhoun	19268	36810	-3545	30422	10142	18546	33354	35989	39916	39190	33000
Carroll	35283	49303	28409	57731	47343	52110	57184	55332	65979	46464	44006
Cass	-851	19890	-347	23427	14771	18078	25982	12380	25313	17339	15925
Cedar	6661	24135	6729	21788	15318	30733	34821	17996	35601	19601	20127
Cerro Gordo	20223	32577	-1779	27157	17416	35218	15786	28758	40936	36838	26026
Cherokee	17474	49577	17395	34163	34712	37153	41418	43204	41872	34016	26266
Chickasaw	15353	24568	5178	25562	19752	24787	17730	8999	30895	19458	18986
Clarke	-7897	4991	-2220	3845	1783	5088	5722	2453	9604	5250	2845
Clay	20406	38561	-2503	27493	17941	30601	34396	30897	36202	36011	26700
Clayton	17030	35565	25148	45980	41189	59221	54371	29497	60538	49232	36731
Clinton	15974	35522	12586	34103	18204	36992	42427	21060	41592	20306	19838
Crawford	3099	24994	486	23555	17683	25727	28657	27057	30788	24523	12354
Dallas	18710	27468	9883	24579	17145	19874	32628	8373	25153	18532	5350
Davis	-5283	5864	1010	7784	3807	8028	4189	1844	9140	8565	4712
Decatur	-1515	9752	4248	9389	6712	6751	8501	1188	8344	7736	3401
Delaware	12833	41329	26143	48342	46613	67075	55038	37787	75920	59174	44945
Des Moines	7504	17859	10528	14762	8430	17535	12929	16382	17002	20901	30483
Dickinson	8646	18753	-4882	13483	11200	16999	24076	21448	26050	21753	14400
Dubuque	17049	42747	35818	53147	46074	64613	56760	32525	59427	48806	34418
Emmet	14945	27480	-5258	19520	9079	19763	23826	19868	24665	24580	23112
Fayette	25338	41667	17188	45069	41035	53331	47826	23457	54901	32348	28854
Floyd	21495	28756	7445	28593	22427	34460	11734	22163	38362	32158	28563
Franklin	17456	29575	-2771	31423	13365	28882	33468	32743	48470	51619	34860
Fremont	3524	20035	-2274	22276	14136	12675	15850	22480	19695	34193	25204
Greene	29751	35549	8507	37258	20160	20502	35120	21368	36372	33300	20836
Grundy	33121	34657	16067	38733	26258	28040	20579	24998	41043	35865	26574
Guthrie	7558	21033	4195	21003	15881	18439	27020	15140	28427	18011	17315
Hamilton	28052	39313	1685	33235	22181	23366	48353	9520	40650	41566	33481
Hancock	12792	26250	-4333	25823	8152	26607	23144	26903	32958	44973	43718
Hardin	32117	41808	12126	41623	26266	32654	27658	13176	43462	42643	36055
Harrison	1573	20551	4099	23809	6964	9565	8344	12095	21312	25191	36111
Henry	7396	21800	9726	16702	11616	18194	9150	9593	15942	14744	10377
Howard	13704	21474	2617	16441	15214	22931	23650	8397	27597	24606	14590
Humboldt	22589	25738	-227	25547	6731	18927	34407	22078	27902	26460	19306
Ida	9295	19892	6629	23061	15430	21856	26357	23801	27245	24418	24024
Iowa	6043	27140	8998	25426	16312	23426	25134	8386	33304	15216	25007
Jackson	-425	12043	2053	8204	1963	18858	19874	10935	29154	10307	10611
Jasper	22021	36418	15771	37071	26559	35177	35832	21370	49525	45136	42442

Table 7. Adjusted Farm Earnings (1995 dollars in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	695	18169	5832	14768	11064	16204	14612	6629	17524	20537	15722
Johnson	3483	25347	8200	22224	17816	29773	29273	9164	30677	27184	22668
Jones	7588	22812	11423	21953	14848	24373	26880	6837	31003	18156	19893
Keokuk	6139	28761	12503	23496	21036	26199	30257	14596	42457	24683	22130
Kossuth	26257	59540	760	47600	13082	44966	60255	65267	75376	82895	56465
Lee	2367	18190	5066	17998	9871	13622	7944	10024	17415	20848	26213
Linn	3557	24689	5095	21843	9133	22228	29585	-79	20723	15331	3394
Louisa	4121	19057	4449	15456	5836	16869	13043	10908	17527	18912	17698
Lucas	-5819	2337	-1757	3199	1062	3367	3419	2291	6348	2797	-2953
Lyon	24847	46123	14097	37467	37729	41774	46983	33895	50107	46847	46843
Madison	-2708	11490	-2615	9784	6541	8928	15634	1472	13280	13255	8302
Mahaska	10657	31482	14010	28927	26053	32573	35711	21272	46685	41888	34771
Marion	601	18451	3663	13934	11660	16353	16852	15245	27397	21555	18027
Marshall	25365	29693	12344	33109	25220	29326	34784	15251	44262	30652	24130
Mills	-3365	11379	-6201	12606	9124	9595	10412	14160	21146	25963	19329
Mitchell	22969	32670	7626	29773	27693	38641	35022	21853	41618	34062	24152
Monona	-3260	20460	1624	24170	3418	13652	20542	19277	21647	27638	23046
Monroe	-6581	2857	-2865	1596	-380	1864	3163	-1553	3432	-410	-5236
Montgomery	1437	18171	5104	21299	16179	15589	19546	12223	16815	19619	10479
Muscatine	5249	20925	2469	15376	5233	14483	17810	7721	14186	13958	18595
O'Brien	31039	41444	11839	42192	44160	50249	57197	62830	61130	55674	51084
Osceola	20692	29054	2912	20435	24157	23399	24989	25041	24582	21562	12970
Page	-471	17565	5230	25720	21068	22720	25685	14516	29383	35129	22155
Palo Alto	19095	33619	-3240	34206	9631	33069	31243	31715	40370	36186	37292
Plymouth	33234	55241	41459	62131	57831	60218	61592	38844	70074	55368	59279
Pocahontas	18662	35032	509	31083	11577	16985	32970	28058	29373	45638	49785
Polk	16334	22147	3827	19562	8967	13547	22664	8485	22759	17343	6888
Pottawattamie	8649	40000	10123	47478	35979	31721	21189	19389	40287	39854	49315
Poweshiek	8477	23669	7706	22367	16192	23041	24733	11633	31993	24759	9028
Ringgold	-7135	9335	-1776	7505	5216	6571	13219	5448	14512	11642	1671
Sac	20859	39051	17001	39759	25027	34192	38701	41253	46558	50652	29172
Scott	18027	28591	17547	27298	19850	28101	31399	14813	26853	12460	19633
Shelby	11068	29932	9111	31140	27489	30951	32352	22592	37634	24458	37719
Sioux	49099	63882	41195	84756	75450	94896	101140	75942	105098	92376	103502
Story	27779	34821	5750	33611	20607	23912	38799	14439	42234	40641	31591
Tama	15142	28120	7659	25848	16974	26391	22166	19620	36945	28082	21958
Taylor	-659	13865	1767	12046	8256	7525	11117	4659	18323	17225	13221
Union	-4480	9860	-318	7601	6950	7356	7747	2969	9648	4326	4290
Van Buren	-2864	9725	2499	9838	6649	9131	6715	3930	11070	7598	6114
Wapello	864	14449	3190	12038	7213	8594	9720	3892	8922	9034	0
Warren	-3746	13515	-3812	10768	3054	8082	9864	5654	15964	9928	14041
Washington	19314	41085	26596	37965	38923	46429	35533	22194	49068	43926	53071
Wayne	-1988	12051	-904	4292	2574	3856	7198	3451	14199	11351	7215
Webster	45402	50221	5265	41637	23966	24690	53613	21388	37365	43531	19824
Winnebago	13540	26047	-3601	19321	6628	23527	20401	25306	30496	24778	17504
Winneshiek	13345	33110	18265	35199	30261	47264	43858	21007	45413	37012	26437
Woodbury	-517	19492	2446	29677	10873	23433	34167	18245	44151	17382	18023
Worth	21994	26813	3002	19657	13824	24972	21912	18282	25532	22381	20327
Wright	28611	32984	-2016	30783	8912	25939	41753	32199	32524	37514	24363
State of Iowa	1220092	2667575	692373	2600727	1796271	2534207	2727524	1841451	3249243	2803625	2330027

Table 8. Percentage of Total Personal Income from Farm Earnings in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	-4.2	12.4	0.4	11.7	8.6	9.5	14.7	6.8	13.9	16.2	9.4
Adams	-3.9	15.9	5.2	16.1	13.6	15.8	16.7	6.8	18.0	15.8	7.6
Allamakee	3.3	9.1	6.2	10.4	9.3	13.5	12.7	7.0	12.1	8.3	4.7
Appanoose	-4.3	0.1	-2.4	-0.1	-1.2	0.9	2.3	0.7	2.9	1.3	-2.1
Audubon	8.0	15.8	6.9	17.4	16.2	16.0	19.3	12.4	22.1	14.1	15.5
Benton	4.6	7.4	4.4	7.8	4.8	7.7	9.1	2.8	10.4	10.3	5.1
Black Hawk	0.9	1.3	0.3	1.4	0.9	1.3	0.9	0.5	1.8	1.6	1.4
Boone	4.5	5.7	0.7	5.8	3.3	3.4	6.3	2.4	7.3	6.5	4.4
Bremer	3.3	5.4	1.6	6.0	3.9	5.6	3.4	1.0	5.0	4.2	4.2
Buchanan	2.3	7.2	1.7	8.5	6.8	9.3	7.8	3.3	11.8	6.9	6.7
Buena Vista	8.8	11.8	4.4	11.0	8.8	10.6	11.4	11.0	11.9	12.2	11.4
Butler	8.1	11.1	4.4	12.8	10.7	12.4	6.6	7.5	13.1	11.3	13.0
Calhoun	8.8	16.2	-1.9	14.1	5.4	9.4	15.6	16.9	18.3	17.6	14.9
Carroll	7.8	11.0	6.8	12.9	11.3	12.5	13.5	13.0	15.1	10.9	10.5
Cass	-0.3	7.0	-0.1	8.4	5.6	6.6	9.1	4.6	8.9	6.0	5.5
Cedar	1.9	6.8	2.0	6.4	4.6	8.9	10.1	5.5	10.4	6.0	6.0
Cerro Gordo	2.1	3.4	-0.2	2.9	1.9	3.8	1.8	3.2	4.4	4.0	2.9
Cherokee	6.9	18.0	7.1	13.1	13.3	14.0	15.7	16.1	15.6	12.7	10.1
Chickasaw	6.3	10.2	2.4	10.8	8.8	10.8	7.7	4.0	12.2	8.0	7.8
Clarke	-6.8	4.0	-1.9	3.0	1.4	3.9	4.3	1.9	7.2	4.0	2.3
Clay	5.6	10.5	-0.8	8.1	5.6	9.0	9.9	9.0	10.6	10.6	8.2
Clayton	5.2	11.0	8.1	14.0	13.1	17.8	16.6	9.7	18.2	15.1	11.9
Clinton	1.6	3.6	1.3	3.5	1.9	3.9	4.4	2.3	4.4	2.2	2.1
Crawford	1.0	7.9	0.2	7.7	6.2	8.9	10.0	9.4	10.2	8.1	4.3
Dallas	2.5	3.8	1.5	3.7	2.7	3.2	5.2	1.4	4.2	3.2	1.0
Davis	-4.0	4.3	0.8	5.7	3.0	6.1	3.4	1.6	7.3	6.8	3.9
Decatur	-1.4	8.4	3.9	8.2	6.0	5.9	7.1	1.1	6.9	6.3	2.9
Delaware	4.2	12.8	8.7	15.2	14.8	19.9	17.1	12.8	22.9	18.7	15.1
Des Moines	0.8	2.0	1.2	1.7	1.0	2.1	1.5	2.0	2.0	2.5	3.7
Dickinson	2.4	5.3	-1.5	4.1	3.6	5.3	7.5	7.0	8.6	7.4	5.1
Dubuque	0.9	2.3	2.0	3.0	2.8	3.8	3.4	2.0	3.6	3.1	2.2
Emmet	7.1	12.8	-2.8	9.3	4.6	9.7	11.7	10.0	11.9	11.7	10.9
Fayette	6.9	11.2	5.2	12.6	11.7	14.6	13.2	7.0	14.7	8.9	7.9
Floyd	6.8	9.1	2.5	9.0	7.3	10.7	3.9	7.3	11.9	10.1	9.1
Franklin	8.4	13.9	-1.6	14.8	7.1	14.0	16.0	15.9	21.4	21.9	15.9
Fremont	2.6	13.8	-1.9	15.6	10.6	9.5	11.2	15.0	13.0	20.4	15.4
Greene	14.4	17.3	4.9	18.3	11.1	11.4	17.8	11.6	17.5	15.8	10.5
Grundy	12.5	13.4	6.8	14.6	10.8	11.5	8.8	10.6	16.0	14.2	10.6
Guthrie	3.7	10.3	2.2	10.3	8.0	9.2	13.2	8.0	13.9	9.1	8.9
Hamilton	8.2	11.5	0.6	10.3	7.0	7.4	14.1	3.2	12.2	12.2	10.1
Hancock	5.9	11.8	-2.3	12.0	4.1	11.9	10.5	12.1	14.4	18.3	17.8
Hardin	8.3	11.0	3.5	11.2	7.4	8.9	7.8	3.8	11.3	10.8	9.3
Harrison	0.6	7.9	1.7	9.4	3.0	4.1	3.6	5.1	8.7	9.9	13.8
Henry	2.0	5.7	2.7	4.6	3.3	5.1	2.7	2.8	4.7	4.3	3.2
Howard	7.6	11.8	1.7	9.7	9.3	13.5	14.1	5.5	15.6	13.7	8.7
Humboldt	10.3	11.8	-0.1	12.2	3.6	9.5	15.9	11.1	13.5	12.7	9.7
Ida	6.4	13.1	4.9	15.2	10.8	14.5	17.1	15.4	17.3	15.7	15.4
Iowa	1.9	8.3	2.9	7.9	5.6	8.1	8.8	3.1	11.4	5.5	8.9
Jackson	-0.1	3.5	0.6	2.5	0.6	5.7	6.0	3.3	8.3	3.1	3.2
Jasper	2.9	4.9	2.3	5.2	3.8	5.0	5.1	3.1	6.9	6.5	6.2

Table 8. Percentage of Total Personal Income from Farm Earnings in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	0.2	5.7	2.0	5.0	3.9	5.5	5.0	2.4	6.0	7.1	5.9
Johnson	0.2	1.1	0.4	1.1	0.9	1.5	1.5	0.5	1.7	1.6	1.4
Jones	2.4	7.1	3.8	7.0	4.9	7.7	8.4	2.3	9.9	6.0	6.6
Keokuk	3.2	14.1	6.7	11.6	10.6	12.8	14.3	7.5	18.3	11.1	10.2
Kossuth	8.1	17.1	0.3	14.3	4.4	13.3	16.9	18.5	20.5	21.5	15.7
Lee	0.3	2.5	0.7	2.5	1.4	1.9	1.1	1.4	2.5	2.8	3.6
Linn	0.1	0.6	0.1	0.6	0.2	0.6	0.8	-0.0	0.6	0.4	0.1
Louisa	2.0	9.1	2.3	7.6	3.0	8.1	6.3	5.5	8.4	9.2	8.9
Lucas	-4.1	1.5	-1.2	2.0	0.7	2.2	2.1	1.4	3.9	1.7	-1.9
Lyon	12.4	21.6	7.8	18.5	18.9	20.5	22.2	17.4	24.0	22.5	22.3
Madison	-1.1	4.6	-1.2	4.2	2.9	4.0	6.9	0.7	6.0	6.0	3.9
Mahaska	2.7	7.8	3.7	7.5	6.9	8.4	9.3	5.7	11.7	10.6	9.2
Marion	0.1	2.9	0.6	2.4	2.1	2.8	2.9	2.7	4.7	3.8	3.3
Marshall	3.0	3.7	1.6	4.2	3.2	3.7	4.4	2.0	5.7	4.0	3.1
Mills	-1.2	3.9	-2.3	4.4	3.3	3.4	3.8	5.0	7.5	9.5	7.5
Mitchell	9.9	14.1	3.8	13.3	13.0	17.0	15.8	10.6	17.8	14.8	11.2
Monona	-2.0	11.3	1.0	13.5	2.2	8.3	11.8	11.5	12.7	15.2	12.9
Monroe	-4.6	1.9	-2.1	1.1	-0.3	1.3	2.3	-1.2	2.4	-0.3	-3.9
Montgomery	0.6	7.6	2.3	9.1	7.0	6.8	8.3	5.5	7.5	8.5	4.7
Muscatine	0.6	2.3	0.3	1.8	0.6	1.7	2.2	1.0	1.8	1.7	2.3
O'Brien	10.3	13.7	4.5	14.3	15.2	16.8	19.0	20.3	19.8	17.9	16.9
Osceola	15.7	21.4	2.7	16.1	18.7	18.2	19.4	19.6	19.2	16.8	10.6
Page	-0.1	5.4	1.7	8.0	6.8	7.2	8.1	4.9	9.5	10.7	7.2
Palo Alto	10.2	17.2	-2.0	17.8	5.8	17.3	16.3	16.5	19.7	17.5	17.8
Plymouth	7.0	11.5	8.9	13.1	12.6	13.3	13.8	9.5	15.6	13.0	14.0
Pocahontas	11.1	19.5	0.4	17.5	7.3	10.2	18.0	15.9	16.0	22.4	24.2
Polk	0.2	0.3	0.0	0.2	0.1	0.2	0.3	0.1	0.3	0.2	0.1
Pottawattamie	0.5	2.5	0.7	3.1	2.4	2.2	1.4	1.3	2.6	2.6	3.3
Poweshiek	2.2	6.1	2.2	6.0	4.5	6.2	6.7	3.3	8.6	6.9	2.7
Ringgold	-9.7	10.7	-2.3	8.9	6.5	8.0	15.0	6.8	16.0	12.8	2.1
Sac	9.8	17.5	8.5	17.9	12.0	15.7	17.3	18.6	20.4	20.8	13.0
Scott	0.5	0.9	0.5	0.8	0.6	0.9	1.0	0.5	0.9	0.4	0.6
Shelby	4.6	12.2	4.1	12.8	11.5	12.7	13.4	9.7	15.3	10.2	14.9
Sioux	8.5	11.2	7.8	15.3	14.2	17.7	19.0	15.0	20.0	17.8	19.4
Story	1.8	2.3	0.4	2.3	1.5	1.8	2.8	1.1	3.2	3.1	2.5
Tama	4.4	8.3	2.5	8.2	5.5	8.2	6.9	6.1	10.9	8.4	6.7
Taylor	-0.7	13.3	1.9	11.5	8.1	7.5	10.8	4.7	15.8	14.3	11.3
Union	-2.1	4.5	-0.2	3.5	3.3	3.4	3.6	1.4	4.4	2.0	2.0
Van Buren	-2.5	7.9	2.2	8.1	5.7	7.7	5.8	3.6	9.4	6.5	5.4
Wapello	0.1	2.2	0.5	1.9	1.2	1.4	1.6	0.6	1.5	1.5	0.0
Warren	-0.5	1.8	-0.5	1.5	0.4	1.2	1.5	0.9	2.5	1.6	2.3
Washington	4.8	10.1	7.0	9.6	10.0	11.8	9.4	6.2	12.7	11.5	13.7
Wayne	-2.0	10.9	-0.9	4.2	2.5	3.6	6.5	3.2	11.6	9.1	6.1
Webster	5.5	6.2	0.7	5.4	3.2	3.4	7.1	3.0	5.1	5.7	2.7
Winnebago	5.6	10.4	-1.6	8.2	3.0	9.7	8.2	9.7	11.9	9.6	7.0
Winneshiek	3.4	8.5	5.0	9.3	8.3	12.6	12.0	6.2	12.6	10.6	8.1
Woodbury	-0.0	0.9	0.1	1.5	0.6	1.2	1.8	1.0	2.3	1.0	1.0
Worth	14.7	17.8	2.4	13.7	10.1	16.3	14.9	12.4	16.6	14.5	13.2
Wright	10.0	11.9	-0.8	11.4	3.6	9.9	14.4	11.8	11.5	12.8	8.4
State of Iowa	2.1	4.5	1.3	4.6	3.3	4.6	5.0	3.5	6.1	5.3	4.5

Table 9. Dividends, Interest, and Rent (in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	37560	34003	33921	34522	34088	37553	34147	32090	31188	33125	32105
Adams	14837	13440	14071	14246	15156	15284	14716	14587	15616	16316	15860
Allamakee	51513	46743	47742	47789	46524	47628	43847	41771	42791	45742	44228
Appanoose	43791	39791	36527	37243	38171	38541	36956	35267	35815	36732	35569
Audubon	31160	28320	27440	28467	30061	30125	29142	27489	27567	28928	27854
Benton	81202	73844	74284	69287	72364	71706	68118	67830	67924	70292	70575
Black Hawk	426568	389279	379933	368805	373086	377178	358508	322645	318996	331519	326182
Boone	93241	84890	84997	82922	83401	84120	79859	73014	73807	74769	72299
Bremer	92703	84395	84457	83021	80536	82636	78989	73094	74252	77516	74505
Buchanan	79796	72826	73282	69971	72774	70599	66670	60925	59600	60771	60209
Buena Vista	80814	73677	75683	74524	77540	78241	74072	65918	67946	71734	69454
Butler	55388	50469	50686	53258	53413	55235	52706	50080	52320	56458	56811
Calhoun	60197	54644	54127	50556	45794	46313	44162	41565	43706	45915	46451
Carroll	106800	97237	95188	99306	95808	93649	88268	83780	84173	84547	81442
Cass	72848	66206	70184	65285	68341	68003	65117	59470	62293	65529	63271
Cedar	87188	79466	76328	74635	73821	71829	67327	64885	65259	65803	68701
Cerro Gordo	183574	167665	168019	166450	170866	172836	159645	146237	155659	154059	149544
Cherokee	55789	50921	50838	52360	53303	54787	50048	47981	48051	49150	48072
Chickasaw	47949	43624	42386	43124	42976	44281	43418	41927	43617	45919	44689
Clarke	22214	20142	20227	21760	22696	23940	21991	21965	22837	23941	23319
Clay	71130	64837	63115	63389	62280	64029	61642	59199	57638	60320	59035
Clayton	80299	72788	71267	67242	65423	65807	63665	60543	62217	64365	61257
Clinton	169568	154381	153823	155316	154356	155940	146874	140627	143840	149095	146403
Crawford	80137	77340	77059	72896	67927	64361	54085	49827	52877	56582	56092
Dallas	120450	109541	106094	98827	96602	96159	89491	80589	81316	83766	80471
Davis	33345	30144	31965	29471	27123	26368	21539	20265	21374	22280	20799
Decatur	19574	17744	17550	18349	19370	20236	19533	18285	18546	19890	19277
Delaware	69840	63436	61658	60207	60262	60609	57239	54731	56054	57425	54704
Des Moines	156763	142864	141336	136211	135346	137222	130047	120569	121134	124995	120535
Dickinson	91307	83228	80545	79352	77196	78143	74807	68406	66072	65995	63978
Dubuque	372001	338365	337793	328019	318951	318950	293925	276956	267360	267877	251699
Emmet	38710	35257	39108	39004	39094	39248	35608	33819	37293	40149	39721
Fayette	76347	69419	67942	67926	69820	70202	67699	63640	65410	70993	68628
Floyd	75416	68548	67378	67037	67928	67617	65809	58107	59532	62627	63250
Franklin	46730	42595	42978	44852	45268	45795	42487	38820	42857	44891	45657
Fremont	30363	27562	27546	28120	29059	29729	28852	26161	27868	27901	28499
Greene	50182	45603	45035	45124	45045	44012	42846	40568	44761	48071	46797
Grundy	55472	50586	50929	54558	51216	52231	49034	46272	48268	50588	51008
Guthrie	41666	37812	37053	37842	38870	39520	36338	34007	35877	38355	37444
Hamilton	68387	62121	59025	60887	62683	62378	59435	55060	59651	62347	61398
Hancock	49108	44725	45733	46238	48094	50515	46793	44112	46409	49550	48422
Hardin	85222	77541	75605	76622	80029	80986	79088	77521	77057	81225	79331
Harrison	44054	39930	39242	39919	42255	42700	42482	40373	40185	41937	41304
Henry	66382	60466	60697	59929	61208	61522	57970	55653	56621	58539	57206
Howard	41517	37702	37661	39940	39423	39642	37191	36559	37118	39325	38268
Humboldt	49744	47363	46189	45613	45355	46338	44642	40489	42502	44038	42626
Ida	33018	30206	28547	29543	30938	32022	30075	28962	30446	31572	31886
Iowa	66913	60757	64888	64476	59399	55758	51458	53350	53425	56374	53798
Jackson	74771	68054	73309	66969	68605	65265	63971	61338	63894	67080	65956
Jasper	143849	130770	125386	126633	125489	123376	116106	114097	114654	112864	109131



Table 9. Dividends, Interest, and Rent (in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	67885	61825	57953	56664	54825	57829	53103	45727	47705	47586	45271
Johnson	419933	382756	371183	325525	304210	299444	275358	239279	227894	231542	213527
Jones	69623	63402	62999	62926	63755	68860	66193	61902	60316	63531	62557
Keokuk	48053	43581	44364	45403	46532	47016	45438	43129	46261	47821	47014
Kossuth	79396	72455	71140	68863	72263	75561	71621	66151	68650	71893	71767
Lee	142691	129998	124779	122735	132093	123103	118549	110269	109778	113101	108373
Linn	738174	672778	651826	621215	623213	610543	584939	518719	500966	493136	472901
Louisa	30738	27983	27225	28942	30205	30389	29692	28849	31386	31897	31771
Lucas	37188	33702	30232	29947	29344	30236	29645	29280	28046	30050	28157
Lyon	42425	38696	39293	39825	40589	41714	41119	37162	35758	38008	39289
Madison	39709	36024	35818	36071	36963	36939	34331	33831	34088	36259	36181
Mahaska	77368	70353	72327	67465	69791	69728	65467	64464	65891	66997	64307
Marion	126773	115290	109774	106238	104035	104915	95818	89740	92965	93808	89288
Marshall	152603	138765	141295	139620	139110	142943	141031	122436	120419	127489	122630
Mills	36121	32889	31850	31606	31695	32497	30796	30038	30758	31587	30346
Mitchell	55539	50490	49280	50647	49171	49904	47733	45832	48159	51310	49259
Monona	33257	30292	32110	31137	32655	33746	33717	31619	30599	33002	33609
Monroe	25976	23610	24744	25520	25391	24788	22700	21860	20702	21505	23085
Montgomery	48604	44240	45046	45545	47354	46867	46399	42240	41909	44110	43216
Muscatine	228150	208693	200913	181044	170364	163972	143549	143451	138137	136060	129883
O'Brien	67687	61563	61026	61135	61774	62987	58183	54880	56798	61478	60322
Osceola	29742	27057	26265	27406	27364	28584	26861	25613	26011	26953	28242
Page	72415	65710	65860	64356	66892	67794	64416	58589	59429	61086	56953
Palo Alto	40045	38768	38799	37494	39616	40819	37642	36121	37332	41978	42253
Plymouth	97706	89088	94450	93894	93001	93491	87485	80311	79475	82175	80749
Pocahontas	37705	35286	34906	36114	36997	37483	36106	34996	38402	40494	40409
Polk	1461887	1333101	1260149	1215432	1216619	1176858	1090093	987158	915851	893770	847264
Pottawattamie	229171	208995	203901	200605	190158	182191	173915	178024	178990	180413	172343
Poweshiek	80966	73638	70576	70196	70728	70125	66584	62235	62147	63314	60771
Ringgold	19339	17551	18460	16963	17754	17666	16681	16404	17382	18337	18127
Sac	52749	48009	49601	48898	51449	52245	50145	46306	47116	52029	51711
Scott	584961	534331	548606	498280	497298	496917	447309	421262	405182	412901	389779
Shelby	59432	54066	53701	53792	55739	57931	54792	52221	51030	52610	50919
Sioux	124160	113368	107503	106663	106143	95662	90106	90279	88318	90694	90008
Story	272908	249181	241238	236157	224183	209292	198071	193425	191514	191086	184725
Tama	69803	63553	62583	62940	65050	65949	64159	62646	64340	68427	67095
Taylor	22010	19887	20386	21856	22721	23422	21997	21823	23284	25378	25735
Union	45271	41160	39887	39407	42163	43852	40221	40112	39310	42168	40812
Van Buren	22978	20822	21065	21451	22164	21068	20139	19441	19762	21264	20103
Wapello	100909	91736	88788	90388	97631	95524	89370	82554	84656	86444	83558
Warren	103841	94758	87649	84841	85120	81844	75896	71393	69918	69372	65429
Washington	92232	83710	80528	81051	78279	78882	73863	67804	74560	75892	74307
Wayne	22371	20263	22394	21990	24546	25096	24178	22868	24167	25835	24973
Webster	157694	143439	142634	144138	146959	135905	126900	126725	130164	135300	128744
Winnebago	45555	41600	49087	47740	47840	48559	47650	45151	45772	50077	49532
Winneshiek	80880	73485	72645	71087	69381	69859	66456	62785	64329	63763	60317
Woodbury	349208	318224	333001	334180	300257	278513	263873	265091	260054	264661	256395
Worth	30189	27620	27024	28063	28994	29858	27289	26336	27654	29987	29688
Wright	61103	55587	58556	58826	59938	59565	61244	54449	60161	59640	62542
State of Iowa	11062520	10086645	9942195	9680323	9635649	9540099	8967259	8384405	8349168	8537999	8261956

Table 10. Adjusted Dividends, Interest, and Rent (1995 dollars in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	37560	34967	35765	37425	38026	43581	41711	41089	41531	45693	44967
Adams	14837	13821	14836	15444	16907	17737	17976	18678	20795	22506	22214
Allamakee	51513	48068	50337	51807	51899	55273	53560	53485	56982	63097	61947
Appanoose	43791	40919	38513	40374	42581	44727	45143	45157	47693	50668	49819
Audubon	31160	29123	28932	30861	33534	34960	35598	35198	36709	39903	39013
Benton	81202	75938	78322	75113	80724	83216	83208	86851	90450	96961	98849
Black Hawk	426568	400317	400586	399815	416188	437719	437926	413123	424788	457299	456860
Boone	93241	87297	89617	89894	93036	97622	97550	93489	98284	103137	101264
Bremer	92703	86788	89048	90002	89840	95900	96487	93591	98877	106926	104354
Buchanan	79796	74891	77266	75854	81181	81931	81439	78010	79366	83828	84330
Buena Vista	80814	75766	79797	80790	86498	90799	90481	84403	90480	98950	97279
Butler	55388	51900	53441	57736	59584	64101	64382	64124	69671	77879	79571
Calhoun	60197	56193	57069	54807	51085	53747	53945	53221	58201	63335	65061
Carroll	106800	99994	100362	107656	106877	108681	107821	107274	112088	116625	114070
Cass	72848	68083	73999	70774	76236	78918	79542	76147	82952	90391	88619
Cedar	87188	81719	80477	80911	82349	83358	82241	83080	86902	90769	96225
Cerro Gordo	183574	172419	177153	180446	190606	200578	195010	187245	207282	212510	209456
Cherokee	55789	52365	53602	56763	59461	63581	61135	61436	63987	67798	67331
Chickasaw	47949	44861	44690	46750	47941	51389	53036	53684	58082	63341	62593
Clarke	22214	20713	21327	23590	25318	27783	26863	28125	30411	33024	32661
Clay	71130	66675	66546	68719	69475	74306	75297	75800	76753	83206	82686
Clayton	80299	74852	75141	72896	72981	76370	77768	77521	82851	88785	85798
Clinton	169568	158758	162185	168375	172189	180970	179410	180062	191543	205663	205056
Crawford	80137	79533	81248	79025	75775	74692	66066	63800	70413	78050	78564
Dallas	120450	112647	111861	107137	107762	111593	109315	103188	108284	115547	112710
Davis	33345	30999	33703	31949	30256	30600	26310	25948	28463	30733	29132
Decatur	19574	18247	18504	19892	21608	23484	23860	23413	24697	27436	27000
Delaware	69840	65235	65010	65269	67224	70337	69919	70079	74644	79212	76620
Des Moines	156763	146915	149019	147664	150982	159247	158855	154380	161307	172419	168825
Dickinson	91307	85588	84923	86024	86114	90686	91378	87589	87984	91034	89609
Dubuque	372001	347959	356156	355600	355799	370145	359036	354621	356028	369511	352537
Emmet	38710	36257	41234	42284	43610	45548	43496	43303	49661	55382	55634
Fayette	76347	71387	71635	73637	77886	81470	82696	81486	87103	97928	96122
Floyd	75416	70492	71041	72674	75776	78470	80387	74402	79275	86388	88590
Franklin	46730	43803	45314	48623	50498	53146	51899	49706	57070	61923	63948
Fremont	30363	28343	29043	30484	32416	34501	35243	33497	37110	38487	39916
Greene	50182	46896	47483	48918	50249	51076	52337	51944	59606	66309	65545
Grundy	55472	52020	53698	59145	57133	60615	59896	59248	64276	69781	71443
Guthrie	41666	38884	39067	41024	43361	45863	44388	43543	47775	52907	52445
Hamilton	68387	63882	62234	66007	69925	72390	72601	70500	79434	86002	85996
Hancock	49108	45993	48219	50126	53650	58623	57159	56482	61800	68350	67821
Hardin	85222	79740	79715	83065	89275	93985	96608	99260	102612	112042	111113
Harrison	44054	41062	41375	43275	47137	49554	51893	51695	53512	57848	57852
Henry	66382	62180	63997	64968	68279	71397	70812	71259	75399	80749	80124
Howard	41517	38771	39708	43298	43977	46005	45430	46811	49428	54245	53599
Humboldt	49744	48706	48700	49448	50595	53776	54531	51843	56597	60746	59703
Ida	33018	31062	30099	32027	34512	37162	36737	37084	40543	43551	44660
Iowa	66913	62480	68415	69897	66261	64708	62857	68311	71143	77763	75351
Jackson	74771	69984	77294	72600	76531	75741	78142	78539	85084	92531	92380
Jasper	143849	134478	132202	137281	139987	143179	141826	146093	152678	155685	152852

Table 10. Adjusted Dividends, Interest, and Rent (1995 dollars in \$1,000) in Iowa Counties, 1985-1995 (cont.).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	67885	63578	61103	61428	61159	67111	64867	58550	63526	65640	63408
Johnson	419933	393609	391361	352896	339355	347508	336356	306379	303473	319390	299072
Jones	69623	65200	66424	68217	71121	79913	80856	79261	80319	87635	87619
Keokuk	48053	44817	46776	49221	51908	54563	55504	55223	61603	65965	65849
Kossuth	79396	74509	75007	74653	80611	87689	87487	84701	91417	99170	100519
Lee	142691	133684	131562	133055	147354	142862	144810	141191	146185	156012	151790
Linn	738174	691854	687260	673448	695212	708541	714516	664181	667107	680235	662358
Louisa	30738	28776	28705	31376	33695	35267	36269	36939	41795	43999	44499
Lucas	37188	34658	31875	32465	32734	35089	36212	37491	37347	41451	39437
Lyon	42425	39793	41429	43174	45278	48410	50228	47583	47617	52428	55029
Madison	39709	37045	37765	39104	41233	42868	41936	43318	45393	50016	50676
Mahaska	77368	72348	76259	73138	77854	80920	79969	82541	87743	92416	90070
Marion	126773	118559	115741	115171	116054	121755	117044	114905	123796	129399	125059
Marshall	152603	142700	148976	151360	155181	165887	172273	156770	160355	175859	171759
Mills	36121	33822	33581	34264	35357	37713	37618	38461	40959	43571	42503
Mitchell	55539	51922	51959	54906	54852	57914	58307	58684	64131	70777	68994
Monona	33257	31151	33856	33755	36428	39163	41186	40486	40747	45523	47074
Monroe	25976	24279	26089	27666	28324	28767	27729	27990	27568	29664	32333
Montgomery	48604	45494	47495	49375	52825	54390	56677	54085	55808	60846	60530
Muscatine	228150	214610	211835	196267	190046	190291	175348	183678	183949	187682	181918
O'Brien	67687	63309	64343	66275	68911	73097	71072	70270	75635	84803	84489
Osceola	29742	27824	27693	29710	30525	33172	32811	32796	34637	37179	39557
Page	72415	67573	69440	69767	74620	78676	78686	75019	79138	84262	79770
Palo Alto	40045	39867	40908	40647	44193	47371	45981	46250	49713	57905	59181
Plymouth	97706	91614	99584	101789	103745	108497	106865	102832	105832	113353	113099
Pocahontas	37705	36287	36804	39151	41271	43499	44104	44810	51138	55858	56598
Polk	1461887	1370900	1328652	1317629	1357174	1365755	1331573	1263982	1219585	1232872	1186702
Pottawattamie	229171	214921	214985	217472	212127	211434	212441	227946	238351	248863	241388
Poweshiek	80966	75726	74413	76098	78899	81381	81334	79687	82758	87336	85118
Ringgold	19339	18049	19463	18389	19805	20502	20376	21004	23147	25294	25389
Sac	52749	49370	52297	53009	57393	60631	61253	59291	62742	71769	72428
Scott	584961	549481	578429	540177	554750	576677	546398	539394	539557	569558	545935
Shelby	59432	55599	56620	58315	62178	67229	66930	66865	67954	72571	71319
Sioux	124160	116582	113347	115632	118406	111017	110067	115595	117608	125104	126068
Story	272908	256246	254352	256014	250083	242885	241948	247666	255028	263585	258731
Tama	69803	65355	65985	68232	72565	76534	78372	80213	85678	94389	93975
Taylor	22010	20451	21494	23694	25346	27181	26870	27943	31006	35007	36045
Union	45271	42327	42055	42720	47034	50891	49131	51360	52347	58167	57162
Van Buren	22978	21412	22210	23255	24725	24450	24600	24893	26316	29332	28157
Wapello	100909	94337	93615	97988	108910	110857	109167	105704	112731	119241	117034
Warren	103841	97445	92414	91975	94954	94981	92709	91413	93106	95692	91642
Washington	92232	86084	84906	87866	87322	91543	90225	86818	99287	104686	104076
Wayne	22371	20838	23611	23839	27382	29124	29534	29281	32182	35637	34978
Webster	157694	147506	150388	156258	163937	157719	155011	162262	173332	186634	180322
Winnebago	45555	42780	51755	51754	53367	56353	58206	57812	60952	69077	69376
Winneshiek	80880	75569	76594	77064	77397	81072	81177	80391	85663	87955	84482
Woodbury	349208	327247	351103	362279	334945	323217	322327	339429	346299	365075	359114
Worth	30189	28403	28493	30423	32344	34651	33334	33721	36825	41364	41582
Wright	61103	57163	61739	63772	66863	69126	74811	69718	80113	82268	87598

State of Iowa 11062520 10372643 10482659 10494270 10748845 11071379 10953708 10735600 11118101 11777370 11571926

Table 11. Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	27.7	22.8	26.6	24.8	27.0	29.2	27.4	29.4	28.0	29.6	31.8
Adams	21.9	17.1	20.8	19.4	21.8	22.2	21.7	24.5	23.4	25.4	27.5
Allamakee	22.7	20.7	22.3	22.2	23.5	23.7	23.1	24.5	24.2	27.5	28.4
Appanoose	21.1	19.4	18.9	19.5	21.1	22.3	22.2	22.6	23.0	24.2	24.9
Audubon	25.4	22.6	25.0	23.3	25.6	27.2	26.2	28.1	26.3	30.4	29.4
Benton	17.7	17.0	18.9	18.0	20.3	20.5	20.1	22.5	21.8	23.3	25.4
Black Hawk	16.8	16.2	16.8	16.8	18.1	18.8	18.9	18.3	19.0	20.9	20.3
Boone	17.3	16.1	17.8	17.2	18.6	19.5	19.0	19.1	19.4	20.9	21.6
Bremer	19.8	18.8	20.3	20.2	21.6	22.6	23.7	24.0	24.6	26.8	25.6
Buchanan	21.4	19.9	22.3	20.8	22.9	22.7	22.9	23.4	22.2	25.2	25.2
Buena Vista	20.8	19.5	22.5	21.4	23.6	24.5	23.6	22.9	24.2	25.7	25.9
Butler	19.2	18.1	20.4	19.9	21.7	22.9	24.4	24.6	24.6	27.8	27.5
Calhoun	27.5	24.7	30.3	25.3	27.1	27.2	25.2	25.0	26.7	28.4	29.5
Carroll	23.6	22.3	23.9	24.0	25.4	26.0	25.4	25.2	25.7	27.4	27.1
Cass	26.5	24.0	28.0	25.3	28.7	28.9	27.8	28.4	29.2	31.1	30.4
Cedar	25.1	23.1	24.5	23.7	25.0	24.1	23.9	25.5	25.4	27.7	28.8
Cerro Gordo	18.8	18.1	19.8	19.6	21.0	21.7	21.7	20.5	22.4	23.3	23.4
Cherokee	21.9	19.0	22.0	21.8	22.8	23.9	23.1	22.9	23.8	25.3	25.8
Chickasaw	19.8	18.5	20.5	19.8	21.2	22.3	23.0	23.8	23.0	25.9	25.8
Clarke	19.2	16.5	18.1	18.5	20.1	21.3	20.1	22.3	22.8	25.3	26.4
Clay	19.6	18.2	21.2	20.3	21.6	21.7	21.6	22.0	22.6	24.6	25.3
Clayton	24.3	23.1	24.2	22.2	23.3	23.0	23.7	25.6	24.9	27.1	27.7
Clinton	17.0	16.1	17.2	17.2	18.4	19.0	18.8	19.4	20.3	22.1	21.9
Crawford	26.0	25.1	28.1	26.0	26.5	26.0	23.1	22.1	23.4	25.9	27.1
Dallas	15.9	15.5	16.5	16.0	17.2	17.9	17.5	17.3	18.1	19.9	20.2
Davis	25.1	22.7	25.3	23.5	23.8	23.4	21.5	22.1	22.8	24.4	23.9
Decatur	16.4	15.7	17.1	17.4	19.3	20.6	19.9	21.6	20.4	22.4	22.7
Delaware	22.8	20.2	21.7	20.5	21.4	20.9	21.7	23.7	22.5	25.0	25.8
Des Moines	17.7	16.8	17.5	17.4	18.2	18.8	19.0	18.6	19.3	20.7	20.6
Dickinson	25.1	24.1	26.2	25.9	27.4	28.3	28.4	28.7	29.1	31.0	32.0
Dubuque	19.9	19.1	20.2	20.4	21.4	22.0	21.6	21.7	21.5	23.3	22.4
Emmet	18.4	16.9	22.0	20.1	22.3	22.3	21.3	21.7	23.9	26.3	26.3
Fayette	20.7	19.2	21.5	20.5	22.2	22.3	22.7	24.1	23.3	26.8	26.3
Floyd	23.7	22.4	24.1	22.9	24.5	24.3	26.6	24.4	24.6	27.2	28.3
Franklin	22.4	20.6	25.8	23.0	26.7	25.8	24.8	24.1	25.2	26.3	29.2
Fremont	22.8	19.5	24.5	21.3	24.3	25.8	25.0	22.4	24.5	23.0	24.5
Greene	24.2	22.9	27.1	24.0	27.6	28.4	26.5	28.1	28.7	31.5	33.1
Grundy	20.9	20.1	22.6	22.3	23.5	24.8	25.5	25.2	25.1	27.6	28.6
Guthrie	20.6	19.0	20.7	20.1	21.9	22.9	21.6	23.0	23.4	26.7	26.9
Hamilton	20.1	18.7	21.3	20.4	22.2	23.1	21.2	23.4	23.8	25.2	25.9
Hancock	22.8	20.7	25.7	23.2	27.2	26.3	26.1	25.3	27.0	27.9	27.6
Hardin	22.1	20.9	23.3	22.3	25.1	25.6	27.2	28.7	26.7	28.3	28.5
Harrison	17.4	15.9	17.6	17.0	20.2	21.2	22.1	22.0	21.8	22.8	22.1
Henry	17.5	16.3	17.8	17.8	19.4	19.8	20.5	21.0	22.1	23.8	24.6
Howard	23.1	21.2	25.6	25.6	26.9	27.2	27.0	30.4	28.0	30.2	31.9
Humboldt	22.6	22.3	26.1	23.7	27.2	27.0	25.3	26.1	27.3	29.2	29.9
Ida	22.6	20.4	22.1	21.1	24.2	24.7	23.9	24.0	25.7	27.9	28.6
Iowa	21.1	19.0	22.2	21.8	22.6	22.4	22.0	25.2	24.3	28.0	26.8
Jackson	21.9	20.2	22.9	21.8	23.9	22.7	23.4	24.0	24.4	27.8	27.7
Jasper	19.1	17.9	18.9	19.3	20.2	20.3	20.2	21.1	21.4	22.3	22.5

Table 11. Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa Counties, 1985-1995  
(continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	21.7	20.1	21.4	20.6	21.4	22.6	22.2	20.8	21.7	22.7	23.8
Johnson	18.1	17.3	18.2	17.0	17.0	17.5	17.2	16.8	17.2	18.4	18.2
Jones	22.0	20.4	21.9	21.7	23.6	25.2	25.3	27.0	25.7	28.9	29.0
Keokuk	25.4	22.0	25.0	24.4	26.1	26.6	26.2	28.3	26.6	29.8	30.2
Kossuth	24.3	21.4	26.1	22.4	27.2	26.0	24.5	23.9	24.8	25.8	27.9
Lee	19.2	18.2	18.9	18.6	20.9	20.3	20.5	20.2	20.6	21.3	20.8
Linn	16.9	16.4	17.0	17.1	18.1	18.4	18.6	18.1	18.5	19.5	19.7
Louisa	15.2	13.7	14.9	15.4	17.2	16.9	17.6	18.7	20.1	21.3	22.4
Lucas	25.9	21.9	21.3	20.6	21.2	22.4	22.6	23.3	22.7	24.9	25.0
Lyon	21.2	18.6	22.8	21.3	22.6	23.7	23.7	24.5	22.8	25.2	26.2
Madison	16.0	14.9	16.7	16.9	18.6	19.1	18.5	20.3	20.4	22.6	23.9
Mahaska	19.6	17.9	20.2	18.9	20.7	20.8	20.8	22.2	22.0	23.3	23.7
Marion	20.0	18.9	19.8	19.6	20.4	21.1	20.5	20.3	21.1	22.8	22.9
Marshall	18.3	17.5	19.4	19.1	19.8	21.1	21.6	21.0	20.7	22.7	22.3
Mills	12.7	11.6	12.5	11.9	12.7	13.5	13.6	13.6	14.5	15.9	16.6
Mitchell	24.0	22.3	25.7	24.6	25.7	25.4	26.3	28.5	27.5	30.8	31.9
Monona	20.2	17.2	20.7	18.8	23.3	23.9	23.7	24.0	24.0	25.0	26.3
Monroe	18.2	16.5	18.7	19.1	20.2	20.3	20.0	20.8	19.5	21.9	24.0
Montgomery	20.9	19.0	21.1	21.0	22.9	23.6	24.0	24.4	24.8	26.4	27.0
Muscatine	24.4	23.4	23.8	22.5	23.0	22.9	21.4	22.7	22.7	23.2	22.6
O'Brien	22.4	21.0	24.3	22.5	23.7	24.5	23.6	22.7	24.4	27.3	27.9
Osceola	22.5	20.5	25.4	23.4	23.6	25.7	25.5	25.7	27.0	28.9	32.2
Page	22.4	20.7	22.8	21.8	24.1	25.0	24.8	25.3	25.5	25.6	25.8
Palo Alto	21.4	20.4	25.8	21.2	26.5	24.8	24.0	24.1	24.3	27.9	28.2
Plymouth	20.7	19.0	21.5	21.5	22.7	24.0	23.9	25.2	23.6	26.7	26.8
Pocahontas	22.5	20.2	25.4	22.0	26.1	26.2	24.0	25.3	27.9	27.4	27.5
Polk	15.9	15.6	15.6	15.8	16.9	17.2	17.2	16.8	17.0	17.6	17.5
Pottawattamie	14.3	13.7	14.4	14.2	14.4	14.4	14.5	15.3	15.7	16.3	16.0
Poweshiek	21.0	19.6	20.8	20.5	21.8	22.0	21.9	22.4	22.3	24.3	25.5
Ringgold	26.4	20.7	25.7	21.9	24.5	25.0	23.1	26.3	25.5	27.7	31.8
Sac	24.9	22.1	26.2	23.9	27.5	27.9	27.4	26.8	27.5	29.4	32.2
Scott	17.0	16.5	17.6	16.6	17.4	18.0	17.4	17.5	17.5	18.8	18.0
Shelby	24.9	22.7	25.5	24.0	26.0	27.6	27.7	28.6	27.6	30.4	28.2
Sioux	21.5	20.4	21.5	20.8	22.3	20.7	20.6	22.9	22.4	24.1	23.6
Story	17.5	17.0	17.7	17.9	18.1	17.8	17.8	18.9	19.4	20.3	20.6
Tama	20.5	19.3	21.6	21.6	23.4	23.7	24.4	25.1	25.2	28.2	28.7
Taylor	23.4	19.6	23.1	22.6	24.8	26.9	26.1	28.2	26.8	29.1	30.8
Union	21.2	19.4	20.2	19.9	22.3	23.6	22.8	24.3	24.1	26.5	26.5
Van Buren	20.0	17.4	19.6	19.1	21.2	20.6	21.2	22.6	22.3	25.1	24.9
Wapello	15.5	14.6	15.2	15.5	17.4	17.7	17.5	17.5	18.4	19.3	18.8
Warren	13.3	12.7	12.8	12.8	13.9	14.1	13.9	14.0	14.6	15.4	15.0
Washington	23.0	21.2	22.3	22.2	22.5	23.2	23.8	24.4	25.8	27.5	26.9
Wayne	22.7	18.9	24.1	23.2	26.6	27.2	26.6	27.5	26.3	28.5	29.4
Webster	19.0	18.3	20.3	20.3	22.0	21.6	20.6	22.6	23.6	24.6	24.7
Winnebago	18.8	17.1	23.4	22.0	24.3	23.3	23.4	22.1	23.7	26.8	27.9
Winneshiek	20.8	19.4	21.0	20.3	21.3	21.7	22.1	23.8	23.7	25.2	25.7
Woodbury	16.0	15.7	17.4	17.9	17.7	17.2	17.0	18.0	18.4	20.0	19.9
Worth	20.2	18.9	22.6	21.2	23.5	22.6	22.6	22.9	23.9	26.7	27.1
Wright	21.4	20.6	25.9	23.6	27.2	26.4	25.8	25.4	28.4	28.1	30.2
State of Iowa	18.6	17.7	19.0	18.6	19.9	20.2	20.1	20.3	20.7	22.3	22.3

Table 12. Transfer Payments (in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	28713	26993	26322	24138	22124	20829	19059	18238	17828	17911	17385
Adams	18165	17164	15842	15070	14237	13409	12773	12607	12479	11952	11399
Allamakee	46462	43221	42810	40407	36607	34867	32555	30232	28929	28406	27626
Appanoose	58590	55165	54656	51390	47913	44580	42379	40719	39993	40043	39656
Audubon	25610	23838	23929	22737	21290	19672	18756	16711	16318	16049	15438
Benton	70968	67515	62185	61715	56830	51355	47803	45111	43898	43246	41674
Black Hawk	442711	418396	395074	375838	349820	323829	302571	285428	274564	275527	265471
Boone	119085	126830	119875	112697	108316	99775	91781	89610	82678	73242	65798
Bremer	71321	66889	68330	59582	55062	49991	47375	44859	43971	43408	40628
Buchanan	66537	62217	59906	56878	53208	47965	46247	43822	43494	42153	40461
Buena Vista	71318	67901	63586	61325	57332	52575	50071	47230	44777	43416	40507
Butler	58788	54826	52413	50375	46175	42012	39043	36409	35425	34695	33010
Calhoun	46062	43347	41581	39083	36401	34823	31454	29786	28760	28334	27599
Carroll	74720	70074	66711	64274	59564	54066	50975	46681	44463	43406	41423
Cass	62053	57948	54527	52196	47070	43380	39983	36909	36049	35762	34834
Cedar	50468	47403	46172	44677	41163	37650	35161	32784	31792	31113	29927
Cerro Gordo	176465	168594	162848	155404	142790	132648	120083	113489	107687	104789	99045
Cherokee	52657	47980	45923	43632	40518	38320	36093	33667	33041	31885	29625
Chickasaw	42481	39958	39051	36206	33785	30979	29302	28164	27201	27252	26495
Clarke	30890	28582	28793	26415	24514	21530	20139	18945	18325	17931	17173
Clay	59864	55895	52165	49467	46995	43497	41109	38108	36572	35830	34217
Clayton	64761	59878	57854	56092	52874	48236	44713	42413	40077	39180	38141
Clinton	190723	178535	170154	162885	154251	142020	131689	121822	115940	114853	112230
Crawford	60307	56879	53686	50062	46674	42013	39287	36109	34210	33749	32814
Dallas	100431	94439	90316	85512	77453	70680	67200	62896	60416	60076	57523
Davis	29694	27747	26933	25402	23524	21846	20629	19456	18973	18685	17863
Decatur	31467	30065	29011	28338	25760	23687	21789	21040	20537	20271	19853
Delaware	49022	45875	44826	43108	39844	36430	33902	31587	30428	29855	28951
Des Moines	156692	147894	143071	138878	128567	120544	110022	103114	98077	96773	93505
Dickinson	59830	57111	56090	51644	48627	42675	39787	37479	35745	34523	32607
Dubuque	273873	256698	249585	234092	216691	199794	187201	175545	168046	166863	162762
Emmet	48021	43410	41838	40327	36915	33762	32393	29353	28320	27844	26891
Fayette	77620	72757	68425	65332	61093	56431	53249	49620	48606	48812	48302
Floyd	66923	63867	59995	57616	53490	49144	44943	42789	40821	40299	39434
Franklin	38977	36730	36168	35676	32566	29383	27370	26228	25282	24386	22921
Fremont	32466	30014	27709	26652	24670	22492	22146	21316	20634	20438	20230
Greene	42549	39477	37057	35458	33437	30852	28526	27077	25384	25111	24398
Grundy	36860	33943	33241	32851	30807	28512	27506	26373	25713	25332	24556
Guthrie	43123	40274	40193	37772	35388	32711	30763	28663	28144	27661	26519
Hamilton	57854	54386	52896	51240	46070	42759	39278	37416	36157	35627	34426
Hancock	42678	40413	39151	37249	33896	31153	27835	25666	24748	24298	23308
Hardin	75310	69930	68125	66211	61766	55966	52250	49184	48356	46975	44791
Harrison	60730	54184	52919	50754	47205	41775	40225	37223	36037	35283	34839
Henry	61106	57537	55708	52882	51066	47082	43811	40755	38219	37584	36065
Howard	33383	32042	31006	30099	27570	25195	23433	21511	20600	20791	20655
Humboldt	42022	40435	39369	36864	34553	31440	28737	26502	25565	24888	23767
Ida	25371	23453	23361	22145	20469	18940	17986	18189	17608	17048	16192
Iowa	45163	41271	40802	39544	35649	33944	31082	29710	28596	28118	26807
Jackson	70035	66027	66711	60934	55059	49780	46805	45122	43027	42712	42406
Jasper	120332	113455	109096	103758	95115	86946	79669	75543	72161	71031	67521

Table 12. Transfer Payments (in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	50267	46779	43824	42142	39628	37090	34068	32620	31370	30259	28200
Johnson	201877	191022	179720	166785	154517	140601	130462	120370	112012	105597	98546
Jones	53808	49513	49038	46354	42864	40494	38356	35810	35004	34723	33591
Keokuk	44533	42095	40482	39794	36742	34153	32278	30596	29600	29341	28097
Kossuth	61634	58065	56273	52980	49594	46245	43002	40515	39086	38492	37173
Lee	144795	136651	132917	127409	117427	105850	102204	95908	91972	90771	86829
Linn	527511	496691	470201	448859	416500	384493	352309	328010	309779	303905	286689
Louisa	33306	31154	32160	29817	28390	26115	24633	23096	21964	21765	21160
Lucas	35271	33472	31779	31051	29720	27398	25855	25377	24579	24537	24142
Lyon	35903	32858	31256	29919	29342	26855	24643	23063	21902	21454	20515
Madison	43086	39348	38019	35485	32659	30280	27991	27009	26280	26035	25021
Mahaska	74919	71595	68969	66499	63299	58285	53897	50496	48481	47397	45027
Marion	104580	98469	93456	89982	83703	76585	70808	67229	64709	63312	60807
Marshall	142113	132395	125152	118686	111142	101639	94967	89513	87056	85052	81241
Mills	85407	85297	84468	83978	78776	73364	66617	65173	57949	46961	39536
Mitchell	39852	38111	36792	34640	31476	28729	27465	25577	25162	24380	23400
Monona	47105	44117	44055	41113	38003	34582	31559	29621	28778	27864	26543
Monroe	34959	32724	31018	29781	28282	25860	24525	23917	23057	23359	22594
Montgomery	54410	49795	48366	44341	41109	37964	35521	33286	32504	31786	30864
Muscatine	124512	116273	110856	105963	98794	90815	84934	79012	74881	74917	72028
O'Brien	57460	53372	49843	48812	44330	40894	38002	35632	34686	33792	31891
Osceola	23288	22220	21591	20702	19366	17708	17360	15881	15015	15038	14452
Page	67140	62291	59385	58208	55280	51072	47815	45259	43737	42895	41426
Palo Alto	41935	39748	38091	35447	33496	30522	28685	26872	25666	25409	24775
Plymouth	71316	68799	65495	61492	56821	51640	48789	45715	44278	42766	40658
Pocahontas	37154	35277	33754	32122	29643	27424	25298	23923	23214	22578	21358
Polk	1082387	1022129	977940	927227	859126	782855	719738	676954	641592	631263	603845
Pottawattamie	301744	285529	271326	261254	240901	223652	207203	192805	183135	181144	178536
Poweshiek	60620	56974	53520	51332	46720	42972	40927	37937	36563	36179	34519
Ringgold	22589	21408	20266	19957	18588	16900	14989	14555	14072	13329	12834
Sac	48007	45083	43121	41206	39374	35968	34226	31815	29235	28609	27497
Scott	523491	490916	477088	441906	407807	380142	350849	328230	305108	299886	290111
Shelby	49729	46427	43498	39553	35773	32588	31003	29198	28410	27414	26526
Sioux	81239	75971	73300	70057	64050	58672	55353	51430	50702	49265	46221
Story	184604	172561	163052	153629	146561	133849	123390	115208	110810	104713	98007
Tama	62296	58020	55438	53400	50779	46204	42872	40465	39245	38256	36617
Taylor	26308	24972	24835	23860	23176	21300	19814	19040	18562	18286	17823
Union	49734	45612	45034	42455	39935	37448	34955	33229	32716	32423	31817
Van Buren	29928	28075	26589	25475	24150	22142	21426	19822	18429	18007	17253
Wapello	152697	141725	137230	135008	122961	112363	106961	102901	100218	100904	96563
Warren	102457	95256	91143	84453	77059	69133	64546	60448	56876	55117	52200
Washington	66786	61954	60934	58331	55226	50996	46964	42824	40626	39540	37192
Wayne	30343	28455	27518	26263	24258	22519	21407	20099	20150	20395	20440
Webster	166430	155234	150692	141678	132789	121447	113128	105093	100187	98265	94518
Winnebago	42785	40309	38935	36146	35559	32334	30338	28215	26644	25839	24534
Winneshiek	60742	57796	55702	51322	47445	43677	41359	38665	36972	36145	34359
Woodbury	354574	333027	322737	315839	297190	270103	252933	242021	230902	226345	217082
Worth	27188	26041	26690	25417	24147	22724	20209	19331	18445	18241	17694
Wright	59587	54938	54138	51269	46084	42322	39938	37668	36443	35904	34478
State of Iowa	9535657	8976005	8625681	8202281	7623324	7002911	6515509	6126643	5853434	5735270	5496897

Table 13. Adjusted Transfer Payments (1995 dollars in \$1,000) in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	28713	27758	27753	26168	24680	24172	23281	23352	23741	24707	24350
Adams	18165	17651	16703	16337	15882	15561	15603	16142	16618	16487	15966
Allamakee	46462	44446	45137	43805	40836	40463	39767	38710	38523	39183	38694
Appanoose	58590	56729	57627	55711	53448	51736	51767	52138	53256	55236	55543
Audubon	25610	24514	25230	24649	23750	22830	22911	21397	21730	22138	21623
Benton	70968	69429	65565	66904	63396	59598	58392	57761	58456	59654	58370
Black Hawk	442711	430259	416550	407439	390234	375807	369597	365469	365621	380064	371826
Boone	119085	130426	126391	122173	120830	115790	112113	114739	110097	101030	92159
Bremer	71321	68786	72044	64592	61423	58015	57870	57439	58554	59877	56905
Buchanan	66537	63981	63163	61660	59355	55664	56492	56111	57918	58146	56671
Buena Vista	71318	69826	67043	66481	63956	61014	61163	60474	59627	59888	56735
Butler	58788	56381	55262	54611	51510	48755	47692	46619	47173	47859	46235
Calhoun	46062	44576	43841	42369	40606	40412	38422	38139	38298	39084	38656
Carroll	74720	72061	70337	69678	66445	62744	62267	59772	59209	59875	58018
Cass	62053	59591	57491	56585	52508	50343	48840	47259	48004	49330	48789
Cedar	50468	48747	48682	48434	45919	43693	42950	41977	42336	42917	41917
Cerro Gordo	176465	173374	171701	168471	159286	153939	146684	145314	143401	144547	138725
Cherokee	52657	49340	48419	47301	45199	44471	44088	43108	43999	43982	41494
Chickasaw	42481	41091	41174	39250	37688	35951	35793	36062	36222	37592	37110
Clarke	30890	29392	30358	28636	27346	24986	24600	24258	24402	24734	24053
Clay	59864	57480	55001	53626	52424	50479	50216	48794	48701	49424	47925
Clayton	64761	61576	60999	60808	58982	55978	54618	54307	53368	54045	53421
Clinton	190723	183597	179404	176581	172071	164816	160861	155984	154391	158429	157192
Crawford	60307	58492	56604	54271	52066	48757	47990	46235	45555	46554	45960
Dallas	100431	97117	95226	92702	86401	82025	82086	80534	80452	82869	80568
Davis	29694	28534	28397	27538	26242	25352	25199	24912	25265	25774	25019
Decatur	31467	30917	30588	30721	28736	27489	26616	26940	27348	27962	27807
Delaware	49022	47176	47263	46733	44447	42277	41412	40445	40519	41182	40550
Des Moines	156692	152087	150848	150555	143420	139893	134394	132030	130603	133489	130966
Dickinson	59830	58730	59139	55986	54245	49525	48601	47989	47600	47621	45670
Dubuque	273873	263976	263153	253775	241725	231863	228670	224772	223777	230172	227969
Emmet	48021	44641	44112	43718	41180	39181	39569	37584	37712	38408	37664
Fayette	77620	74820	72145	70825	68151	65489	65045	63535	64726	67332	67653
Floyd	66923	65678	63256	62461	59670	57032	54899	54788	54359	55589	55232
Franklin	38977	37771	38134	38676	36328	34099	33433	33583	33667	33638	32104
Fremont	32466	30865	29215	28893	27520	26102	27052	27294	27477	28192	28335
Greene	42549	40596	39071	38439	37300	35804	34845	34670	33802	34638	34173
Grundy	36860	34905	35048	35613	34366	33088	33599	33769	34241	34943	34394
Guthrie	43123	41416	42378	40948	39476	37961	37578	36701	37478	38156	37143
Hamilton	57854	55928	55771	55548	51392	49622	47979	47908	48148	49144	48218
Hancock	42678	41559	41279	40381	37812	36153	34001	32863	32955	33517	32646
Hardin	75310	71913	71828	71778	68902	64949	63825	62976	64393	64798	62736
Harrison	60730	55720	55796	55022	52659	48480	49136	47661	47988	48670	48796
Henry	61106	59168	58736	57328	56966	54639	53516	52184	50894	51844	50514
Howard	33383	32951	32692	32630	30755	29239	28624	27543	27432	28679	28930
Humboldt	42022	41581	41509	39964	38545	36486	35103	33934	34043	34331	33289
Ida	25371	24118	24631	24007	22834	21980	21970	23290	23448	23516	22679
Iowa	45163	42441	43020	42869	39767	39392	37967	38041	38080	38786	37547
Jackson	70035	67899	70337	66057	61420	57770	57173	57775	57297	58917	59395
Jasper	120332	116672	115027	112482	106104	100902	97317	96727	96093	97981	94572



Table 13. Adjusted Transfer Payments (1995 dollars in \$1,000) in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	50267	48105	46206	45685	44206	43043	41615	41767	41774	41739	39498
Johnson	201877	196438	189490	180809	172368	163169	159362	154125	149160	145661	138026
Jones	53808	50917	51704	50252	47816	46994	46853	45852	46613	47897	47048
Keokuk	44533	43289	42683	43140	40987	39635	39428	39176	39417	40473	39353
Kossuth	61634	59711	59332	57435	55324	53668	52528	51876	52049	53096	52066
Lee	144795	140526	140142	138122	130993	122840	124844	122803	122474	125210	121615
Linn	527511	510774	495761	486600	464618	446208	430353	419992	412515	419208	401545
Louisa	33306	32037	33908	32324	31670	30307	30090	29573	29248	30023	29637
Lucas	35271	34421	33507	33662	33154	31796	31582	32493	32730	33846	33814
Lyon	35903	33790	32955	32435	32732	31165	30102	29530	29166	29594	28734
Madison	43086	40464	40086	38469	36432	35140	34192	34583	34996	35913	35045
Mahaska	74919	73625	72718	72090	70612	67640	65836	64656	64559	65380	63066
Marion	104580	101261	98536	97548	93373	88878	86494	86082	86169	87333	85168
Marshall	142113	136149	131955	128665	123982	117953	116004	114615	115927	117321	113788
Mills	85407	87716	89060	91039	87877	85140	81374	83449	77167	64778	55375
Mitchell	39852	39192	38792	37553	35112	33340	33549	32749	33507	33630	32775
Monona	47105	45368	46450	44570	42393	40133	38550	37927	38322	38436	37177
Monroe	34959	33652	32704	32285	31549	30011	29958	30624	30704	32222	31646
Montgomery	54410	51207	50995	48069	45858	44058	43390	42620	43284	43846	43229
Muscatine	124512	119570	116882	114873	110208	105392	103749	101169	99715	103341	100884
O'Brien	57460	54885	52552	52916	49451	47458	46420	45624	46189	46613	44667
Osceola	23288	22850	22765	22443	21603	20550	21206	20334	19995	20744	20242
Page	67140	64057	62613	63102	61666	59270	58407	57951	58242	59170	58022
Palo Alto	41935	40875	40162	38427	37366	35421	35039	34408	34178	35049	34701
Plymouth	71316	70750	69055	66662	63385	59929	59597	58535	58962	58992	56947
Pocahontas	37154	36277	35589	34823	33068	31826	30902	30632	30913	31144	29915
Polk	1082387	1051111	1031101	1005191	958380	908511	879176	866789	854371	870768	845762
Pottawattamie	301744	293625	286075	283221	268732	259550	253103	246872	243870	249871	250063
Poweshiek	60620	58589	56429	55648	52118	49869	49993	48575	48689	49906	48348
Ringgold	22589	22015	21368	21635	20735	19613	18309	18637	18739	18386	17976
Sac	48007	46361	45465	44671	43923	41741	41808	40737	38931	39463	38513
Scott	523491	504835	503023	479063	454920	441159	428570	420274	406295	413665	406338
Shelby	49729	47743	45863	42879	39906	37819	37871	37386	37832	37815	37153
Sioux	81239	78125	77285	75948	71450	68089	67615	65852	67517	67956	64738
Story	184604	177454	171916	166547	163493	155333	150724	147515	147559	144442	137271
Tama	62296	59665	58452	57890	56645	53620	52369	51812	52260	52771	51287
Taylor	26308	25680	26185	25866	25853	24719	24203	24379	24718	25224	24963
Union	49734	46905	47482	46025	44549	43459	42698	42547	43566	44724	44564
Van Buren	29928	28871	28034	27617	26940	25696	26172	25381	24541	24839	24165
Wapello	152697	145743	144690	146360	137167	130398	130655	131757	133454	139188	135249
Warren	102457	97957	96098	91554	85962	80230	78844	77399	75738	76029	73113
Washington	66786	63711	64246	63236	61606	59181	57368	54833	54099	54542	52092
Wayne	30343	29262	29014	28471	27060	26134	26149	25735	26833	28133	28629
Webster	166430	159636	158884	153591	148130	140940	138188	134564	133413	135547	132385
Winnebago	42785	41452	41052	39185	39667	37524	37059	36127	35480	35642	34363
Winneshiek	60742	59435	58730	55637	52926	50688	50521	49508	49233	49859	48124
Woodbury	354574	342470	340281	342396	331524	313457	308963	309890	307479	312222	304051
Worth	27188	26779	28141	27554	26937	26371	24686	24752	24562	25162	24783
Wright	59587	56496	57081	55580	51408	49115	48785	48231	48529	49526	48291
State of Iowa	9535657	9230511	9094579	8891950	8504038	8126947	7958841	7844706	7794677	7911268	7699108

Table 14. Percentage of Total Personal Income from Transfer Payments in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	21.1	18.1	20.7	17.4	17.5	16.2	15.3	16.7	16.0	16.0	17.2
Adams	26.9	21.9	23.4	20.5	20.5	19.5	18.8	21.2	18.7	18.6	19.8
Allamakee	20.5	19.1	20.0	18.7	18.5	17.3	17.1	17.7	16.4	17.1	17.7
Appanoose	28.3	26.8	28.3	26.9	26.5	25.8	25.5	26.1	25.7	26.4	27.8
Audubon	20.9	19.0	21.8	18.6	18.1	17.8	16.9	17.1	15.5	16.9	16.3
Benton	15.5	15.6	15.8	16.0	15.9	14.7	14.1	15.0	14.1	14.3	15.0
Black Hawk	17.4	17.4	17.5	17.1	17.0	16.1	15.9	16.2	16.4	17.3	16.5
Boone	22.1	24.0	25.1	23.4	24.1	23.2	21.9	23.5	21.7	20.5	19.6
Bremer	15.2	14.9	16.4	14.5	14.8	13.7	14.2	14.7	14.5	15.0	14.0
Buchanan	17.8	17.0	18.3	16.9	16.7	15.5	15.9	16.8	16.2	17.4	16.9
Buena Vista	18.3	18.0	18.9	17.6	17.4	16.4	16.0	16.4	15.9	15.5	15.1
Butler	20.4	19.7	21.1	18.8	18.8	17.4	18.1	17.9	16.7	17.1	16.0
Calhoun	21.1	19.6	23.3	19.6	21.5	20.5	18.0	17.9	17.6	17.6	17.5
Carrroll	16.5	16.0	16.8	15.6	15.8	15.0	14.6	14.1	13.6	14.1	13.8
Cass	22.6	21.0	21.7	20.2	19.8	18.5	17.1	17.6	16.9	17.0	16.8
Cedar	14.5	13.8	14.8	14.2	13.9	12.6	12.5	12.9	12.4	13.1	12.6
Cerro Gordo	18.1	18.2	19.2	18.3	17.6	16.7	16.3	15.9	15.5	15.9	15.5
Cherokee	20.7	17.9	19.9	18.2	17.4	16.7	16.7	16.1	16.3	16.4	15.9
Chickasaw	17.5	17.0	18.9	16.6	16.7	15.6	15.5	16.0	14.3	15.4	15.3
Clarke	26.7	23.4	25.7	22.5	21.8	19.1	18.4	19.2	18.3	19.0	19.5
Clay	16.5	15.7	17.5	15.9	16.3	14.8	14.4	14.2	14.3	14.6	14.7
Clayton	19.6	19.0	19.7	18.5	18.8	16.9	16.7	17.9	16.0	16.5	17.3
Clinton	19.2	18.7	19.0	18.1	18.3	17.3	16.8	16.8	16.4	17.0	16.8
Crawford	19.6	18.4	19.6	17.8	18.2	17.0	16.8	16.0	15.1	15.4	15.9
Dallas	13.2	13.4	14.0	13.9	13.8	13.2	13.1	13.5	13.5	14.3	14.4
Davis	22.3	20.9	21.3	20.3	20.7	19.4	20.6	21.2	20.2	20.4	20.5
Decatur	29.5	26.6	28.3	26.9	25.7	24.1	22.2	24.9	22.6	22.8	23.4
Delaware	16.0	14.6	15.7	14.6	14.1	12.6	12.9	13.7	12.2	13.0	13.7
Des Moines	17.7	17.4	17.7	17.7	17.3	16.5	16.1	15.9	15.6	16.0	16.0
Dickinson	16.5	16.5	18.2	16.9	17.3	15.5	15.1	15.7	15.8	16.2	16.3
Dubuque	14.7	14.5	15.0	14.5	14.5	13.8	13.7	13.8	13.5	14.5	14.5
Emmet	22.8	20.8	23.6	20.8	21.1	19.2	19.4	18.9	18.1	18.2	17.8
Fayette	21.0	20.1	21.7	19.8	19.5	17.9	17.9	18.8	17.3	18.5	18.5
Floyd	21.0	20.9	21.4	19.7	19.3	17.7	18.2	18.0	16.9	17.5	17.7
Franklin	18.7	17.7	21.7	18.3	19.2	16.5	16.0	16.3	14.8	14.3	14.7
Fremont	24.4	21.3	24.7	20.2	20.6	19.5	19.2	18.3	18.1	16.8	17.4
Greene	20.6	19.8	22.3	18.8	20.5	19.9	17.7	18.7	16.3	16.5	17.3
Grundy	13.9	13.5	14.7	13.4	14.2	13.5	14.3	14.4	13.4	13.8	13.8
Guthrie	21.3	20.2	22.5	20.1	20.0	18.9	18.3	19.4	18.4	19.3	19.0
Hamilton	17.0	16.3	19.1	17.1	16.3	15.8	14.0	15.9	14.4	14.4	14.5
Hancock	19.8	18.7	22.0	18.7	19.2	16.2	15.5	14.7	14.4	13.7	13.3
Hardin	19.5	18.9	20.9	19.2	19.4	17.7	17.9	18.2	16.7	16.3	16.1
Harrison	24.0	21.6	23.7	21.6	22.6	20.7	21.0	20.3	19.6	19.1	18.6
Henry	16.1	15.5	16.3	15.7	16.2	15.2	15.5	15.4	14.9	15.3	15.5
Howard	18.6	18.0	21.1	19.3	18.8	17.3	17.0	17.9	15.6	16.0	17.2
Humboldt	19.1	19.0	22.2	19.1	20.7	18.3	16.3	17.1	16.4	16.5	16.7
Ida	17.4	15.8	18.1	15.8	16.0	14.6	14.3	15.1	14.9	15.1	14.5
Iowa	14.3	12.9	14.0	13.4	13.6	13.6	13.3	14.1	13.0	14.0	13.4
Jackson	20.6	19.6	20.8	19.8	19.2	17.3	17.2	17.7	16.4	17.7	17.8
Jasper	15.9	15.6	16.4	15.8	15.3	14.3	13.8	14.0	13.5	14.0	13.9

Table 14. Percentage of Total Personal Income from Transfer Payments in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	16.0	15.2	16.1	15.3	15.5	14.5	14.3	14.8	14.3	14.4	14.8
Johnson	8.7	8.7	8.8	8.7	8.6	8.2	8.2	8.4	8.4	8.4	8.4
Jones	17.0	15.9	17.0	16.0	15.9	14.8	14.7	15.6	14.9	15.8	15.6
Keokuk	23.6	21.2	22.8	21.4	20.6	19.3	18.6	20.1	17.0	18.3	18.1
Kossuth	18.9	17.2	20.7	17.2	18.7	15.9	14.7	14.7	14.1	13.8	14.4
Lee	19.5	19.2	20.1	19.3	18.6	17.4	17.7	17.6	17.3	17.1	16.6
Linn	12.1	12.1	12.3	12.4	12.1	11.6	11.2	11.4	11.5	12.0	11.9
Louisa	16.4	15.3	17.5	15.8	16.1	14.5	14.6	15.0	14.1	14.5	14.9
Lucas	24.6	21.8	22.4	21.4	21.4	20.3	19.7	20.2	19.9	20.4	21.4
Lyon	18.0	15.8	18.1	16.0	16.4	15.3	14.2	15.2	14.0	14.2	13.7
Madison	17.3	16.3	17.7	16.6	16.4	15.6	15.1	16.2	15.7	16.2	16.5
Mahaska	19.0	18.3	19.3	18.7	18.8	17.4	17.2	17.4	16.2	16.5	16.6
Marion	16.5	16.2	16.8	16.6	16.4	15.4	15.1	15.2	14.7	15.4	15.6
Marshall	17.1	16.7	17.1	16.3	15.8	15.0	14.6	15.3	14.9	15.1	14.8
Mills	30.1	30.2	33.1	31.7	31.5	30.6	29.5	29.5	27.4	23.7	21.6
Mitchell	17.2	16.9	19.2	16.8	16.4	14.6	15.1	15.9	14.3	14.6	15.1
Monona	28.7	25.1	28.4	24.9	27.1	24.5	22.2	22.5	22.5	21.1	20.7
Monroe	24.5	22.8	23.5	22.3	22.5	21.2	21.6	22.8	21.8	23.8	23.4
Montgomery	23.4	21.4	22.6	20.4	19.9	19.1	18.4	19.3	19.2	19.0	19.3
Muscatine	13.3	13.0	13.1	13.2	13.3	12.7	12.7	12.5	12.3	12.8	12.6
O'Brien	19.0	18.2	19.9	18.0	17.0	15.9	15.4	14.7	14.9	15.0	14.7
Osceola	17.6	16.8	20.9	17.7	16.7	15.9	16.5	15.9	15.6	16.1	16.5
Page	20.7	19.6	20.6	19.7	19.9	18.8	18.4	19.5	18.8	18.0	18.7
Palo Alto	22.4	20.9	25.3	20.0	22.4	18.5	18.3	17.9	16.7	16.9	16.5
Plymouth	15.1	14.7	14.9	14.1	13.9	13.3	13.3	14.3	13.2	13.9	13.5
Pocahontas	22.2	20.2	24.5	19.6	20.9	19.2	16.8	17.3	16.9	15.3	14.5
Polk	11.8	11.9	12.1	12.0	11.9	11.5	11.3	11.5	11.9	12.4	12.5
Pottawattamie	18.8	18.7	19.1	18.6	18.2	17.7	17.3	16.5	16.0	16.4	16.5
Poweshiek	15.7	15.2	15.7	15.0	14.4	13.5	13.5	13.7	13.1	13.9	14.5
Ringgold	30.8	25.2	28.2	25.8	25.7	23.9	20.8	23.3	20.7	20.1	22.5
Sac	22.6	20.8	22.7	20.1	21.0	19.2	18.7	18.4	17.1	16.2	17.1
Scott	15.2	15.1	15.3	14.7	14.2	13.8	13.6	13.6	13.2	13.6	13.4
Shelby	20.8	19.5	20.6	17.7	16.7	15.6	15.7	16.0	15.4	15.8	14.7
Sioux	14.1	13.7	14.7	13.7	13.5	12.7	12.7	13.0	12.8	13.1	12.1
Story	11.9	11.7	12.0	11.6	11.8	11.4	11.1	11.3	11.2	11.1	10.9
Tama	18.3	17.6	19.2	18.4	18.3	16.6	16.3	16.2	15.4	15.8	15.6
Taylor	28.0	24.6	28.1	24.7	25.3	24.5	23.5	24.6	21.4	21.0	21.3
Union	23.3	21.5	22.8	21.5	21.1	20.1	19.8	20.1	20.0	20.4	20.6
Van Buren	26.1	23.4	24.7	22.7	23.1	21.7	22.6	23.0	20.8	21.3	21.4
Wapello	23.4	22.6	23.5	23.2	21.9	20.8	20.9	21.8	21.8	22.6	21.7
Warren	13.1	12.8	13.3	12.8	12.6	11.9	11.8	11.9	11.8	12.2	12.0
Washington	16.6	15.7	16.8	16.0	15.8	15.0	15.1	15.4	14.0	14.3	13.5
Wayne	30.8	26.5	29.6	27.7	26.2	24.4	23.6	24.2	22.0	22.5	24.1
Webster	20.0	19.8	21.4	19.9	19.9	19.3	18.4	18.7	18.1	17.9	18.1
Winnebago	17.6	16.6	18.6	16.7	18.0	15.5	14.9	13.8	13.8	13.9	13.8
Winneshiek	15.6	15.2	16.1	14.7	14.6	13.6	13.8	14.7	13.6	14.3	14.7
Woodbury	16.2	16.4	16.9	16.9	17.6	16.6	16.3	16.5	16.3	17.1	16.9
Worth	18.2	17.8	22.3	19.2	19.6	17.2	16.7	16.8	15.9	16.3	16.2
Wright	20.9	20.4	23.9	20.6	20.9	18.7	16.8	17.6	17.2	16.9	16.7
State of Iowa	16.0	15.7	16.5	15.8	15.7	14.9	14.6	14.9	14.5	14.9	14.9

nonfarm earnings increased each year from 1985 to 1995; the gain was 74.3 percent during this period. All counties reported increases as well. Nonfarm earnings tend to follow the distribution of population; counties with greater numbers of residents generally have higher nonfarm earnings. Polk's nonfarm earnings of \$6.6 billion is more than twice that of Linn's \$3.1 billion; Black Hawk, Dubuque, Johnson, Pottawattamie, Scott, Story, and Woodbury also reported earnings in this category of at least \$1 billion in 1995. Adams, Ringgold, Taylor, and Wayne were the only counties with nonfarm earnings of less than \$50 million in 1995, although another 21 were under \$100 million that year.

Although the state had an inflation-adjusted increase in nonfarm earnings of \$7.4 billion (24.4%) from 1985 to 1995, five counties had lower nonfarm earnings in the later year after inflation is factored into the calculations (Table 4). The decrease of \$10.5 million in Lucas far surpassed drops of \$3.6 million in Decatur, \$2.7 million in Fremont, \$140,000 in Wayne, and \$61,000 in Keokuk. In the remaining 94 counties, changes in nonfarm earnings exceeded the rate of inflation. Polk's increase of \$1.9 billion was followed by a \$791 million gain in Linn. Eight others reported at least \$100 million more in adjusted nonfarm earnings in 1995 than in 1985. Inflation-adjusted changes in nonfarm earnings across counties range from a decline of 12.1 percent in Lucas to a gain of 56.2 percent in Dickinson when 1985 and 1995 are compared.

In 1985, nonfarm earnings accounted for 58.3 percent of total personal income in Iowa. This percentage increased somewhat between that year and 1995, when the figure was 63.3 percent (Table 5). Substantial differences occurred across counties, however. In 1995, for example, more than 70 percent of total income was derived from nonfarm earnings in Johnson, Linn, Polk, and Warren counties, while this source of income accounted for less than half of the total in 19 counties.

### **Farm Earnings**

Iowa's farm earnings totaled \$1.2 billion in 1995 (Table 6). Farm earnings declined in 5 of the 10 year-to-year comparisons. Although farm earnings dropped \$573 million between 1990 and 1991, they rebounded by \$789 million between 1991 and 1992 only to decline again by nearly \$1.7 billion between 1992 and 1993, a year when flooding greatly affected farms. That was followed by the best year for farm income in the 11 years examined. But in 1995, farm earnings dropped to \$1.2 billion, which was higher than only 1993 in the 1985-1995 period.

Farm earnings were negative in 23 counties in 1993 (earnings can be negative because losses can exceed gains in a particular year). That didn't occur in any county in 1994, although it happened in 21 counties in 1995. Inflation-adjusted farm earnings (Table 7) also show significant year-to-year variations. The adjusted figure was highest in 1987 (\$3.2 billion).

Farm earnings constituted a relatively small percentage of Iowa's total personal income in the 1985-1995 period (Table 8). The 6.1 percent reported for 1987 was the highest. In 1995, farm earnings accounted for 2.1 percent of total income in the state. Earnings from farms were at least 10.0 percent of total income in 10 counties that year, with Osceola the highest at 15.7 percent.

### **Dividends, Interest, and Rent**

Income from dividends, interest, and rent increased from 1985 to 1986, declined from 1986 to 1987, and increased since then to 1995's figure of \$11.1 billion (Table 9). Over the period, income from this source increased by nearly \$3.0 billion. In 1995, dividends, interest, and rent provided income exceeding \$1.4 billion in Polk and more than \$500 million in Linn and Scott. It was at least \$100 million in another 20 counties.

After adjustments are made for inflation, income from dividends, interest, and rent was half a billion lower in 1995 than 10 years earlier (Table 10). The percentage that income from this source constituted of total personal income declined during this period. In 1985, 22.3 percent of total personal income came from dividends, interest, and rent (Table 11). Percentages decreased relatively steadily from that point to 18.6 percent in 1995.

Again, differences occur across counties. Dividends, interest, and rent accounted for at least 25.0 percent of total personal income in 11 counties. In Mills, Pottawattamie, and Warren, however, less than 15.0 percent of total income came from dividends, interest, and rent in 1995.

### **Transfer Payments**

The final category of income includes transfer payments, which increased annually from \$5.5 billion in 1985 to \$9.5 billion 10 years later (Table 12). Twenty-two counties listed at least \$100 million in transfer payments in 1995, although only Polk reported a total greater than \$1 billion. Adams (\$18 million) was the only county with less than \$20 million in transfer payments.

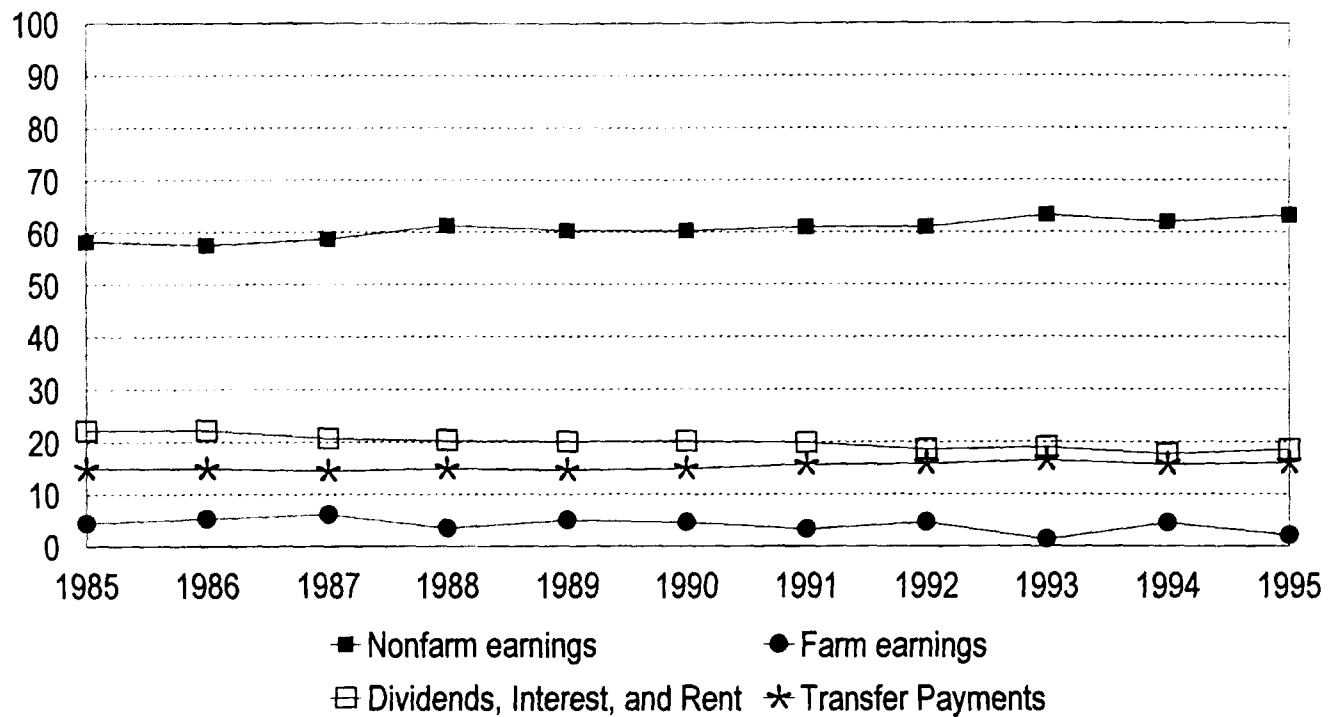
Substantial gains occurred among transfer payments even after controlling for inflation (Table 13). These payments increased 23.9 percent from 1985 to 1995, with annual gains occurring from 1987 to 1995. The percentage of total personal income that comes from transfer payments also has increased (Table 14). The 1985 figure of 14.9 percent increased to 16.0 percent in 1995.

Only in Johnson (8.7%) did less than 10 percent of total personal income come from transfer payments in 1995. Mills, Ringgold, and Wayne were the only counties with at least 30 percent of income generated by this source. Caution is urged in interpreting these and all numbers and percentages in this report, of course; the location of a state institution in Mills could have influenced these results, for example.

### **Concluding Comments**

In 1995, 63.3 percent of total personal income came from nonfarm earnings; 2.1 percent from farm earnings; 18.6 percent from dividends, interest, and rent; and 16.0 percent from transfer payments (Figure 1). The percentages for 1985 were 58.3, 4.5, 22.3, 14.9, respectively. While three of these categories had increases, the percentage of income derived from farm earnings declined.

Figure 1. Percent of income from selected sources, 1985-1995.



## Government Payments to Individuals in Iowa's Counties:

### 1985-1995

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The Bureau of Economic Analysis of the U.S. Department of Commerce reports annually on income received from a variety of sources. In this section, detailed information is provided on what usually are referred to as transfer payments. These are government payments to individuals. A major portion of these transfer payments come through Old Age, Survivors, and Disability Insurance (OASDI), or what is more commonly known as Social Security (Table 1). Railroad retirement and disability payments, federal civilian employee retirement payments, military retirement payments, state and local government employment retirement payments, and federal and state workers' compensation payments also are available to selected residents; these are labeled other retirement and disability payments in the table. The Bureau of Economic Analysis reports Medicare as a separate category; public assistance medical care and other medical payments also are reported. Income maintenance benefit payments include supplemental security income payments, aid to families with dependent children, food stamps, and other smaller programs. Unemployment insurance benefit payments include state unemployment insurance compensation and unemployment compensation for federal civilian employees, railroad employees, and veterans. Another general category includes veterans benefit payments, which consists of pensions and compensation payments for veterans, life insurance benefit payments for veterans, and educational assistance to veterans, dependents, and survivors. The final category reported in Table 1 includes transfer payments not noted elsewhere, with nearly all for education and training assistance payments.

#### Total Transfer Payments

Transfer payments totaled nearly \$9.1 billion in 1995 (Table 1), up from \$8.5 billion in 1994 (Table 2), \$6.6 billion in 1990 (Table 6), and \$5.1 billion in 1985 (Table 7). When inflation is taken into account, however, the increases are less substantial. The increase from 1985 to 1995 in unadjusted dollars was \$3.9 billion (76.3%); after including inflation, the increase was \$1.9 billion (25.8%).

Total transfer payments generally were correlated with population size, with counties with larger numbers of residents receiving substantially greater amounts than those with smaller populations. Polk, for example, reported \$1.0 billion in government payments to individuals in 1995, while the total in Adams was \$17 million; these counties have the highest and lowest populations in the state. Eighteen other counties had at least \$100 million in transfer payments in 1995, with Black Hawk, Linn, and Scott in the \$400-\$499 million range. Totals in 42 counties plus Adams were below \$50 million, although Audubon, Ida, Osceola, and Ringgold, were the only ones joining Adams with less than \$25 million received through transfer payments in 1995.

#### Retirement and Disability Payments

More than half (57.3%) of total government payments to individuals in Iowa arrived through retirement and disability payments, with OASDI (Social Security) alone accounting for 46.8 percent of the total in 1995 (Table 1). In 1985, 60.7 percent of the total transfer payments came from the two categories of retirement and disability payments; in that year, half (50.3%) of the total came from OASDI alone (Table 7).

At least \$100 million in OASDI payments were received in Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury counties in 1995. On the other hand, 23 counties reported payments of less than \$20 million, although Adams was the only one of these below \$10 million.

Table 1. Government Payments (in \$1,000s) to Individuals in Iowa Counties, 1995.

County	Total	OASDI*	Other Retirement/ Disability Payments	Medicare	Other Medical Payments	Income Maintenance Benefit Payments	Unemployment Insurance Benefit Payments	Veterans Benefit Payments	Other Payments
Adair	27352	14288	1955	5015	3233	1843	440	482	86
Adams	17426	8890	1497	3348	1882	1322	148	286	0
Allamakee	44150	23895	3151	6685	5347	2761	1247	897	149
Appanoose	56344	23857	7154	9497	6926	6201	1048	1501	143
Audubon	24480	12307	1414	5139	3557	1133	435	414	72
Benton	67005	34334	6290	12556	6607	3996	1494	1445	253
Black Hawk	422510	182924	33820	72502	67712	40592	7802	7671	9487
Boone	114899	42065	11790	13814	39314	4636	1177	1805	266
Bremer	67509	35286	5469	13532	6939	3101	1013	1177	963
Buchanan	63041	31416	4678	11752	8277	4462	1152	1055	223
Buena Vista	68025	36485	4419	12440	7622	2987	772	1300	1975
Butler	56201	28496	3399	11406	8026	2601	1296	791	166
Calhoun	44185	23853	2756	8711	5370	1993	528	840	120
Carroll	71174	37138	5090	12816	10033	3286	1389	1169	226
Cass	59583	30825	3827	11689	7272	3579	1176	1037	159
Cedar	47564	24163	4732	9205	5075	2554	802	825	186
Cerro Gordo	168809	84331	14987	28715	20849	9892	3320	3356	3359
Cherokee	50426	26581	3688	8652	7584	2268	634	858	144
Chickasaw	40277	20666	3161	7881	4299	2146	1213	755	140
Clarke	29555	13963	2209	5135	4380	2445	697	631	85
Clay	57006	29018	5105	9291	7606	3216	870	1220	659
Clayton	61670	30464	5077	11413	7447	3405	2492	1150	198
Clinton	182368	83920	18521	33136	24403	13956	4630	3013	789
Crawford	57604	26349	4026	10706	10476	3766	1165	922	174
Dallas	95021	48515	12082	16806	9016	4547	1550	2120	344
Davis	28292	13543	2377	4713	3932	2463	608	557	88
Decatur	30125	13028	2107	4474	5327	3003	715	636	825
Delaware	46001	23115	3705	7799	5535	3314	1416	900	194
Des Moines	149684	67702	18152	26495	16981	11667	4382	2871	1434
Dickinson	57258	34202	4811	9616	4349	2113	968	1014	165
Dubuque	259337	127452	22207	49232	30616	15160	6286	5013	3371
Emmet	46190	21849	3405	7995	7946	2257	720	987	1017
Fayette	74041	34440	7368	13672	10130	4642	1589	1441	731
Floyd	64196	31796	3777	12077	9287	3896	1666	1501	175
Franklin	37152	20280	2665	6371	4309	2032	675	689	117
Fremont	31138	13174	2519	6623	5212	2359	532	624	85
Greene	40894	23582	2718	6516	3877	2349	926	807	106
Grundy	34840	19278	3373	7422	2123	1217	643	641	128
Guthrie	41250	21553	3043	7412	5407	2374	616	712	119
Hamilton	55194	27424	4624	11522	5969	2963	1503	999	170
Hancock	40677	23448	2593	6970	4133	1718	617	618	565
Hardin	72243	36645	4979	13415	9654	3909	1317	1060	1240
Harrison	58249	23987	5833	10892	11751	3621	923	1063	160
Henry	57851	29768	5275	9516	6958	3470	1323	868	648
Howard	31760	16421	1986	6226	4076	1713	633	589	104
Humboldt	40333	22707	2590	7340	4627	1837	448	663	108
Ida	24025	12506	2171	5044	2213	1320	311	365	85
Iowa	42669	22063	3658	8238	5070	1808	812	841	160
Jackson	66731	31990	6760	12848	7390	4498	1881	1127	212
Jasper	114558	61080	9183	20415	13266	5893	2466	1837	369

\*OASDI: Old-Age, Survivors, and Disability Insurance Payments (usually called Social Security)



Table 1. Government Payments (in \$1,000s) to Individuals in Iowa Counties, 1995 (continued).

County	Total	OASDI*	Other Retirement/ Disability Payments	Medicare	Other Medical Payments	Income Maintenance Benefit Payments	Unemployment Insurance Benefit Payments	Veterans Benefit Payments	Other Payments
Jefferson	47504	22532	4188	7983	6634	3683	1212	783	468
Johnson	185253	80427	30263	27140	18387	11816	3675	4862	8683
Jones	50479	24890	4253	9508	5908	3299	1256	1127	213
Keokuk	42634	21752	2645	8619	4837	2925	911	809	121
Kossuth	58655	32561	3749	10290	6602	3222	901	1116	191
Lee	138379	60934	15165	26308	18686	10396	3546	2746	598
Linn	498199	240170	57607	76653	64908	31464	10542	9874	6981
Louisa	31369	14280	3244	5119	4361	2742	800	685	123
Lucas	33790	14716	3692	6129	4353	3239	747	808	95
Lyon	33950	18626	2126	6211	4125	1677	323	723	124
Madison	40871	18832	3754	8312	5776	2095	1094	850	141
Mahaska	71321	34887	6176	12001	8743	5422	1329	1567	1168
Marion	99472	45959	15726	16169	9417	5402	1729	3334	1697
Marshall	135772	64682	11498	20300	20008	8783	2196	6997	1308
Mills	83142	18226	6371	8732	45093	3090	388	1081	144
Mitchell	38025	21579	2586	7770	3362	1485	600	512	117
Monona	45468	21657	3236	9905	6510	2630	503	910	104
Monroe	33617	13286	4205	6877	5075	2428	608	1043	85
Montgomery	52450	26706	3696	10261	7229	2861	789	768	125
Muscatine	117709	59977	11612	17745	14017	9752	2272	1843	491
O'Brien	54941	30573	3224	10256	6389	2467	689	937	387
Osceola	22126	13211	1419	4405	1108	1071	355	474	74
Page	64401	32125	5019	11728	8980	4273	905	1169	176
Palo Alto	40260	22407	2460	7393	4594	2085	484	717	107
Plymouth	67339	38690	5603	12317	4512	2914	1318	1182	773
Pocahontas	35657	19048	2246	7321	4145	1657	476	657	96
Polk	1025050	435323	138018	168132	141968	82816	20190	26191	12412
Pottawattamie	288002	112375	50252	48711	40342	24169	2810	6306	3037
Poweshiek	57499	29223	5290	11178	5526	3222	1233	1214	589
Ringgold	21707	10750	1683	3751	2964	1761	288	447	57
Sac	46023	25173	2815	8198	4780	1986	2095	835	126
Scott	497764	195158	88677	67446	72183	50588	8800	8440	6472
Shelby	47580	25037	2672	11040	4718	2424	820	716	137
Sioux	76084	41384	5163	14286	7617	3181	1194	1223	1997
Story	172356	73865	25719	28857	16303	8265	2387	3733	13227
Tama	59361	31307	4535	10916	7369	3065	1014	854	301
Taylor	25134	12465	1865	4877	2753	1959	520	611	75
Union	47695	20966	5680	8184	6608	4039	849	787	567
Van Buren	28653	14978	2049	5503	2900	2057	551	524	81
Wapello	146824	63018	16100	26264	20069	13480	2892	3608	1393
Warren	96064	45226	12690	15042	12720	5047	1793	2480	1066
Washington	63418	31804	5107	11950	8619	3621	1166	910	215
Wayne	29216	13444	2490	6211	3467	2399	445	679	72
Webster	159994	76475	13305	28372	22428	11428	2857	2744	2385
Winnebago	40831	23205	2964	7346	4605	1579	374	619	124
Winneshiek	57284	30172	4879	9475	5794	2758	1323	1018	1839
Woodbury	337858	147791	36981	57275	53078	25571	5392	6824	4946
Worth	25888	13081	2791	4991	2559	1193	691	490	82
Wright	57237	30583	4632	10768	6490	2690	1047	857	152
State of Iowa	9069177	4242598	954296	1558910	1229009	616460	172845	184827	110232

Table 2. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1994.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$
Adair	25678	26406	13700	14088	1817	1869	4563	4692	3093	3181	1588	1633	378	389	472	485	59	61
Adams	16444	16910	8525	8767	1368	1407	3046	3132	1785	1836	1259	1295	150	154	274	282	0	0
Allamakee	41020	42183	22915	23565	2995	3080	6082	6254	4625	4756	2353	2420	1104	1135	833	857	100	103
Appanoose	52996	54499	22879	23528	6884	7079	8640	8885	6349	6529	5629	5789	999	1027	1505	1548	98	101
Audubon	22740	23385	11800	12135	1326	1364	4675	4808	3065	3152	1045	1075	348	358	425	437	0	0
Benton	63776	65584	32926	33860	5856	6022	11423	11747	6825	7019	3885	3995	1352	1390	1319	1356	168	173
Black Hawk	398866	410175	175444	180419	31529	32423	65960	67830	62322	64089	38739	39837	7994	8221	6916	7112	9962	10244
Boone	122838	126321	40339	41483	11258	11577	12568	12924	50723	52161	4641	4773	1243	1278	1863	1916	179	184
Bremer	63238	65031	33834	34793	5044	5187	12311	12660	5964	6133	2970	3054	993	1021	1135	1167	966	993
Buchanan	58851	60520	30125	30979	4486	4613	10692	10995	7028	7227	4217	4337	1145	1177	987	1015	151	155
Buena Vista	64729	66564	34986	35978	4180	4299	11318	11639	7304	7511	2751	2829	829	853	1234	1269	2109	2169
Butler	52343	53827	27324	28099	3124	3213	10377	10671	6884	7079	2396	2464	1329	1367	782	804	112	115
Calhoun	41519	42696	22870	23518	2627	2701	7925	8150	4834	4971	1863	1916	505	519	802	825	82	84
Carroll	66685	68576	35609	36619	4737	4871	11660	11991	9048	9305	3145	3234	1143	1175	1171	1204	152	156
Cass	55561	57136	29560	30398	3560	3661	10635	10937	6216	6392	3297	3390	1134	1166	1037	1066	108	111
Cedar	44631	45896	23168	23825	4445	4571	8374	8611	4589	4719	2355	2422	808	831	750	771	125	129
Cerro Gordo	161241	165813	80872	83165	14153	14554	26124	26865	19425	19976	9856	10135	4000	4113	3303	3397	3465	3563
Cherokee	45796	47095	25489	26212	3447	3545	7872	8095	5418	5572	1985	2041	606	623	866	891	100	103
Chickasaw	37845	38918	19818	20380	2810	2890	7170	7373	3930	4041	2073	2132	1255	1291	681	700	95	98
Clarke	27291	28065	13389	13769	2018	2075	4672	4804	3504	3603	2267	2331	753	774	623	641	58	60
Clay	53110	54616	27825	28614	4825	4962	8452	8692	6337	6517	2974	3058	840	864	1183	1217	657	676
Clayton	56901	58514	29217	30045	4745	4880	10384	10678	5763	5926	3040	3126	2397	2465	1203	1237	134	138
Clinton	170491	175325	80482	82764	17458	17953	30146	31001	21250	21853	13507	13890	4100	4216	2926	3009	622	640
Crawford	54275	55814	25268	25984	3778	3885	9740	10016	9939	10221	3341	3436	1136	1168	941	968	117	120
Dallas	89372	91906	46524	47843	11334	11655	15289	15723	8068	8297	4179	4297	1645	1692	2077	2136	227	233
Davis	26409	27158	12988	13356	2285	2350	4288	4410	3319	3413	2260	2324	589	606	612	629	60	62
Decatur	28790	29606	12494	12848	2052	2110	4070	4185	5231	5379	2836	2916	585	602	632	650	883	908
Delaware	42980	44199	22166	22794	3539	3639	7095	7296	4855	4993	2839	2919	1447	1488	892	917	130	134
Des Moines	141124	145125	64929	66770	17299	17789	24104	24787	15015	15441	11488	11814	4352	4475	2554	2626	1338	1376
Dickinson	54667	56217	32797	33727	4487	4614	8748	8996	4469	4596	1963	2019	1092	1123	986	1014	111	114
Dubuque	242771	249655	122226	125692	20655	21241	44790	46060	26712	27469	14562	14975	6036	6207	4481	4608	3309	3403
Emmet	41631	42811	20952	21546	3203	3294	7274	7480	5260	5409	2123	2183	738	759	986	1014	1084	1115
Fayette	69297	71262	33025	33961	7128	7330	12438	12791	8715	8962	4573	4703	1369	1408	1311	1348	717	737

Table 2. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1994 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$
Floyd	61229	62965	30486	31350	3562	3663	10987	11299	8370	8607	3698	3803	2598	2672	1394	1434	119	122
Franklin	34980	35972	19444	19995	2572	2645	5797	5961	3674	3778	2010	2067	706	726	688	708	79	81
Fremont	28717	29531	12632	12990	2484	2554	6026	6197	4210	4329	2159	2220	552	568	588	605	59	61
Greene	37892	38966	22612	23253	2547	2619	5928	6096	3034	3120	2059	2117	888	913	742	763	72	74
Grundy	32027	32935	18485	19009	3190	3280	6752	6943	1397	1437	1015	1044	492	506	598	615	87	89
Guthrie	38492	39583	20665	21251	2906	2988	6743	6934	4479	4606	2252	2316	661	680	695	715	80	82
Hamilton	51855	53325	26298	27044	4322	4445	10482	10779	5491	5647	3077	3164	1079	1110	977	1005	114	117
Hancock	38497	39589	22485	23123	2451	2520	6341	6521	3718	3823	1749	1799	581	597	586	603	575	591
Hardin	66995	68895	35138	36134	4625	4756	12205	12551	7676	7894	3922	4033	1018	1047	1098	1129	1296	1333
Harrison	51824	53293	23000	23652	5553	5710	9909	10190	7923	8148	3312	3406	905	931	1101	1132	107	110
Henry	54426	55969	28544	29353	4959	5100	8657	8902	6103	6276	3415	3512	1274	1310	826	849	630	648
Howard	30482	31346	15747	16193	2037	2095	5664	5825	4189	4308	1655	1702	562	578	547	563	71	73
Humboldt	38797	39897	21773	22390	2476	2546	6678	6867	4736	4870	1847	1899	524	539	679	698	74	76
Ida	22145	22773	11991	12331	1971	2027	4589	4719	1808	1859	1101	1132	265	273	354	364	58	60
Iowa	38916	40019	21157	21757	3359	3454	7495	7708	3634	3737	1747	1797	649	667	755	776	106	109
Jackson	62827	64608	30675	31545	6392	6573	11689	12020	6841	7035	4300	4422	1661	1708	1106	1137	144	148
Jasper	107912	110972	58572	60233	8500	8741	18573	19100	12267	12615	5620	5779	2273	2337	1820	1872	250	257
Jefferson	44116	45367	21607	22220	3888	3998	7263	7469	5260	5409	3476	3575	1419	1459	744	765	444	457
Johnson	175233	180202	77136	79323	28348	29152	24691	25391	17645	18145	11034	11347	3319	3413	3899	4010	9161	9421
Jones	46361	47676	23866	24543	3914	4025	8650	8895	4601	4731	2949	3033	1125	1157	1097	1128	141	145
Keokuk	40276	41418	20860	21451	2580	2653	7842	8064	4496	4623	2749	2827	819	842	837	861	82	84
Kossuth	55194	56759	31221	32106	3718	3823	9361	9626	5809	5974	2911	2994	864	888	1164	1197	129	133
Lee	130497	134197	58429	60086	14557	14970	23934	24613	16333	16796	10467	10764	3630	3733	2679	2755	427	439
Linn	468772	482064	230317	236847	53498	55015	69737	71714	56736	58345	32074	32983	10705	11009	8851	9102	6854	7048
Louisa	29307	30138	13693	14081	2939	3022	4658	4790	3952	4064	2555	2627	755	776	661	680	83	85
Lucas	32054	32963	14112	14512	3533	3633	5576	5734	4508	4636	2761	2839	709	729	782	804	65	67
Lyon	30980	31858	17858	18364	2064	2123	5651	5811	2866	2947	1449	1490	280	288	717	737	84	86
Madison	37290	38347	18060	18572	3500	3599	7562	7776	4226	4346	2020	2077	1028	1057	790	812	92	95
Mahaska	68158	70091	33453	34402	5771	5935	10918	11228	8811	9061	5319	5470	1117	1149	1546	1590	1202	1236
Marion	93626	96281	44076	45326	15109	15537	14710	15127	8178	8410	5093	5237	1548	1592	3137	3226	1747	1797
Marshall	126371	129954	62028	63787	10797	11103	18469	18993	16460	16927	8711	8958	1884	1937	6762	6954	1219	1254
Mills	83142	85499	17479	17975	6095	6268	7944	8169	47154	48491	2932	3015	393	404	1036	1065	96	99
Mitchell	36367	37398	20692	21279	2481	2551	7069	7269	3475	3574	1378	1417	691	711	492	506	79	81

Table 2. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1994 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$	1994\$	1995\$
Monona	42527	43733	20767	21356	3213	3304	9012	9268	5635	5795	2431	2500	486	500	901	927	72	74
Monroe	31437	32328	12741	13102	4174	4292	6256	6433	4473	4600	2227	2290	503	517	998	1026	58	60
Montgomery	47895	49253	25612	26338	3503	3602	9335	9600	5245	5394	2596	2670	774	796	734	755	85	87
Muscatine	109760	112872	57521	59152	10859	11167	16144	16602	11345	11667	9436	9704	2352	2419	1765	1815	294	302
O'Brien	50945	52389	29319	30150	3104	3192	9331	9596	5084	5228	2194	2256	627	645	911	937	361	371
Osceola	21092	21690	12667	13026	1343	1381	4007	4121	1355	1393	916	942	309	318	438	450	50	51
Page	59648	61339	30805	31678	4894	5033	10670	10973	7129	7331	4070	4185	887	912	1054	1084	119	122
Palo Alto	38102	39182	21488	22097	2237	2300	6726	6917	4381	4505	2031	2089	490	504	665	684	74	76
Plymouth	64963	66805	37101	38153	5277	5427	11206	11524	5929	6097	2643	2718	929	955	1106	1137	750	771
Pocahontas	33835	34794	18266	18784	2099	2159	6660	6849	4233	4353	1554	1598	333	342	616	633	66	68
Polk	967557	994991	417489	429327	129406	133075	152965	157302	129031	132690	81882	84204	20423	21002	24325	25015	12036	12377
Pottawattamie	272361	280084	107783	110839	49137	50530	44316	45573	35777	36791	23661	24332	2950	3034	5777	5941	2960	3044
Poweshiek	53971	55501	28022	28817	4768	4903	10169	10457	5009	5151	3092	3180	1195	1229	1129	1161	569	585
Ringgold	20553	21136	10309	10601	1676	1724	3412	3509	2845	2926	1542	1586	264	271	462	475	0	0
Sac	43166	44390	24137	24821	2648	2723	7458	7669	4247	4367	1854	1907	1934	1989	790	812	87	89
Scott	466289	479510	187166	192473	85113	87526	61360	63100	60364	62076	49129	50522	9446	9714	7305	7512	6406	6588
Shelby	44355	45613	24004	24685	2595	2669	10044	10329	3925	4036	2021	2078	926	952	735	756	93	96
Sioux	71071	73086	39683	40808	4783	4919	12997	13366	6429	6611	2753	2831	1119	1151	1198	1232	2080	2139
Story	160749	165307	70830	72838	23794	24469	26254	26998	12872	13237	7385	7594	2378	2445	2950	3034	14286	14691
Tama	55212	56777	30019	30870	4232	4352	9931	10213	6022	6193	2971	3055	961	988	848	872	228	234
Taylor	23847	24523	11954	12293	1818	1870	4437	4563	2601	2675	1823	1875	560	576	597	614	50	51
Union	43643	44880	20109	20679	5398	5551	7446	7657	4757	4892	3679	3783	878	903	789	811	576	592
Van Buren	26856	27617	14362	14769	1891	1945	5006	5148	2716	2793	1833	1885	524	539	462	475	55	57
Wapello	136053	139911	60439	62153	15628	16071	23894	24571	15805	16253	12632	12990	2784	2863	3500	3599	1333	1371
Warren	89174	91702	43372	44602	11685	12016	13685	14073	10507	10805	4895	5034	1618	1664	2423	2492	948	975
Washington	58751	60417	30499	31364	4551	4680	10871	11179	7407	7617	3277	3370	1050	1080	933	959	144	148
Wayne	27360	28136	12891	13257	2328	2394	5651	5811	3372	3468	2002	2059	390	401	670	689	0	0
Webster	148997	153222	73340	75419	12503	12858	25812	26544	18766	19298	10788	11094	2716	2793	2609	2683	2422	2491
Winnebago	38425	39515	22249	22880	2726	2803	6683	6872	4198	4317	1618	1664	350	360	505	519	85	87
Winneshiek	54478	56023	28930	29750	4782	4918	8620	8864	5300	5450	2522	2594	1336	1374	1015	1044	1953	2008
Woodbury	317049	326039	141741	145760	35247	36246	52107	53584	45936	47238	25325	26043	5070	5214	6657	6846	4966	5107
Worth	24798	25501	12544	12900	2664	2740	4541	4670	2519	2590	1160	1193	835	859	472	485	56	58
Wright	52696	54190	29325	30156	4406	4531	9796	10074	4874	5012	2453	2523	884	909	843	867	102	105
State of Iowa	8529278	8771118	4068540	4183900	901632	927197	1418257	1458470	1098012	1129145	591210	607973	169649	174459	173692	178617	108286	111356

Table 3. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1993.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$
Adair	25004	26363	13526	14261	1645	1734	4427	4668	2869	3025	1421	1498	512	540	528	557	55	58
Adams	15123	15945	7968	8401	1260	1328	2607	2749	1638	1727	1135	1197	205	216	270	285	0	0
Allamakee	40627	42836	22236	23445	2787	2939	6150	6484	4900	5166	2126	2242	1478	1558	839	885	93	98
Appanoose	52490	55343	22871	24114	6794	7163	8112	8553	6425	6774	5348	5639	1271	1340	1561	1646	91	96
Audubon	22833	24074	11864	12509	1234	1301	4751	5009	3058	3224	968	1021	415	438	475	501	0	0
Benton	58535	61717	31521	33235	5252	5538	10072	10620	4830	5093	3601	3797	1754	1849	1307	1378	153	161
Black Hawk	375628	396047	169955	179194	28989	30565	61904	65269	48486	51122	36763	38761	12157	12818	7244	7638	10130	10681
Boone	115930	122232	39264	41398	10707	11289	12622	13308	45082	47533	4510	4755	1664	1754	1828	1927	253	267
Bremer	64708	68226	31914	33649	4516	4761	16995	17919	4912	5179	2616	2758	1683	1774	1070	1128	969	1022
Buchanan	56599	59676	29066	30646	4107	4330	10163	10715	6312	6655	4058	4279	1702	1795	1011	1066	139	147
Buena Vista	60418	63702	33977	35824	3851	4060	10046	10592	5199	5482	2697	2844	1123	1184	1349	1422	2134	2250
Butler	49959	52675	27051	28522	2719	2867	9162	9660	6152	6486	2129	2245	1743	1838	878	926	104	110
Calhoun	39778	41940	21744	22926	2527	2664	7197	7588	4884	5149	1697	1789	765	807	872	919	76	80
Carroll	63332	66775	34696	36582	4357	4594	10566	11140	7872	8300	2850	3005	1530	1613	1276	1345	142	150
Cass	52174	55010	28200	29733	3338	3519	8858	9340	5861	6180	3022	3186	1689	1781	1082	1141	100	105
Cedar	43433	45794	23040	24292	4012	4230	8285	8735	3835	4043	2149	2266	1179	1243	786	829	116	122
Cerro Gordo	155561	164017	78407	82669	13085	13796	23507	24785	18112	19097	9266	9770	6142	6476	3492	3682	3550	3743
Cherokee	43744	46122	24297	25618	3381	3565	7143	7531	5385	5678	1753	1848	732	772	940	991	92	97
Chickasaw	36967	38977	19642	20710	2438	2571	7301	7698	3080	3247	1867	1968	1767	1863	757	798	88	93
Clarke	27487	28981	13645	14387	1938	2043	4500	4745	3346	3528	2038	2149	1270	1339	680	717	54	57
Clay	49398	52083	25984	27397	4265	4497	7741	8162	5345	5636	3013	3177	1132	1194	1228	1295	657	693
Clayton	54906	57891	28056	29581	4352	4589	9477	9992	5545	5846	2938	3098	3038	3203	1335	1408	124	131
Clinton	162140	170954	77656	81877	16153	17031	27946	29465	18118	19103	12699	13389	5858	6176	3072	3239	638	673
Crawford	51105	53883	23969	25272	3511	3702	10234	10790	7554	7965	2890	3047	1805	1903	945	996	197	208
Dallas	85380	90021	45183	47639	9832	10366	14197	14969	7324	7722	4115	4339	2286	2410	2174	2292	269	284
Davis	25620	27013	12516	13196	2083	2196	4555	4803	2821	2974	2091	2205	803	847	683	720	55	58
Decatur	27751	29260	11818	12460	1941	2047	3839	4048	4965	5235	2612	2754	969	1022	690	728	893	942
Delaware	41963	44244	22139	23342	3185	3358	6538	6893	4203	4431	2750	2899	2025	2135	977	1030	120	127
Des Moines	136364	143777	62112	65488	16506	17403	23979	25283	11968	12619	11159	11766	6458	6809	2685	2831	1497	1578
Dickinson	53681	56599	33004	34798	4215	4444	8504	8966	3829	4037	1641	1730	1277	1346	1061	1119	102	108
Dubuque	235832	248652	118605	125052	18842	19866	41312	43558	25742	27141	14137	14905	9134	9631	4687	4942	3373	3556
Emmet	40055	42232	19479	20538	2944	3104	7213	7605	5404	5698	2004	2113	923	973	971	1024	1097	1157
Fayette	64993	68526	31163	32857	6779	7148	11168	11775	7252	7646	4306	4540	2103	2217	1476	1556	715	754

Table 3. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1993 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$
Floyd	57366	60484	28652	30210	3297	3476	9503	10020	8034	8471	3316	3496	3032	3197	1393	1469	111	117
Franklin	34409	36279	18942	19972	2332	2459	5865	6184	3684	3884	1771	1867	982	1035	744	784	74	78
Fremont	26434	27871	12274	12941	2398	2528	4650	4903	3352	3534	1930	2035	1089	1148	648	683	54	57
Greene	35474	37402	21254	22409	2403	2534	5057	5332	2855	3010	1808	1906	1198	1263	800	843	67	71
Grundy	31356	33061	17985	18963	2832	2986	6341	6686	1648	1738	1160	1223	661	697	635	670	79	83
Guthrie	38440	40530	20614	21735	2714	2862	6654	7016	4532	4778	2130	2246	942	993	747	788	74	78
Hamilton	50386	53125	25980	27392	3936	4150	9583	10104	5202	5485	2855	3010	1637	1726	1048	1105	106	112
Hancock	37245	39270	21336	22496	2215	2335	6398	6746	3425	3611	1683	1774	941	992	657	693	577	608
Hardin	65215	68760	34239	36100	4215	4444	11597	12227	6988	7368	3542	3735	1741	1836	1173	1237	1720	1814
Harrison	50601	53352	22241	23450	5156	5436	9896	10434	7488	7895	3232	3408	1282	1352	1126	1187	180	190
Henry	52651	55513	27326	28811	4559	4807	8455	8915	5887	6207	3140	3311	1771	1867	853	899	628	662
Howard	29458	31059	15401	16238	1769	1865	5760	6073	3585	3780	1527	1610	791	834	525	554	66	70
Humboldt	37730	39781	21327	22486	2207	2327	6686	7049	4223	4453	1720	1814	781	823	694	732	69	73
Ida	22061	23260	11655	12289	1774	1870	4195	4423	2646	2790	1021	1077	348	367	359	379	54	57
Iowa	38478	40570	20833	21965	3022	3186	7318	7716	3834	4042	1481	1562	1034	1090	815	859	99	104
Jackson	63568	67024	28503	30052	6080	6411	14606	15400	6834	7206	3979	4195	2238	2360	1167	1230	132	139
Jasper	103626	109259	55330	58338	7831	8257	17610	18567	11581	12211	5550	5852	3399	3584	2017	2127	308	325
Jefferson	41203	43443	20195	21293	3713	3915	5835	6152	5122	5400	3242	3418	1784	1881	851	897	441	465
Johnson	164242	173170	74159	78190	25387	26767	23402	24674	13335	14060	10103	10652	4621	4872	3840	4049	9395	9906
Jones	45935	48432	23595	24878	3476	3665	8724	9198	4242	4473	2837	2991	1724	1818	1163	1226	130	137
Keokuk	38665	40767	20803	21934	2535	2673	6301	6644	4157	4383	2657	2801	1202	1267	917	967	77	81
Kossuth	53434	56339	30516	32175	3549	3742	9026	9517	5134	5413	2724	2872	1101	1161	1240	1307	119	125
Lee	126843	133738	56651	59731	13819	14570	22576	23803	14093	14859	9946	10487	6310	6653	2919	3078	529	558
Linn	442855	466929	219116	231027	48147	50764	65971	69557	46559	49090	31231	32929	15682	16534	9206	9706	6943	7320
Louisa	30325	31973	13778	14527	2673	2818	5762	6075	3557	3750	2486	2621	1255	1323	685	722	129	136
Lucas	30363	32014	13790	14540	3360	3543	5072	5348	3747	3951	2398	2528	1111	1171	809	853	61	64
Lyon	29386	30983	17057	17984	1813	1912	5086	5362	2873	3029	1327	1399	428	451	687	724	79	83
Madison	36003	37960	17501	18452	3077	3244	6942	7319	4283	4516	1883	1985	1371	1446	840	886	85	90
Mahaska	65586	69151	32871	34658	5383	5676	9271	9775	8300	8751	5030	5303	1846	1946	1631	1720	1208	1274
Marion	88701	93523	41725	43993	14203	14975	13034	13743	7462	7868	4912	5179	2218	2339	3345	3527	1756	1851
Marshall	119225	125706	60378	63660	9657	10182	17567	18522	12111	12769	8444	8903	3177	3350	6596	6955	1295	1365
Mills	82376	86854	16272	17157	5614	5919	7143	7531	48998	51662	2541	2679	550	580	1146	1208	88	93
Mitchell	35071	36977	20250	21351	2268	2391	6336	6680	3506	3697	1243	1311	876	924	496	523	73	77

Table 3. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1993 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$	1993\$	1995\$
Monona	42484	44793	20734	21861	3128	3298	8741	9216	5748	6060	2307	2432	762	803	971	1024	66	70
Monroe	29743	31360	12684	13374	4027	4246	5321	5610	3681	3881	2110	2225	849	895	1010	1065	53	56
Montgomery	46481	49008	23910	25210	3274	3452	8714	9188	6096	6427	2479	2614	1090	1149	808	852	79	83
Muscatine	104417	110093	54411	57369	10141	10692	15309	16141	10279	10838	8713	9187	3387	3571	1824	1923	353	372
O'Brien	47436	50015	27725	29232	2856	3011	8038	8475	4440	4681	2137	2253	848	894	1017	1072	357	376
Osceola	20468	21581	12062	12718	1193	1258	3530	3722	1969	2076	833	878	411	433	411	433	0	0
Page	56783	59870	29239	30828	4580	4829	9870	10407	6750	7117	3806	4013	1273	1342	1109	1169	110	116
Palo Alto	36461	38443	20480	21593	2062	2174	5878	6198	4479	4722	2073	2186	697	735	697	735	69	73
Plymouth	61765	65123	35623	37559	4720	4977	10588	11164	5328	5618	2354	2482	1213	1279	1166	1229	744	784
Pocahontas	32321	34078	18243	19235	1910	2014	6064	6394	3438	3625	1412	1489	477	503	679	716	61	64
Polk	924403	974654	399060	420753	116995	123355	139469	147051	117012	123373	80302	84667	33312	35123	25579	26969	12674	13363
Pottawattamie	258247	272285	103364	108983	46720	49260	41409	43660	30410	32063	22965	24213	4347	4583	5996	6322	3036	3201
Poweshiek	50566	53315	26518	27960	4429	4670	8774	9251	4566	4814	2721	2869	1880	1982	1088	1147	566	597
Ringgold	19423	20479	9940	10480	1486	1567	2915	3073	2756	2906	1434	1512	357	376	472	498	0	0
Sac	41236	43478	22796	24035	2458	2592	6683	7046	4358	4595	1674	1765	2336	2463	838	884	79	83
Scott	452763	477376	178081	187762	79906	84250	62126	65503	57661	60795	46257	48772	14570	15362	7629	8044	6533	6888
Shelby	41440	43693	22428	23647	2325	2451	8566	9032	4139	4364	1878	1980	1218	1284	763	804	87	92
Sioux	68479	72202	38547	40642	4202	4430	11958	12608	6753	7120	2364	2493	1262	1331	1259	1327	2095	2209
Story	151346	159573	67813	71499	21666	22844	22769	24007	11300	11914	6818	7189	3325	3506	2860	3015	14795	15599
Tama	52687	55551	28586	30140	3897	4109	8648	9118	6003	6329	2907	3065	1396	1472	1011	1066	239	252
Taylor	23727	25017	11918	12566	1645	1734	4609	4860	2607	2749	1643	1732	551	581	665	701	0	0
Union	43071	45412	20063	21154	5133	5412	7051	7434	4742	5000	3479	3668	1103	1163	891	939	578	609
Van Buren	25376	26755	13581	14319	1667	1758	4986	5257	2108	2223	1741	1836	750	791	462	487	51	54
Wapello	131593	138746	59634	62876	14721	15521	22435	23655	13305	14028	12151	12812	4248	4479	3609	3805	1490	1571
Warren	85210	89842	40445	42644	11005	11603	12881	13581	9829	10363	4634	4886	2962	3123	2456	2590	998	1052
Washington	57765	60905	30567	32229	4097	4320	10724	11307	6634	6995	2969	3130	1532	1615	1083	1142	133	140
Wayne	26425	27861	12797	13493	2266	2389	4972	5242	3036	3201	1908	2012	678	715	713	752	0	0
Webster	144453	152306	71891	75799	11635	12267	22573	23800	18353	19351	10578	11153	4131	4356	2768	2918	2524	2661
Winnebago	37082	39098	21494	22662	2370	2499	6128	6461	4380	4618	1478	1558	591	623	544	574	78	82
Winneshiek	52412	55261	28110	29638	4264	4496	7651	8067	5204	5487	2246	2368	1963	2070	962	1014	1973	2080
Woodbury	306972	323659	138113	145621	33076	34874	49196	51870	42438	44745	25173	26541	6879	7253	7057	7441	5040	5314
Worth	25444	26827	12769	13463	2678	2824	4267	4499	2875	3031	1142	1204	1169	1233	480	506	52	55
Wright	51922	54745	28274	29811	4328	4563	10180	10733	4392	4631	2351	2479	1369	1443	913	963	94	99
State of Iowa	8184630	8629552	3921017	4134166	831819	877037	1332316	1404742	992654	1046615	562255	592820	250651	264277	181791	191673	112127	118222

Table 4. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1992.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$
Adair	22864	24786	12189	13214	1513	1640	4062	4404	2536	2749	1399	1517	522	566	559	606	77	83
Adams	14362	15570	7596	8235	1148	1245	2566	2782	1348	1461	1144	1240	237	257	276	299	0	0
Allamakee	38295	41515	20943	22704	2589	2807	5816	6305	4298	4659	2013	2182	1731	1877	763	827	130	141
Appanoose	49292	53437	21675	23497	6666	7226	6911	7492	5810	6299	5150	5583	1443	1564	1498	1624	127	138
Audubon	21657	23478	11120	12055	1104	1197	4605	4992	2772	3005	1008	1093	479	519	498	540	65	70
Benton	58256	63154	30799	33389	4991	5411	10502	11385	4998	5418	3592	3894	2013	2182	1133	1228	209	227
Black Hawk	356966	386981	162895	176592	27370	29671	59996	65041	43423	47074	34692	37609	13084	14184	6399	6937	9107	9873
Boone	108852	118005	36887	39989	10387	11260	12264	13295	41159	44620	4296	4657	1866	2023	1741	1887	232	252
Bremer	56082	60798	30584	33156	4247	4604	10901	11818	4268	4627	2356	2554	1859	2015	936	1015	912	989
Buchanan	53694	58209	27227	29516	3868	4193	9768	10589	5736	6218	4110	4456	1833	1987	942	1021	193	209
Buena Vista	58275	63175	33132	35918	3655	3962	9206	9980	5342	5791	2702	2929	1024	1110	1299	1408	1899	2059
Butler	47978	52012	26018	28206	2533	2746	8362	9065	5462	5921	2396	2597	2051	2223	814	882	342	371
Calhoun	37332	40471	20254	21957	2337	2534	6851	7427	4535	4916	1685	1827	679	736	875	949	107	116
Carroll	61013	66143	33932	36785	3984	4319	10907	11824	6840	7415	2557	2772	1411	1530	1167	1265	197	214
Cass	49917	54114	26848	29105	3051	3308	8311	9010	6032	6539	2822	3059	1692	1834	1009	1094	140	152
Cedar	41995	45526	21911	23753	3605	3908	7472	8100	4720	5117	2175	2358	1255	1361	680	737	163	177
Cerro Gordo	148294	160763	74711	80993	12310	13345	22259	24131	17192	18638	8737	9472	6708	7272	3177	3444	3162	3428
Cherokee	41509	44999	24253	26292	3354	3636	6471	7015	3843	4166	1794	1945	790	856	862	934	130	141
Chickasaw	34191	37066	17934	19442	2205	2390	6496	7042	3029	3284	1746	1893	1874	2032	773	838	123	133
Clarke	25147	27261	12639	13702	1920	2081	4020	4358	2919	3164	1878	2036	1053	1142	635	688	76	82
Clay	46773	50706	24621	26691	3994	4330	7096	7693	4903	5315	3234	3506	1116	1210	1168	1266	627	680
Clayton	53242	57719	26974	29242	4179	4530	9184	9956	5445	5903	2900	3144	3196	3465	1176	1275	173	188
Clinton	155106	168148	75893	82274	15105	16375	24635	26706	16994	18423	12146	13167	6730	7296	2904	3148	653	708
Crawford	47533	51530	23114	25057	3331	3611	8602	9325	6927	7509	2791	3026	1646	1784	955	1035	154	167
Dallas	80817	87612	42617	46200	9099	9864	13374	14499	6791	7362	4183	4535	2622	2842	1823	1976	283	307
Davis	24139	26169	11643	12622	1952	2116	4303	4665	2784	3018	1951	2115	892	967	531	576	76	82
Decatur	27102	29381	11511	12479	1894	2053	4108	4453	4484	4861	2644	2866	975	1057	685	743	794	861
Delaware	40329	43720	21148	22926	2955	3203	6727	7293	3882	4208	2562	2777	1902	2062	969	1050	169	183
Des Moines	132372	143502	59859	64892	15348	16639	23632	25619	12478	13527	10135	10987	7055	7648	2530	2743	1296	1405
Dickinson	49329	53477	30128	32661	3855	4179	8025	8700	3227	3498	1683	1825	1206	1307	1052	1140	141	153
Dubuque	220838	239407	112281	121722	17535	19009	37283	40418	21757	23586	13622	14767	10928	11847	4290	4651	3142	3406
Emmet	38564	41807	19125	20733	2750	2981	6996	7584	4665	5057	2021	2191	1085	1176	932	1010	981	1063
Fayette	61996	67209	29654	32147	6401	6939	10672	11569	6620	7177	4201	4554	2394	2595	1344	1457	692	750



Table 4. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1992 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$
Floyd	55043	59671	28377	30763	3201	3470	8319	9018	7425	8049	3276	3551	2973	3223	1301	1410	157	170
Franklin	33979	36836	18633	20200	2178	2361	5330	5778	4124	4471	1780	1930	1109	1202	712	772	104	113
Fremont	25409	27545	11317	12269	2350	2548	5158	5592	3093	3353	1701	1844	1135	1230	548	594	77	83
Greene	33927	36780	20556	22284	2239	2427	4710	5106	2592	2810	1775	1924	1245	1350	708	768	94	102
Grundy	31018	33626	17994	19507	2486	2695	5498	5960	2363	2562	1177	1276	788	854	591	641	112	121
Guthrie	36076	39109	19966	21645	2522	2734	5813	6302	3942	4273	2039	2210	952	1032	729	790	104	113
Hamilton	48792	52895	24633	26704	3739	4053	9029	9788	5304	5750	2709	2937	2226	2413	990	1073	149	162
Hancock	35368	38342	19788	21452	2083	2258	6034	6541	3269	3544	1670	1810	1445	1566	528	572	540	585
Hardin	63358	68685	33955	36810	3971	4305	11698	12682	6225	6748	3143	3407	2090	2266	1073	1163	1188	1288
Harrison	48523	52603	21312	23104	4779	5181	9030	9789	7568	8204	3178	3445	1424	1544	1084	1175	136	147
Henry	49906	54102	26254	28462	4266	4625	7930	8597	4977	5395	2849	3089	2143	2323	865	938	607	658
Howard	28596	31000	14756	15997	1587	1720	5797	6284	3340	3621	1616	1752	865	938	535	580	92	100
Humboldt	35261	38226	20903	22661	2135	2315	5904	6400	3266	3541	1606	1741	723	784	618	670	98	106
Ida	20888	22644	10868	11782	1704	1847	3992	4328	2489	2698	1023	1109	380	412	349	378	76	82
Iowa	37303	40440	20286	21992	2905	3149	7262	7873	3409	3696	1439	1560	1066	1156	787	853	137	149
Jackson	57890	62758	27504	29817	5829	6319	9457	10252	7056	7649	4159	4509	2612	2832	1072	1162	185	201
Jasper	98467	106746	52565	56985	7370	7990	17174	18618	10438	11316	5240	5681	3558	3857	1769	1918	320	347
Jefferson	39639	42972	19520	21161	3516	3812	5901	6397	4482	4859	3060	3317	2004	2173	708	768	435	472
Johnson	151901	164673	69163	74978	22907	24833	20292	21998	13685	14836	9069	9832	5071	5497	3438	3727	8276	8972
Jones	43356	47001	22132	23993	3241	3514	8501	9216	3582	3883	2517	2729	2052	2225	1110	1203	182	197
Keokuk	38030	41228	19797	21462	2390	2591	6656	7216	4146	4495	2648	2871	1414	1533	863	936	107	116
Kossuth	50214	54436	28857	31283	3338	3619	8579	9300	4190	4542	2570	2786	1390	1507	1107	1200	168	182
Lee	121486	131701	54244	58805	13235	14348	20390	22104	14208	15403	9573	10378	6683	7245	2625	2846	491	532
Linn	422600	458133	208888	226452	44553	48299	62285	67522	44463	48202	29715	32214	17765	19259	8455	9166	6476	7021
Louisa	28082	30443	13488	14622	2475	2683	4592	4978	3100	3361	2332	2528	1361	1475	619	671	106	115
Lucas	29677	32172	13675	14825	3312	3590	5015	5437	3245	3518	2323	2518	1188	1288	828	898	84	91
Lyon	28102	30465	16359	17735	1665	1805	5043	5467	2688	2914	1159	1256	402	436	666	722	111	120
Madison	33543	36363	16851	18268	2767	3000	5766	6251	3916	4245	1866	2023	1487	1612	761	825	118	128
Mahaska	63235	68552	31998	34688	4998	5418	8595	9318	8135	8819	4978	5397	1871	2028	1532	1661	1110	1203
Marion	85394	92574	40055	43423	13580	14722	13694	14845	6910	7491	4513	4892	2076	2251	2930	3176	1611	1746
Marshall	112950	122447	58548	63471	8905	9654	17089	18526	9491	10289	7989	8661	3026	3280	6692	7255	1174	1273
Mills	81949	88839	15554	16862	5028	5451	6223	6746	50824	55097	2501	2711	654	709	1031	1118	123	133
Mitchell	32994	35768	19575	21221	2045	2217	5793	6280	2880	3122	1243	1348	886	960	464	503	100	108

Table 4. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1992 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$	1992\$	1995\$
Monona	39595	42924	19668	21322	2885	3128	7723	8372	4961	5378	2423	2627	795	862	1039	1126	93	101
Monroe	28537	30936	11965	12971	3902	4230	5128	5559	3712	4024	2008	2177	845	916	895	970	75	81
Montgomery	42533	46109	22344	24223	3127	3390	7148	7749	5425	5881	2432	2636	1169	1267	769	834	110	119
Muscatine	99764	108152	51205	55510	9346	10132	13896	15064	10396	11270	8507	9222	4371	4739	1628	1765	377	409
O'Brien	46462	50369	26861	29120	2641	2863	7963	8633	4679	5072	1995	2163	1029	1116	920	997	361	391
Osceola	19608	21257	11790	12781	1099	1191	3140	3404	1870	2027	800	867	460	499	377	409	66	72
Page	55679	60361	28561	30962	4376	4744	9593	10400	6492	7038	3803	4123	1644	1782	1038	1125	154	167
Palo Alto	33852	36698	19208	20823	1885	2043	5608	6080	3957	4290	1822	1975	605	656	661	717	98	106
Plymouth	57901	62769	33485	36301	4327	4691	9725	10543	4756	5156	2239	2427	1520	1648	1109	1202	721	782
Pocahontas	30710	33292	17045	18478	1724	1869	5639	6113	3572	3872	1396	1513	559	606	681	738	87	94
Polk	875975	949629	380103	412063	107824	116890	132964	144144	112772	122254	74154	80389	32922	35690	23725	25720	11511	12479
Pottawattamie	248576	269477	100705	109173	44507	48249	37674	40842	31164	33784	21296	23087	4976	5394	5421	5877	2833	3071
Poweshiek	48456	52530	25184	27302	4061	4402	8622	9347	4802	5206	2655	2878	1673	1814	891	966	553	599
Ringgold	19140	20749	9628	10438	1411	1530	2988	3239	2676	2901	1469	1593	407	441	506	549	50	54
Sac	39359	42668	22072	23928	2280	2472	6408	6947	4007	4344	1670	1810	2016	2186	784	850	113	123
Scott	418366	453543	167509	181594	72807	78929	56745	61516	48500	52578	43653	47323	16018	17365	7021	7611	6113	6627
Shelby	37544	40701	20087	21776	2184	2368	7410	8033	3739	4053	1839	1994	1439	1560	713	773	122	132
Sioux	65442	70945	37363	40505	3783	4101	11459	12423	5937	6436	2506	2717	1341	1454	1127	1222	1901	2061
Story	142346	154315	65012	70478	20222	21922	21650	23470	10005	10846	6445	6987	3833	4155	2490	2699	12689	13756
Tama	50753	55020	26585	28820	3538	3835	9098	9863	5823	6313	3005	3258	1520	1648	908	984	276	299
Taylor	22789	24705	11777	12767	1581	1714	4165	4515	2363	2562	1630	1767	590	640	613	665	64	69
Union	40549	43958	19271	20891	4880	5290	6383	6920	4265	4624	3310	3588	1015	1100	874	947	540	585
Van Buren	24303	26346	13229	14341	1646	1784	4673	5066	1855	2011	1595	1729	834	904	394	427	71	77
Wapello	129557	140450	58192	63085	13953	15126	21296	23087	15021	16284	11752	12740	4679	5072	3360	3643	1270	1377
Warren	78799	85425	37923	41112	9928	10763	11700	12684	8745	9480	4368	4735	2914	3159	2256	2446	929	1007
Washington	55264	59911	30237	32779	3702	4013	9709	10525	5779	6265	2916	3161	1661	1801	1058	1147	186	202
Wayne	25204	27323	12193	13218	2142	2322	4757	5157	2659	2883	1955	2119	717	777	711	771	64	69
Webster	135588	146989	68077	73801	10987	11911	20770	22516	16225	17589	10152	11006	4617	5005	2487	2696	2235	2423
Winnebago	34336	37223	20175	21871	2275	2466	5580	6049	3632	3937	1401	1519	625	678	529	573	110	119
Winneshiek	48134	52181	25784	27952	3855	4179	7427	8051	4162	4512	2212	2398	1999	2167	913	990	1765	1913
Woodbury	300670	325951	135097	146456	30798	33388	46281	50172	43718	47394	24945	27042	8573	9294	6585	7139	4673	5066
Worth	24220	26256	12090	13107	2526	2738	4125	4472	2645	2867	1083	1174	1213	1315	460	499	72	78
Wright	49104	53233	27159	29443	4205	4559	8680	9410	4173	4524	2350	2548	1547	1677	846	917	132	143
State of Iowa	7776182	8430024	3748070	4063218	774941	840100	1241059	1345410	932531	1010941	536547	581661	271541	294373	168272	182421	103221	111900

Table 5. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1991.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$
Adair	20991	23416	11791	13153	1505	1679	3515	3921	2011	2243	1178	1314	372	415	538	600	75	84
Adams	13600	15171	7463	8325	1110	1238	2239	2498	1239	1382	947	1056	202	225	354	395	0	0
Allamakee	34738	38751	19878	22174	2613	2915	4979	5554	3691	4117	1470	1640	1221	1362	750	837	126	141
Appanoose	46060	51381	20163	22492	6624	7389	6595	7357	5289	5900	4640	5176	1149	1282	1466	1635	124	138
Audubon	20313	22660	10786	12032	1140	1272	4019	4483	2418	2697	832	928	347	387	701	782	65	73
Benton	53786	60000	28312	31583	4984	5560	9014	10055	5314	5928	3112	3472	1661	1853	1170	1305	202	225
Black Hawk	333020	371493	156896	175022	27235	30381	51728	57704	40720	45424	31427	35058	9188	10249	6191	6906	9635	10748
Boone	104896	117015	35912	40061	10121	11290	11610	12951	40239	44888	3658	4081	1511	1686	1599	1784	227	253
Bremer	51967	57971	28761	32084	4282	4777	9326	10403	4188	4672	2168	2418	1310	1461	955	1065	960	1071
Buchanan	50387	56208	25539	28489	3789	4227	8433	9407	6485	7234	3685	4111	1296	1446	957	1068	188	210
Buena Vista	54642	60955	32159	35874	3619	4037	8368	9335	4012	4476	2419	2698	661	737	1365	1523	2025	2259
Butler	44040	49128	25202	28114	2490	2778	7348	8197	4580	5109	2070	2309	1417	1581	778	868	143	160
Calhoun	34848	38874	19705	21981	2326	2595	5547	6188	4397	4905	1442	1609	477	532	842	939	104	116
Carroll	56675	63223	32426	36172	4056	4525	9142	10198	6108	6814	2257	2518	1319	1471	1160	1294	192	214
Cass	45040	50243	24668	27518	3039	3390	7275	8115	5242	5848	2372	2646	1294	1443	1003	1119	136	152
Cedar	38803	43286	21440	23917	3643	4064	6794	7579	3435	3832	1830	2041	828	924	662	738	158	176
Cerro Gordo	136441	152204	69697	77749	12127	13528	19771	22055	15651	17459	7939	8856	4748	5297	3110	3469	3365	3754
Cherokee	38622	43084	22355	24938	3326	3710	6005	6699	3870	4317	1508	1682	525	586	896	1000	127	142
Chickasaw	31998	35695	17045	19014	2217	2473	5951	6639	2953	3294	1472	1642	1470	1640	761	849	120	134
Clarke	23399	26102	12102	13500	1802	2010	3807	4247	2487	2774	1646	1836	846	944	630	703	73	81
Clay	44619	49774	24174	26967	3762	4197	6856	7648	4651	5188	2546	2840	871	972	1089	1215	657	733
Clayton	50330	56145	25900	28892	4208	4694	8855	9878	5111	5701	2512	2802	2386	2662	1176	1312	169	189
Clinton	147375	164401	72734	81137	15009	16743	22781	25413	17268	19263	10966	12233	5215	5817	2703	3015	653	728
Crawford	44425	49557	22044	24591	3215	3586	7932	8848	6271	6995	2570	2867	1270	1417	961	1072	150	167
Dallas	73360	81835	37677	42030	9411	10498	12250	13665	6726	7503	3479	3881	1814	2024	1710	1908	271	302
Davis	22402	24990	11144	12431	1974	2202	3912	4364	2402	2680	1680	1874	692	772	518	578	74	83
Decatur	24662	27511	11207	12502	1817	2027	4158	4638	3231	3604	2084	2325	619	691	692	772	848	946
Delaware	37395	41715	19873	22169	2993	3339	5842	6517	3879	4327	2239	2498	1414	1577	979	1092	163	182
Des Moines	122797	136984	57774	64449	15001	16734	20068	22386	11761	13120	9144	10200	5126	5718	2528	2820	1355	1512
Dickinson	46576	51957	28360	31636	3751	4184	7822	8726	3033	3383	1519	1694	910	1015	1032	1151	138	154
Dubuque	204989	228671	105754	117972	17474	19493	34693	38701	18898	21081	11736	13092	8877	9903	4269	4762	3288	3668
Emmet	35350	39434	18106	20198	2711	3024	6053	6752	3923	4376	1820	2030	808	901	874	975	1047	1168
Fayette	58125	64840	27912	31137	6311	7040	10246	11430	6230	6950	3726	4156	1678	1872	1283	1431	724	808

Table 5. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1991 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$
Floyd	51217	57134	27093	30223	3176	3543	8393	9363	6083	6786	2900	3235	2120	2365	1289	1438	151	168
Franklin	31039	34625	17322	19323	2149	2397	5110	5700	3392	3784	1489	1661	792	883	674	752	103	115
Fremont	23569	26292	10692	11927	2280	2543	4845	5405	2882	3215	1482	1653	749	836	558	622	75	84
Greene	32080	35786	19605	21870	2207	2462	4639	5175	2356	2628	1501	1674	1055	1177	619	691	91	102
Grundy	29195	32568	17079	19052	2476	2762	5132	5725	2104	2347	1128	1258	565	630	595	664	108	120
Guthrie	33886	37801	19050	21251	2596	2896	5678	6334	3345	3731	1580	1763	781	871	747	833	101	113
Hamilton	43907	48980	22822	25459	3666	4090	8504	9486	4050	4518	2331	2600	1371	1529	1006	1122	145	162
Hancock	32212	35933	18437	20567	1990	2220	5615	6264	2736	3052	1299	1449	1030	1149	525	586	571	637
Hardin	59210	66050	33022	36837	3893	4343	9973	11125	5796	6466	2448	2731	1753	1956	1048	1169	1264	1410
Harrison	45224	50449	20290	22634	4691	5233	8673	9675	6667	7437	2724	3039	987	1101	1049	1170	132	147
Henry	48441	54037	25035	27927	4328	4828	8480	9460	5123	5715	2438	2720	1505	1679	882	984	636	709
Howard	26240	29271	14259	15906	1594	1778	4813	5369	2982	3327	1328	1481	619	691	548	611	90	100
Humboldt	33114	36940	19815	22104	2082	2323	5333	5949	3268	3646	1260	1406	638	712	615	686	96	107
Ida	19352	21588	10178	11354	1704	1901	3564	3976	2272	2534	846	944	365	407	343	383	74	83
Iowa	33661	37550	18232	20338	2918	3255	6550	7307	3123	3484	1181	1317	782	872	731	815	133	148
Jackson	52377	58428	24836	27705	5742	6405	9316	10392	5624	6274	3561	3972	2032	2267	1073	1197	179	200
Jasper	90430	100877	49533	55255	7101	7921	15245	17006	9063	10110	4465	4981	2942	3282	1735	1935	312	348
Jefferson	37418	41741	19031	21230	3405	3798	5424	6051	4349	4851	2783	3105	1314	1466	647	722	453	505
Johnson	141473	157817	64171	71585	23091	25759	19291	21520	11585	12923	7731	8624	3207	3578	3392	3784	9005	10045
Jones	40223	44870	21684	24189	3193	3562	7631	8513	2942	3282	2162	2412	1337	1491	1084	1209	176	196
Keokuk	35174	39238	17923	19994	2354	2626	7034	7847	3682	4107	2312	2579	912	1017	844	942	105	117
Kossuth	47126	52570	27361	30522	3244	3619	7803	8704	3960	4417	2212	2468	1267	1413	1102	1229	164	183
Lee	112185	125146	51530	57483	12934	14428	18438	20568	12554	14004	8670	9672	4990	5566	2542	2836	491	548
Linn	393490	438949	198191	221088	44556	49704	56391	62906	38279	42701	26712	29798	14440	16108	8158	9100	6763	7544
Louisa	26823	29922	12784	14261	2573	2870	4270	4763	3600	4016	1957	2183	893	996	633	706	105	117
Lucas	28491	31783	13275	14809	3277	3656	5200	5801	3139	3502	2013	2246	699	780	798	890	83	93
Lyon	27730	30934	16070	17927	1662	1854	5303	5916	2666	2974	935	1043	267	298	711	793	108	120
Madison	30963	34540	15525	17319	2902	3237	5317	5931	3573	3986	1608	1794	1145	1277	771	860	113	126
Mahaska	60405	67384	31717	35381	4983	5559	8512	9495	6749	7529	4253	4744	1504	1678	1496	1669	1176	1312
Marion	79636	88836	37615	41961	13553	15119	11867	13238	6442	7186	3933	4387	1745	1947	2755	3073	1705	1902
Marshall	106000	118246	55619	62045	8997	10036	15426	17208	9155	10213	6825	7613	2115	2359	6595	7357	1232	1374
Mills	76987	85881	14868	16586	4789	5342	5930	6615	47583	53080	2280	2543	405	452	1003	1119	120	134
Mitchell	30002	33468	18212	20316	2021	2254	5220	5823	2312	2579	950	1060	711	793	470	524	98	109

Table 5. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1991 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$	1991\$	1995\$
Monona	36660	40895	17893	19960	2870	3202	7294	8137	4724	5270	2203	2458	569	635	1010	1127	90	100
Monroe	27181	30321	11164	12454	4005	4468	5076	5662	3357	3745	1946	2171	708	790	846	944	73	81
Montgomery	39494	44057	21380	23850	3062	3416	7144	7969	4237	4726	1991	2221	791	882	773	862	108	120
Muscatine	93325	104107	47396	52872	9398	10484	13062	14571	10495	11707	7704	8594	3221	3593	1647	1837	364	406
O'Brien	42247	47128	24765	27626	2608	2909	7376	8228	4004	4467	1628	1816	510	569	971	1083	374	417
Osceola	18385	20509	11688	13038	1095	1222	2847	3176	1375	1534	635	708	315	351	360	402	65	73
Page	53008	59132	27350	30510	4474	4991	9507	10605	5606	6254	3534	3942	1302	1452	1063	1186	151	168
Palo Alto	32070	35775	18295	20409	1852	2066	5089	5677	3928	4382	1589	1773	544	607	670	747	96	107
Plymouth	53659	59858	31237	34846	4328	4828	8911	9940	4132	4609	2008	2240	1046	1167	1227	1369	753	840
Pocahontas	28376	31654	16972	18933	1737	1938	4756	5305	2667	2975	1131	1262	377	421	643	717	86	96
Polk	814303	908379	356303	397466	109203	121819	130221	145265	94587	105515	65662	73248	23755	26499	22539	25143	12033	13423
Pottawattamie	229727	256267	95046	106027	43730	48782	35843	39984	24184	26978	19017	21214	3540	3949	5406	6031	2961	3303
Poweshiek	44166	49268	23403	26107	3936	4391	8309	9269	3651	4073	2187	2440	1214	1354	874	975	579	646
Ringgold	17860	19923	9183	10244	1354	1510	2872	3204	2468	2753	1216	1356	281	313	433	483	0	0
Sac	37734	42093	21308	23770	2419	2698	6002	6695	3649	4071	1456	1624	2014	2247	768	857	110	123
Scott	387131	431856	160540	179087	72593	80980	49699	55441	41345	46122	38973	43476	10715	11953	6886	7682	6380	7117
Shelby	33982	37908	18674	20831	2141	2388	6424	7166	3285	3665	1617	1804	1060	1182	652	727	120	134
Sioux	59990	66921	35059	39109	3793	4231	9717	10840	5252	5859	2061	2299	925	1032	1146	1278	2016	2249
Story	136577	152356	62430	69642	19977	22285	19612	21878	9886	11028	5483	6116	2797	3120	2727	3042	13665	15244
Tama	48436	54032	26444	29499	3508	3913	8609	9604	4983	5559	2512	2802	1157	1291	909	1014	314	350
Taylor	22222	24789	11573	12910	1637	1826	4218	4705	2274	2537	1375	1534	444	495	632	705	64	71
Union	38227	42643	17698	19743	4661	5199	6295	7022	4208	4694	2972	3315	959	1070	854	953	571	637
Van Buren	23107	25777	12520	13966	1632	1821	4618	5152	1973	2201	1312	1464	578	645	399	445	69	77
Wapello	118140	131789	54677	60994	13643	15219	18148	20245	12857	14342	10433	11638	3783	4220	3231	3604	1333	1487
Warren	72120	80452	34063	37998	9931	11078	11038	12313	8146	9087	3818	4259	2033	2268	2095	2337	961	1072
Washington	52544	58614	28493	31785	3726	4156	9221	10286	6176	6890	2556	2851	1179	1315	1000	1116	179	200
Wayne	23309	26002	11400	12717	2110	2354	4935	5505	2261	2522	1487	1659	378	422	670	747	63	70
Webster	127362	142076	65598	73176	10849	12102	19123	21332	14791	16500	9090	10140	3019	3368	2483	2770	2372	2646
Winnebago	33944	37866	20674	23062	2137	2384	5288	5899	3258	3634	1227	1369	708	790	517	577	108	120
Winneshiek	44609	49763	24240	27040	3928	4382	6770	7552	3630	4049	1878	2095	1319	1471	946	1055	1883	2101
Woodbury	283805	316593	129079	143991	30547	34076	43096	48075	40340	45000	22289	24864	7011	7821	6470	7217	4973	5548
Worth	23085	25752	11594	12933	2488	2775	4193	4677	2302	2568	944	1053	1048	1169	440	491	70	78
Wright	44175	49278	24945	27827	4149	4628	7380	8233	3625	4044	2049	2286	1069	1193	819	914	128	143
State of Iowa	7246911	8084139	3550919	3961153	771333	860444	1144547	1276775	834805	931249	471373	525830	200928	224141	164846	183890	108160	120656

Table 6. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1990.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$
Adair	19692	22853	11010	12777	1363	1582	3378	3920	1699	1972	1322	1534	267	310	549	637	98	114
Adams	12752	14799	6981	8102	1062	1232	2189	2540	1047	1215	803	932	163	189	446	518	57	66
Allamakee	32993	38289	18709	21712	2473	2870	5405	6273	3067	3559	1321	1533	1117	1296	728	845	163	189
Appanoose	42717	49574	18856	21883	6373	7396	6229	7229	4506	5229	4118	4779	945	1097	1520	1764	160	186
Audubon	18677	21675	10086	11705	1061	1231	3654	4241	1817	2109	716	831	341	396	911	1057	85	99
Benton	48310	56064	26297	30518	4548	5278	8090	9389	3650	4236	2796	3245	1416	1643	1234	1432	262	304
Black Hawk	307022	356302	146590	170119	25410	29489	51056	59251	32712	37963	28695	33301	6691	7765	6537	7586	9331	10829
Boone	96357	111823	32880	38158	9592	11132	11339	13159	36334	42166	3100	3598	1108	1286	1691	1962	294	341
Bremer	46891	54417	26958	31285	3828	4442	8691	10086	2791	3239	1852	2149	765	888	1026	1191	963	1118
Buchanan	45137	52382	23773	27589	3537	4105	7749	8993	4708	5464	3167	3675	990	1149	953	1106	244	283
Buena Vista	49867	57871	29747	34522	3294	3823	7831	9088	3220	3737	1942	2254	528	613	1351	1568	1939	2250
Butler	39879	46280	22908	26585	2324	2697	7421	8612	3503	4065	1797	2085	883	1025	846	982	185	215
Calhoun	33263	38602	18797	21814	2114	2453	6205	7201	3603	4181	1219	1415	319	370	863	1002	134	156
Carroll	51163	59375	29785	34566	3661	4249	7817	9072	5154	5981	2042	2370	1245	1445	1193	1384	250	290
Cass	41331	47965	22957	26642	2944	3417	7305	8478	3731	4330	2023	2348	1144	1328	1037	1203	178	207
Cedar	35283	40946	19799	22977	3361	3900	6041	7011	2990	3470	1551	1800	637	739	687	797	204	237
Cerro Gordo	126307	146581	64937	75360	11265	13073	20745	24075	12075	14013	6979	8099	3835	4451	3171	3680	3264	3788
Cherokee	36407	42251	20386	23658	3138	3642	5823	6758	4255	4938	1298	1506	453	526	878	1019	166	193
Chickasaw	29176	33859	15901	18453	1987	2306	5859	6799	2091	2427	1327	1540	1085	1259	761	883	155	180
Clarke	20407	23683	11125	12911	1626	1887	3147	3652	1814	2105	1425	1654	531	616	636	738	97	113
Clay	41103	47700	22403	25999	3565	4137	6599	7658	3987	4627	2208	2562	528	613	1132	1314	667	774
Clayton	45651	52978	23996	27848	3984	4623	8082	9379	3906	4533	2230	2588	1903	2208	1312	1523	224	260
Clinton	135093	156777	67509	78345	13935	16172	22959	26644	13385	15533	9652	11201	3969	4606	2867	3327	777	902
Crawford	39745	46124	20740	24069	3086	3581	6729	7809	4411	5119	2219	2575	1383	1605	968	1123	196	227
Dallas	66627	77321	35138	40778	8438	9792	11123	12908	5221	6059	3120	3621	1456	1690	1759	2041	349	405
Davis	20718	24043	10542	12234	1878	2179	3537	4105	2183	2533	1613	1872	350	406	512	594	97	113
Decatur	22563	26185	10433	12108	1793	2081	3578	4152	2946	3419	1767	2051	502	583	725	841	813	943
Delaware	33982	39436	18276	21209	2770	3215	5692	6606	2905	3371	2086	2421	1028	1193	1000	1161	211	245
Des Moines	114762	133182	54213	62915	14287	16580	20185	23425	9820	11396	8118	9421	3740	4340	2674	3103	1725	2002
Dickinson	40649	47174	25457	29543	3366	3906	6322	7337	2253	2615	1343	1559	675	783	1045	1213	176	204
Dubuque	188077	218265	98176	113934	15988	18554	32699	37948	16071	18651	10766	12494	6606	7666	4444	5157	3327	3861
Emmet	32191	37358	16707	19389	2509	2912	5816	6750	3057	3548	1603	1860	605	702	880	1021	1005	1166
Fayette	53464	62046	26064	30248	6025	6992	10324	11981	4641	5386	3102	3600	1183	1373	1366	1585	743	862

Table 6. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1990 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$
Floyd	46833	54350	25237	29288	2983	3462	7884	9149	4950	5745	2748	3189	1492	1731	1326	1539	200	232
Franklin	27843	32312	15875	18423	2010	2333	4715	5472	2445	2837	1257	1459	711	825	690	801	132	153
Fremont	21377	24808	10371	12036	2127	2468	4055	4706	2401	2786	1271	1475	448	520	601	697	97	113
Greene	29494	34228	18315	21255	2046	2374	4270	4955	1925	2234	1231	1429	866	1005	716	831	117	136
Grundy	26882	31197	15945	18504	2306	2676	4971	5769	1665	1932	865	1004	375	435	606	703	140	162
Guthrie	31225	36237	17841	20705	2455	2849	5464	6341	2669	3097	1289	1496	578	671	793	920	128	149
Hamilton	40583	47097	21498	24949	3375	3917	7992	9275	3302	3832	1848	2145	1321	1533	1027	1192	188	218
Hancock	29443	34169	16978	19703	1904	2210	5069	5883	2270	2634	1128	1309	957	1111	557	646	571	663
Hardin	53378	61946	30522	35421	3671	4260	8927	10360	4577	5312	2167	2515	1148	1332	1119	1299	1233	1431
Harrison	39778	46163	18788	21804	4462	5178	7712	8950	4642	5387	2269	2633	647	751	1073	1245	173	201
Henry	44464	51601	23353	27101	4098	4756	8170	9481	4184	4856	2136	2479	966	1121	890	1033	652	757
Howard	23865	27696	13115	15220	1528	1773	4574	5308	2202	2555	1243	1443	521	605	560	650	115	133
Humboldt	29983	34796	18024	20917	1945	2257	4911	5699	2772	3217	1119	1299	465	540	613	711	126	146
Ida	17809	20668	9727	11288	1589	1844	3443	3996	1739	2018	589	684	260	302	359	417	97	113
Iowa	31962	37092	17227	19992	2593	3009	7042	8172	2451	2844	1062	1232	655	760	748	868	172	200
Jackson	47079	54636	23130	26843	5330	6186	8328	9665	4115	4775	3178	3688	1661	1928	1089	1264	233	270
Jasper	82224	95422	45658	52987	6819	7914	14621	16968	6933	8046	3794	4403	2147	2492	1815	2106	407	472
Jefferson	34875	40473	17992	20880	3285	3812	5328	6183	3751	4353	2367	2747	979	1136	687	797	473	549
Johnson	127524	147993	58394	67767	20958	24322	17757	20607	9401	10910	6770	7857	2487	2886	3311	3842	8446	9802
Jones	37853	43929	20359	23627	2942	3414	7574	8790	2554	2964	1944	2256	1059	1229	1178	1367	228	265
Keokuk	32579	37808	16841	19544	2306	2676	6726	7806	3073	3566	1921	2229	695	807	873	1013	135	157
Kossuth	43727	50746	25400	29477	2972	3449	7996	9279	3234	3753	1826	2119	915	1062	1152	1337	218	253
Lee	100616	116766	48195	55931	12111	14055	16504	19153	9570	11106	7503	8707	3500	4062	2621	3042	581	674
Linn	361549	419581	182349	211618	41098	47695	55175	64031	31732	36825	23506	27279	12284	14256	8607	9989	6798	7889
Louisa	24539	28478	11871	13776	2457	2851	4351	5049	2746	3187	1626	1887	658	764	686	796	135	157
Lucas	26171	30372	12376	14362	2997	3478	4803	5574	2630	3052	1776	2061	655	760	821	953	106	123
Lyon	25230	29280	14980	17384	1513	1756	4494	5215	2277	2642	825	957	213	247	779	904	140	162
Madison	28582	33170	14485	16810	2613	3032	5234	6074	3138	3642	1372	1592	752	873	833	967	146	169
Mahaska	55361	64247	29138	33815	4772	5538	8379	9724	5471	6349	3753	4355	1056	1225	1617	1877	1159	1345
Marion	72517	84157	34461	39992	13017	15106	10986	12749	5095	5913	3374	3916	1321	1533	2564	2976	1676	1945
Marshall	96447	111928	51991	60336	8221	9541	13380	15528	7100	8240	6050	7021	1660	1926	6744	7826	1270	1474
Mills	71576	83065	14163	16436	4316	5009	5558	6450	44088	51165	1958	2272	344	399	986	1144	153	178
Mitchell	27246	31619	16867	19574	1921	2229	4588	5324	1898	2203	773	897	567	658	496	576	128	149

Table 6. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1990 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$	1990\$	1995\$
Monona	33224	38557	16649	19321	2708	3143	6795	7886	3698	4292	1851	2148	386	448	1012	1174	117	136
Monroe	24757	28731	10493	12177	3893	4518	4425	5135	2691	3123	1712	1987	573	665	869	1008	95	110
Montgomery	36325	42156	20046	23264	2946	3419	6939	8053	3017	3501	1633	1895	745	865	850	986	140	162
Muscatine	85394	99101	44039	51108	8840	10259	13058	15154	7878	9142	6889	7995	2392	2776	1797	2085	469	544
O'Brien	38801	45029	22850	26518	2469	2865	7107	8248	3071	3564	1380	1602	436	506	1079	1252	397	461
Osceola	16721	19405	10679	12393	1038	1205	2644	3068	1133	1315	500	580	258	299	379	440	84	97
Page	48784	56614	25733	29863	4210	4886	9019	10467	4633	5377	2985	3464	868	1007	1123	1303	198	230
Palo Alto	29080	33748	17101	19846	1753	2034	4874	5656	2733	3172	1390	1613	398	462	699	811	124	144
Plymouth	48467	56246	28512	33088	3884	4507	7928	9201	3580	4155	1704	1978	771	895	1298	1506	773	897
Pocahontas	26137	30332	15726	18250	1607	1865	4713	5469	2186	2537	854	991	270	313	663	769	111	129
Polk	738361	856875	330422	383458	100922	117121	116676	135404	81591	94687	56804	65922	16653	19326	23039	26737	12254	14221
Pottawattamie	212436	246534	87411	101441	41082	47676	32844	38116	23556	27337	16205	18806	2784	3231	5524	6411	3030	3516
Poweshiek	40391	46874	21935	25456	3597	4174	7435	8628	3138	3642	1698	1971	1001	1162	954	1107	600	696
Ringgold	16166	18761	8521	9889	1236	1434	2655	3081	1897	2201	1061	1231	249	289	479	556	63	73
Sac	34298	39803	19756	22927	2171	2519	5569	6463	2849	3306	1209	1403	1801	2090	791	918	143	166
Scott	359616	417338	149314	173280	67850	78741	50811	58967	35387	41067	34697	40266	8358	9700	6879	7983	6320	7334
Shelby	30795	35738	17484	20290	1997	2318	5747	6669	2578	2992	1411	1637	697	809	716	831	155	180
Sioux	54614	63380	32478	37691	3416	3964	9204	10681	3894	4519	1795	2083	712	826	1129	1310	1963	2278
Story	123778	143646	57145	66317	18347	21292	18273	21206	7769	9016	4712	5468	1947	2260	2787	3234	12798	14852
Tama	43841	50878	24458	28384	3214	3730	8221	9541	3819	4432	2130	2472	832	966	916	1063	204	237
Taylor	20337	23601	10998	12763	1509	1751	3678	4268	1871	2171	1193	1384	306	355	694	805	82	95
Union	35715	41448	16707	19389	4363	5063	6052	7023	3827	4441	2629	3051	658	764	898	1042	572	664
Van Buren	21100	24487	11753	13639	1533	1779	4089	4745	1642	1906	1198	1390	357	414	433	503	89	103
Wapello	107519	124777	51030	59221	12951	15030	17061	19799	10031	11641	9184	10658	2435	2826	3447	4000	1351	1568
Warren	64228	74537	30868	35823	9231	10713	9263	10750	7060	8193	3312	3844	1338	1553	2116	2456	1006	1167
Washington	48334	56092	26569	30834	3475	4033	9004	10449	4944	5738	2203	2557	862	1000	1032	1198	230	267
Wayne	21559	25019	10937	12692	2069	2401	4126	4788	2017	2341	1386	1608	245	284	691	802	82	95
Webster	115978	134594	61106	70914	10156	11786	17363	20150	11655	13526	8074	9370	2442	2834	2821	3274	2329	2703
Winnebago	30687	35613	18807	21826	2067	2399	4768	5533	2466	2862	1093	1268	791	918	545	632	141	164
Winneshiek	40852	47409	22237	25806	3509	4072	6607	7667	2909	3376	1579	1832	1169	1357	1018	1181	1808	2098
Woodbury	256749	297960	120079	139353	28598	33188	37950	44041	34181	39667	19493	22622	4999	5801	6669	7739	4780	5547
Worth	21642	25116	10842	12582	2338	2713	4589	5326	1595	1851	801	930	913	1060	465	540	93	108
Wright	40390	46873	23304	27045	3857	4476	6923	8034	2786	3233	1746	2026	748	868	848	984	168	195
State of Iowa	6625946	7689476	3295591	3824566	718161	833433	1077010	1249881	690635	801489	412369	478558	152148	176569	170899	198330	109133	126650



Table 7. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1985.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$
Adair	16266	22783	9440	13222	970	1359	2768	3877	853	1195	1226	1717	368	515	539	755	100	140
Adams	10746	15051	5713	8002	862	1207	2040	2857	568	796	778	1090	281	394	445	623	58	81
Allamakee	25815	36157	14701	20591	1614	2261	4178	5852	1483	2077	1608	2252	1308	1832	758	1062	162	227
Appanoose	37893	53074	16335	22879	6060	8488	5300	7423	3473	4864	3885	5441	1144	1602	1537	2153	156	218
Audubon	14435	20218	8635	12094	791	1108	2665	3733	675	945	633	887	551	772	394	552	89	125
Benton	38867	54438	21689	30378	3449	4831	6256	8762	2169	3038	2466	3454	1538	2154	1045	1464	250	350
Black Hawk	249156	348975	114025	159707	19973	27975	34238	47955	25158	35237	27933	39124	15057	21089	5264	7373	7508	10516
Boone	62630	87721	25464	35666	7745	10848	8700	12185	14109	19761	3138	4395	1732	2426	1455	2038	281	394
Bremer	37638	52717	22033	30860	2738	3835	5716	8006	1674	2345	2053	2875	1647	2307	982	1375	790	1106
Buchanan	37744	52865	19503	27316	2564	3591	5690	7970	3579	5013	3234	4530	1913	2679	1014	1420	242	339
Buena Vista	37963	53172	22664	31744	2579	3612	5416	7586	1794	2513	1779	2492	920	1289	1295	1814	1511	2116
Butler	30926	43316	17979	25182	1694	2373	5467	7657	1691	2368	1817	2545	1285	1800	804	1126	185	259
Calhoun	26073	36519	15815	22151	1585	2220	4271	5982	1456	2039	1165	1632	756	1059	886	1241	136	190
Carroll	38671	54164	22464	31464	3011	4217	6633	9290	1857	2601	1801	2523	1534	2149	1121	1570	245	343
Cass	32798	45938	19155	26829	2122	2972	5778	8093	1714	2401	1770	2479	1161	1626	913	1279	181	254
Cedar	27655	38734	16061	22495	2382	3336	4490	6289	1524	2135	1371	1920	1035	1450	584	818	203	284
Cerro Gordo	93076	130365	49578	69440	8597	12041	12991	18196	6202	8687	5948	8331	3751	5254	3422	4793	2575	3607
Cherokee	27728	38837	15648	21917	2406	3370	4580	6415	2044	2863	1266	1773	715	1001	897	1256	169	237
Chickasaw	24684	34573	13780	19301	1479	2072	4424	6196	1133	1587	1410	1975	1558	2182	735	1029	162	227
Clarke	16152	22623	8166	11438	1244	1742	2799	3920	1346	1885	1256	1759	619	867	630	882	90	126
Clay	31882	44655	17313	24249	2512	3518	4705	6590	2193	3072	2296	3216	1185	1660	1119	1567	554	776
Clayton	35614	49882	18873	26434	2746	3846	6248	8751	1940	2717	2342	3280	1836	2572	1399	1959	225	315
Clinton	105587	147888	52644	73735	11481	16081	17277	24199	7446	10429	8339	11680	4863	6811	2796	3916	727	1018
Crawford	30569	42816	16298	22827	2435	3411	5828	8163	1831	2565	1921	2691	1066	1493	985	1380	200	280
Dallas	53903	75498	27012	37834	6196	8678	9823	13758	3524	4936	3302	4625	1552	2174	2165	3032	322	451
Davis	16773	23493	8597	12041	1356	1899	2912	4079	1111	1556	1402	1964	622	871	674	944	97	136
Decatur	18743	26252	8874	12429	1267	1775	3575	5007	1436	2011	1607	2251	516	723	828	1160	638	894
Delaware	26615	37278	13743	19249	1846	2586	3963	5551	1778	2490	2332	3266	1613	2259	1127	1579	208	291
Des Moines	88086	123376	43331	60691	11108	15558	11596	16242	6548	9171	7178	10054	4287	6004	2872	4023	1155	1618
Dickinson	30732	43044	18141	25409	2413	3380	4944	6925	1375	1926	1344	1882	1371	1920	974	1364	167	234
Dubuque	151746	212540	77572	108650	12398	17365	25362	35523	10579	14817	11585	16226	6987	9786	4567	6397	2674	3745
Emmet	25354	35512	12792	17917	2033	2847	4115	5764	1711	2396	1612	2258	1402	1964	895	1254	791	1108
Fayette	45328	63488	22628	31693	5115	7164	8033	11251	2482	3476	2967	4156	2146	3006	1322	1852	630	882

Table 7. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1985 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$
Floyd	37140	52019	20785	29112	2186	3062	5309	7436	2410	3376	2711	3797	2205	3088	1325	1856	204	286
Franklin	21384	29951	12720	17816	1504	2107	3361	4708	1136	1591	1121	1570	747	1046	655	917	137	192
Fremont	19149	26821	10144	14208	1710	2395	3713	5201	1121	1570	1154	1616	676	947	533	747	96	134
Greene	23004	32220	14197	19885	1474	2065	3303	4626	1047	1466	1199	1679	851	1192	805	1128	125	175
Grundy	22901	32076	14101	19750	1760	2465	3764	5272	924	1294	839	1175	718	1006	642	899	147	206
Guthrie	25094	35147	14339	20084	1741	2438	4292	6011	1543	2161	1441	2018	652	913	956	1339	127	178
Hamilton	32353	45315	18043	25272	2421	3391	6396	8958	1707	2391	1613	2259	998	1398	987	1382	184	258
Hancock	21666	30346	13110	18362	1550	2171	3142	4401	1027	1438	878	1230	1013	1419	478	670	465	651
Hardin	42180	59078	24978	34985	2715	3803	7310	10239	2066	2894	1866	2614	1052	1473	1196	1675	992	1389
Harrison	32952	46153	15922	22301	3210	4496	6666	9337	2429	3402	2179	3052	1114	1560	1261	1766	168	235
Henry	33768	47296	19455	27249	2942	4121	4968	6958	1945	2724	1904	2667	1289	1805	736	1031	524	734
Howard	19355	27109	10627	14884	1125	1576	3753	5257	962	1347	1338	1874	814	1140	617	864	116	162
Humboldt	22325	31269	13508	18920	1438	2014	3690	5168	1164	1630	1128	1580	724	1014	541	758	129	181
Ida	15099	21148	9016	12628	1180	1653	2627	3679	771	1080	650	910	362	507	393	550	98	137
Iowa	24930	34918	15294	21421	1812	2538	4021	5632	1019	1427	921	1290	885	1240	807	1130	168	235
Jackson	39762	55692	19383	27148	3940	5518	7117	9968	2689	3766	3121	4371	2012	2818	1259	1763	236	331
Jasper	63224	88553	34346	48106	4968	6958	10754	15062	4430	6205	4266	5975	1863	2609	2205	3088	383	536
Jefferson	26203	36701	14194	19881	2459	3444	3560	4986	1997	2797	1791	2509	1009	1413	800	1121	389	545
Johnson	87519	122582	42566	59619	11779	16498	10716	15009	4392	6152	5185	7262	3009	4214	3422	4793	6427	9002
Jones	31121	43589	17065	23902	2105	2948	5288	7407	1907	2671	2156	3020	1290	1807	1085	1520	220	308
Keokuk	26562	37203	15013	21028	1938	2714	4678	6552	1384	1938	1556	2179	851	1192	1002	1403	137	192
Kossuth	34631	48505	20784	29111	2378	3331	5669	7940	1487	2083	1546	2165	1427	1999	1108	1552	227	318
Lee	81786	114552	39078	54734	10187	14268	11961	16753	6935	9713	6768	9479	3723	5215	2577	3609	546	765
Linn	266167	372801	135555	189862	29700	41599	35638	49916	21158	29634	22970	32172	10601	14848	5163	7231	5339	7478
Louisa	19706	27601	10402	14569	1738	2434	2612	3658	1622	2272	1607	2251	897	1256	695	973	130	182
Lucas	22930	32116	10966	15359	2717	3806	4216	5905	1584	2219	1885	2640	665	931	787	1102	108	151
Lyon	18965	26563	12032	16852	1040	1457	3097	4338	763	1069	826	1157	450	630	616	863	138	193
Madison	23506	32923	12289	17212	1870	2619	4861	6808	1493	2091	1370	1919	699	979	786	1101	135	189
Mahaska	42321	59276	21848	30601	3682	5157	5609	7856	3317	4646	3372	4723	1453	2035	2111	2957	924	1294
Marion	57184	80094	26601	37258	10271	14386	9155	12823	3231	4525	3288	4605	970	1359	2342	3280	1319	1847
Marshall	76232	106773	40597	56861	6354	8900	9190	12872	4620	6471	5067	7097	2887	4044	6443	9024	1063	1489
Mills	37892	53073	11838	16581	3028	4241	4244	5944	15009	21022	2363	3310	744	1042	517	724	146	204
Mitchell	21974	30777	13551	18980	1540	2157	3465	4853	946	1325	871	1220	947	1326	524	734	127	178

Table 7. Government Payments (in \$1,000s and adjusted to 1995 \$1,000s) to Individuals in Iowa Counties, 1985 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$	1985\$	1995\$
Monona	25207	35306	12957	18148	2098	2939	4955	6940	1643	2301	1638	2294	752	1053	1042	1459	119	167
Monroe	21522	30144	9079	12716	3713	5201	3880	5434	1414	1980	1626	2277	860	1205	853	1195	95	133
Montgomery	29257	40978	15326	21466	2564	3591	6107	8554	1778	2490	1561	2186	930	1303	845	1184	143	200
Muscatine	67024	93876	34493	48312	6595	9237	9116	12768	5361	7509	6154	8619	2817	3946	2031	2845	446	625
O'Brien	29863	41827	18490	25898	1894	2653	5108	7154	1223	1713	1419	1987	650	910	731	1024	344	482
Osceola	13474	18872	8584	12023	755	1057	2132	2986	494	692	582	815	468	655	370	518	87	122
Page	39183	54881	21040	29469	3082	4317	7000	9804	2795	3915	2659	3724	1221	1710	1181	1654	199	279
Palo Alto	23289	32619	13595	19042	1289	1805	3959	5545	1238	1734	1568	2196	794	1112	710	994	133	186
Plymouth	37756	52882	22207	31104	2454	3437	6276	8790	1823	2553	1782	2496	1428	2000	1146	1605	635	889
Pocahontas	20022	28043	12918	18093	1097	1536	2963	4150	952	1333	843	1181	499	699	628	880	119	167
Polk	565559	792138	250492	350846	72562	101632	89512	125373	53424	74827	50981	71405	19736	27643	19363	27120	9489	13291
Pottawattamie	168062	235392	65307	91471	33239	46555	25893	36266	15125	21184	13965	19560	6615	9265	5476	7670	2420	3390
Poweshiek	32187	45082	18455	25849	2739	3836	5415	7584	1653	2315	1779	2492	1062	1487	588	824	491	688
Ringgold	12111	16963	6251	8755	919	1287	2072	2902	993	1391	1062	1487	319	447	428	599	65	91
Sac	25873	36238	15892	22259	1518	2126	4218	5908	1140	1597	1186	1661	909	1273	862	1207	145	203
Scott	270816	379312	110633	154956	48829	68391	36413	51001	26360	36921	28388	39761	10731	15030	4381	6136	5036	7054
Shelby	24754	34671	14099	19747	1562	2188	4706	6591	1133	1587	1268	1776	1091	1528	735	1029	157	220
Sioux	42444	59448	25237	35348	2263	3170	7144	10006	1823	2553	1878	2630	1266	1773	1276	1787	1550	2171
Story	88856	124454	43630	61109	10916	15289	12240	17144	3532	4947	3843	5383	2273	3184	2666	3734	9737	13638
Tama	34306	48050	19847	27798	2453	3436	5379	7534	2160	3025	2049	2870	1237	1733	960	1345	206	289
Taylor	16848	23598	9456	13244	1032	1445	3031	4245	974	1364	1221	1710	493	691	553	775	86	120
Union	30179	42270	14490	20295	3446	4827	5132	7188	2198	3079	2507	3511	910	1275	1029	1441	464	650
Van Buren	16262	22777	9264	12975	1113	1559	2798	3919	859	1203	1123	1573	637	892	378	529	88	123
Wapello	91771	128537	42647	59733	10536	14757	14740	20645	7202	10087	8186	11466	3562	4989	3758	5264	1129	1581
Warren	47773	66912	22072	30915	6425	8999	7593	10635	3734	5230	3185	4461	1662	2328	2260	3165	833	1167
Washington	34759	48684	20727	29031	2614	3661	5448	7631	1815	2542	1735	2430	1363	1909	835	1170	217	304
Wayne	19488	27295	9742	13645	1742	2440	4310	6037	1182	1656	1447	2027	426	597	553	775	84	118
Webster	89211	124951	46119	64596	7788	10908	13564	18998	6639	9299	6848	9592	3287	4604	3087	4324	1868	2616
Winnebago	22962	32161	14185	19868	1419	1987	3661	5128	1037	1452	991	1388	882	1235	644	902	140	196
Winneshiek	31696	44394	17004	23816	2489	3486	5440	7619	1231	1724	1561	2186	1562	2188	990	1387	1414	1980
Woodbury	204829	286889	93852	131452	22025	30849	34749	48670	20471	28672	17834	24979	7477	10472	4640	6499	3781	5296
Worth	16622	23281	9186	12866	2027	2839	2525	3537	853	1195	805	1128	699	979	430	602	95	133
Wright	32550	45590	18942	26531	3238	4535	4808	6734	1735	2430	1694	2373	1132	1586	826	1157	172	241
State of Iowa	5145348	7206718	2587231	3623748	535668	750272	803213	1125003	394685	552807	381082	533754	197666	276857	158072	221400	87731	122878

## Medical Payments

Medical payments to individuals totaled \$2.8 billion in 1995, with more than half of this (\$1.6 billion) related to Medicare and the remainder (\$1.2 billion) from other medical programs (Table 1). The two medical categories together accounted for 30.7 percent of government payments to individuals in Iowa in 1995. Ten years earlier, 23.3 percent of total transfer payments were from the two medical categories (Table 7). Thus, the percentage of total payments contributed by medical payments increased from 1985 to 1995 while it decreased for the retirement/disability payments.

In 1995, Polk was the only county reporting at least \$100 million in either the Medicare or the other medical payment programs. Residents in Black Hawk, Linn, Scott, and Woodbury received at least \$50 million in each of them.

The four categories of retirement/disability and medical payments to individuals accounted for \$8.0 billion (or 88.0 %) of the \$9.1 billion of total transfer payments in 1995. For each year reported, at least 84 percent of transfer payments statewide came from these four categories as did more than three-fourths of the transfer payments to any county (Tables 1-7).

## Income Maintenance, Unemployment Insurance, Veterans Benefits, and Other Payments

Income maintenance benefit payments exceeded \$600 million in 1995; that represents 6.8 percent of total government payments to individuals and is the only one of the remaining categories with at least 2 percent of the total. Payments of income maintenance benefits increased from \$381 million in 1985 to \$412 million in 1990 and \$616 million in 1995. As with previous categories, these payments were higher in counties with larger numbers of residents. Thirteen counties noted income maintenance benefit payments of at least \$10 million in 1995, with Polk highest at \$83 million. Payments to residents of less than \$2 million occurred in 19 counties; Audubon and Osceola were lowest at \$1.1 million.

Unemployment insurance benefit payments decreased by nearly \$25 million when 1985 (\$198 million) and 1995 (\$173 million) were compared. The 1990 figure (\$152 million) was substantially below either 1985 or 1995, but those for 1991 (\$201 million, Table 5), 1992 (\$272 million, Table 4), and 1993 (\$251 million, Table 3) were much higher than those for the two most recent years. Indeed, payments related to unemployment tend to change more dramatically than any of the other categories reported in Tables 1 through 7.

Benefit payments for veterans increased when 1985, 1990, and 1995 were compared. The "other payments" category had a higher amount in 1990 than five years earlier but was approximately the same as five years later. In 1995, unemployment insurance benefit payments, benefit payments for veterans, and "other payments" generally varied across counties in manners similar to those for other payment categories. Some exceptions were evident. For example, Story had the highest amount in the "other payment" category; that's because of federal education and training assistance payments that were received by residents. And Marshall was relatively high on benefits for veterans, in part because of a facility located in that county. Usually, population size was the key, with counties with larger populations receiving higher totals in each category.

**Note:** Information on other categories of income received by individuals is reported in the previous section in this volume ("Personal Income in Iowa's Counties: 1985-1995").

## Median Household Income in Iowa's Counties: 1979, 1989, and 1993

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The U.S. Bureau of the Census provides data on median household income in each decennial census. Estimates are released between censuses as well, with the most recent for 1993. Income is based on responses to questions on amounts reported separately for wage or salary income; net nonfarm self-employment income; net farm self-employment income; interest, dividend, or net rental or royalty income; Social security or railroad retirement income; public assistance or welfare income; retirement or disability income; and all other income. It does not include money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for persons, and so on; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. Income of households includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Because many households consist of only one person, average household income usually is less than average family income.

Questions on money income are included in the decennial census. For the 1993 estimate, statistical prediction models were developed by the census bureau that rely on administrative data derived from tax returns, data from the Bureau of Economic Analysis on personal and per capita income, decennial census counts, intercensal population estimates, and the March Current Population Survey conducted each year by the census bureau. As the bureau noted, the model-based 1993 estimates are not directly comparable to the census results because the methods used to produce the medians differ substantially. Still, they are the only known updates for household income. Another note of caution is in order; the larger the population base for the estimates, generally the smaller the degree of error in calculating the estimate. That means that the figures for counties should be accepted with less confidence than those for the state and that medians for counties with relatively small populations are particularly susceptible to estimation problems. Finally, the state estimate was done in a manner that differed from what occurred with counties, which further complicates comparisons.

In 1993, median household income in Iowa was estimated to be \$28,867 (Table 1); that's the point at which half the households reported more income and half reported less. The 1993 median was more than \$2,600 higher than that in 1989, which in turn exceeded the 1979 figure by \$9,400.

In 1993, medians varied from less than \$25,000 in 10 counties to more than \$35,000 in seven others. The lowest figure was \$20,598 in Wayne, which had the lowest median for 1989 as well; Ringgold reported the lowest figure for 1979. Warren's median of \$39,273 topped all other counties in 1993; it also had the top figure in 1989, although the median in Scott was the highest in 1979.

The manners in which the 1993 and the 1979/1989 medians were calculated differed greatly. Thus, it is not recommended that change between the 1993 figures and those for the two censuses be calculated. Change between the 1979 and 1989 figures can be examined, however, because they are based on the same methodology.

Table 1. Median Household Income in Iowa Counties, 1979, 1989, 1993.

County	1993 Estimate	1989 Census	1979 Census	County	1993 Estimate	1989 Census	1979 Census
Adair	26693	21426	12527	Jefferson	27389	22630	14162
Adams	23996	20570	12844	Johnson	35112	27862	16253
Allamakee	25692	21098	13098	Jones	29384	24480	16297
Appanoose	22114	17833	11352	Keokuk	26921	22234	13501
Audubon	26143	21501	13722	Kossuth	28862	23321	15373
Benton	32313	25959	16742	Lee	29495	24671	16590
Black Hawk	30795	25683	19494	Linn	37432	32137	20084
Boone	31356	26110	16471	Louisa	30978	25590	16674
Bremer	33811	27326	18102	Lucas	25973	21316	12073
Buchanan	29557	23386	16066	Lyon	29452	22676	14776
Buena Vista	30466	25311	16222	Madison	32025	26644	15591
Butler	28623	23292	15698	Mahaska	29110	23115	14245
Calhoun	27256	22496	15036	Marion	34533	27991	16549
Carroll	30606	24391	16109	Marshall	31981	28333	17856
Cass	26420	21801	14136	Mills	32704	27420	16417
Cedar	33143	27713	17292	Mitchell	29977	24519	14450
Cerro Gordo	29546	25116	16443	Monona	24565	20714	13438
Cherokee	29327	22967	15609	Monroe	24694	20745	13190
Chickasaw	30000	24656	15541	Montgomery	28053	23312	14830
Clarke	24915	21735	12158	Muscatine	35302	29786	18233
Clay	30419	25028	16222	O'Brien	29000	23125	14718
Clayton	26020	21406	13356	Osceola	27412	23037	15215
Clinton	30153	25410	18516	Page	27912	22050	13805
Crawford	27658	22209	15633	Palo Alto	25945	21223	14590
Dallas	35267	28874	18661	Plymouth	32367	26796	15889
Davis	25458	20054	13015	Pocahontas	28436	23517	14611
Decatur	21638	18105	11074	Polk	37221	31221	18849
Delaware	30776	25757	15991	Pottawattamie	30007	26639	16930
Des Moines	31427	26536	17252	Poweshiek	31516	26063	15566
Dickinson	30212	25211	16032	Ringgold	23319	20761	10011
Dubuque	32881	28276	19396	Sac	26595	21818	14781
Emmet	27663	22790	16338	Scott	35374	29979	20767
Fayette	25945	21109	14815	Shelby	28742	22702	15214
Floyd	27608	23344	16031	Sioux	33203	25692	16163
Franklin	28330	23741	15365	Story	34073	26668	17006
Fremont	27313	22948	13201	Tama	29269	24297	15448
Greene	27435	22320	14464	Taylor	21625	18641	11747
Grundy	32876	26314	18006	Union	25382	21550	13661
Guthrie	27614	23356	13352	Van Buren	23338	19244	11569
Hamilton	30963	25847	16304	Wapello	25590	21060	14915
Hancock	29925	25445	15967	Warren	39273	32452	20087
Hardin	28277	23457	15541	Washington	30845	25822	15043
Harrison	27022	22258	13895	Wayne	20598	17599	10828
Henry	30913	24952	15662	Webster	28434	23692	16369
Howard	25419	21913	13795	Winnebago	28799	23480	14873
Humboldt	29923	24557	15843	Winneshiek	29922	24383	13718
Ida	28664	22859	13632	Woodbury	30055	25186	16054
Iowa	32729	26579	17063	Worth	27239	22902	15617
Jackson	27273	22487	16308	Wright	28812	24582	15633
Jasper	34341	28702	16986				
				State of Iowa	28867	26229	16799

## Poverty in Iowa's Counties: 1969, 1979, 1989, and 1993

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In 1997, the U.S. Bureau of the Census released estimates of poverty in counties as of 1993. These estimates were based on administrative data available at the federal level: income tax returns; food stamps, supplemental security income, and aid to families with dependent children; and regional income estimates. A formula taking these and other factors into account was used to generate the county estimates. A second set of estimates for 1993 was based on state tax data furnished by the Iowa Department of Revenue and Finance. This information was derived from individuals who file a state tax return. Different techniques and data bases were used to arrive at these two sets of estimates; they result in numbers that vary substantially within some counties, thus suggesting that care should be taken when using them.

Information also is included in this section from each decennial census beginning with 1970. Poverty status was determined by comparing a person's or family's income for the calendar year before the census is taken to national poverty thresholds. An individual or family with income below the threshold was classified as below the poverty level. Everyone in a particular family was given the same poverty status.

Income levels for determining poverty status are provided by the U.S. Department of Health and Human Services between censuses; they are adjusted for family size. For a one-person unit, the poverty threshold was \$6,970 in 1993; it was \$9,430 for a two-person unit, \$11,890 for a three-person unit, and \$14,350 for a four-person unit. For a unit of eight persons, the guideline was \$24,190. For comparative purposes, the poverty thresholds for one-person units were \$6,310 in 1989, \$3,686 in 1979, and \$1,834 in 1969; they were \$12,674, \$7,412, and \$3,721 for four-person units in 1989, 1979, and 1969, respectively. Some caution is urged in comparing data across the censuses; for example, 1969 poverty thresholds were lower for people living on farms, because it was assumed that they grew some of their own food. That distinction was dropped in later censuses.

### Poverty Estimates for 1993

The two 1993 estimates suggest that about 300,000 Iowans were classified as poor that year (Table 1). The estimate by the census bureau (311,000) is higher than the one completed in Iowa (292,000). Neither differs greatly from the figure of 307,000 that was obtained for 1989 in the most recent decennial census. The 1993 percentages differ by less than a point for the state, with the calculations done in Iowa yielding 10.3 percent and those completed by the census bureau resulting in 11.1 percent. In 1989, 11.5 percent of Iowa's population was in poverty. When the 1969-1993 period is examined, little change is evident in numbers or percentages classified as poor for the state.

According to the estimates released by the census bureau, percentages in poverty ranged from less than 8 percent in Dallas, Grundy, Iowa, Plymouth, Sioux, and Warren counties to more than 16 percent in Appanoose, Decatur, Ringgold, Taylor, and Wayne. Thirty counties had from 10.0 to 11.9 percent of residents classified as poor according to this 1993 estimate. Fewer than 1,000 residents were counted as poor in nine counties (Adams, Audubon, Grundy, Humboldt, Ida, Osceola, Pocahontas, Ringgold, Worth), although in three of these the percentages of poor residents were higher than the state average. Numbers in poverty exceeded 10,000 in six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury); in two of these, the percentage poor was below the state's figure even though the numbers were large.

Table 1. Poverty in Iowa Counties, 1969-1993.

County	1993 Iowa Estimates*		1993 Census Estimates		Census					
	Poor Persons	% Poor	Poor Persons	% Poor	1989		1979		1969	
					Poor Persons	% Poor	Poor Persons	% Poor	Poor Persons	% Poor
Adair	1070	12.7	1018	12.4	1103	13.4	1578	16.9	1288	13.7
Adams	786	17.1	706	15.7	796	16.8	812	14.4	1163	18.7
Allamakee	2270	16.3	1687	12.3	1794	13.2	2141	14.5	3120	21.2
Appanoose	2198	15.9	2613	19.1	2735	20.4	2642	17.3	3080	20.8
Audubon	957	13.6	798	11.7	859	12.1	1086	13.0	1591	16.8
Benton	2207	9.5	2275	9.6	2502	11.4	2672	11.5	2366	10.5
Black Hawk	10755	8.6	17104	13.9	17932	15.3	12130	9.3	12808	10.1
Boone	1914	7.6	2300	9.3	2119	8.8	2279	9.1	2569	10.3
Bremer	2155	9.3	1868	8.1	1962	9.2	1800	7.6	2406	11.2
Buchanan	3128	14.8	2790	13.3	3395	16.7	2627	11.8	3458	16.3
Buena Vista	2293	11.3	1883	9.5	1633	8.7	1649	8.4	2220	11.1
Butler	1771	11.3	1550	9.9	1649	10.7	1675	9.7	2145	12.8
Calhoun	1399	12.1	1256	11.3	1317	11.9	1366	10.4	1855	13.3
Carroll	2690	12.4	2129	10.0	2220	10.6	1972	8.8	2957	13.1
Cass	2032	13.5	1798	12.1	1693	11.5	1932	11.7	2065	12.4
Cedar	1795	10.2	1638	9.4	1751	10.2	1945	10.6	1717	9.9
Cerro Gordo	4476	9.6	4796	10.4	4050	8.9	4083	8.7	5313	10.9
Cherokee	1689	12.1	1308	9.6	1528	11.2	1686	10.7	1728	10.3
Chickasaw	1928	14.5	1277	9.6	1402	10.7	1731	11.4	2293	15.5
Clarke	1307	15.6	1229	15.1	1122	13.7	1406	16.4	1259	16.9
Clay	1899	10.7	1741	9.9	1722	10.0	1871	9.7	2056	11.3
Clayton	3458	18.3	2268	12.1	2696	14.4	2872	13.9	3559	17.5
Clinton	5405	10.5	6054	11.9	5411	10.8	4312	7.7	5004	8.9
Crawford	2379	14.4	2162	13.2	2606	15.9	2289	12.3	2544	13.6
Dallas	2832	9.0	2533	7.9	2222	7.6	2078	7.2	2576	10.0
Davis	1472	17.5	1248	14.9	1440	17.8	1969	22.0	1397	17.3
Decatur	1476	18.3	1588	19.9	1598	21.0	1711	19.5	2026	23.1
Delaware	3419	18.7	2224	12.2	2272	12.8	2498	13.4	3680	19.8
Des Moines	4288	10.0	5066	11.9	4748	11.3	3798	8.4	4138	8.9
Dickinson	1658	10.8	1302	8.5	1338	9.2	1320	8.5	1666	13.4
Dubuque	9566	10.9	9021	10.3	8528	10.3	7475	8.3	9371	10.7
Emmet	1472	12.9	1384	12.5	1447	13.0	1656	12.7	1981	14.5
Fayette	3125	14.2	2950	13.5	3020	14.2	2694	10.8	3885	14.9
Floyd	2134	12.7	2102	12.8	2200	13.3	1751	9.2	2362	12.2
Franklin	1341	11.9	1213	11.0	1259	11.3	1555	12.1	1710	13.0
Fremont	1099	13.5	1005	12.4	972	12.2	1528	16.6	1421	15.5
Greene	1199	11.8	1125	11.3	1203	12.2	1561	13.1	1773	14.0
Grundy	1010	8.4	910	7.5	980	8.3	896	6.3	1077	7.7
Guthrie	1428	12.7	1314	11.8	1195	11.2	1737	14.9	1639	13.6
Hamilton	1666	10.4	1528	9.6	1296	8.2	1658	9.4	2025	11.1
Hancock	1563	12.8	1224	10.2	1099	8.9	1123	8.2	1525	11.7
Hardin	2145	11.5	2134	11.8	1961	10.8	2185	10.5	2551	11.9
Harrison	1650	11.1	1889	12.8	1975	13.8	2508	15.6	2325	14.5
Henry	1952	10.0	1971	10.6	1784	10.1	1451	8.2	1677	9.8
Howard	1769	17.9	1272	13.1	1321	13.8	1616	14.8	2174	19.2
Humboldt	1088	10.4	962	9.3	933	8.8	1015	8.4	1549	12.5
Ida	1221	14.7	820	10.0	945	11.6	1245	14.2	968	10.8
Iowa	1388	9.3	1083	7.3	1176	8.2	1211	8.0	2087	13.7
Jackson	3053	15.2	2658	13.2	2811	14.3	2834	12.8	3348	16.2
Jasper	2994	8.6	2960	8.5	2367	7.0	2888	8.1	3416	9.8

\*Based on data from the Iowa Department of Revenue and Finance



Table 1. Poverty in Iowa Counties, 1969-1993 (continued).

County	1993 Iowa Estimates*		1993 Census Estimates		Census					
	Poor Persons	% Poor	Poor Persons	% Poor	1989		1979		1969	
					Poor Persons	% Poor	Poor Persons	% Poor	Poor Persons	% Poor
Jefferson	1970	11.7	2312	13.7	2115	13.9	1815	12.3	1838	12.3
Johnson	6318	6.4	9035	9.1	14899	17.1	11418	14.9	8548	13.1
Jones	2435	12.3	2130	11.4	2043	11.5	2045	10.6	2422	12.8
Keokuk	1688	14.5	1497	13.1	1490	13.1	1621	12.7	2470	18.0
Kossuth	2515	13.8	2048	11.4	1997	11.0	2584	12.0	3162	13.9
Lee	4254	10.9	5044	13.3	4783	12.9	3692	8.9	4422	10.6
Linn	13598	7.8	16734	9.5	14186	8.6	11292	6.8	12579	7.8
Louisa	1558	13.3	1378	11.8	1328	11.7	1341	11.3	1105	10.5
Lucas	1200	13.3	1217	13.7	1156	13.1	1601	15.9	1854	18.7
Lyon	1710	14.3	1181	10.0	1564	13.3	1691	13.3	1809	13.7
Madison	1348	10.5	1248	9.7	1354	11.1	1538	12.5	1699	14.9
Mahaska	2477	11.5	2635	12.1	2718	13.0	2747	12.5	3768	17.7
Marion	2598	8.5	2738	9.2	2762	10.0	2640	9.6	3277	13.6
Marshall	4145	10.9	4124	11.1	3188	8.7	3225	8.0	3568	8.9
Mills	1230	9.2	1353	10.2	1270	10.2	1137	9.2	1039	9.7
Mitchell	1456	13.2	1054	9.7	1092	10.3	1538	12.8	1809	14.1
Monona	1274	12.7	1398	14.1	1436	14.8	1748	15.3	1750	14.7
Monroe	1200	14.7	1257	15.6	1235	15.6	1244	13.7	1823	19.9
Montgomery	1386	11.5	1309	11.1	1188	10.1	1237	9.4	1630	13.0
Muscatine	4246	10.3	4399	10.7	3967	10.1	3609	9.1	3364	9.2
O'Brien	1983	12.9	1463	9.7	1815	12.1	1735	10.4	2053	12.0
Osceola	907	12.6	657	9.3	699	9.8	910	11.0	1346	15.9
Page	1745	10.5	2064	12.7	2222	13.8	2041	11.1	2596	14.6
Palo Alto	1496	14.3	1344	13.1	1582	15.3	1502	12.1	2099	16.1
Plymouth	2443	10.2	1842	7.6	2045	9.0	2833	11.8	3208	13.7
Pocahontas	1153	12.6	972	10.8	969	10.4	1386	12.4	1533	12.2
Polk	27952	8.2	34930	10.1	29364	9.2	24882	8.4	24733	8.8
Pottawattamie	9010	10.8	10501	12.6	8524	10.5	8238	9.6	9037	10.5
Poweshiek	1784	9.4	1795	9.5	1839	10.4	2089	11.6	2186	12.3
Ringgold	916	17.0	920	17.3	906	17.2	1478	24.7	1217	19.4
Sac	1681	13.9	1338	11.1	1419	11.8	1486	10.7	1764	11.5
Scott	13703	8.8	19869	12.7	17914	12.1	12355	7.9	12455	8.9
Shelby	1889	14.4	1342	10.4	1205	9.4	1844	12.6	1983	13.0
Sioux	3131	10.2	2134	6.9	2240	8.1	3007	10.4	4007	14.9
Story	4234	5.7	6883	9.2	10515	16.5	7353	12.2	6122	11.5
Tama	2384	13.5	1882	10.7	1789	10.6	2137	11.2	2425	12.3
Taylor	1173	16.6	1140	16.3	1265	18.3	1463	17.8	1894	21.9
Union	1724	13.7	1788	14.4	1930	15.5	1817	13.4	2173	16.3
Van Buren	1261	16.2	1089	14.1	1271	16.8	1669	19.6	1832	21.5
Wapello	4456	12.4	5437	15.1	5344	15.3	4009	10.2	5439	13.2
Warren	2847	7.5	2759	7.2	2174	6.3	2227	6.6	2106	7.9
Washington	2308	11.4	1978	9.9	1797	9.5	2567	13.0	1718	9.2
Wayne	1028	14.7	1164	16.9	1323	19.1	1519	18.8	1832	22.0
Webster	4198	10.5	5284	13.6	4600	11.8	4168	9.4	5075	10.8
Winnebago	1315	11.1	1122	9.5	1346	11.7	894	7.3	1006	8.2
Winneshiek	2640	12.5	2137	10.2	2477	13.2	2680	13.5	2774	14.0
Woodbury	11555	11.5	13400	13.2	12858	13.4	11193	11.4	12145	12.1
Worth	886	11.1	809	10.3	777	9.9	762	8.5	1006	11.3
Wright	1572	11.1	1493	10.6	1353	9.7	1649	10.3	1994	11.7
State of Iowa	291949	10.3	311358	11.1	307420	11.5	286173	10.1	318605	11.6

A review of the estimates computed with tax data from the State of Iowa revealed that Boone, Johnson, Linn, Story, and Warren had percentages less than 8, while Adams, Allamakee, Clayton, Davis, Decatur, Delaware, Howard, Ringgold, Taylor, and Van Buren exceeded 16. Thirty-two counties varied from 10.0 to 11.9 percent. Adams, Audubon, Osceola, Ringgold, and Worth were the only counties with fewer than 1,000 residents in poverty, while Black Hawk, Linn, Polk, Scott, and Woodbury had at least 10,000 when this set of estimates was examined.

Differences in the percentages resulting from the two estimates were at least 5 points in Black Hawk, Clayton, and Delaware and from 4.0 to 4.9 points in Allamakee, Chickasaw, Howard, Ida, Lyon, and Shelby. In all of these cases except Black Hawk, the Iowa-generated estimate was higher than that from the census bureau. Urban counties tended to have higher percentages in poverty in the census bureau's estimates than those done in Iowa.

In numerical terms, the differences between the estimates were greatest for Black Hawk, Polk, and Scott, where the bureau's estimates are at least 6,000 above those from the figures calculated in Iowa. Twenty-four counties varied by 100 persons or fewer between the two estimates; generally, these have relatively small numbers in poverty.

### **Poverty Counts for 1969, 1979, and 1989**

In 1989, Iowa had 307,000 persons with income below the poverty level (Table 1). That was more than in 1979 but fewer than in 1969. Percentages of persons in poverty were nearly identical in 1989 (11.5%) and 1969 (11.6%); both were more than a percentage point higher than the figure in 1979 (10.1%).

For Iowa's counties in 1989, the number of persons below the poverty level varied from 699 (Osceola) to 29,364 (Polk). Ten counties had fewer than 1,000 while seven counties had 10,000 or more. Percentages of persons in poverty were below the state's 11.5% in about half the counties (48). Forty-nine counties were above the state's percentage while two counties were the same as the state. Dallas, Jasper, and Warren were the only counties with 1989 percentages below 8.0; percentages of 20 or higher occurred in Appanoose and Decatur.

Iowa had about 11,000 fewer persons below the poverty level in 1989 than in 1969. Seventy-seven counties followed the state trend with fewer persons in poverty in the later year. For eight counties, declines over the 20 years were at least 1,000 (Allamakee, Cerro Gordo, Delaware, Jasper, Kossuth, Mahaska, Plymouth, Sioux). Increases in the number of persons below the poverty level were noted in 22 counties; gains of at least 4,000 occurred in five counties (Black Hawk, Johnson, Polk, Scott, Story).

Although the percentage of Iowans in poverty was only 0.1 lower in 1989 than in 1969, two-thirds (67) of the counties had lower percentages in the later year. Seven counties (Allamakee, Delaware, Howard, Iowa, Lucas, Osceola, Sioux) had percentages at least five points lower in 1989 than in 1969. Percentages of persons in poverty increased between the two years in 31 counties; two counties (Black Hawk, Story) had increases of at least five percentage points. Pottawattamie reported the same percentage at the beginning and the end of the period.

## State Personal Income Tax in Iowa's Counties: 1980, 1985, 1990, and 1995

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Each year, individuals file personal income tax returns with the State of Iowa. The Iowa Department of Revenue and Finance summarizes some of the information provided on tax returns and reports it for the state and its counties. In this section, details on the number of returns and the credits claimed are noted along with adjusted gross income, net taxable income, and tax paid. Four points in a 16-year period were selected for examination: 1980, 1985, 1990, and 1995. The 1995 data are the most recent that are available. In the analysis that follows, discussion will be limited to returns filed by residents of Iowa. Information for nonresident returns is included at the end of each table as well as data on the total returns (returns from Iowa residents plus returns from nonresidents).

### Returns and Credits

In 1995, 1,604,375 returns were received from Iowans (Table 1). That number was about 6,500 lower than the 1,610,870 filed in 1990 (Table 2). The 1985 figure was 1,494,220 (Table 3), while it was 1,517,476 (Table 4) in 1980. Credits claimed on returns, which represent those for filers, spouses, and dependents, changed from 1980 to 1995 as well. For dependents, credits decreased from 1980 to 1990, which corresponds with population declines that occurred during much of the 1980s in this state. Also, fewer youth were in the state in part because of the aging of the baby-boom generation. An increase of nearly 12,000 occurred between 1990 and 1995. Personal credits increased between 1985 and 1990 but then declined slightly to the 1995 figure.

The number of returns varied substantially across Iowa's counties, with population size the primary cause of differences. Polk had nearly 208,000 returns in 1995; Linn's 107,000 was the only other county with at least 100,000 returns. Black Hawk, Dubuque, Johnson, Scott, and Woodbury had at least 50,000 tax returns filed that year. More than half (55) of the counties reported fewer than 10,000 returns, with Adams and Ringgold below 3,000.

Returns from Iowa residents increased by more than 110,000 when 1985 and 1995 were compared. Higher numbers of returns occurred in 1995 than in 1985 in two-thirds (69) of Iowa's 99 counties as well. Gains between 1985 and 1995 exceeded 10,000 returns in Linn and Polk. Another 20 counties reported increases of 1,000 to 9,999 returns. No county decreased by at least 1,000 among the 30 counties with fewer tax returns in 1995 than in 1985; only Cerro Gordo, Kossuth, and Webster declined by at least 500 returns. Claims of personal credits dropped in 49 counties in this period; this trend was even more pronounced for the dependent credits, which were lower in 84 counties in 1995 than 10 years earlier.

### Income and Tax Paid

On personal income tax forms for the state, income first is requested in a variety of categories. Then adjustments are allowed (for example, certain types of retirement savings, health insurance, alimony, moving expenses) for those qualified, the sum of which is subtracted from gross income. The result of these calculations generally is called adjusted gross income, which totaled nearly \$38.5 billion on state tax forms returned by Iowa filers for 1995. This amount was nearly double that of 1980 (\$19.6 billion). When inflation is taken into account, however, the change from 1980 (\$35.3 billion when adjusted to 1995 dollars) to 1995 (\$38.5 billion) reflects substantially smaller real growth in adjusted gross income.

Table 1. Personal Income Tax for 1995 (Filed in 1996) in Iowa Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)	Net Taxable Income (in \$1,000s)	Tax Paid (in \$1,000s)	Person Credits	Dependent Credits
Adair	4546	87026	67286	3212	6640	2153
Adams	2447	40824	31645	1424	3633	1121
Allamakee	7919	138763	106297	4507	11116	4113
Appanoose	6778	118703	91358	4162	9808	3401
Audubon	3836	67993	52810	2447	5645	1853
Benton	13485	288952	223724	11470	17947	6718
Black Hawk	65807	1646905	1228285	68366	87914	31213
Boone	14345	328007	250833	13354	19366	6672
Bremer	13753	320643	244356	13153	18361	6867
Buchanan	11115	237248	181561	9397	15186	6492
Buena Vista	11169	237249	181873	9310	15749	6095
Butler	8961	173904	134904	6644	12626	4363
Calhoun	6572	126883	98402	4821	9512	3002
Carroll	13014	264948	201600	10236	17516	7018
Cass	8663	167538	128207	6142	12514	4182
Cedar	10529	238289	183370	9838	14354	4910
Cerro Gordo	26436	601225	452568	23968	35839	12034
Cherokee	7952	156513	122120	6108	11119	3922
Chickasaw	7923	151922	118735	5781	10791	4059
Clarke	4654	81631	62487	2810	6608	2271
Clay	10713	230092	175066	9108	14400	5086
Clayton	10560	189080	144474	6367	14798	5409
Clinton	27733	621048	473067	24664	37919	14010
Crawford	9433	173299	133721	6371	13093	4914
Dallas	20634	549481	407094	22797	26961	10715
Davis	4127	74632	57688	2710	5916	2265
Decatur	3637	58880	45140	1897	5350	1927
Delaware	10262	192758	148475	7148	13767	6043
Des Moines	23809	569283	430577	23043	32656	11478
Dickinson	9950	236891	174172	9237	13702	3954
Dubuque	51790	1262403	937335	51400	67191	26570
Emmet	6282	123397	94947	4531	8809	3084
Fayette	11870	222004	171936	8141	16711	6261
Floyd	9500	195150	149560	7665	13194	4585
Franklin	6305	141391	108966	6058	8929	2958
Fremont	4355	86544	67723	2980	6251	2166
Greene	5998	116891	91364	4531	8625	2889
Grundy	7283	159987	123861	6494	10136	3418
Guthrie	6588	130215	100213	4973	9373	2961
Hamilton	9787	221559	168386	8910	13424	4493
Hancock	7053	134306	103678	4984	9849	3579
Hardin	11339	229615	176746	8844	15879	5127
Harrison	8015	161412	123759	4819	11018	4039
Henry	10966	238946	183748	9401	14785	5379
Howard	5703	101264	78449	3474	8222	3040
Humboldt	6258	134474	104493	5503	8758	2977
Ida	4593	104496	79102	4346	6542	2424
Iowa	9394	218153	165585	9035	12654	4471
Jackson	11289	213742	164595	7961	15639	5765
Jasper	21040	491778	374475	20016	28028	9637

Table 1. Personal Income Tax for 1995 (Filed in 1996) in Iowa Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)	Net Taxable Income (in \$1,000s)	Tax Paid (in \$1,000s)	Person Credits	Dependent Credits
Jefferson	8294	223029	165659	9354	11320	3924
Johnson	53950	1541235	1128129	64810	67169	22224
Jones	10859	219310	169517	8462	14790	5327
Keokuk	6526	119820	93010	4456	9373	3284
Kossuth	10233	192664	147497	7042	14329	5298
Lee	20744	459256	352306	18321	28517	10426
Linn	107324	3047088	2245296	129584	138283	49330
Louisa	6519	138435	107989	5507	8884	3826
Lucas	4685	99978	76545	4159	6707	2282
Lyon	6719	124859	96678	4440	9299	3890
Madison	7530	159692	121998	6215	10214	3814
Mahaska	11932	252556	192563	9957	16335	5980
Marion	17748	403917	304427	16016	23706	8923
Marshall	22632	534641	408414	21956	30806	11314
Mills	7084	159129	120371	4748	9526	3552
Mitchell	6246	123789	95772	4592	8821	3172
Monona	5430	108669	84201	4150	7915	2534
Monroe	4157	77331	59492	2860	6005	2093
Montgomery	6842	135452	104897	5089	9797	3201
Muscatine	23493	599343	449849	25098	31155	12483
O'Brien	9318	183766	140270	6954	13095	4782
Osceola	3825	74281	57770	2648	5238	1934
Page	9218	198111	153241	7897	13088	4244
Palo Alto	5761	106302	82286	3921	8296	2897
Plymouth	14100	318686	242384	12689	19018	7758
Pocahontas	5007	96813	75362	3698	7246	2521
Polk	207626	6167160	4472422	261543	264829	93984
Pottawattamie	45237	1022149	758450	27112	60536	22367
Poweshiek	10854	236311	179939	9219	14886	4919
Ringgold	2815	43554	33508	1438	4250	1336
Sac	6814	130702	101904	4997	9879	3420
Scott	85141	2403407	1772848	101492	113384	42825
Shelby	7873	147923	113242	5241	11115	3908
Sioux	17236	350034	263362	13238	23057	10239
Story	38451	1015520	754493	42300	49618	16177
Tama	10221	205609	159810	8029	14461	5054
Taylor	3588	58279	44954	1884	5410	1824
Union	7033	130069	99714	4733	9879	3257
Van Buren	4019	70478	55086	2519	5849	2046
Wapello	18749	405262	307420	15969	26349	8979
Warren	22006	538893	404890	21640	28038	11339
Washington	11860	242465	182978	9058	16240	5936
Wayne	3473	56800	43829	1889	5436	1708
Webster	21661	476878	362636	18999	29915	10504
Winnebago	7332	147309	111551	5350	10172	3543
Winneshiek	11018	224894	170402	8416	15046	5640
Woodbury	56188	1383489	1028040	52489	75317	31265
Worth	4418	84628	66081	3105	6172	1998
Wright	8416	175463	134838	6889	12039	4034
IA Resident Returns	1604375	38473769	28819136	1536731	2155632	781398
Nonresident Returns	124940	11364757	7514645	108586	178919	66595
Total Returns	1729315	49838526	36333781	1645316	2334551	847993

Table 2. Personal Income Tax for 1990 (Filed in 1991) in Iowa Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1990 \$s	1995 \$s	1990 \$s	1995 \$s	1990 \$s	1995 \$s		
Adair	4629	75980	88176	58276	67630	2777	3223	6855	2016
Adams	2623	37515	43537	28636	33232	1276	1481	3882	1194
Allamakee	8166	122893	142619	92423	107258	3992	4633	11234	4151
Appanoose	7018	103196	119760	77488	89926	3512	4076	10326	3363
Audubon	4140	62664	72722	47499	55123	2227	2584	6114	1845
Benton	12914	226703	263091	174045	201981	8560	9934	17516	6251
Black Hawk	67348	1421926	1650159	1053751	1222888	56943	66083	91150	32136
Boone	14581	269411	312654	203050	235642	10137	11764	19844	6586
Bremer	14337	272703	316475	206110	239193	10615	12319	19369	7222
Buchanan	11044	200466	232643	153251	177849	7948	9224	15365	6484
Buena Vista	11570	210432	244208	157737	183055	8009	9295	16198	5778
Butler	9079	145155	168454	111018	128837	5374	6237	12939	4429
Calhoun	7047	114229	132564	85720	99479	4145	4810	10277	3312
Carroll	13136	234150	271733	174937	203016	8969	10409	17660	7077
Cass	9200	151937	176324	114097	132411	5407	6275	13119	4309
Cedar	10695	196905	228510	151311	175598	7735	8977	14466	4955
Cerro Gordo	27453	532567	618049	396865	460566	19986	23194	37197	12227
Cherokee	8321	144234	167385	109929	127574	5438	6311	11634	4158
Chickasaw	8021	129849	150691	98810	114670	4710	5466	10989	4085
Clarke	4794	72465	84096	54724	63508	2497	2898	6840	2257
Clay	10615	198645	230529	149819	173866	7788	9038	14370	5059
Clayton	10829	162682	188794	123047	142797	5500	6383	14991	5584
Clinton	29071	539323	625890	408457	474018	20589	23894	39935	14248
Crawford	9842	154926	179793	115942	134552	5476	6355	13665	5087
Dallas	18978	388070	450359	288008	334236	15293	17748	25240	9590
Davis	4228	63288	73446	48009	55715	2207	2561	6077	2325
Decatur	3815	53198	61737	40012	46434	1715	1990	5552	1933
Delaware	10367	176872	205262	134543	156138	6662	7731	13814	5932
Des Moines	24734	489780	568395	368093	427176	18977	22023	33868	11531
Dickinson	9676	188481	218734	138262	160454	7242	8404	13488	3975
Dubuque	51905	1028695	1193811	764743	887492	39984	46402	67540	27036
Emmet	6709	112620	130697	85224	98903	4110	4770	9292	3255
Fayette	12388	196216	227711	149356	173329	7065	8199	17418	6273
Floyd	10162	169971	197253	127949	148486	6220	7218	14107	4691
Franklin	6523	112360	130395	84905	98533	4329	5024	9307	3014
Fremont	4482	72127	83704	54750	63538	2352	2730	6546	2230
Greene	6137	98073	113815	74554	86521	3530	4097	8834	2775
Grundy	7594	134499	156087	101980	118349	5116	5937	10607	3445
Guthrie	6952	113378	131576	86053	99865	4183	4854	9967	3071
Hamilton	10070	180023	208918	134819	156459	6675	7746	13854	4531
Hancock	7520	120941	140353	91393	106062	4330	5025	10407	3766
Hardin	11773	196240	227738	147852	171584	7227	8387	16619	5182
Harrison	8086	134141	155672	101649	117965	4153	4820	11386	4028
Henry	11156	196673	228241	148699	172567	7259	8424	15303	5299
Howard	6018	89032	103323	67563	78408	2932	3403	8645	3014
Humboldt	6546	117559	136428	89020	103309	4464	5181	9352	3049
Ida	4754	80511	93434	61192	71014	3057	3548	6935	2511
Iowa	9574	176458	204781	134775	156408	7004	8128	12975	4234
Jackson	11445	183562	213026	140274	162789	6748	7831	15847	5715
Jasper	21522	417521	484537	315194	365786	16264	18875	28906	9792

Table 2. Personal Income Tax for 1990 (Filed in 1991) in Iowa Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1990 \$s	1995 \$s	1990 \$s	1995 \$s	1990 \$s	1995 \$s		
Jefferson	8528	172153	199785	124826	144862	6561	7614	11958	3983
Johnson	50499	1192499	1383907	871449	1011325	48316	56071	62860	20718
Jones	10820	183858	213369	140457	163002	6941	8055	14906	5334
Keokuk	6888	107067	124252	81396	94461	3810	4422	10001	3288
Kossuth	11104	180544	209523	134682	156300	6392	7418	15331	5552
Lee	21271	399373	463476	304247	353082	15559	18056	29396	10387
Linn	104633	2405100	2791142	1768107	2051906	97845	113550	135395	47308
Louisa	6783	119778	139004	91730	106454	4531	5258	9364	3847
Lucas	5173	90731	105294	68171	79113	3512	4076	7491	2413
Lyon	7098	113682	131929	87244	101248	4045	4694	9696	4004
Madison	7380	130525	151476	99425	115384	4953	5748	10239	3735
Mahaska	11698	200435	232607	150953	175182	7373	8556	16289	5708
Marion	17509	332139	385451	247989	287794	12513	14521	23539	8617
Marshall	23151	462564	536810	346815	402482	18137	21048	31260	10799
Mills	6902	125302	145414	93302	108278	3706	4301	9345	3619
Mitchell	6617	111171	129015	84854	98474	4040	4688	9313	3131
Monona	5522	90134	104601	67670	78532	3269	3794	8290	2448
Monroe	4264	73989	85865	56078	65079	2939	3411	6192	2052
Montgomery	7225	118951	138044	89734	104137	4203	4878	10335	3279
Muscatine	23530	502684	583370	376707	437172	20617	23926	31416	12610
O'Brien	9736	162435	188507	122641	142326	5921	6871	13607	4817
Osceola	4116	67453	78280	51384	59632	2319	2691	5762	1976
Page	9361	162386	188451	121158	140605	5857	6797	13423	4436
Palo Alto	6185	98804	114663	74587	86559	3587	4163	8815	3055
Plymouth	13775	259825	301529	196721	228297	10140	11768	18742	7432
Pocahontas	5674	92917	107831	70454	81763	3382	3925	8186	2770
Polk	199711	4904672	5691920	3541386	4109813	199812	231884	255490	87789
Pottawattamie	45045	839660	974434	616243	715156	22094	25640	60495	21978
Poweshiek	11123	210511	244300	156701	181853	8044	9335	15142	4862
Ringgold	2884	37646	43689	28439	33004	1200	1393	4368	1280
Sac	7092	115133	133613	87613	101676	4294	4983	10366	3527
Scott	86166	1991888	2311606	1460759	1695225	80158	93024	114642	42993
Shelby	8218	129929	150784	97971	113696	4497	5219	11499	3981
Sioux	16869	299760	347874	223342	259191	11275	13085	22639	9899
Story	37822	815520	946419	601801	698396	32129	37286	48869	16059
Tama	10433	169721	196963	129061	149777	6226	7225	14758	4825
Taylor	3730	52544	60978	39948	46360	1718	1994	5755	1814
Union	7288	117037	135823	87993	102117	4089	4745	10284	3427
Van Buren	4206	60673	70412	46376	53820	2032	2358	6134	2020
Wapello	19147	352889	409531	265263	307840	13524	15695	27442	8893
Warren	21088	418048	485149	312782	362987	15925	18481	26885	10796
Washington	12169	215058	249577	162130	188153	8069	9364	16615	5954
Wayne	3835	54683	63460	41193	47805	1860	2159	5940	1693
Webster	22821	425460	493751	318380	369483	16393	19024	31602	10709
Winnebago	7720	127754	148260	97015	112587	4514	5239	10587	3705
Winneshiek	11386	189561	219987	142632	165526	6780	7868	15261	5655
Woodbury	53650	1083966	1257953	796679	924554	40064	46495	72225	28758
Worth	4616	74600	86574	56716	65819	2633	3056	6459	1980
Wright	8822	151685	176032	113706	131957	5560	6452	12602	3913
IA Resident Returns	1610870	31866140	36980970	23672721	27472427	1222067	1418221	2175031	769838
Nonresident Returns	94176	6746575	7829467	4716234	5473236	44708	51884	139744	53098
Total Returns	1705046	38612715	44810437	28388955	32945663	1266775	1470105	2314775	822936

Table 3. Personal Income Tax for 1985 (Filed in 1986) in Iowa Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1985 \$s	1995 \$s	1985 \$s	1995 \$s	1985 \$s	1995 \$s		
Adair	4323	47478	66499	35323	49474	1896	2656	6771	2226
Adams	2564	25650	35926	19442	27231	788	1104	4014	1308
Allamakee	7482	83102	116395	60697	85014	2506	3510	10731	4415
Appanoose	6267	72890	102092	54000	75634	2305	3228	9578	3495
Audubon	4085	42740	59863	31581	44233	1284	1798	6201	2128
Benton	12010	161991	226889	119053	166749	5530	7745	16789	6729
Black Hawk	63648	1044448	1462883	729467	1021712	37404	52389	86844	35264
Boone	13791	197738	276957	142199	199168	6697	9380	19063	6777
Bremer	13001	188230	263640	134075	187789	6509	9117	18058	7655
Buchanan	10013	129963	182030	94347	132145	4405	6170	14415	6750
Buena Vista	11137	146073	204594	105314	147506	4859	6806	16026	5818
Butler	8557	103495	144958	74964	104997	3316	4644	12618	4974
Calhoun	6725	78463	109897	56296	78850	2505	3509	10221	3482
Carroll	12519	165512	231821	117654	164789	5523	7736	17218	7853
Cass	9032	113589	159096	82525	115587	3712	5199	13072	4705
Cedar	9839	137442	192505	100853	141258	4792	6712	13796	5211
Cerro Gordo	26985	396474	555313	281696	394551	13613	19067	36704	13146
Cherokee	8175	105393	147616	77397	108404	3515	4923	11728	4578
Chickasaw	7421	89381	125190	65015	91062	2837	3974	10631	4659
Clarke	4302	49259	68994	36289	50827	1526	2137	6369	2296
Clay	10114	133497	186980	93727	131277	4312	6040	13973	5410
Clayton	9897	109975	154034	80949	113379	3303	4626	14325	6006
Clinton	27775	421132	589849	304337	426263	15073	21112	38683	15840
Crawford	9625	122151	171088	88580	124068	3994	5594	13717	5858
Dallas	16677	254519	356486	180472	252774	8786	12306	22612	9328
Davis	3901	44153	61842	32821	45970	1397	1957	5988	2442
Decatur	3893	40500	56725	30170	42257	1191	1668	5782	2217
Delaware	8903	108823	152421	79556	111428	3635	5091	12624	6198
Des Moines	23547	368348	515919	264359	370269	13204	18494	32496	12499
Dickinson	8652	117393	164424	82129	115032	3907	5472	12406	4088
Dubuque	47351	722910	1012528	513125	718697	25613	35874	62620	29652
Emmet	6413	77902	109112	55838	78208	2418	3387	9124	3614
Fayette	11610	137140	192082	100282	140458	4384	6140	16812	6915
Floyd	9856	123523	173010	88473	123918	4042	5661	13986	5324
Franklin	6447	84860	118857	61186	85699	2898	4059	9493	3379
Fremont	4286	51836	72603	37940	53140	1577	2209	6412	2280
Greene	6062	77403	108413	56503	79140	2620	3670	8938	3147
Grundy	7278	102523	143597	73695	103219	3627	5080	10418	3770
Guthrie	6232	73473	102908	54222	75945	2353	3296	9368	3277
Hamilton	9703	126903	177744	91728	128477	4262	5969	13763	4973
Hancock	7081	87918	123140	63600	89080	2861	4007	10138	3980
Hardin	11678	157659	220822	112305	157298	5269	7380	16842	5877
Harrison	7605	97136	136051	71052	99517	2793	3912	11193	4273
Henry	10191	138010	193301	100664	140993	4606	6451	14254	5493
Howard	5523	58342	81715	42268	59202	1677	2349	8354	3256
Humboldt	6235	81232	113776	58439	81851	2748	3849	9204	3350
Ida	4694	59202	82920	42992	60216	1994	2793	6863	2630
Iowa	8933	130245	182425	96117	134624	5295	7416	12448	4287
Jackson	10687	130099	182220	95338	133533	4296	6017	15298	6670
Jasper	19891	298536	418138	216949	303865	10628	14886	27315	10153



Table 3. Personal Income Tax for 1985 (Filed in 1986) in Iowa Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1985 \$s	1995 \$s	1985 \$s	1995 \$s	1985 \$s	1995 \$s		
Jefferson	7919	116789	163578	80112	112207	4109	5755	11267	3949
Johnson	45251	770051	1078555	535070	749434	27281	38211	57026	20479
Jones	9733	124497	174374	92112	129015	4220	5911	13875	5716
Keokuk	6670	77265	108220	58064	81326	2547	3567	10031	3542
Kossuth	11076	134375	188209	96273	134843	4319	6049	15820	6461
Lee	20645	313323	438849	227650	318853	11004	15413	29033	11454
Linn	93409	1628432	2280827	1142642	1600416	59529	83378	122601	49319
Louisa	5847	82350	115342	60107	84188	2855	3999	8388	3349
Lucas	4895	63426	88836	45903	64293	2222	3112	7310	2585
Lyon	6254	71115	99606	52052	72905	2156	3020	9165	4071
Madison	6476	83173	116494	60484	84716	2742	3841	9440	3712
Mahaska	10956	145135	203280	105754	148122	4903	6867	15630	5906
Marion	15819	243026	340389	175479	245781	8969	12562	21819	8709
Marshall	22017	354579	496633	252735	353988	12994	18200	30025	11778
Mills	6333	88311	123691	63756	89298	2508	3513	8875	3765
Mitchell	6090	74277	104034	54395	76187	2426	3398	8947	3281
Monona	5309	61516	86161	45098	63166	2001	2803	8196	2763
Monroe	3995	47396	66384	35099	49161	1556	2179	5979	2223
Montgomery	6905	89168	124891	65370	91559	2985	4181	10199	3483
Muscatine	21878	367925	515326	259721	363772	13345	18691	29453	12603
O'Brien	8949	109471	153328	78888	110493	3483	4878	13074	4945
Osceola	3961	47342	66309	34225	47936	1418	1986	5846	2196
Page	9331	120155	168292	87217	122159	3948	5530	13630	4733
Palo Alto	5867	70157	98264	50831	71195	2280	3193	8714	3403
Plymouth	12439	164938	231017	119992	168064	5551	7775	17776	7668
Pocahontas	5504	65879	92272	48012	67247	2174	3045	8339	3011
Polk	177052	3237487	4534515	2224453	3115631	120374	168599	229722	87932
Pottawattamie	42610	643341	901081	453231	634808	15589	21834	57697	23316
Poweshiek	10376	143704	201276	103916	145548	4871	6822	14407	5089
Ringgold	2774	25662	35943	19306	27041	711	996	4428	1390
Sac	6823	80405	112617	58519	81963	2629	3682	10350	3728
Scott	81350	1491619	2089203	1041834	1459222	55158	77256	108812	46491
Shelby	7730	98167	137495	71677	100393	3232	4527	11108	4328
Sioux	14955	188301	263740	133602	187127	5874	8227	21153	10232
Story	34720	556067	778843	393793	551557	19750	27662	45593	16382
Tama	10027	127107	178030	93127	130436	4258	5964	14509	5328
Taylor	3770	36622	51294	27377	38345	1028	1440	5954	1976
Union	6881	85849	120243	63272	88621	2791	3909	9974	3761
Van Buren	3878	40325	56480	30739	43054	1230	1723	5958	2158
Wapello	18556	268233	375695	193958	271663	9397	13162	26774	9861
Warren	18645	287915	403262	205186	287389	9916	13889	24344	11026
Washington	11350	150928	211394	108549	152037	5170	7241	15881	5932
Wayne	3701	38068	53319	28437	39830	1188	1664	5927	1811
Webster	22414	317388	444543	226012	316559	10752	15060	31248	11628
Winnebago	7290	98473	137924	70258	98405	3285	4601	10427	3842
Winneshiek	10267	123425	172873	89333	125122	3900	5462	14392	6139
Woodbury	49998	784830	1099255	548914	768824	26451	37048	68038	29133
Worth	4458	52171	73072	38013	53242	1595	2234	6518	2188
Wright	8451	112247	157216	79940	111966	3654	5118	12487	4213
IA Resident Returns	1494220	22419060	31400762	15918489	22295881	776609	1087740	2062455	812643
Nonresident Returns	68661	2214237	3101322	1382331	1936131	23517	32939	102572	45037
Total Returns	1562881	24633297	34502084	17300820	24232012	800127	1120680	2165027	857680

Table 4. Personal Income Tax for 1980 (Filed in 1981) in Iowa Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1980 \$s	1995 \$s	1980 \$s	1995 \$s	1980 \$s	1995 \$s		
Adair	4678	48866	88256	36673	66234	1544	2789	7085	2591
Adams	2717	26858	48508	20497	37019	828	1495	4194	1604
Allamakee	7235	72279	130541	53261	96193	2100	3793	10294	4955
Appanoose	6689	67981	122779	50127	90533	1940	3504	9940	4170
Audubon	4302	44893	81080	33419	60357	1373	2480	6407	2575
Benton	12084	154410	278876	113336	204693	5079	9173	16712	7573
Black Hawk	70231	1042873	1883505	723279	1306295	34501	62311	93021	41649
Boone	13781	172990	312433	125021	225797	5546	10016	18814	7283
Bremer	13056	173339	313063	123594	223220	5630	10168	17862	8461
Buchanan	10719	134725	243323	98345	177618	4424	7990	15012	7955
Buena Vista	11017	140870	254421	101470	183262	4707	8501	15814	6257
Butler	8810	105438	190429	77821	140550	3406	6151	12754	5623
Calhoun	7243	89107	160934	65590	118460	3035	5481	10772	4052
Carroll	12577	150721	272213	108208	195432	4823	8711	17124	8653
Cass	9087	103847	187555	75867	137021	3259	5886	13128	5071
Cedar	9825	122717	221636	90260	163016	4040	7297	13646	5699
Cerro Gordo	26246	333279	601926	232665	420210	10409	18799	35429	13884
Cherokee	8518	105071	189766	75667	136660	3397	6135	12116	5247
Chickasaw	7605	87945	158835	65378	118077	2804	5064	10681	5342
Clarke	4275	43980	79431	32557	58800	1300	2348	6258	2399
Clay	10903	135495	244714	95835	173085	4300	7766	14783	6051
Clayton	9718	102358	184866	75989	137242	3063	5532	14023	6592
Clinton	29747	399166	720923	287405	519074	13097	23654	40405	18818
Crawford	9643	112402	203006	81852	147831	3531	6377	13611	6392
Dallas	16476	215933	389991	153467	277173	6926	12509	22200	9953
Davis	4091	43773	79057	32410	58535	1339	2418	6124	2694
Decatur	3983	37485	67701	27712	50050	1032	1864	5796	2343
Delaware	8852	103331	186623	76385	137957	3354	6058	12477	6721
Des Moines	24316	324442	585966	229835	415099	10425	18828	32708	14110
Dickinson	8526	103131	186262	72333	130639	3163	5713	12096	4405
Dubuque	47241	645681	1166147	453504	819061	20997	37922	62149	34281
Emmet	6936	88444	159736	64204	115957	2933	5297	9660	4392
Fayette	12147	139167	251346	101626	183544	4328	7817	17282	8202
Floyd	9998	121476	219395	87345	157751	3956	7145	14091	6166
Franklin	6692	84849	153243	62497	112874	2969	5362	9786	3735
Fremont	4514	51667	93314	38908	70271	1587	2866	6673	2502
Greene	6475	80070	144612	59450	107371	2734	4938	9442	3661
Grundy	7566	104145	188093	76277	137762	3761	6793	10701	4381
Guthrie	6163	68683	124047	51215	92498	2186	3948	9197	3501
Hamilton	10014	121175	218851	88100	159115	3926	7091	13860	5494
Hancock	6941	82164	148394	59760	107931	2623	4737	10064	4419
Hardin	11948	146413	264433	106164	191740	4816	8698	17045	6532
Harrison	7624	88919	160594	65120	117611	2624	4739	11331	4779
Henry	9997	116519	210442	84886	153310	3635	6565	13766	5677
Howard	5475	55669	100542	42062	75967	1700	3070	8069	3673
Humboldt	6481	82982	149872	60110	108563	2779	5019	9502	3867
Ida	4656	53012	95744	38776	70032	1708	3085	6859	2742
Iowa	8982	104814	189302	77745	140413	3429	6193	12264	4870
Jackson	10879	123004	222154	90585	163603	3829	6915	15179	7650
Jasper	19812	250905	453153	181087	327056	8026	14496	26924	11147

Table 4. Personal Income Tax for 1980 (Filed in 1981) in Iowa Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1980 \$s	1995 \$s	1980 \$s	1995 \$s	1980 \$s	1995 \$s		
Jefferson	7578	84558	152718	61276	110669	2543	4593	10706	4163
Johnson	42424	554991	1002354	384682	694764	17236	31129	53128	20093
Jones	9766	117862	212867	86653	156502	3754	6780	13698	6343
Keokuk	6793	72453	130855	54682	98760	2309	4170	10057	3961
Kossuth	11459	140990	254638	102943	185923	4729	8541	16319	7562
Lee	21383	273235	493482	197154	356074	8597	15527	29319	13021
Linn	94774	1340985	2421917	928235	1676460	42813	77323	122018	55010
Louisa	5900	75975	137216	56523	102085	2603	4701	8345	3773
Lucas	5099	58146	105016	42411	76597	1854	3348	7409	2887
Lyon	6236	72825	131527	54073	97660	2372	4284	9160	4459
Madison	6438	72475	130895	52686	95155	2205	3982	9211	3974
Mahaska	11192	125491	226646	90478	163410	3780	6827	15780	6143
Marion	15017	184539	333291	131291	237121	5661	10224	20698	8948
Marshall	22752	316348	571348	223564	403773	10544	19043	30425	12964
Mills	6233	75450	136268	55062	99446	2144	3872	8756	3933
Mitchell	6230	71701	129497	53174	96036	2342	4230	9034	3963
Monona	5681	63238	114212	46268	83563	1967	3553	8635	3313
Monroe	4364	47333	85487	34957	63135	1441	2603	6187	2521
Montgomery	7178	84642	152870	62643	113138	2766	4996	10427	3822
Muscatine	21578	300073	541954	211382	381771	9768	17642	28967	14038
O'Brien	9191	112597	203358	82523	149043	3726	6729	13276	5429
Osceola	4166	49501	89402	36300	65560	1567	2830	6154	2518
Page	9806	109186	197198	79680	143908	3330	6014	14243	5319
Palo Alto	6371	77435	139853	56942	102841	2630	4750	9312	4022
Plymouth	12393	146874	265265	106283	191955	4611	8328	17747	8357
Pocahontas	5856	72039	130108	53277	96222	2419	4369	8832	3545
Polk	179783	2488661	4494703	1691995	3055866	77826	140559	232532	98390
Pottawattamie	41342	513396	927231	362719	655097	11529	20822	55857	25406
Poweshiek	10361	121735	219862	89282	161250	3847	6948	14363	5653
Ringgold	2956	26557	47964	20037	36188	760	1373	4614	1618
Sac	7310	85659	154706	62332	112576	2791	5041	10840	4228
Scott	84049	1296534	2341635	894907	1616267	43361	78313	111724	53367
Shelby	7518	88112	159137	65076	117532	2839	5127	11033	5088
Sioux	14355	174412	315001	122909	221983	5429	9805	20448	10568
Story	34247	435425	786409	304985	550825	13522	24422	44390	17144
Tama	10138	121760	219907	90231	162964	4060	7333	14545	6173
Taylor	3908	37105	67014	28299	51110	1076	1943	6104	2248
Union	6957	74938	135343	55092	99500	2218	4006	9913	4038
Van Buren	3910	36768	66406	28091	50734	1065	1923	5861	2516
Wapello	19088	242626	438200	172969	312395	7678	13867	26913	10963
Warren	17839	228445	412588	160350	289604	6950	12552	23329	11923
Washington	11081	128107	231371	92537	167129	4026	7271	15282	6428
Wayne	3853	38427	69402	28614	51679	1125	2032	5970	2112
Webster	24095	312134	563737	222628	402082	10125	18286	32882	14000
Winnebago	6926	78227	141284	56842	102661	2404	4342	10005	4102
Winneshiek	10049	103197	186381	76016	137290	3035	5481	13837	6564
Woodbury	51023	658928	1190072	456643	824731	19853	35856	69188	31028
Worth	4425	50935	91992	37590	67890	1609	2906	6451	2474
Wright	8914	111814	201944	81428	147065	3748	6769	12857	4932
IA Resident Returns	1517476	19564306	35334562	13872393	25054553	619508	1118877	2071911	905837
Nonresident Returns	42046	406105	733455	275257	497134	11006	19878	73444	35807
Total Returns	1559522	19970410	36068016	14147649	25551685	630514	1138754	2145355	941644

Table 5. Average State Gross Personal Income Per Return, Average State Personal Income Tax Paid Per Return, and Average Percentage State Tax Rate in Iowa Counties, 1980-1995.

County	Adjusted Gross Personal Income Per Return							Average Personal Income Tax Paid Per Return						Average Tax Rate (Tax Paid/Net Taxable Income)				
	Current \$s				Adjusted to 1995 \$s			Current \$s				Adjusted to 1995 \$s		1995	1990	1985	1980	
	1995	1990	1985	1980	1990	1985	1980	1995	1990	1985	1980	1990	1985					1980
Adair	19143	16414	10983	10446	19049	15383	18866	707	600	439	330	696	615	596	4.8	4.8	5.4	4.2
Adams	16683	14302	10004	9885	16598	14012	17853	582	486	307	305	564	430	551	4.5	4.5	4.1	4.0
Allamakee	17523	15049	11107	9990	17465	15557	18043	569	489	335	290	567	469	524	4.2	4.3	4.1	3.9
Appanoose	17513	14704	11631	10163	17064	16291	18355	614	500	368	290	580	515	524	4.6	4.5	4.3	3.9
Audubon	17725	15136	10463	10435	17565	14655	18846	638	538	314	319	624	440	576	4.6	4.7	4.1	4.1
Benton	21428	17555	13488	12778	20373	18892	23078	851	663	460	420	769	644	759	5.1	4.9	4.6	4.5
Black Hawk	25026	21113	16410	14849	24502	22984	26818	1039	846	588	491	982	824	887	5.6	5.4	5.1	4.8
Boone	22866	18477	14338	12553	21443	20082	22672	931	695	486	402	807	681	726	5.3	5.0	4.7	4.4
Bremer	23314	19021	14478	13277	22074	20278	23979	956	740	501	431	859	702	778	5.4	5.2	4.9	4.6
Buchanan	21345	18152	12979	12569	21066	18179	22701	845	720	440	413	836	616	746	5.2	5.2	4.7	4.5
Buena Vista	21242	18188	13116	12787	21107	18371	23094	834	692	436	427	803	611	771	5.1	5.1	4.6	4.6
Butler	19407	15988	12095	11968	18554	16941	21615	741	592	387	387	687	542	699	4.9	4.8	4.4	4.4
Calhoun	19307	16210	11667	12303	18812	16341	22220	734	588	372	419	682	521	757	4.9	4.8	4.4	4.6
Carroll	20359	17825	13221	11984	20686	18518	21644	787	683	441	383	793	618	692	5.1	5.1	4.7	4.5
Cass	19339	16515	12576	11428	19166	17614	20640	709	588	411	359	682	576	648	4.8	4.7	4.5	4.3
Cedar	22632	18411	13969	12490	21366	19565	22558	934	723	487	411	839	682	742	5.4	5.1	4.8	4.5
Cerro Gordo	22743	19399	14692	12698	22513	20578	22934	907	728	504	397	845	706	717	5.3	5.0	4.8	4.5
Cherokee	19682	17334	12892	12335	20116	18057	22278	768	654	430	399	759	602	721	5.0	4.9	4.5	4.5
Chickasaw	19175	16189	12044	11564	18787	16869	20885	730	587	382	369	681	535	666	4.9	4.8	4.4	4.3
Clarke	17540	15116	11450	10288	17542	16037	18581	604	521	355	304	605	497	549	4.5	4.6	4.2	4.0
Clay	21478	18714	13199	12427	21718	18487	22444	850	734	426	394	852	597	712	5.2	5.2	4.6	4.5
Clayton	17905	15023	11112	10533	17434	15564	19023	603	508	334	315	590	468	569	4.4	4.5	4.1	4.0
Clinton	22394	18552	15162	13419	21530	21236	24236	889	708	543	440	822	761	795	5.2	5.0	5.0	4.6
Crawford	18372	15741	12691	11656	18268	17775	21052	675	556	415	366	645	581	661	4.8	4.7	4.5	4.3
Dallas	26630	20448	15262	13106	23730	21376	23670	1105	806	527	420	935	738	759	5.6	5.3	4.9	4.5
Davis	18084	14969	11318	10700	17372	15852	19325	657	522	358	327	606	501	591	4.7	4.6	4.3	4.1
Decatur	16189	13945	10403	9411	16183	14571	16997	522	450	306	259	522	429	468	4.2	4.3	3.9	3.7
Delaware	18784	17061	12223	11673	19799	17120	21082	697	643	408	379	746	571	685	4.8	5.0	4.6	4.4
Des Moines	23910	19802	15643	13343	22980	21910	24098	968	767	561	429	890	786	775	5.4	5.2	5.0	4.5
Dickinson	23808	19479	13568	12096	22606	19004	21846	928	748	452	371	868	633	670	5.3	5.2	4.8	4.4
Dubuque	24375	19819	15267	13668	23000	21383	24685	992	770	541	444	894	758	802	5.5	5.2	5.0	4.6
Emmet	19643	16786	12148	12751	19480	17015	23029	721	613	377	423	711	528	764	4.8	4.8	4.3	4.6
Fayette	18703	15839	11812	11457	18381	16544	20692	686	570	378	356	661	529	643	4.7	4.7	4.4	4.3

Table 5. Average State Gross Personal Income Per Return, Average State Personal Income Tax Paid Per Return, and Average Percentage State Tax Rate in Iowa Counties, 1980-1995 (continued).

County	Adjusted Gross Personal Income Per Return							Average Personal Income Tax Paid Per Return						Average Tax Rate (Tax Paid/Net Taxable Income)				
	Current \$s				Adjusted to 1995 \$s			Current \$s				Adjusted to 1995 \$s		1995	1990	1985	1980	
	1995	1990	1985	1980	1990	1985	1980	1995	1990	1985	1980	1990	1985					1980
Floyd	20542	16726	12533	12150	19411	17554	21944	807	612	410	396	710	574	715	5.1	4.9	4.6	4.5
Franklin	22425	17225	13163	12679	19990	18436	22899	961	664	450	444	771	630	802	5.6	5.1	4.7	4.7
Fremont	19872	16093	12094	11446	18676	16939	20672	684	525	368	352	609	515	636	4.4	4.3	4.2	4.1
Greene	19488	15981	12769	12366	18546	17885	22334	755	575	432	422	667	605	762	5.0	4.7	4.6	4.6
Grundy	21967	17711	14087	13765	20554	19731	24861	892	674	498	497	782	698	898	5.2	5.0	4.9	4.9
Guthrie	19766	16309	11790	11144	18927	16513	20127	755	602	378	355	699	529	641	5.0	4.9	4.3	4.3
Hamilton	22638	17877	13079	12101	20746	18319	21855	910	663	439	392	769	615	708	5.3	5.0	4.6	4.5
Hancock	19042	16083	12416	11838	18664	17390	21380	707	576	404	378	668	566	683	4.8	4.7	4.5	4.4
Hardin	20250	16669	13501	12254	19345	18910	22132	780	614	451	403	713	632	728	5.0	4.9	4.7	4.5
Harrison	20139	16589	12773	11663	19252	17890	21064	601	514	367	344	597	514	621	3.9	4.1	3.9	4.0
Henry	21790	17629	13542	11655	20459	18967	21050	857	651	452	364	755	633	657	5.1	4.9	4.6	4.3
Howard	17756	14794	10564	10168	17169	14796	18364	609	487	304	311	565	426	562	4.4	4.3	4.0	4.0
Humboldt	21488	17959	13028	12804	20842	18247	23125	879	682	441	429	791	618	775	5.3	5.0	4.7	4.6
Ida	22751	16935	12612	11386	19653	17665	20564	946	643	425	367	746	595	663	5.5	5.0	4.6	4.4
Iowa	23223	18431	14580	11669	21389	20421	21075	962	732	593	382	849	831	690	5.5	5.2	5.5	4.4
Jackson	18934	16039	12174	11307	18613	17051	20421	705	590	402	352	685	563	636	4.8	4.8	4.5	4.2
Jasper	23373	19400	15009	12664	22514	21022	22872	951	756	534	405	877	748	731	5.3	5.2	4.9	4.4
Jefferson	26890	20187	14748	11158	23427	20656	20152	1128	769	519	336	892	727	607	5.6	5.3	5.1	4.1
Johnson	28568	23614	17017	13082	27404	23834	23627	1201	957	603	406	1111	845	733	5.7	5.5	5.1	4.5
Jones	20196	16992	12791	12069	19719	17915	21797	779	642	434	384	745	608	694	5.0	4.9	4.6	4.3
Keokuk	18360	15544	11584	10666	18039	16225	19264	683	553	382	340	642	535	614	4.8	4.7	4.4	4.2
Kossuth	18828	16259	12132	12304	18869	16992	22222	688	576	390	413	668	546	746	4.8	4.7	4.5	4.6
Lee	22139	18775	15177	12778	21789	21257	23078	883	731	533	402	848	747	726	5.2	5.1	4.8	4.4
Linn	28391	22986	17433	14149	26675	24417	25554	1207	935	637	452	1085	892	816	5.8	5.5	5.2	4.6
Louisa	21236	17659	14084	12877	20493	19726	23257	845	668	488	441	775	684	796	5.1	4.9	4.7	4.6
Lucas	21340	17539	12957	11403	20354	18148	20595	888	679	454	364	788	636	657	5.4	5.2	4.8	4.4
Lyon	18583	16016	11371	11678	18587	15927	21091	661	570	345	380	661	483	686	4.6	4.6	4.1	4.4
Madison	21207	17686	12843	11257	20525	17988	20331	825	671	423	342	779	592	618	5.1	5.0	4.5	4.2
Mahaska	21166	17134	13247	11213	19884	18554	20251	834	630	448	338	731	627	610	5.2	4.9	4.6	4.2
Marion	22758	18970	15363	12289	22015	21518	22195	902	715	567	377	830	794	681	5.3	5.0	5.1	4.3
Marshall	23623	19980	16105	13904	23187	22557	25112	970	783	590	463	909	826	836	5.4	5.2	5.1	4.7
Mills	22463	18154	13945	12105	21068	19532	21863	670	537	396	344	623	555	621	3.9	4.0	3.9	3.9
Mitchell	19819	16801	12197	11509	19498	17083	20786	735	610	398	376	708	557	679	4.8	4.8	4.5	4.4

Table 5. Average State Gross Personal Income Per Return, Average State Personal Income Tax Paid Per Return, and Average Percentage State Tax Rate in Iowa Counties, 1980-1995 (continued).

County	Adjusted Gross Personal Income Per Return								Average Personal Income Tax Paid Per Return						Average Tax Rate (Tax Paid/Net Taxable Income)			
	Current \$s				Adjusted to 1995 \$s				Current \$s				Adjusted to 1995 \$s					
	1995	1990	1985	1980	1990	1985	1980	1995	1990	1985	1980	1990	1985	1980	1995	1990	1985	1980
Monona	20013	16323	11587	11131	18943	16229	20103	764	592	377	346	687	528	625	4.9	4.8	4.4	4.3
Monroe	18603	17352	11864	10846	20137	16617	19589	688	689	390	330	800	546	596	4.8	5.2	4.4	4.1
Montgomery	19797	16464	12914	11792	19107	18088	21297	744	582	432	385	675	605	695	4.9	4.7	4.6	4.4
Muscatine	25512	21364	16817	13906	24793	23554	25115	1068	876	610	453	1017	854	818	5.6	5.5	5.1	4.6
O'Brien	19722	16684	12233	12251	19362	17134	22126	746	608	389	405	706	545	731	5.0	4.8	4.4	4.5
Osceola	19420	16388	11952	11882	19018	16740	21460	692	563	358	376	653	501	679	4.6	4.5	4.1	4.3
Page	21492	17347	12877	11135	20131	18036	20111	857	626	423	340	726	592	614	5.2	4.8	4.5	4.2
Palo Alto	18452	15975	11958	12154	18539	16749	21951	681	580	389	413	673	545	746	4.8	4.8	4.5	4.6
Plymouth	22602	18862	13260	11851	21890	18572	21404	900	736	446	372	854	625	672	5.2	5.2	4.6	4.3
Pocahontas	19336	16376	11969	12302	19005	16764	22218	739	596	395	413	692	553	746	4.9	4.8	4.5	4.5
Polk	29703	24559	18286	13843	28501	25612	25001	1260	1001	680	433	1162	952	782	5.8	5.6	5.4	4.6
Pottawattamie	22595	18640	15098	12418	21632	21147	22428	599	490	366	279	569	513	504	3.6	3.6	3.4	3.2
Poweshiek	21772	18926	13850	11749	21964	19399	21220	849	723	469	371	839	657	670	5.1	5.1	4.7	4.3
Ringgold	15472	13053	9251	8984	15148	12957	16226	511	416	256	257	483	359	464	4.3	4.2	3.7	3.8
Sac	19181	16234	11784	11718	18840	16505	21164	733	605	385	382	702	539	690	4.9	4.9	4.5	4.5
Scott	28229	23117	18336	15426	26828	25682	27860	1192	930	678	516	1079	950	932	5.7	5.5	5.3	4.8
Shelby	18789	15810	12699	11720	18348	17787	21167	666	547	418	378	635	585	683	4.6	4.6	4.5	4.4
Sioux	20308	17770	12591	12150	20622	17635	21944	768	668	393	378	775	550	683	5.0	5.0	4.4	4.4
Story	26411	21562	16016	12714	25023	22432	22962	1100	849	569	395	985	797	713	5.6	5.3	5.0	4.4
Tama	20116	16268	12676	12010	18879	17754	21691	786	597	425	400	693	595	722	5.0	4.8	4.6	4.5
Taylor	16243	14087	9714	9495	16348	13606	17149	525	460	273	275	534	382	497	4.2	4.3	3.8	3.8
Union	18494	16059	12476	10772	18637	17474	19455	673	561	406	319	651	569	576	4.7	4.6	4.4	4.0
Van Buren	17536	14425	10399	9404	16740	14565	16984	627	483	317	272	561	444	491	4.6	4.4	4.0	3.8
Wapello	21615	18431	14455	12711	21389	20246	22957	852	706	506	402	819	709	726	5.2	5.1	4.8	4.4
Warren	24488	19824	15442	12806	23006	21628	23129	983	755	532	390	876	745	704	5.3	5.1	4.8	4.3
Washington	20444	17673	13298	11561	20510	18626	20880	764	663	455	363	769	637	656	5.0	5.0	4.8	4.4
Wayne	16355	14259	10286	9973	16548	14407	18012	544	485	321	292	563	450	527	4.3	4.5	4.2	3.9
Webster	22016	18643	14160	12954	21635	19833	23396	877	718	480	420	833	672	759	5.2	5.1	4.8	4.5
Winnebago	20091	16548	13508	11295	19204	18920	20400	730	585	451	347	679	632	627	4.8	4.7	4.7	4.2
Winneshiek	20412	16649	12022	10269	19321	16838	18547	764	595	380	302	691	532	545	4.9	4.8	4.4	4.0
Woodbury	24622	20204	15697	12914	23447	21986	23324	934	747	529	389	867	741	703	5.1	5.0	4.8	4.3
Worth	19155	16161	11703	11511	18755	16392	20790	703	570	358	364	661	501	657	4.7	4.6	4.2	4.3
Wright	20849	17194	13282	12544	19954	18603	22655	819	630	432	420	731	605	759	5.1	4.9	4.6	4.6
IA Resident Returns	23981	19782	15004	12893	22957	21015	23286	958	759	520	408	881	728	737	5.3	5.2	4.9	4.5
Nonresident Returns	90962	71638	32249	9659	83137	45169	17445	869	475	343	262	551	480	473	1.4	0.9	1.7	4.0
Total Returns	28820	22646	15761	12805	26281	22075	23127	951	743	512	404	862	717	730	4.5	4.5	4.6	4.5

Adjusted gross income totaled \$6.2 billion in Polk County in 1995; others above \$1 billion included Black Hawk, Dubuque, Johnson, Linn, Pottawattamie, Scott, Story, and Woodbury. Less than \$100 million in adjusted gross income was noted in 16 counties, although only Adams and Ringgold were below \$50 million. From 1985 to 1995, adjusted gross income increased in every county. When inflation was taken into account, all counties continued to have higher gross income at the end of the period than at the beginning; the magnitude of the increases were much lower after inflation was accounted for, however. Increases after inflation greater than \$50 million occurred in 24 counties, with Polk's gain exceeding \$1.6 billion.

When deductions authorized by the tax code are removed from adjusted gross income, the result is net taxable income. This is the amount on which tax is calculated. In 1995, net taxable income totaled \$28.8 billion for Iowa residents, which was more than twice that reported in 1980 (\$13.9 billion). Net taxable income varied across Iowa's counties in a manner similar to that observed for adjusted gross income, with Black Hawk, Johnson, Linn, Polk, Scott, and Woodbury reporting more than \$1 billion in net taxable income in 1995. Net taxable income increased in every county from 1985 to 1995, with gains varying from less than \$20 million in Adams, Decatur, Ringgold, Taylor, and Wayne to \$2.2 billion in Polk. Controlling for inflation reduced the gains in net taxable income, although increases still occurred in all counties. Gains were greater than \$100 million in 11 counties (Black Hawk, Dallas, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Warren, Woodbury) even after inflation was included in the calculations.

State taxes paid in 1995 varied from less than \$5 million in 34 counties to more than \$10 million in 27 others. The total paid by Iowa residents was more than \$1.5 billion. Polk was the only county in which filers paid more than \$200 million in state taxes, while the totals in Linn and Scott were the only others greater than \$100 million. State taxes ranged from \$50 million to \$99 million in Black Hawk, Dubuque, Johnson, and Woodbury. Five counties (Adams, Decatur, Ringgold, Taylor, Wayne) each recorded less than \$2 million in state taxes paid in 1995.

When 1985 and 1995 were compared, state personal income taxes paid by Iowans at least doubled in 34 counties, with increases of at least 125 percent in Dallas, Dickinson, Jefferson, Johnson, Madison, Plymouth, and Sioux. All counties gained at least 50 percent. When inflation was included in the calculations of change in state personal income taxes paid between 1985 and 1995, all 99 counties still had gains in taxes paid. Gains after inflation exceeded \$10 million in Black Hawk, Dallas, Dubuque, Johnson, Linn, Polk, Scott, Story, and Woodbury.

## **Averages and Rates**

Information available in Tables 1-4 allows the calculation of averages and rates related to state personal income taxes. For example, adjusted gross personal income per tax return for Iowa residents averaged \$23,981 in 1995 (Table 5). That figure increased steadily from 1980 to that point. When inflation was included, however, then relatively little change occurred in average adjusted gross personal income per return (+\$695) from 1980 to 1995. While counties tended to follow the state pattern, differences in averages were evident. For example, average adjusted gross personal income per 1995 return varied from less than \$20,000 in 42 counties to more than \$25,000 in nine others (Black Hawk, Dallas, Jefferson, Johnson, Linn, Muscatine, Polk, Scott, Story). The highest was \$29,703 in Polk, which was nearly double the \$15,472 reported in Ringgold, which was the lowest figure for the state.

The average state personal income tax paid per return for Iowa residents was \$958 in 1995 (Table 5). This average increased steadily from \$408 in 1980. Even when inflation was controlled, the average increased substantially, especially between 1985 and 1990. In 1995, the average paid varied from \$511 in Ringgold to \$1,260 in Polk. Averages were greater than \$1,000 in Black Hawk, Dallas, Jefferson, Johnson, Linn, Muscatine, Polk, Scott, and Story that year.

The average state tax rate, which was calculated by dividing state taxes paid by net taxable income in Iowa, was 5.3 percent in 1995 for Iowans (Table 5). It was 4.5 percent in 1980, 4.9 percent in 1985, and 5.2 percent in 1990. In 1995, the average Iowa tax rate varied from less than 4.0 percent in Harrison, Mills, and Pottawattamie to more than 5.5 percent in Black Hawk, Dallas, Franklin, Jefferson,

Johnson, Linn, Muscatine, Polk, Scott, and Story. Those in which the rate was relatively high generally were urban counties in which incomes also were relatively high; these higher averages reflect the progressive nature of Iowa's personal income tax. The average was lowest in three counties on Iowa's western border, which indicates that some individuals work in another state and pay some taxes to both.

**Note:** Additional information is available in reports available from the Iowa Department of Revenue and Finance, Hoover Building, 1305 E. Walnut, State Capitol Complex, Des Moines, IA 50319.



## Property Tax Valuations in Iowa's Counties: 1995 and 1997

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Real properties in Iowa are taxed by local governments. Land, homes, farmland and farm buildings, commercial and industrial properties, utility infrastructure, and some manufacturing machinery and equipment are the real properties that are taxed. Taxable valuations are based originally upon assessed or market valuations of properties or, in the case of agricultural land, a measure of the relative productive potential of the property. The assessed value of property is determined by city or county assessors who base their determinations on actual sales of similar properties in their jurisdictions or, in the case of new property development, the total investment in land and buildings. If interjurisdictional distortions are evident, as in the case where properties are assessed significantly below an amount that they would fetch in the market, the State of Iowa issues equalization orders to offset the distortions. Equalizations are done during odd-numbered years; during even-numbered years, local assessors determine values solely on local sales experiences. In this section, figures are reported for 1995 and 1997, the two most recent years during which equalization occurred.

State law determines the proportion of assessed value that will be taxed and the appropriate property classifications for all properties. State law also constrains allowable annual growth. Residential, agricultural land, commercial, and industrial values are limited to no more than 4 percent growth in taxable values per year. When assessed valuation growth for a class of property exceeds the allowable growth rate, the values are rolled-back for tax purposes. The difference between the taxable value of property and the assessed value can be substantial. For fiscal year 1997, for example, the roll-back for determining taxable residential values was 56.8 percent of assessed residential value. For agricultural valuations, along with commercial and industrial properties, no rollbacks occurred in 1997.

The accompanying tables represent the major property classifications in Iowa. Residential properties include all single-family homes and duplexes. Valuations of land and buildings used for agricultural purposes are reported. Commercial properties include retail, wholesale, and service firms, while industrial properties include the land and the buildings of manufacturing firms. Manufacturing machinery and equipment is reported separately. The "all other" category includes utility properties and other minor property values that do not fit into the previous classifications.

Net taxable property in Iowa in 1997 was valued at \$82.1 billion (Table 1), an increase of \$3.7 billion from the \$78.4 billion reported in 1995 (Table 2). The total varied from less than \$500 million in 49 counties to more than \$1 billion in 16 others. Polk's total of nearly \$10 billion was nearly twice as much as the \$5.5 billion in Linn, which was the second highest total. Davis, Decatur, Ringgold, Taylor, and Van Buren were the only counties with net taxable property valuations below \$200 million.

In 66 of Iowa's counties, agricultural land and buildings accounted for a higher percentage of total taxable valuation in 1997 than did residential property, the combination of commercial and industrial property, or other types of property (Table 3). Agricultural land and buildings constituted least 60 percent of total valuations in Audubon, Calhoun, Greene, Ida, Osceola, Palo Alto, Pocahontas, Sac, and Taylor counties, most of which were in the west central and northwestern sections of the state. In 32 counties, residential property was a greater proportion than any of the three other categories; in Black Hawk, Dickinson, Dubuque, Johnson, and Warren, residential property accounted for at least 50 percent of the total taxable valuation in 1997.

Diversity among counties in 1997 is evident when specific categories of property are examined. On residential property, for example, nearly a third (32) of the counties reported values of less than \$100 million (Table 1). Black Hawk, Dubuque, Johnson, Linn, Polk, Scott, and Woodbury, on the other hand,

Table 1. Fiscal 1997 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa Counties.

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Adair	69.6	177.4	15.1	24.6	4.7	3.9	46.6	342.0	1.4	340.6
Adams	33.2	103.0	11.6	10.2	3.1	4.1	39.2	204.3	0.8	203.5
Allamakee	133.5	154.8	37.7	43.7	9.5	7.6	85.0	471.8	2.0	469.8
Appanoose	99.8	72.4	8.5	28.5	10.9	16.6	44.4	281.1	2.3	278.8
Audubon	53.1	163.2	12.4	14.1	2.1	-	21.5	266.4	1.2	265.2
Benton	259.2	263.5	29.0	49.7	5.2	3.9	68.5	679.1	3.5	675.6
Black Hawk	1223.7	183.7	26.1	569.3	127.5	131.0	182.4	2443.6	8.9	2424.7
Boone	248.0	227.6	16.6	81.0	18.4	8.3	90.3	690.1	4.0	686.0
Bremer	287.6	153.4	31.0	76.3	20.8	24.2	34.7	628.0	3.3	624.7
Buchanan	196.9	246.2	26.2	45.2	12.6	8.5	40.3	575.8	3.1	572.7
Buena Vista	182.6	250.1	25.6	84.3	17.0	9.6	49.9	619.1	3.0	616.1
Butler	139.5	211.7	17.3	31.5	5.0	3.8	39.3	448.0	2.6	445.4
Calhoun	98.0	275.9	7.7	36.5	2.7	1.3	37.9	460.0	2.1	458.0
Carroll	225.8	204.1	45.6	124.0	33.5	21.8	55.8	710.5	3.1	707.4
Cass	130.0	195.1	21.5	48.9	8.3	8.9	52.1	464.7	2.5	462.3
Cedar	219.8	249.1	34.4	51.3	17.9	6.6	54.5	633.6	2.5	631.1
Cerro Gordo	557.5	230.3	1.0	271.7	90.8	61.8	121.0	1334.1	7.9	1326.1
Cherokee	119.6	242.9	34.5	43.6	17.0	5.1	32.3	495.0	2.5	492.5
Chickasaw	125.2	178.3	16.8	34.7	14.8	13.4	28.5	411.7	2.0	409.7
Clarke	64.9	65.0	9.0	27.2	10.7	4.9	36.9	218.5	1.3	217.2
Clay	190.8	233.0	18.8	98.7	20.1	14.9	44.9	621.2	2.6	618.6
Clayton	164.7	222.4	40.0	48.0	10.1	6.3	49.2	540.7	2.8	537.9
Clinton	483.0	296.5	33.2	185.8	104.3	177.4	138.9	1419.1	8.5	1410.6
Crawford	114.2	252.8	34.4	46.9	11.6	7.7	48.4	516.0	2.4	513.6
Dallas	506.6	210.8	23.6	211.7	25.4	26.5	137.1	1141.6	4.7	1136.9
Davis	57.3	69.7	11.8	13.4	2.4	2.3	13.9	170.8	1.2	169.5
Decatur	44.0	67.7	8.2	17.8	4.2	1.7	25.8	169.4	1.2	168.2
Delaware	207.7	216.2	45.0	48.0	15.3	10.9	48.2	591.4	2.4	589.0
Des Moines	455.4	109.1	21.0	195.6	72.8	59.7	113.3	1026.8	7.3	1019.5
Dickinson	505.0	142.8	6.5	127.6	22.9	6.1	50.5	861.3	3.0	858.4
Dubuque	1166.1	150.6	64.2	483.3	142.7	92.8	132.0	2231.7	12.5	2219.2
Emmet	80.6	165.9	6.8	30.1	9.6	6.3	25.4	324.7	2.0	322.6
Fayette	169.0	285.9	43.2	49.0	13.8	8.4	51.0	620.3	3.5	616.8

Table 1. Fiscal 1997 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Floyd	153.6	179.9	19.1	47.5	31.2	9.6	40.9	481.7	2.8	478.9
Franklin	79.9	249.4	19.1	27.2	20.2	4.7	71.8	472.4	1.7	470.6
Fremont	62.1	187.3	15.3	25.5	17.2	26.0	37.7	371.0	1.4	369.6
Greene	80.3	260.7	11.8	36.7	8.0	8.7	40.4	446.6	1.7	444.8
Grundy	114.0	245.7	20.7	30.2	16.3	5.8	39.2	471.9	2.0	469.9
Guthrie	143.1	184.3	12.6	29.2	4.6	1.2	42.4	417.4	2.0	415.3
Hamilton	152.5	240.2	36.6	68.0	40.1	36.6	49.3	623.5	2.6	620.9
Hancock	93.6	246.8	14.3	28.7	29.1	20.8	98.1	531.3	1.9	529.4
Hardin	154.6	249.4	21.6	63.5	15.7	15.5	71.5	591.8	3.3	588.5
Harrison	133.2	219.6	23.2	28.7	3.9	1.7	75.0	485.3	2.3	483.0
Henry	181.7	123.2	13.5	86.3	27.9	22.4	33.0	488.2	2.5	485.7
Howard	76.6	167.9	15.6	26.8	11.8	3.8	20.8	323.3	1.5	321.8
Humboldt	98.5	204.0	13.4	36.4	10.6	3.5	44.6	410.9	2.0	408.9
Ida	64.1	187.3	17.2	23.0	11.9	4.7	23.4	331.5	1.4	330.0
Iowa	173.6	169.7	26.4	65.9	43.3	62.7	62.5	604.0	2.2	601.8
Jackson	200.5	172.0	25.9	53.8	12.2	10.6	42.5	517.6	2.9	514.7
Jasper	410.6	222.9	36.1	128.9	47.3	55.0	90.0	990.8	5.3	985.4
Jefferson	177.8	108.7	12.9	62.0	14.4	20.9	55.5	452.1	1.9	450.2
Johnson	1513.3	158.0	25.8	877.9	60.4	80.4	199.5	2915.4	8.0	2907.3
Jones	187.7	187.0	29.8	42.8	10.1	11.8	49.2	518.4	2.7	515.7
Keokuk	82.9	175.7	30.1	25.0	8.7	3.7	63.9	389.9	2.0	387.9
Kossuth	144.5	439.6	24.1	46.8	36.8	12.2	90.6	794.6	2.9	791.7
Lee	340.6	107.2	17.5	111.1	80.5	93.1	138.3	888.3	6.4	882.0
Linn	2722.7	207.0	14.4	1379.7	300.9	391.2	514.4	5530.3	26.0	5504.3
Louisa	87.9	134.1	11.3	24.6	12.2	8.6	127.9	406.6	1.6	405.0
Lucas	66.4	57.8	10.6	39.3	2.2	2.6	34.0	212.9	1.5	211.4
Lyon	106.6	224.3	18.8	25.3	4.6	1.2	36.0	416.7	1.7	415.1
Madison	147.5	120.6	23.6	30.9	8.2	3.1	62.0	395.9	1.8	394.1
Mahaska	208.7	172.1	32.6	76.3	20.3	8.5	77.8	596.3	3.0	593.3
Marion	325.3	132.8	12.5	95.3	49.7	63.6	69.1	748.3	3.8	744.5
Marshall	399.0	215.6	23.1	144.9	47.8	37.6	142.3	1010.2	6.4	1003.8
Mills	157.6	149.4	15.9	28.0	1.6	1.6	85.7	439.8	1.9	437.9
Mitchell	94.1	191.6	16.4	24.7	12.7	12.0	22.5	373.9	1.8	372.1

Table 1. Fiscal 1997 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Monona	77.8	211.7	18.4	23.5	2.1	2.3	56.7	392.5	1.9	390.7
Monroe	52.8	66.7	9.3	16.2	65.4	119.2	34.0	363.6	1.4	362.2
Montgomery	111.0	136.6	19.5	29.9	10.2	11.1	58.7	376.8	2.0	374.8
Muscatine	476.6	141.9	15.0	145.4	129.1	149.6	85.2	1142.9	5.3	1137.6
O'Brien	133.9	269.3	19.1	53.2	9.4	4.0	36.6	525.4	2.6	522.8
Osceola	57.4	174.5	13.0	18.2	6.7	7.3	26.6	303.7	1.3	302.5
Page	125.9	170.1	9.2	50.9	19.4	31.7	39.2	446.3	2.7	443.6
Palo Alto	75.9	232.4	19.5	30.7	3.2	2.4	32.3	396.4	1.8	394.6
Plymouth	297.5	333.0	38.1	95.7	20.2	19.0	80.8	884.3	3.4	880.9
Pocahontas	58.7	269.2	13.8	29.2	3.7	2.3	42.8	419.7	1.8	417.9
Polk	4813.1	139.3	8.1	3853.5	261.6	275.2	647.1	9997.9	43.8	9954.1
Pottawattamie	888.2	338.2	41.9	422.0	60.6	3.4	305.6	2060.0	12.6	2047.4
Poweshiek	205.7	185.6	26.7	69.4	23.4	20.7	71.1	602.6	2.7	599.9
Ringgold	45.1	86.7	14.7	8.7	1.4	1.0	20.6	178.3	1.0	177.3
Sac	100.5	248.9	25.7	25.9	3.5	1.7	32.2	438.4	2.2	436.2
Scott	2065.0	176.6	27.8	1094.0	263.4	303.0	431.1	4360.9	21.9	4338.9
Shelby	125.6	229.5	23.5	33.4	4.2	2.4	39.4	458.0	2.1	455.9
Sioux	319.9	328.2	54.3	95.9	38.4	18.3	72.5	927.6	3.8	923.8
Story	914.6	232.5	15.5	539.1	46.1	36.9	95.8	1880.6	7.1	1873.5
Tama	151.6	268.4	14.1	49.6	17.2	6.4	64.6	572.0	2.9	569.1
Taylor	34.4	110.8	11.8	9.0	2.6	1.9	17.8	188.5	1.3	187.2
Union	96.7	82.1	6.9	44.4	10.2	11.6	52.1	303.8	1.8	302.0
Van Buren	55.4	79.7	9.9	9.0	3.4	2.6	18.6	178.6	1.3	177.2
Wapello	319.9	99.9	12.8	111.7	35.4	22.8	133.6	736.2	6.7	729.4
Warren	497.0	118.4	15.5	93.5	6.1	3.6	94.1	828.2	5.0	823.2
Washington	228.1	191.2	17.1	70.9	15.6	12.0	62.2	597.2	2.7	594.5
Wayne	39.6	86.5	10.4	12.4	5.5	5.7	45.8	205.9	1.1	204.7
Webster	370.4	302.8	12.1	207.0	44.6	34.6	134.0	1105.5	6.5	1099.0
Winnebago	98.3	171.5	11.4	33.8	10.0	9.1	27.2	361.3	1.8	359.5
Winneshiek	197.2	204.1	36.1	65.5	9.4	11.2	36.5	560.0	2.6	557.5
Woodbury	1056.1	258.7	17.7	626.7	89.5	77.7	434.6	2561.0	14.7	2546.3
Worth	65.3	161.3	8.5	17.0	3.3	2.4	41.6	299.4	1.3	298.1
Wright	118.6	271.3	20.4	49.8	22.9	22.6	60.1	565.7	2.4	563.3
State of Iowa	32020.8	18940.5	2063.9	15128.2	3157.8	3047.4	8122.6	82480.4	410.5	82069.3

Table 2. Fiscal 1995 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa Counties.

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Adair	67.1	177.6	14.2	23.3	4.2	3.5	41.2	331.0	1.4	329.6
Adams	32.0	103.1	10.8	8.1	6.4	0.0	33.4	193.8	0.8	192.9
Allamakee	125.7	133.1	37.7	40.3	8.2	6.7	84.0	435.7	2.0	433.7
Appanoose	96.4	68.5	7.8	29.0	10.7	15.9	34.8	263.2	2.4	260.8
Audubon	49.1	175.5	12.1	13.7	1.9	0.0	23.2	275.6	1.3	274.3
Benton	230.4	263.9	28.8	46.9	5.4	5.4	59.8	640.6	3.5	637.1
Black Hawk	1301.1	193.7	28.4	468.9	111.5	125.7	177.4	2406.6	19.7	2386.8
Boone	251.7	227.9	16.6	79.7	18.2	8.2	90.3	692.7	4.2	688.5
Bremer	264.5	141.2	28.3	66.8	18.8	24.8	32.7	577.1	3.5	573.6
Buchanan	178.0	246.4	23.4	45.4	10.9	8.0	38.9	551.1	3.2	547.9
Buena Vista	180.8	272.0	28.8	85.4	15.7	10.6	45.2	638.5	3.1	635.4
Butler	126.2	223.8	18.0	26.9	4.2	3.6	34.3	437.1	2.6	434.4
Calhoun	92.0	293.6	7.3	36.9	2.6	1.3	35.4	469.1	2.1	467.0
Carroll	218.5	238.7	39.8	122.0	29.0	20.1	46.4	714.5	3.2	711.3
Cass	126.7	195.3	21.8	44.5	8.7	8.4	50.2	455.6	2.5	453.1
Cedar	191.3	249.5	33.2	46.0	17.9	6.4	42.9	587.3	2.5	584.8
Cerro Gordo	556.3	248.3	1.0	263.3	137.9	0.0	111.1	1317.8	8.1	1309.7
Cherokee	117.0	258.6	33.7	43.1	15.1	5.8	32.2	505.5	2.5	503.0
Chickasaw	119.4	178.7	15.4	32.2	14.2	12.7	25.9	398.3	2.0	396.3
Clarke	63.1	62.2	7.6	26.7	10.4	4.6	30.6	205.2	1.4	203.8
Clay	173.1	255.7	17.4	85.6	17.0	16.0	43.4	608.2	2.6	605.6
Clayton	162.9	222.7	37.9	41.4	9.2	6.2	49.9	530.1	2.8	527.3
Clinton	482.3	280.6	31.0	166.0	93.4	146.0	129.8	1329.1	8.6	1320.5
Crawford	124.3	253.0	33.4	49.6	12.4	8.3	37.5	518.5	2.5	516.1
Dallas	434.6	211.8	21.5	142.3	20.5	17.8	152.4	1001.1	4.7	996.4
Davis	55.2	67.3	11.5	12.0	2.3	2.3	13.1	163.7	1.2	162.5
Decatur	45.2	68.1	7.9	17.6	4.0	1.7	21.2	165.7	1.2	164.5
Delaware	193.7	216.6	44.5	41.1	13.5	14.2	45.8	569.3	2.4	566.9
Des Moines	432.3	101.2	19.1	206.8	68.7	74.9	98.7	1001.7	7.5	994.2
Dickinson	455.1	162.0	6.9	115.8	22.0	6.8	46.6	815.2	3.0	812.2
Dubuque	1074.0	141.4	59.4	414.2	138.0	86.0	129.1	2042.2	12.8	2029.4
Emmet	76.7	200.1	5.5	28.4	8.1	5.9	21.2	345.9	2.1	343.8
Fayette	159.9	286.5	44.3	52.5	12.1	9.2	48.2	612.5	3.6	609.0

Table 2. Fiscal 1995 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Floyd	142.7	191.4	18.0	45.0	18.6	9.6	39.0	464.3	2.9	461.4
Franklin	86.5	278.8	24.9	24.2	14.5	5.7	63.0	497.5	1.8	495.7
Fremont	60.8	187.5	15.2	25.8	15.1	21.9	32.2	358.4	1.4	357.0
Greene	81.8	261.1	10.6	34.7	7.8	8.1	34.9	439.0	1.8	437.2
Grundy	112.1	234.5	19.9	30.5	14.9	5.5	38.5	456.0	2.0	454.0
Guthrie	121.0	184.3	10.8	29.3	4.4	2.0	40.2	392.0	2.1	389.9
Hamilton	152.4	260.6	28.1	57.9	31.0	34.7	47.4	612.1	2.7	609.3
Hancock	107.4	277.6	14.6	31.3	26.9	17.6	103.9	579.4	1.9	577.4
Hardin	138.5	259.9	19.2	57.0	14.2	16.1	62.2	567.1	3.5	563.7
Harrison	128.6	219.9	22.7	29.4	3.1	1.7	50.4	455.8	2.3	453.5
Henry	180.3	123.4	13.1	83.1	28.6	18.2	26.1	472.7	2.6	470.2
Howard	75.4	167.3	16.5	25.5	6.3	4.5	18.3	313.8	1.5	312.3
Humboldt	97.0	226.8	12.1	36.5	8.4	3.2	40.1	423.9	2.0	421.9
Ida	62.6	197.2	17.8	23.7	11.9	4.1	22.6	339.8	1.5	338.4
Iowa	162.7	170.3	26.1	51.4	39.6	59.2	56.0	565.4	2.3	563.1
Jackson	178.4	150.4	25.3	52.5	10.5	9.5	39.1	465.7	3.0	462.7
Jasper	411.8	223.5	34.5	106.8	43.7	41.7	73.9	935.9	5.5	930.4
Jefferson	176.6	109.0	12.4	58.9	13.0	22.8	42.1	434.9	1.9	433.0
Johnson	1386.1	159.2	25.7	757.7	56.4	69.1	183.7	2638.1	8.1	2630.0
Jones	169.7	187.4	29.4	41.1	9.8	11.0	48.7	497.2	2.8	494.4
Keokuk	84.4	176.1	29.3	21.2	8.1	3.9	59.5	382.5	2.0	380.4
Kossuth	137.9	503.0	26.3	46.5	36.1	11.3	81.4	842.5	3.0	839.5
Lee	307.0	91.3	14.3	127.3	77.8	91.8	119.4	829.0	6.5	822.4
Linn	2606.3	206.3	6.1	1192.6	264.7	380.1	464.0	5120.2	26.7	5093.5
Louisa	91.4	126.4	10.5	20.8	11.1	8.1	135.9	404.1	1.7	402.4
Lucas	66.0	54.6	10.0	37.7	2.6	2.6	23.1	196.6	1.5	195.1
Lyon	91.4	224.4	16.8	26.8	4.2	1.3	28.9	394.0	1.7	392.3
Madison	129.1	120.7	23.2	25.2	6.2	2.6	63.9	370.9	1.8	369.1
Mahaska	190.3	172.9	29.6	67.1	18.4	8.6	71.2	558.2	3.1	555.2
Marion	306.3	133.3	12.3	85.4	40.4	52.9	56.0	686.7	3.9	682.8
Marshall	365.7	216.4	23.1	121.1	46.7	37.9	120.9	931.7	6.7	925.1
Mills	139.9	149.5	15.5	27.6	1.0	1.6	89.8	424.7	1.9	422.8
Mitchell	89.7	199.5	15.2	24.3	10.3	10.1	23.3	372.4	1.8	370.5

Table 2. Fiscal 1995 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Monona	74.4	211.9	17.7	23.4	2.1	2.1	50.9	382.5	1.9	380.6
Monroe	55.4	62.6	8.5	16.3	49.2	104.6	21.1	317.7	1.4	316.3
Montgomery	98.0	136.7	17.9	29.2	10.1	10.1	51.8	353.8	2.0	351.8
Muscatine	459.1	143.2	15.0	154.5	126.1	141.4	86.4	1125.7	5.5	1120.2
O'Brien	124.6	301.0	19.5	52.0	8.9	3.7	34.5	544.2	2.7	541.5
Osceola	52.0	199.0	15.3	18.6	6.0	8.1	20.3	319.2	1.3	318.0
Page	125.7	157.3	9.1	51.2	15.1	28.0	36.5	423.0	2.8	420.2
Palo Alto	75.1	273.8	17.1	30.4	2.8	2.2	26.3	427.7	1.8	425.8
Plymouth	274.0	310.5	47.7	85.5	14.8	14.5	65.5	812.5	3.4	809.1
Pocahontas	60.4	290.0	14.9	31.4	3.6	2.9	36.5	439.7	1.8	437.9
Polk	4552.7	142.9	6.9	3485.3	253.7	323.9	567.6	9333.0	45.4	9287.7
Pottawattamie	853.3	338.9	41.2	382.9	62.0	6.9	268.9	1954.2	13.1	1941.0
Poweshiek	186.3	185.8	26.3	62.1	19.2	18.7	56.9	555.3	2.8	552.6
Ringgold	41.9	86.7	13.6	7.7	1.4	1.0	17.7	170.1	1.0	169.1
Sac	97.1	249.2	36.4	31.1	4.0	1.9	29.2	448.8	2.2	446.6
Scott	2029.8	164.4	27.1	921.5	237.4	283.8	366.6	4030.6	22.6	4008.1
Shelby	124.8	229.8	23.7	36.1	4.5	2.8	31.4	453.1	2.1	451.0
Sioux	279.1	348.8	45.5	94.9	42.1	19.9	58.5	888.9	3.8	885.1
Story	879.7	233.4	14.9	460.2	42.3	35.8	75.5	1741.7	7.3	1734.4
Tama	132.8	269.2	23.2	48.9	16.9	8.2	58.4	557.5	3.0	554.6
Taylor	38.6	110.9	11.7	8.6	1.8	1.7	15.2	188.5	1.4	187.1
Union	94.4	82.4	6.9	44.5	7.5	6.6	40.7	283.0	1.9	281.1
Van Buren	48.4	76.2	9.1	7.9	2.7	2.4	16.7	163.4	1.3	162.1
Wapello	291.0	94.8	12.1	102.8	36.8	27.2	123.4	688.2	6.9	681.4
Warren	481.6	119.1	15.2	98.9	3.8	3.7	94.9	817.2	5.0	812.1
Washington	199.7	191.5	15.8	56.2	15.1	11.1	56.6	546.1	2.8	543.3
Wayne	42.6	86.6	10.2	12.0	3.3	2.9	34.9	192.5	1.2	191.3
Webster	382.1	318.9	11.5	209.3	43.2	32.8	119.8	1117.6	6.7	1110.9
Winnebago	105.4	194.5	10.6	33.1	10.4	8.8	22.7	385.5	1.8	383.7
Winneshiek	185.4	194.8	37.9	65.7	8.2	9.0	37.4	538.4	2.6	535.8
Woodbury	1007.8	257.9	17.2	611.4	82.4	80.1	406.9	2463.8	14.8	2449.0
Worth	64.7	173.6	8.4	16.3	2.8	2.2	38.9	306.8	1.4	305.5
Wright	124.9	304.6	15.9	43.7	22.9	24.2	47.5	583.9	2.5	581.4
State of Iowa	30537.6	19403.7	2007.9	13682.3	2942.5	2879.5	7322.8	78776.3	421.4	78354.9

Table 3. Percent of Total Taxable Valuations for Selected Types of Property in Iowa Counties, 1995 and 1997.

County	1997				1995			
	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other
Adair	20.4	56.3	8.6	14.8	20.3	57.9	8.3	13.5
Adams	16.2	56.1	6.5	21.2	16.5	58.8	7.5	17.2
Allamakee	28.3	40.8	11.3	19.6	28.9	39.2	11.1	20.8
Appanoose	35.5	28.8	14.0	21.7	36.6	29.0	15.1	19.3
Audubon	19.9	65.9	6.1	8.1	17.8	68.1	5.7	8.4
Benton	38.2	43.1	8.1	10.7	36.0	45.7	8.2	10.2
Black Hawk	50.1	8.6	28.5	12.8	54.1	9.2	24.1	12.6
Boone	35.9	35.4	14.4	14.3	36.3	35.3	14.1	14.2
Bremer	45.8	29.4	15.5	9.4	45.8	29.4	14.8	10.0
Buchanan	34.2	47.3	10.0	8.5	32.3	49.0	10.2	8.5
Buena Vista	29.5	44.5	16.4	9.6	28.3	47.1	15.8	8.7
Butler	31.1	51.1	8.1	9.6	28.9	55.3	7.1	8.7
Calhoun	21.3	61.7	8.5	8.5	19.6	64.1	8.4	7.8
Carroll	31.8	35.1	22.2	10.9	30.6	39.0	21.1	9.3
Cass	28.0	46.6	12.3	13.1	27.8	47.7	11.7	12.9
Cedar	34.7	44.7	10.9	9.6	32.6	48.1	10.9	8.4
Cerro Gordo	41.8	17.3	27.2	13.7	42.2	18.9	30.4	8.4
Cherokee	24.2	56.0	12.2	7.6	23.1	57.8	11.5	7.5
Chickasaw	30.4	47.4	12.0	10.2	30.0	48.7	11.6	9.7
Clarke	29.7	33.9	17.3	19.1	30.8	34.0	18.1	17.2
Clay	30.7	40.5	19.1	9.6	28.5	44.9	16.9	9.8
Clayton	30.5	48.5	10.7	10.3	30.7	49.2	9.5	10.6
Clinton	34.0	23.2	20.4	22.3	36.3	23.4	19.5	20.8
Crawford	22.1	55.7	11.3	10.9	24.0	55.2	12.0	8.8
Dallas	44.4	20.5	20.8	14.3	43.4	23.3	16.3	17.0
Davis	33.5	47.7	9.3	9.5	33.7	48.1	8.7	9.4
Decatur	26.0	44.8	13.0	16.2	27.3	45.9	13.0	13.8
Delaware	35.1	44.2	10.7	10.0	34.0	45.9	9.6	10.5
Des Moines	44.3	12.7	26.1	16.8	43.2	12.0	27.5	17.3
Dickinson	58.6	17.3	17.5	6.6	55.8	20.7	16.9	6.6
Dubuque	52.3	9.6	28.1	10.1	52.6	9.8	27.0	10.5
Emmet	24.8	53.2	12.2	9.8	22.2	59.4	10.6	7.8
Fayette	27.2	53.1	10.1	9.6	26.1	54.0	10.5	9.4
Floyd	31.9	41.3	16.3	10.5	30.7	45.1	13.7	10.5
Franklin	16.9	56.8	10.0	16.2	17.4	61.0	7.8	13.8
Fremont	16.7	54.6	11.5	17.2	17.0	56.5	11.4	15.1
Greene	18.0	61.0	10.0	11.0	18.6	61.9	9.7	9.8
Grundy	24.2	56.5	9.9	9.5	24.6	55.8	10.0	9.7
Guthrie	34.3	47.2	8.1	10.4	30.9	49.8	8.6	10.8
Hamilton	24.5	44.4	17.3	13.8	24.9	47.2	14.5	13.4
Hancock	17.6	49.1	10.9	22.4	18.5	50.4	10.0	21.0
Hardin	26.1	45.8	13.4	14.7	24.4	49.2	12.6	13.8
Harrison	27.4	50.0	6.7	15.8	28.2	53.2	7.1	11.4
Henry	37.2	28.0	23.4	11.4	38.1	28.9	23.6	9.4
Howard	23.7	56.8	11.9	7.6	24.0	58.6	10.1	7.3
Humboldt	24.0	52.9	11.4	11.7	22.9	56.3	10.6	10.2
Ida	19.3	61.7	10.5	8.5	18.4	63.3	10.5	7.9
Iowa	28.7	32.5	18.1	20.7	28.8	34.7	16.1	20.4
Jackson	38.7	38.2	12.8	10.3	38.3	37.7	13.5	10.4
Jasper	41.4	26.1	17.8	14.6	44.0	27.6	16.1	12.4

\*Includes both agricultural land and buildings.



Table 3. Percent of Total Taxable Valuations for Selected Types of Property in Iowa Counties, 1995 and 1997  
(continued).

County	1997				1995			
	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other
Jefferson	39.3	26.9	16.9	16.9	40.6	27.9	16.5	14.9
Johnson	51.9	6.3	32.2	9.6	52.5	7.0	30.9	9.6
Jones	36.2	41.8	10.2	11.8	34.1	43.6	10.2	12.0
Keokuk	21.3	52.8	8.6	17.3	22.1	53.7	7.7	16.6
Kossuth	18.2	58.4	10.5	12.9	16.4	62.8	9.8	11.0
Lee	38.3	14.0	21.6	26.0	37.0	12.7	24.7	25.5
Linn	49.2	4.0	30.4	16.4	50.9	4.1	28.5	16.5
Louisa	21.6	35.8	9.1	33.6	22.6	33.9	7.9	35.6
Lucas	31.2	32.1	19.5	17.2	33.6	32.9	20.5	13.1
Lyon	25.6	58.3	7.2	8.9	23.2	61.2	7.9	7.7
Madison	37.3	36.4	9.9	16.4	34.8	38.8	8.5	17.9
Mahaska	35.0	34.3	16.2	14.5	34.1	36.3	15.3	14.3
Marion	43.5	19.4	19.4	17.7	44.6	21.2	18.3	15.9
Marshall	39.5	23.6	19.1	17.8	39.2	25.7	18.0	17.0
Mills	35.8	37.6	6.7	19.8	32.9	38.8	6.7	21.5
Mitchell	25.2	55.6	10.0	9.2	24.1	57.7	9.3	9.0
Monona	19.8	58.6	6.5	15.0	19.5	60.0	6.7	13.9
Monroe	14.5	20.9	22.4	42.1	17.4	22.4	20.6	39.6
Montgomery	29.4	41.4	10.6	18.5	27.7	43.7	11.1	17.5
Muscatine	41.7	13.7	24.0	20.5	40.8	14.1	24.9	20.2
O'Brien	25.5	54.9	11.9	7.7	22.9	58.9	11.2	7.0
Osceola	18.9	61.7	8.2	11.2	16.3	67.1	7.7	8.9
Page	28.2	40.2	15.7	15.9	29.7	39.3	15.7	15.3
Palo Alto	19.1	63.5	8.6	8.8	17.6	68.0	7.8	6.7
Plymouth	33.6	42.0	13.1	11.3	33.7	44.1	12.3	9.8
Pocahontas	14.0	67.4	7.8	10.7	13.7	69.3	8.0	9.0
Polk	48.1	1.5	41.2	9.2	48.8	1.6	40.1	9.6
Pottawattamie	43.1	18.5	23.4	15.0	43.7	19.5	22.8	14.1
Poweshiek	34.1	35.2	15.4	15.2	33.5	38.2	14.6	13.6
Ringgold	25.3	56.9	5.7	12.1	24.6	59.0	5.4	11.0
Sac	22.9	62.6	6.7	7.7	21.6	63.6	7.8	6.9
Scott	47.4	4.7	31.1	16.8	50.4	4.8	28.8	16.1
Shelby	27.4	55.2	8.2	9.1	27.5	55.9	9.0	7.5
Sioux	34.5	41.2	14.5	9.8	31.4	44.4	15.4	8.8
Story	48.6	13.2	31.1	7.1	50.5	14.3	28.8	6.4
Tama	26.5	49.4	11.7	12.4	23.8	52.4	11.8	11.9
Taylor	18.3	65.1	6.2	10.5	20.5	65.0	5.5	9.0
Union	31.8	29.3	18.0	21.0	33.4	31.6	18.4	16.7
Van Buren	31.0	50.2	6.9	11.9	29.6	52.2	6.5	11.7
Wapello	43.5	15.3	20.0	21.2	42.3	15.5	20.3	21.9
Warren	60.0	16.2	12.0	11.8	58.9	16.4	12.6	12.1
Washington	38.2	34.9	14.5	12.4	36.6	38.0	13.1	12.4
Wayne	19.2	47.1	8.7	25.0	22.1	50.3	7.9	19.6
Webster	33.5	28.5	22.8	15.3	34.2	29.6	22.6	13.7
Winnebago	27.2	50.6	12.1	10.0	27.3	53.2	11.3	8.2
Winneshiek	35.2	42.9	13.4	8.5	34.4	43.2	13.7	8.6
Woodbury	41.2	10.8	28.0	20.0	40.9	11.2	28.2	19.8
Worth	21.8	56.7	6.8	14.7	21.1	59.3	6.2	13.4
Wright	21.0	51.6	12.9	14.6	21.4	54.9	11.4	12.3
State of Iowa	38.8	25.5	22.2	13.5	38.8	27.2	21.1	13.0

had at least \$1 billion in residential property. These differences obviously are related to the rural and urban natures of the counties. The range on the valuations of agricultural land and buildings is not as great as that for residential property, however. For example, 11 counties had less than \$100 million in agricultural land while only Kossuth, Plymouth, Pottawattamie, Sioux, and Webster exceeded \$300 million; three of these with relatively high levels have substantially more land in agriculture so the high figures would be expected.

Commercial property valuations vary substantially, with those in Ringgold, Taylor, and Van Buren less than \$10 million while they top \$1 billion in Linn, Polk, and Scott. Similar variations exist on industrial property and on machinery and equipment, with urban counties tending to have substantially greater valuations than rural areas.

Although the state had an increase in gross property valuations of \$3.7 billion from 1995 to 1997, 22 counties reported lower numbers in the latter year. These declines tended to be rather small; only in Hancock and Kossuth were the drops greater than \$40 million. Gains, on the other hand, ranged from less than \$10 million in 11 counties to more than \$100 million in Dallas, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, and Story, with Polk's increase of \$665 million substantially above most others.

From 1995 to 1997, residential property valuations increased by nearly \$1.5 billion. Eighty-two counties followed the statewide trend, led by gains greater than \$50 million in Dallas, Dubuque, Johnson, Linn, and Polk. Of the 17 counties with residential property valuations lower in 1997 than in 1995, only Black Hawk declined by at least \$50 million; drops in each of the others were less than \$15 million.

When valuations for agricultural land and buildings are summed and compared for 1995 and 1997, increases (51) and decreases (48) occurred in about the same number of counties. For the state as a whole, valuations of agricultural land and buildings declined by nearly \$408 billion in that period.

The state (+\$1.7 billion) and most counties (81) had higher figures on the combined commercial and industrial property valuations in 1997 than two years earlier. Those with declines generally had only marginally lower figures than in 1995, although the figure in Cerro Gordo decreased by nearly \$39 million. Black Hawk's substantial gain in the commercial/industrial sector (+\$116 million) more than outdistanced the loss that occurred in the resident valuation (-\$77 million) in that county. Although this may be the most dramatic change across the counties, many others had gains in some and declines in other categories of property tax valuation.

**Notes:** The values reported in this report are compiled from the annual tax district summaries data collected by the Iowa Department of Revenue and Finance and maintained for public use by the Iowa Department of Management. The values reported in these tables are higher than the values reported in other common compilations of the state's tax base. The values in these tables do not reflect any locally-determined abatements for commercial, residential, or industrial properties, which effectively lower the tax base available for general taxation. The base in this report also includes all valuations, including those in special urban renewal, urban revitalization, municipal improvement, or community college job training districts for which portions of the tax base are not available for general levies by all authorized local governments in the taxing district. Consequently, the value of property available for general taxation purposes locally often is lower than amounts reported in these tables.

Additional information about the state's property tax base is summarized annually in "The Data Book," a catalogue of government statistics compiled by the Legislative Fiscal Bureau, State Capitol, Des Moines, IA 50319. Data on the state's tax base also can be obtained from the Iowa Department of Management, Local Budgets Management Division, State Capitol, Des Moines, IA 50319. These data are not compiled into reports for public consumption on a regular basis and are available only in tape format.

## Retail Sales in Iowa's Counties:

### 1980-1996

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The Iowa Department of Revenue and Finance annually reports retail sales tax receipts by the location of sales. Because these taxes are a set percentage of sales, they can be used to generate the actual dollars received from those sales. These data have been aggregated by county in this report. Adjustments have been made in the figures for counties in which additional sales taxes have been generated through local options approved by voters. Receipts are reported from the department's fiscal year of 1 April through 30 March; thus, the numbers in the tables under 1996 cover the period from 1 April 1995 through 30 March 1996.

#### Retail Sales

In 1980, more than \$15 billion in sales were reported on which taxes on retail sales were collected (Table 1). By 1996, this figure had increased to more than \$27 billion. Increases of more than \$1 billion from 1988 to 1989, from 1989 to 1990, and the four most recent comparisons were the largest reported between 1980 and 1996. A minor decrease occurred between 1980 and 1981.

Sales varied greatly among Iowa's counties. In 1996, for example, Polk had sales subject to tax of \$5.9 billion, which was more than a fifth (22.0%) of all retail sales in the state. Four other counties (Black Hawk, Linn, Scott, Woodbury) reported at least a billion dollars in sales. Nearly half (47.5%) of all sales in the state were generated in these five counties in 1996. Sales were less than \$50 million in 20 counties; four of these (Adams, Ringgold, Taylor, Van Buren) had receipts from sales of less than \$25 million in 1996.

When 1986 and 1996 are compared, 94 counties had sales that were greater at the end of the period than the beginning (Figure 1). The greatest increase was in Polk (+\$2.7 billion); Linn's \$1.2 billion gain was the second highest. Another 14 counties reported at least \$100 million more in sales in 1996 than in 1986. Of the five counties that declined in sales, three (Calhoun, Louisa, Lucas) dropped by less than \$5 million when 1986 and 1996 are compared. Keokuk (-\$5.5 million) and Worth (-\$6.4 million) had slightly higher decreases.

The state's increase in retail sales from 1986 to 1996 was 59.1 percent, a level exceeded by 15 counties. These sales more than doubled in Dickinson and Iowa counties and increased by 75-99 percent in Johnson, Linn, Madison, Polk, and Pottawattamie. Three deserve special mention. Iowa County began the period at \$86 million; it was \$95 million higher by 1996, with much of the increase due to a major shopping center constructed near an interstate highway. Sales in Dickinson gained \$97 million by 1996 from its base of \$93 million in 1986; this is related to its status as a recreational center. And Madison's 1986 figure of \$34 million increased by \$30 million in 1996, due in part to increased visits by tourists.

When adjusted for inflation, retail sales varied in a relatively narrow band in the years from 1986 to 1996, with the highest figure (\$27.1 billion in 1996) nearly \$3.3 billion above the lowest (\$23.8 billion in 1986) (Table 2). Sales in 1996, however, would have to have been \$3.6 billion higher to equal the adjusted sales of 1980. Adjusted sales failed to increase in nearly two-thirds (64) of the counties in the period between 1986 and 1996, which indicates that sales kept pace with inflation in only a third of the state's counties (Figure 2).

Table 1. Retail Sales (in \$1,000s) in Iowa Counties, 1980-1996.

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	51431	47615	47085	44794	44158	41630	40683	40798	41626	42847	43041	42748	44944	48603	47299	45732	46122
Adams	23113	22899	22261	21142	20202	19390	19600	19780	20205	20149	18471	19139	20044	22426	21147	19710	20544
Allamakee	88453	86950	80958	79335	76400	76268	68683	68593	70415	68834	65866	66158	66812	67298	67098	61841	61787
Appanoose	80982	81773	83133	84566	79520	71767	66834	68339	66703	71046	64235	62429	63322	64160	62947	65866	65428
Audubon	33324	31544	33009	33361	33898	32634	28740	28482	29768	28980	30633	33449	34900	37079	33906	33939	38407
Benton	111402	102923	99719	95356	92304	90474	85157	83217	82078	80411	76461	83023	84497	87937	86707	87513	89725
Black Hawk	1319854	1259540	1199518	1159371	1099887	1063237	1005436	940556	854311	817100	791059	822513	811969	790325	807585	789589	772710
Boone	154169	148923	145523	140752	136507	132792	127000	117378	112314	106344	106351	108035	108428	103032	95100	98033	101264
Bremer	137423	131954	134048	126414	124219	120756	113444	109543	107662	103908	98188	104160	107199	108042	110078	108326	105713
Buchanan	107284	109990	107471	103393	98632	93557	92402	86499	84045	79745	76597	81744	81323	86940	80862	77594	81309
Buena Vista	157696	152603	150104	146352	142910	142795	133518	131636	131353	135676	121581	130724	135402	130199	123003	122209	127355
Butler	55527	59340	57534	57101	54690	53557	51979	53334	54099	54114	55383	56147	59521	63417	62111	58905	61055
Calhoun	45723	44288	46734	45074	42033	42986	46649	62068	72101	56649	47478	49059	53035	56397	55578	56799	59779
Carroll	206239	198360	196771	182835	171669	165652	160253	155566	151356	146098	133510	138373	145997	145810	135468	131918	138155
Cass	106159	103713	101806	99442	99613	97058	93991	92502	91466	91176	90453	99347	99477	100620	95004	97155	96427
Cedar	76532	74095	72715	71584	66862	64865	62519	62293	61762	66642	61449	64041	65441	75801	71742	71293	72972
Cerro Gordo	568991	534815	501078	474966	457949	450533	430451	410350	383790	374668	350064	346906	334994	324798	303631	292656	286525
Cherokee	92970	91890	88924	84406	82744	81155	76089	78368	75565	75319	75924	78129	81172	84826	77383	77344	79824
Chickasaw	70723	69606	66468	63453	61055	57772	55368	56659	57575	62371	55401	59103	61607	64650	65488	63330	67894
Clarke	48825	46218	47843	49833	50298	48344	45941	44588	43367	41534	40363	38561	39612	38831	41525	42492	40470
Clay	181456	172511	164434	152634	146960	146136	141888	138520	129794	128404	119482	130165	136207	136110	136788	137205	136717
Clayton	87940	83671	81083	78309	78141	73662	70078	70007	73354	72332	67995	72654	78598	81423	80203	80647	87199
Clinton	387172	368345	359805	351560	340329	333187	319160	316064	296565	282351	279952	275889	277727	274440	275239	269954	260690
Crawford	104733	103324	99678	97598	95067	88688	84819	83143	83294	83713	79601	81903	82604	83005	77920	78913	80950
Dallas	157618	145980	139815	133466	129483	127506	119478	115311	110024	111437	111967	123929	125069	120607	119091	117625	116938
Davis	36051	34921	34904	34490	33915	33206	30791	31157	30452	30529	30395	28688	28422	29812	30876	29798	29333
Decatur	25888	26467	33149	26239	26259	25956	24149	24668	24262	24037	24583	24871	25147	25550	26367	25971	24699
Delaware	97930	97376	95003	90454	89378	85243	74415	72518	80114	73093	70176	73033	73519	76392	73610	72574	75055
Des Moines	440530	429853	421306	394399	385059	361824	340744	335287	317488	298971	284125	276396	266705	267579	260038	254610	252944
Dickinson	189909	185595	169777	168501	153482	148070	136452	120573	110234	101287	92539	94166	92911	86185	81572	79391	81664
Dubuque	920570	895062	818488	788170	745005	703878	668050	635491	612932	575734	551085	538324	528239	507296	499035	497984	496155
Emmet	88369	83397	82752	79685	76437	74725	73993	71815	67935	69253	61522	61893	67385	64646	67868	69271	67281
Fayette	133657	131721	128311	125474	122307	120073	114107	111876	111273	116063	112668	113015	117588	120125	121387	119314	122679

\*The fiscal year for these data runs from 1 April through 30 March; thus, 1996 refers to the period from 1 April 1995 through 30 March 1996.

Table 1. Retail Sales (in \$1,000s) in Iowa Counties, 1980-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	103069	94625	96646	98589	95646	90844	89561	88823	84161	82582	79681	86301	88630	88137	88986	83998	85736
Franklin	60744	57930	56413	54793	56306	53104	50283	54094	56102	62215	52931	57200	57593	67425	66187	67370	68697
Fremont	47165	41014	44834	42349	36287	30904	30549	31573	31947	33648	32322	35844	34468	34197	32951	30393	28359
Greene	64937	63183	63833	61487	56691	52327	52089	51318	50701	51754	50322	53954	57158	57829	54525	56523	59423
Grundy	52841	51599	50052	48782	46818	44610	41951	43334	46217	49093	46656	52791	53636	58373	57640	55654	56226
Guthrie	55670	53937	50852	47796	48638	46637	45106	44591	41138	40133	39004	41808	43702	44011	41238	40488	43751
Hamilton	101340	97075	94948	92022	90087	93027	88007	86618	84391	81930	79727	83581	85720	87310	84114	83164	87868
Hancock	60690	58787	56937	55084	53407	53380	52951	55864	55545	56306	54241	57127	60703	62488	59728	60842	65778
Hardin	150040	147087	134712	127418	125287	121269	114617	113661	116399	114209	115277	120061	125928	126560	123838	124053	128964
Harrison	60805	59290	56663	60525	57011	53677	51358	50229	50925	56228	53227	54147	57513	57228	53888	57502	58310
Henry	129776	122683	120015	136446	132010	126527	117024	116959	112340	110256	98335	96785	93046	94097	87927	87928	89433
Howard	52647	55211	53338	52079	49973	47472	43960	43774	46009	49438	45171	44870	48219	50810	50358	47783	49418
Humboldt	66124	64101	63376	62787	60039	59530	60935	59778	59135	56735	54634	58218	60688	61498	62531	60815	62396
Ida	50458	47014	47653	44822	45335	43658	45565	45270	46455	45619	43352	45025	47134	47047	41097	39781	42423
Iowa	181811	178728	174072	160638	151840	112269	101882	97437	92812	91992	86416	88467	88903	86181	84776	85495	83459
Jackson	104953	103088	103107	100184	96596	94149	85880	84868	83579	84608	83105	83106	84821	84828	82866	82175	82451
Jasper	212353	210481	205045	219770	227739	224584	211708	189793	188372	182496	180102	184622	180871	170856	164412	162003	167233
Jefferson	130884	121207	111587	106444	98528	95047	94566	100221	94971	89634	84911	82374	77579	74412	72195	71759	71203
Johnson	990928	947020	888226	825557	774419	738389	705148	656467	597298	578282	528083	518157	497889	459339	415822	387711	366750
Jones	128566	126388	123460	116655	112303	112409	105949	108813	102412	100147	91482	92454	89342	89620	88015	84458	91639
Keokuk	33840	34101	36883	38334	37380	36145	35445	35652	37943	39859	39294	40714	40782	45875	45873	45019	48967
Kossuth	120377	118822	112712	109526	105949	104626	103791	98556	99967	108226	106751	113328	121174	123847	127761	121319	128373
Lee	315634	311386	300336	284046	274242	263718	251736	245632	239793	241840	229971	230595	222663	223988	218822	215502	209094
Linn	2545158	2390230	2217771	2031936	1907676	1834635	1737351	1631777	1516450	1439992	1361418	1334752	1246837	1169591	1132107	1106281	1109708
Louisa	30244	30379	30338	31488	30483	29605	29806	30783	29888	31010	33557	33083	32968	36593	35565	36072	34548
Lucas	36868	42027	38177	62960	62463	62313	55286	59295	56229	50918	38541	39960	39997	39632	41618	40424	39551
Lyon	48835	48822	49347	47457	46263	44680	40657	40654	40907	41952	37061	39205	41662	44469	41085	42977	48149
Madison	64123	61355	56897	56209	52047	49925	46773	42930	41419	39102	34230	34359	36101	38461	37487	38359	39185
Mahaska	160253	159174	164390	160278	155131	145140	133378	130331	130564	128008	123531	123501	118403	119015	111827	111709	117659
Marion	204039	192734	184628	172626	165384	161591	156081	153508	148284	141318	135236	131088	126509	122319	119283	114955	118698
Marshall	363306	352792	350465	313405	301437	297446	280758	268442	251609	234886	234918	240047	232617	227858	218573	216640	210844
Mills	40034	39250	39670	42245	42767	42203	40956	39596	39210	41294	39201	39816	40204	40748	38588	37664	37416
Mitchell	59861	58786	56292	54365	52766	51710	47986	46859	49373	49318	44722	47349	49949	51808	50221	49078	52790

Table 1. Retail Sales (in \$1,000s) in Iowa Counties, 1980-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	51243	48686	48161	48763	45525	45416	44440	45389	44972	47540	46697	45692	50602	50872	49872	51069	56761
Monroe	42651	42339	39615	38608	34915	36810	35468	33854	32752	32884	32103	31983	32531	30907	31496	30683	31009
Montgomery	91439	96583	95943	93309	87408	87705	86810	85279	79231	73427	68593	71589	72701	67219	67734	67604	67045
Muscatine	324487	322694	314481	302688	283404	272409	261989	249746	233345	220120	220037	230943	225050	216307	212491	197822	186131
O'Brien	96469	92637	92254	89599	86581	86453	86120	88484	90297	85916	75044	77701	81619	83799	80234	77940	83884
Osceola	34727	34175	32206	32215	30862	30326	30639	28905	28885	28410	27739	29411	33807	34031	32469	33167	35583
Page	108146	102513	99411	94002	91498	92622	91696	93088	90483	92594	89286	93216	94414	94741	92808	95825	100857
Palo Alto	53708	50920	48943	43950	42558	42691	41576	41056	40860	43389	41834	43766	48570	51476	49188	49792	51980
Plymouth	142261	137331	135414	131779	127175	119529	112889	109781	107755	105145	97563	99411	99433	97457	92418	91142	96470
Pocahontas	41077	39933	39484	38671	39297	37076	36087	36309	37130	36999	40681	47066	48838	51013	48543	49264	51667
Polk	5942471	5646934	5360643	5007727	4720949	4502306	4358547	4111700	3765168	3513382	3254482	3070912	2906398	2608614	2466204	2376725	2370263
Pottawattamie	722846	658474	592235	559849	539073	521820	516367	498007	471803	444704	407113	413236	404873	384239	355209	350131	331083
Poweshiek	134308	121707	127026	171640	172050	165222	151782	149521	128647	124048	117415	116584	111770	109707	102023	91512	91625
Ringgold	21376	20304	21556	21870	22082	21318	20106	20100	19984	20260	19745	19047	19758	21107	22428	21279	23230
Sac	59038	57106	55836	53600	55204	53239	50086	49432	48747	49668	47783	52836	55206	61277	57532	59094	65781
Scott	1913996	1807408	1716910	1638392	1616729	1497100	1481015	1294922	1252558	1188962	1164155	1155406	1078089	1019768	1009623	975293	947266
Shelby	73879	72597	72384	70762	67303	67623	64635	65548	64526	65588	64131	64640	67773	71355	66797	66608	69731
Sioux	206073	198590	195676	182904	175896	167023	151036	139978	136838	133378	125073	132152	139892	140755	134004	131772	144055
Story	627577	614286	578424	560705	527998	514331	478348	450646	428724	414177	396356	382423	370258	355057	335070	323558	311719
Tama	86395	85103	82526	78979	78062	74844	73588	72919	71343	79626	76870	75440	80291	82725	82449	81227	86014
Taylor	21011	21038	20798	19994	19263	18782	17669	17514	17964	19563	18824	19580	21649	23229	23800	23175	25781
Union	110097	101190	96527	89581	86036	85367	75755	71149	71173	70111	68371	66582	67832	68050	65517	64792	67752
Van Buren	23325	22738	23887	20842	21538	19147	18889	16667	16448	16265	17301	18128	17141	17923	19060	21068	22356
Wapello	310418	289523	305815	288355	272987	263945	247915	215842	201028	197748	201279	202055	193091	188781	179792	185458	178592
Warren	148693	141207	134492	125687	121462	117155	103684	98670	92747	88740	87098	86648	84468	81136	79895	76172	78876
Washington	121786	117997	120843	116882	114654	112964	104245	101002	105772	103420	99414	103264	101910	107640	101395	99450	103438
Wayne	27071	25236	23511	23318	22154	22066	21005	20549	20307	21015	21308	20856	21075	23491	25248	24556	27062
Webster	452117	445459	418014	398339	386136	374260	377872	317645	298096	306071	295336	304707	301798	297795	288763	290808	298213
Winnebago	72733	71728	66364	63060	61681	61605	60232	59411	56784	57722	55101	57501	59349	56281	54153	54685	56870
Winneshiek	142369	139072	135092	130892	127748	123919	116184	110092	107402	102934	91806	91095	89734	91174	89851	85230	83811
Woodbury	1140375	1089725	1033068	963271	909134	868587	847458	810994	763298	725923	695572	697824	684745	660299	632564	611872	594253
Worth	25165	24451	23668	22040	22137	21766	21090	21978	22302	27722	31579	24061	26370	29524	27631	30134	33565
Wright	95519	89836	87611	83669	81799	78197	73896	71520	72469	72790	73763	79513	86141	89211	91243	85481	87188
State of Iowa	27064108	24641528	22429291	20646143	18615486	17007366	16712989	15730689	15380853	25830411	23471508	21509747	19620270	17927124	17058024	16201576	15357655

Table 2. Retail Sales Adjusted for Inflation (1996 dollars in \$1,000s) in Iowa Counties, 1980-1996.

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	51431	48927	49679	48505	49253	48036	49402	51973	55260	59210	60261	61857	67264	74964	76624	80965	92030
Adams	23113	23530	23488	22894	22533	22374	23800	25198	26823	27843	25861	27695	29999	34589	34258	34896	40992
Allamakee	88453	89346	85419	85906	85215	88004	83403	87381	93479	95120	92217	95733	99992	103798	108698	109483	123286
Appanoose	80982	84026	87714	91571	88695	82811	81157	87059	88552	98178	89933	90337	94769	98958	101974	116610	130552
Audubon	33324	32413	34827	36125	37809	37656	34900	36283	39518	40047	42888	48402	52232	57189	54927	60085	76635
Benton	111402	105758	105214	103255	102954	104396	103408	106012	108962	111118	107050	120137	126460	135631	140464	154933	179032
Black Hawk	1319854	1294243	1265613	1255408	1226793	1226841	1220918	1198189	1134139	1129139	1107537	1190206	1215207	1218973	1308283	1397900	1541814
Boone	154169	153026	153542	152412	152258	153225	154218	149529	149103	146955	148899	156331	162276	158913	154061	173559	202055
Bremer	137423	135589	141435	136886	138552	139337	137757	139548	142926	143589	137470	150723	160435	166640	178326	191781	210932
Buchanan	107284	113020	113392	111958	110012	107953	112205	110193	111573	110198	107241	118287	121709	134094	130995	137374	162238
Buena Vista	157696	156808	158375	158475	159399	164767	162133	167693	174377	187489	170221	189162	202645	200816	199264	216360	254116
Butler	55527	60975	60704	61831	61000	61799	63119	67943	71819	74779	77540	81247	89080	97813	100619	104286	121826
Calhoun	45723	45508	49309	48808	46883	49601	56647	79069	95718	78283	66472	70991	79374	86984	90036	100557	119279
Carroll	206239	203825	207613	197980	191476	191141	194597	198178	200932	201890	186924	200231	218502	224893	219457	233550	275665
Cass	106159	106571	107416	107679	111107	111992	114135	117840	121426	125995	126640	143759	148879	155194	153907	172004	192404
Cedar	76532	76137	76722	77514	74577	74846	75918	79356	81991	92092	86033	92670	97940	116913	116221	126218	145605
Cerro Gordo	568991	549550	528689	514310	510788	519858	522704	522751	509500	517748	490114	501986	501358	500958	491880	518122	571713
Cherokee	92970	94421	93823	91398	92291	93642	92396	99834	100316	104082	106298	113056	121484	130833	125360	136930	159276
Chickasaw	70723	71524	70131	68709	68100	66662	67234	72179	76434	86189	77565	85524	92202	99714	106091	112120	135472
Clarke	48825	47491	50479	53961	56102	55783	55788	56801	57572	57395	56511	55800	59284	59892	67271	75229	80752
Clay	181456	177264	173494	165278	163917	168623	172297	176462	172308	177440	167283	188353	203850	209932	221596	242910	272796
Clayton	87940	85977	85551	84796	87157	84996	85097	89184	97381	99954	95198	105133	117631	125584	129929	142779	173992
Clinton	387172	378494	379631	380681	379597	384455	387562	402639	393705	390176	391953	399222	415650	423288	445886	477931	520163
Crawford	104733	106170	105171	105682	106036	102335	102997	105918	110577	115682	111447	118516	123627	128024	126231	139708	161522
Dallas	157618	150002	147519	144522	144423	147126	145084	146897	146062	153993	156761	179330	187180	186020	192927	208246	233331
Davis	36051	35883	36827	37347	37828	38315	37390	39692	40426	42188	42555	41513	42536	45982	50018	52755	58530
Decatur	25888	27197	34976	28413	29289	29950	29325	31425	32209	33217	34418	35989	37635	39408	42714	45980	49283
Delaware	97930	100059	100238	97946	99690	98360	90363	92382	106355	101006	98251	105681	110029	117825	119247	128486	149759
Des Moines	440530	441696	444521	427069	429487	417499	413771	427128	421481	413144	397794	399955	399156	412706	421261	450765	504708
Dickinson	189909	190708	179132	182459	171190	170854	165696	153600	146340	139968	129561	136261	139051	132929	132146	140555	162947
Dubuque	920570	919723	863588	853457	830965	812186	811224	809562	813697	795598	771557	778975	790571	782438	808434	881637	989994
Emmet	88369	85695	87311	86285	85257	86223	89851	91487	90188	95699	86136	89562	100850	99708	109945	122639	134248
Fayette	133657	135350	135381	135867	136419	138550	138562	142520	147720	160386	157743	163537	175984	185277	196646	211236	244786

\*The fiscal year for these data runs from 1 April through 30 March; thus, 1996 refers to the period from 1 April 1995 through 30 March 1996.

Table 2. Retail Sales Adjusted for Inflation (1996 dollars in \$1,000s) in Iowa Counties, 1980-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	103069	97233	101971	106755	106681	104823	108755	113153	111727	114118	111559	124880	132645	135940	144156	148711	171072
Franklin	60744	59526	59521	59332	62803	61275	61059	68911	74478	85974	74107	82770	86195	103994	107223	119273	137073
Fremont	47165	42144	47305	45857	40474	35660	37097	40222	42411	46498	45253	51867	51585	52744	53380	53809	56586
Greene	64937	64924	67350	66581	63232	60379	63253	65375	67307	71518	70455	78073	85543	89194	88331	100068	118569
Grundy	52841	53021	52810	52823	52219	51475	50942	55204	61356	67840	65322	76391	80272	90033	93377	98531	112189
Guthrie	55670	55423	53654	51756	54250	53813	54772	56806	54613	55459	54608	60497	65404	67882	66805	71680	87297
Hamilton	101340	99750	100180	99644	100482	107341	106868	110344	112033	113218	111623	120944	128290	134665	136265	147235	175325
Hancock	60690	60406	60074	59647	59569	61594	64299	71166	73738	77809	75942	82665	90849	96379	96759	107715	131250
Hardin	150040	151140	142135	137972	139743	139929	139181	144795	154525	157824	161396	173732	188465	195203	200617	219626	257326
Harrison	60805	60923	59785	65538	63589	61936	62365	63988	67605	77701	74522	78352	86075	88267	87299	101802	116348
Henry	129776	126063	126628	147749	147242	145997	142105	148995	149136	152361	137675	140052	139255	145132	142441	155669	178448
Howard	52647	56733	56277	56393	55739	54777	53382	55764	61079	68318	63242	64929	72166	78367	81580	84596	98605
Humboldt	66124	65867	66868	67988	66966	68690	73994	76152	78505	78402	76491	84243	90827	94853	101299	107667	124501
Ida	50458	48309	50279	48535	50566	50376	55331	57670	61671	63041	60696	65152	70542	72564	66577	70429	84647
Iowa	181811	183652	183664	173945	169360	129545	123717	124127	123213	127123	120988	128015	133054	132922	137337	151361	166529
Jackson	104953	105929	108788	108483	107741	108636	104285	108114	110955	116918	116353	120258	126944	130835	134243	145484	164517
Jasper	212353	216280	216343	237974	254015	259141	257080	241780	250074	252189	252155	267155	270695	263523	266347	286813	333686
Jefferson	130884	124547	117736	115261	109897	109672	114833	127674	126079	123864	118881	119198	116107	114770	116955	127044	142074
Johnson	990928	973113	937168	893942	863773	852007	856273	836284	792943	799120	739352	749792	745149	708470	673629	686408	731788
Jones	128566	129870	130263	126318	125260	129705	128656	138618	135957	138391	128081	133784	133710	138227	142584	149526	182850
Keokuk	33840	35040	38915	41510	41693	41707	43041	45418	50371	55081	55014	58914	61035	70756	74313	79703	97706
Kossuth	120377	122096	118923	118599	118173	120725	126036	125552	132711	149556	149459	163990	181350	191018	206971	214784	256147
Lee	315634	319966	316885	307575	305884	304298	305687	312915	318336	334195	321976	333679	333241	345472	354490	381528	417212
Linn	2545158	2456086	2339973	2200251	2127785	2116937	2109694	2078748	2013161	1989905	1906078	1931436	1866037	1803942	1834007	1958575	2214239
Louisa	30244	31216	32010	34097	34000	34161	36193	39215	39677	42852	46981	47873	49341	56440	57616	63863	68935
Lucas	36868	43185	40281	68175	69671	71901	67135	75536	74647	70364	53960	57824	59860	61127	67421	71567	78918
Lyon	48835	50167	52066	51388	51601	51555	49370	51790	54306	57973	51888	56731	62352	68588	66557	76086	96074
Madison	64123	63045	60032	60865	58052	57607	56797	54689	54986	54034	47924	49718	54030	59322	60729	67911	78188
Mahaska	160253	163560	173448	173555	173030	167473	161963	166030	173330	176892	172952	178710	177205	183566	181159	197772	234769
Marion	204039	198044	194801	186925	184466	186456	189532	195556	196855	195285	189340	189689	189336	188661	193238	203517	236841
Marshall	363306	362512	369776	339366	336217	343215	340929	341972	334023	324586	328901	347358	348139	351441	354087	383542	420705
Mills	40034	40332	41856	45744	47701	48697	49733	50441	52053	57063	54884	57615	60170	62848	62512	48977	74657
Mitchell	59861	60406	59394	58869	58854	59667	58271	59694	65545	68152	62614	68515	74754	79908	81358	86888	105334



Table 2. Retail Sales Adjusted for Inflation (1996 dollars in \$1,000s) in Iowa Counties, 1980-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	51243	50028	50815	52803	50778	52405	53964	57822	59702	65695	65378	66118	75732	78464	80792	90413	113258
Monroe	42651	43505	41798	41806	38943	42474	43069	43127	43480	45442	44947	46281	48687	47669	51023	54321	61874
Montgomery	91439	99244	101229	101039	97493	101201	105414	108638	105183	101468	96035	103592	108805	103677	109728	119687	133777
Muscatine	324487	331584	331810	327761	316103	314325	318138	318156	309777	304181	308067	334184	336814	333625	344234	350227	371393
O'Brien	96469	95190	97337	97021	96571	99755	104577	112721	119874	118726	105067	112436	122153	129249	129978	137986	167377
Osceola	34727	35117	33981	34884	34423	34992	37205	36823	38346	39260	38836	42559	50596	52489	52599	58720	71001
Page	108146	105338	104888	101789	102055	106874	111347	118586	120121	127954	125006	134887	141302	146125	150349	169650	201244
Palo Alto	53708	52323	51640	47591	47468	49261	50487	52302	54243	59959	58570	63332	72691	79395	79685	88152	103717
Plymouth	142261	141115	142875	142694	141848	137921	137083	139851	143050	145299	136595	143851	148813	150315	149716	161360	192490
Pocahontas	41077	41034	41660	41874	43831	42781	43821	46255	49291	51128	56956	68107	73091	78681	78639	87218	103094
Polk	5942471	5802519	5656021	5422542	5265656	5195093	5292656	5237962	4998443	4855093	4556498	4443723	4349764	4023446	3995236	4207786	4729466
Pottawattamie	722846	676616	624867	606225	601272	602114	627033	634420	626341	614531	569986	597967	605939	592638	575437	619876	660621
Poweshiek	134308	125061	134025	185857	191901	190645	184312	190477	170785	171421	164390	168702	167278	169208	165277	162014	182823
Ringgold	21376	20863	22744	23681	24630	24598	24415	25606	26529	27997	27645	27561	29570	32554	36333	37672	46351
Sac	59038	58679	58913	58040	61574	61431	60820	62972	64714	68636	66899	76456	82623	94512	93202	104621	131256
Scott	1913996	1857206	1811514	1774109	1803268	1727464	1798421	1649622	1662832	1643009	1629897	1671916	1613487	1572859	1635583	1726673	1890111
Shelby	73879	74598	76373	76623	75069	78029	78487	83502	85662	90636	89787	93537	101429	110055	108211	117923	139136
Sioux	206073	204062	206458	198055	196191	192724	183406	178320	181659	184313	175110	191229	209364	217096	217085	233291	287438
Story	627577	631211	610295	607151	588919	593473	580865	574086	569152	572346	554926	553379	554134	547629	542812	572831	621984
Tama	86395	87448	87073	85521	87069	86360	89359	92892	94711	110034	107623	109164	120165	127592	133568	143805	171627
Taylor	21011	21618	21944	21650	21485	21672	21455	22312	23848	27034	26355	28333	32400	35828	38556	41029	51443
Union	110097	103978	101846	97001	95963	98502	91991	90638	94486	96886	95723	96347	101519	104958	106137	114708	135188
Van Buren	23325	23365	25203	22568	24023	22093	22938	21232	21836	22477	24222	26232	25653	27643	30878	37299	44607
Wapello	310418	297500	322666	312240	304485	304559	301047	274965	266874	273265	281804	292381	288983	291170	291262	328337	356351
Warren	148693	145097	141902	136098	135477	135182	125905	125697	123126	122628	121943	125383	126415	125142	129430	134857	157384
Washington	121786	121249	127502	126564	127882	130346	126587	128669	140418	142914	139186	149427	152520	166020	164259	176068	206394
Wayne	27071	25931	24807	25250	24711	25462	25506	26178	26958	29041	29833	30179	31541	36232	40902	43475	53998
Webster	452117	457732	441047	431335	430689	431848	458857	404653	395738	422955	413491	440923	451676	459310	467795	514850	595034
Winnebago	72733	73704	70021	68284	68798	71084	73141	75685	75383	79765	77145	83205	88823	86806	87727	96815	113475
Winneshiek	142369	142904	142536	141735	142488	142987	141085	140248	142581	142243	128534	131818	134298	140624	145558	150892	167231
Woodbury	1140375	1119750	1089991	1043064	1014030	1002239	1029082	1033139	1013315	1003143	973849	1009777	1024802	1018426	1024749	1083267	1185733
Worth	25165	25125	24972	23866	24691	25115	25610	27999	29607	38309	44213	34817	39466	45537	44761	53350	66973
Wright	95519	92311	92438	90600	91237	90229	89733	91110	96207	100587	103274	115058	128920	137597	147813	151336	173969
State of Iowa	27064108	25999307	25017200	25070954	24712960	23811479	25012944	25483625	30689942	26542093	25415769	24819534	24994581	24773240	24683589	24988814	27189401

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa Counties, 1980-1996.

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-14863	-21275	-19066	-16735	-16404	-15560	-11337	-7808	-3816	-2569	-1424	-2665	1027	7524	-2156	-1881	-5946
Adams	-12330	-14419	-13001	-10711	-11386	-10839	-9833	-8494	-6680	-6391	-7493	-6070	-5929	-2757	-3770	-5663	-6931
Allamakee	-21045	-14429	-18091	-15112	-13220	5757	-77	2750	7541	5568	3480	4659	8731	9491	-1250	-5844	-7833
Appanoose	-23953	-21828	-18997	-10751	-9596	-7755	-9570	-5567	-5092	3813	-2525	-5013	-4180	-3010	-8768	-1907	-5379
Audubon	-27206	-32011	-26784	-22475	-21051	-8610	-8999	-7334	-6098	-6899	-5225	-1320	729	3095	-10248	-10541	-7743
Benton	-102573	-109964	-96060	-85969	-78189	-60505	-61154	-53614	-47494	-49149	-48848	-42403	-40326	-35453	-39569	-39626	-38170
Black Hawk	154117	203220	192339	181219	143819	-81759	-61849	-71322	-73656	-77548	-66556	-80988	-93442	-103156	7179	12272	34841
Boone	-80642	-74087	-70967	-62421	-58553	-61132	-60110	-60687	-58605	-59135	-49880	-49825	-50492	-46798	-43913	-36524	-36501
Bremer	-78506	-71656	-58168	-56328	-50705	-72214	-67772	-64077	-59041	-50445	-51312	-44429	-40495	-33340	-23041	-21576	-22472
Buchanan	-73412	-69506	-62326	-55693	-54509	-43039	-37583	-36656	-34121	-39767	-37579	-34313	-37168	-26995	-34634	-35741	-29937
Buena Vista	-12036	-1565	1541	3790	4194	12887	7097	12582	13424	19194	12279	23330	28972	27957	2767	6147	11842
Butler	-89329	-69523	-65506	-59947	-59010	-46973	-40127	-35046	-31843	-30472	-28033	-28346	-23959	-18817	-33045	-34682	-37818
Calhoun	-55175	-50603	-43714	-39369	-39078	-35192	-29579	-9578	4687	-5057	-14552	-14205	-12284	-7491	-15017	-12435	-10866
Carroll	22837	19064	21987	16460	13176	30406	29350	28825	26559	23652	13512	18666	29351	36723	14971	16395	24723
Cass	-9808	-18669	-13264	-10177	-5171	-9579	-12884	-11352	-7055	-1175	-2902	5895	10523	14923	-5402	-2886	-4013
Cedar	-91725	-70316	-70357	-70015	-70316	-44315	-51071	-44562	-43818	-38071	-40152	-37687	-36007	-24431	-36727	-37926	-31257
Cerro Gordo	124042	114030	92604	80683	80415	82740	73376	70008	53082	46894	42840	42920	36143	35639	46178	27800	28124
Cherokee	-23925	-19020	-15773	-15835	-15997	-13745	-18737	-11781	-14518	-8170	-3994	-3061	-764	4442	-8727	-7385	-1064
Chickasaw	-41349	-40509	-36921	-33848	-32076	-21527	-24118	-18659	-18830	-9528	-13376	-11128	-7886	-199	-11453	-8839	-3813
Clarke	-15874	-12090	-10695	-7584	-6216	-1405	-3390	-1123	342	2317	4018	1464	2447	2132	-4076	-2944	-5758
Clay	29855	1835	3778	3170	4600	20545	22372	24704	20760	15895	5661	13336	22278	32067	6986	6788	12750
Clayton	-47262	-62100	-59877	-53851	-49809	-43529	-47355	-43243	-32946	-25442	-27566	-21689	-13284	-10292	-15564	-14540	-6803
Clinton	-78573	-64146	-55925	-45724	-42284	-64549	-61348	-47608	-58014	-55433	-45363	-43275	-42479	-50248	-37174	-33223	-49309
Crawford	-32645	-23326	-22389	-18696	-14809	-6429	-13706	-14979	-10079	-9023	-11289	-9561	-5456	-5040	-7990	-4819	-6098
Dallas	-190087	-144296	-133688	-128266	-115411	-81776	-97875	-85263	-70601	-68246	-57841	-45493	-48724	-51067	-51019	-46949	-48278
Davis	-35173	-32631	-27218	-23096	-23080	-15599	-17087	-15615	-14321	-10018	-8586	-10749	-9378	-5677	-7066	-7630	-11190
Decatur	-23604	-26601	-16294	-19827	-19987	-22484	-23111	-20557	-19610	-16774	-13068	-13291	-12621	-10574	-5694	-5156	-8076
Delaware	-51851	-52615	-48016	-46662	-43094	-30290	-37385	-33787	-21070	-23388	-21515	-17264	-14480	-6873	-20522	-22625	-22505
Des Moines	35807	49792	55291	41423	45051	701	-9136	4342	5434	-4920	3177	-6865	-4014	8205	24000	19370	21975
Dickinson	35686	27459	17889	20908	13316	21842	24605	16415	7196	182	-8758	-8449	-4801	-6586	-3732	-760	2241
Dubuque	98366	129774	89608	90264	69963	73406	63710	47367	57852	55555	56822	32442	46675	20156	-10754	-5995	18733
Emmet	-920	-10014	-6704	-5776	-4145	5094	5926	5212	4528	4168	-5671	-5324	3702	-2225	7210	9525	6108
Fayette	-35287	-28681	-26763	-22286	-20223	-19516	-24913	-18829	-16885	-6133	-6203	-7311	-1169	2534	8635	8754	11946

\*The fiscal year for these data runs from 1 April through 30 March; thus, 1996 refers to the period from 1 April 1995 through 30 March 1996.

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa Counties, 1980-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-42398	-51164	-38623	-28656	-27471	-20941	-24353	-17478	-17782	-13982	-15506	-9632	-1850	-2628	-17544	-24042	-25824
Franklin	-34428	-34605	-32227	-27360	-25243	-25769	-28878	-12108	-23568	-13226	-21063	-17032	-16249	-5955	-3896	-2575	-9805
Fremont	-16100	-24282	-16597	-14139	-17501	-23321	-31436	-28430	-24586	-19665	-18037	-15173	-11789	-7812	-17209	-18016	-17079
Greene	-21932	-19325	-12803	-11667	-15240	-22293	-23523	-22051	-21143	-15244	-17208	-14541	-8481	-4406	-19587	-17956	-19865
Grundy	-81157	-57211	-51400	-50445	-50966	-53414	-58801	-51919	-45969	-46649	-43659	-37365	-36389	-25340	-24860	-25592	-26269
Guthrie	-41871	-45462	-42187	-40416	-34357	-22312	-20238	-18509	-18255	-16347	-14177	-11953	-9025	-6732	-15773	-15660	-19651
Hamilton	-25002	-50185	-42598	-36088	-33536	-27727	-27771	-23738	-20404	-22689	-15604	-14043	-8551	-2383	-5712	-2507	607
Hancock	-47629	-41313	-41867	-38303	-38740	-36782	-41429	-31933	-31308	-23236	-22478	-18919	-13480	-7841	-11891	-12067	-9566
Hardin	-19005	-15945	-15835	-17924	-16320	-18057	-17109	-16045	-11095	-3608	836	8732	14076	18382	5843	8706	14652
Harrison	-84115	-52543	-49181	-37393	-37460	-28476	-33968	-30997	-25542	-18162	-17904	-17101	-14350	-10050	-24598	-21683	-22777
Henry	-59781	-37314	-33383	-14862	-15837	-22698	-16019	-12811	-5991	-1897	-4256	-4957	-5895	-467	-9323	-11635	-9968
Howard	-22702	-21048	-18133	-16118	-13992	-12857	-16318	-13829	-8193	-6723	-7671	-7806	-2484	1128	-8275	-8686	-10190
Humboldt	-26325	-38033	-31806	-24698	-25630	-15373	-15647	-14711	-14572	-11812	-12762	-8345	-6982	-4513	-8399	-8958	-3267
Ida	-23346	-22378	-18955	-17739	-14495	-7466	-5965	-3754	-2650	-1412	12	2767	4725	7905	-20987	-19659	-19581
Iowa	28331	43835	45523	37557	33075	1890	-2725	-3967	-3803	1652	-130	2404	4405	8478	14815	19625	20268
Jackson	-59562	-61440	-54133	-49397	-47546	-33034	-40188	-38842	-38754	-35538	-28512	-29195	-24897	-22659	-23999	-20063	-22832
Jasper	-131608	-110280	-104683	-78309	-58990	-42249	-40549	-54716	-32322	-36577	-23331	-20821	-27810	-23642	-31948	-34012	-35432
Jefferson	-10422	-21450	-25256	-22874	-25161	-32809	-30166	-20919	-17548	-12119	-10005	-7257	-4833	-4022	-7461	-9937	-12804
Johnson	-116201	-108243	-133362	-135055	-134893	-91787	9656	1741	-20051	-24480	-34393	-45133	-69498	-73814	6116	510	-6823
Jones	-31870	-35397	-39721	-37965	-28785	-7632	-11511	-2025	-4496	-7185	-12116	-11099	-6128	-781	-8476	-9090	814
Keokuk	-57051	-50492	-46717	-43588	-42854	-39670	-36053	-35266	-28506	-27868	-22306	-21291	-21304	-13610	-18076	-19201	-19100
Kossuth	-16934	-20752	-18000	-13119	-20222	-14469	-14273	-14214	-8288	541	437	7690	17534	20012	1017	-2253	-3326
Lee	-16136	-1312	4244	-3405	-2841	-23071	-50757	-42832	-40135	-31790	-28964	-30095	-22968	-9546	8104	11252	2590
Linn	601539	488334	416132	299905	273707	265881	267716	263700	225146	238263	234046	206699	121993	92856	158079	154187	196561
Louisa	-80480	-74902	-72241	-61949	-63241	-59290	-53546	-50860	-44788	-43858	-36750	-38869	-40992	-30823	-26843	-21811	-21238
Lucas	-33978	-27336	-28991	-353	-1207	7723	-3047	2252	2498	-4798	-13070	-12941	-13180	-11614	-19832	-18064	-24801
Lyon	-42497	-38623	-33796	-31114	-29378	-14943	-15836	-13607	-11305	-9448	-14631	-12304	-10718	-7479	-21075	-17721	-10324
Madison	-53847	-54745	-54816	-50668	-48080	-27334	-21818	-21170	-20097	-21783	-22034	-23587	-22909	-17150	-19998	-20135	-28727
Mahaska	-26546	-16722	-5106	-2453	-3237	10874	1115	2595	6366	5194	5371	5016	5367	9286	4654	8661	12468
Marion	-82271	-81395	-78891	-76548	-72276	-68477	-56084	-50253	-35869	-39112	-29753	-36555	-33486	-32780	-40635	-35322	-40881
Marshall	-11108	-24393	-5941	-21800	-24271	-30178	-36392	-39128	-49336	-54097	-35477	-35981	-47626	-38431	-7005	-3772	-7588
Mills	-76123	-69627	-62269	-56348	-54115	-43086	-39455	-38841	-38098	-36690	-35177	-35302	-28558	-25297	-39449	-35185	-42002
Mitchell	-29750	-38057	-35412	-30502	-29212	-20919	-23285	-20857	-16021	-11058	-13514	-10252	-9484	-2391	-6786	-9276	-3137

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa Counties, 1980-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-39688	-33945	-29559	-23044	-22504	-12022	-14068	-10074	-6590	-5531	-2996	-5249	-59	1687	-17040	-14006	-15961
Monroe	-23174	-20263	-19985	-18703	-19588	-28431	-26943	-26232	-23730	-19125	-15574	-13473	-11951	-14725	-9017	-9506	-12491
Montgomery	-13705	-4444	217	5594	999	6510	3606	6309	-574	-7425	-12811	-5875	-2440	-1879	-12932	-12211	-13043
Muscatine	-88684	-64895	-56533	-48390	-49416	-77830	-78444	-76119	-70174	-63871	-49827	-41826	-43229	-44753	-10850	-16155	-32639
O'Brien	-21012	-33360	-29057	-25980	-23843	-12483	-7218	-1369	4596	3090	-5281	-4094	-328	3980	-4512	-3284	-2475
Osceola	-19457	-31141	-29541	-25323	-25463	-14820	-13718	-14457	-11866	-11370	-9233	-8628	-5102	-4108	-6060	-3806	1999
Page	-39929	-41343	-35727	-33750	-34132	-28778	-30797	-22092	-23316	-14619	-13777	-8965	-6047	-3161	-4396	977	-10895
Palo Alto	-31562	-35089	-30149	-30922	-32525	-25820	-24914	-22875	-21645	-20486	-21218	-18507	-14731	-9974	-21834	-16184	-15184
Plymouth	-89757	-80929	-67721	-56090	-51208	-27941	-37905	-22349	-23814	-20774	-19295	-19402	-22614	-19719	-31937	-24663	-18527
Pocahontas	-32345	-40811	-36745	-31807	-30649	-32500	-33470	-29488	-27203	-27649	-20174	-12104	-7020	-1289	-9050	-7782	-11101
Polk	1870822	1712091	1598440	1403576	1372185	1453813	1499008	1423731	1260553	1166762	1069462	904911	804212	587459	638933	583878	595400
Pottawattamie	-36545	-56052	-88170	-93281	-94613	-159832	-157220	-141599	-129148	-106629	-113961	-108408	-96214	-100227	-88815	-81922	-94186
Poweshiek	-39793	-52845	-41355	12792	18446	22655	20869	24153	12109	11529	12384	11249	8648	13405	-20962	-26321	-31900
Ringgold	-13764	-17662	-15482	-13154	-12106	-5468	-5936	-3878	-3465	-4767	-3667	-5055	-3997	-2657	-6722	-7875	-8595
Sac	-47401	-55084	-48338	-44263	-38636	-17691	-17465	-16198	-14528	-15314	-16510	-9357	-7469	-1694	-16371	-14052	-15386
Scott	333354	377256	358621	317840	355593	181458	156053	34380	62717	18966	56758	46580	35223	-36822	46103	44158	59053
Shelby	-38894	-37112	-33041	-29484	-27397	-17539	-22445	-19171	-16290	-9458	-9891	-11417	-8032	1959	-4450	-4592	91
Sioux	-52097	-41449	-31319	-29119	-22417	-1606	-18833	-21694	-21257	-12892	-15066	-5001	3877	8353	-4126	-5785	7011
Story	-82996	-80638	-86185	-58658	-52615	-91895	-70389	-77679	-87181	-81552	-70518	-73580	-90328	-74804	-64210	-53835	-55508
Tama	-77932	-56275	-51983	-51345	-51557	-42950	-32095	-28673	-30715	-22266	-21152	-20916	-12943	-8843	-23436	-21622	-29143
Taylor	-29398	-27754	-25011	-23278	-23934	-21501	-22826	-21944	-19006	-15087	-15527	-14792	-13189	-10478	-13353	-13367	-10734
Union	15610	4587	2085	985	-778	-9347	-12649	-14592	-12191	-8244	-4530	-8228	-6450	-2675	345	1831	1108
Van Buren	-35991	-31634	-27633	-28022	-25390	-21999	-21915	-22713	-22054	-19651	-15935	-14841	-15770	-13533	-17947	-15758	-17371
Wapello	7707	6877	39872	31145	16804	5964	2546	-23031	-23746	-30918	-20490	-22151	-17090	-25967	-18526	-15609	-25155
Warren	-238301	-219970	-208870	-200318	-178400	-154426	-169718	-159078	-148405	-146101	-127561	-126899	-126514	-131980	-87364	-85598	-79081
Washington	-58256	-46464	-37445	-35045	-28492	-20420	-24531	-22431	-10300	-14371	-11665	-6897	-1358	4881	-5279	-6600	-2361
Wayne	-19089	-23693	-23594	-21254	-21891	-15596	-13125	-12180	-10880	-11455	-8933	-10397	-10309	-6820	-9675	-9496	-15496
Webster	102789	91380	77588	77082	78977	97076	107425	59839	51399	57173	55661	61659	62956	55200	42451	48848	66013
Winnebago	-13741	-20782	-20561	-20715	-21360	-38773	-36298	-31489	-34429	-30517	-26951	-23537	-14822	-11293	-3414	-4012	-14913
Winneshiek	-32797	-22859	-20844	-17797	-16593	-8982	-15624	-14306	-10901	-14181	-20128	-22383	-19347	-7835	-17020	-17965	-27207
Woodbury	115538	174395	149260	120481	116169	156047	167881	174087	168700	135371	133792	131793	112362	96265	98847	92910	33023
Worth	-38045	-40401	-36590	-34704	-33164	-38339	-39588	-32989	-30066	-26132	-18462	-25069	-20289	-13307	-20107	-15592	-15641
Wright	-12408	-29536	-22136	-20054	-21454	-49576	-56225	-51468	-45297	-45120	-40603	-31450	-11533	-3578	-14524	-20916	-22250

Figure 1. Change in retail sales (unadjusted for inflation),  
1986 to 1996.

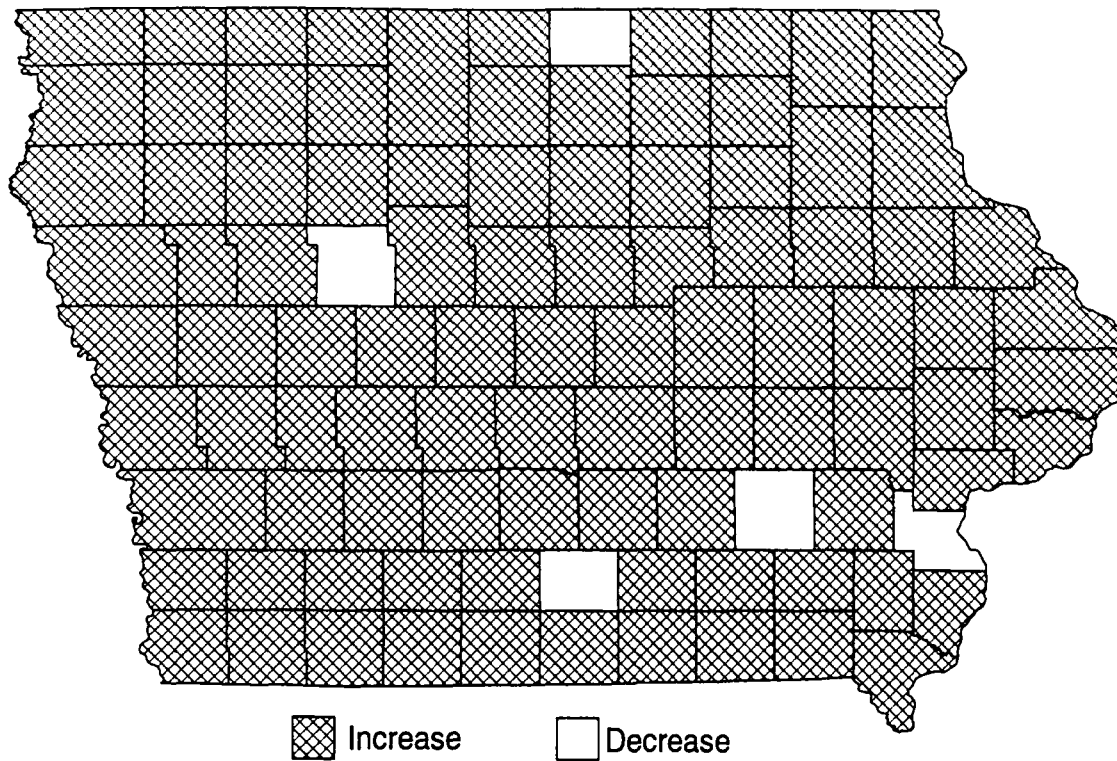
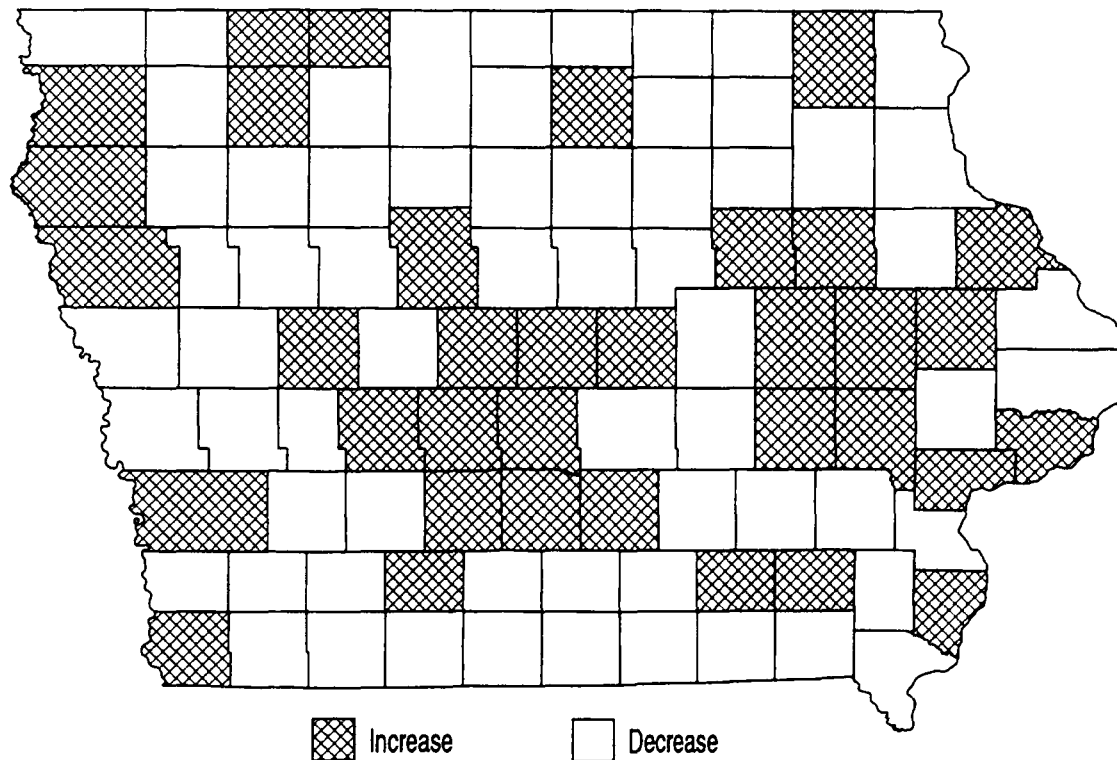


Figure 2. Change in retail sales (adjusted for inflation),  
1986 to 1996.



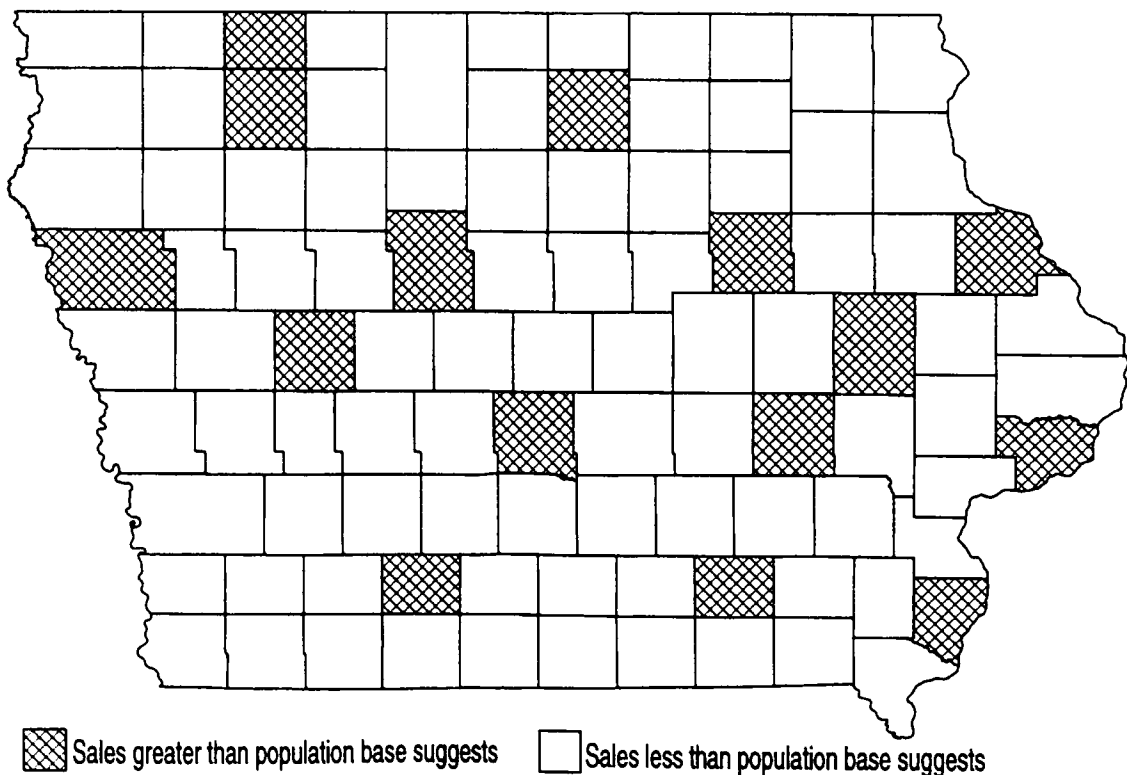
### Estimated Gains and Losses in Retail Sales

The volume of sales expected in a county can be estimated by relating population figures to retail sales. The first step is to obtain the average sales per person in the state; the total sales figure is divided by the population. This state average then is multiplied by the population estimate for a particular county and the result is compared with the actual sales reported for that county. If the county's actual sales are greater than what the state average suggests, then that county has gained sales from residents of other counties. If the county's actual sales are less than the figure resulting from multiplying the state's average times the local population, then sales have been lost from that county to others. Because these calculations are based on population estimates for the years 1981 through 1989 and for 1991-1995, caution must be exercised in interpreting them. The calculations for 1980 and 1990 use the population counts from the decennial censuses.

Sales above what would be expected from the state average occurred in 15 counties in 1996 (Table 3, Figure 3). These counties are serving residents substantially in excess of those living within their own boundaries. These additional sales ranged from less than \$50 million in seven counties to nearly \$1.9 billion in Polk. Six other counties (Black Hawk, Cerro Gordo, Linn, Scott, Webster, Woodbury) had figures at least \$100 million above those expected when population is factored into the calculations.

The remaining 84 counties had sales that were lower than their population bases would suggest. Twenty-seven lost sales of less than \$25 million and 28 were down at least \$50 million in expected sales. Only Benton, Dallas, Jasper, Johnson, and Warren counties had sales at least \$100 million less than expected. Counties with relatively high leakage of retail sales generally are near major metropolitan centers that most likely captured many of those dollars.

Figure 3. Retail sales compared with population base, 1996.



## County Business Patterns in Iowa: 1985-1995

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Each year, the U.S. Bureau of the Census publishes reports on business patterns for counties in every state. Most of the economic divisions of the economy are covered in these reports, including agricultural services, mining, construction, manufacturing, transportation, public utilities, wholesale trade, retail trade, finance, insurance, real estate, and service industries. The data generally represent the types of employment covered by the Federal Insurance Contributions Act (FICA). This includes all covered wage and salary employment of private nonfarm employers and of nonprofit organizations and all religious organizations covered under the elective provisions of FICA. Data for employees of establishments totally exempt from FICA are excluded, as are self-employed persons, domestic service workers, railroad employees, agricultural production workers, most government employees, and employees in foreign countries.

The number of establishments, number of employees, and annual payroll are reported. An establishment is a single physical location where business is conducted or where services or industrial operations are performed. Paid employment consists of full- and part-time employees who were on the payroll in the pay period including March 12. This includes salaried officers and executives of corporations and employees on paid sick leave, holidays, or vacations. Total annual payroll is the combined amount of wages, salaries, tips reported, commissions, bonuses, vacation allowances, sick-leave pay, and the value of payments in kind paid to employees before deductions for social security, income tax, insurance, and so on.

### Number of Establishments

Iowa had 78,464 of these establishments in 1995, 700 more than in 1994 and 5,256 higher than the 1985 figure (Table 1, Figure 1). Iowa gained businesses each year since 1987; annual increases ranged from 247 (1987-1988) to 1,651 (1991-1992).

Iowa's most populous counties had the largest number of establishments; Polk's total (11,008) in 1995 was more than double that of Linn (5,081) or Scott (4,369). Adams (126) and Ringgold (128) had the fewest businesses; eight other counties counted fewer than 200. In the span from 1985 to 1995, only Marshall and Pocahontas declined by more than 40 businesses, although 40 others had fewer establishments in 1995 than in 1985. Polk had 1,665 more firms in 1995 than in 1985. Three others (Johnson, Linn, Scott) increased by at least 300 and nine more gained from 100 to 299 firms. Fifty-five counties registered increases over the 10 years.

### Number of Employees

Employees in these establishments increased each year in Iowa from 1985 to 1995, when more than 1,138,000 were counted (Table 2). The gain in employees between 1994 and 1995 was 48,600 (+4.5%). The period of 1985 to 1995 (Figure 2) saw Iowa's employees increase by 290,916, a 34.3 percent gain.

Table 1. Number of Business Establishments In Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	214	206	214	213	221	216	225	226	225	226	244
Adams	126	128	120	120	110	125	117	122	118	123	125
Allamakee	407	396	406	400	411	396	401	396	391	394	392
Appanoose	328	333	337	332	327	328	326	318	305	309	317
Audubon	217	217	210	211	203	199	204	197	195	205	221
Benton	575	558	549	536	537	544	531	530	539	532	559
Black Hawk	3134	3159	3163	3096	3006	3011	2976	2950	2956	2999	3094
Boone	535	553	545	516	511	506	504	521	531	543	554
Bremer	631	614	616	615	611	584	564	567	564	580	586
Buchanan	508	494	482	493	478	465	460	446	434	430	475
Buena Vista	621	619	625	623	610	604	609	624	623	619	632
Butler	377	366	364	375	374	368	362	372	362	366	403
Calhoun	339	329	339	330	323	316	329	331	339	327	346
Carroll	829	816	799	774	740	747	734	718	727	731	743
Cass	499	511	510	496	512	487	482	488	489	501	539
Cedar	461	452	465	439	437	444	435	438	437	455	454
Cerro Gordo	1481	1463	1444	1448	1421	1398	1415	1405	1434	1460	1469
Cherokee	376	360	377	377	386	381	374	380	389	399	400
Chickasaw	390	392	393	391	378	368	369	374	357	359	377
Clarke	210	201	214	208	213	196	208	210	208	199	211
Clay	619	629	619	607	589	593	605	595	605	595	623
Clayton	536	544	535	520	517	531	508	509	504	493	523
Clinton	1268	1282	1256	1271	1249	1215	1215	1190	1193	1211	1244
Crawford	481	474	486	493	482	481	476	477	456	477	493
Dallas	752	724	718	681	650	612	597	592	591	617	616
Davis	177	168	179	175	172	174	166	179	175	174	184
Decatur	169	170	178	175	166	169	173	175	163	164	178
Delaware	429	426	414	420	424	413	410	398	400	411	417
Des Moines	1225	1234	1244	1220	1213	1186	1167	1181	1189	1193	1208
Dickinson	689	657	647	641	611	608	598	561	551	551	550
Dubuque	2567	2510	2496	2440	2441	2357	2273	2255	2217	2239	2279
Emmet	305	312	316	299	278	283	281	280	288	295	318
Fayette	638	631	641	639	640	622	634	626	608	616	659
Floyd	458	450	456	460	447	446	442	440	441	448	466
Franklin	334	326	312	318	321	304	313	317	328	330	348
Fremont	197	191	201	196	192	189	185	177	179	196	199
Greene	306	293	291	278	286	287	287	290	294	303	322
Grundy	325	327	329	339	318	314	307	313	323	321	349
Guthrie	277	279	283	272	262	251	236	234	257	262	272
Hamilton	440	451	440	438	423	422	428	445	441	449	472
Hancock	351	344	346	356	351	344	335	319	331	342	356
Hardin	660	658	635	640	644	652	651	656	630	647	670
Harrison	336	344	334	349	344	327	335	338	325	324	332
Henry	518	496	517	496	476	484	482	473	470	436	464
Howard	284	276	274	266	262	252	246	241	248	263	271
Humboldt	313	311	323	317	315	311	318	314	311	318	328
Ida	266	268	259	255	234	232	246	242	240	242	242
Iowa	499	501	483	458	445	416	407	407	405	422	445
Jackson	550	551	532	526	497	470	489	485	501	511	511
Jasper	820	815	806	804	768	758	752	747	754	781	777



Table 1. Number of Business Establishments In Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	646	659	638	614	575	547	525	515	535	525	482
Johnson	2413	2342	2298	2221	2120	2076	2004	1997	1984	1945	1953
Jones	466	466	446	446	441	429	431	443	441	472	497
Keokuk	277	267	267	279	285	278	280	277	284	289	297
Kossuth	550	551	534	541	532	513	531	526	526	542	582
Lee	1052	1048	1054	1039	1036	1014	1003	1022	1032	1052	1068
Linn	5081	5028	4862	4737	4545	4482	4437	4411	4348	4343	4318
Louisa	229	227	233	225	222	223	225	224	226	216	231
Lucas	196	188	184	192	187	188	203	192	189	189	202
Lyon	340	332	329	333	326	309	288	283	288	282	294
Madison	335	317	309	300	290	290	273	286	276	274	274
Mahaska	560	571	569	569	558	543	553	551	558	545	572
Marion	732	738	710	700	694	677	669	653	641	655	677
Marshall	917	950	932	942	924	912	931	946	951	960	988
Mills	245	247	241	229	225	230	225	223	218	223	238
Mitchell	350	340	335	321	336	322	320	326	314	312	308
Monona	284	283	285	281	277	287	289	285	291	291	296
Monroe	201	191	195	192	182	182	190	180	179	179	190
Montgomery	339	347	348	345	337	329	330	322	321	341	368
Muscatine	993	962	987	999	970	959	952	945	976	993	992
O'Brien	532	533	543	534	527	514	501	519	510	524	530
Osceola	212	203	205	209	204	204	197	199	199	196	207
Page	525	529	533	511	543	515	524	496	504	521	550
Palo Alto	337	337	339	337	316	309	308	315	308	316	317
Plymouth	617	630	635	628	604	622	607	617	633	617	595
Pocahontas	288	288	297	275	290	294	292	299	309	359	365
Polk	11008	10873	10687	10569	10302	10068	9841	9638	9583	9403	9343
Pottawattamie	1810	1875	1838	1843	1789	1782	1758	1758	1776	1753	1708
Poweshiek	557	575	562	557	526	523	518	528	524	542	506
Ringgold	128	121	123	131	135	140	132	128	124	127	133
Sac	369	376	387	384	376	378	362	362	382	382	400
Scott	4369	4298	4237	4198	4106	4025	3954	3943	3903	3793	3854
Shelby	416	415	419	403	397	401	384	388	381	389	387
Sioux	1057	1035	996	961	926	878	858	801	791	790	809
Story	1842	1819	1748	1735	1717	1669	1596	1602	1548	1575	1588
Tama	393	392	390	393	366	370	371	381	365	394	414
Taylor	183	181	169	179	172	178	182	181	179	165	183
Union	350	351	349	342	344	347	355	342	337	342	363
Van Buren	187	179	182	175	174	167	174	169	165	166	182
Wapello	879	862	855	850	830	825	819	804	797	802	851
Warren	690	671	652	640	623	625	591	582	574	570	562
Washington	644	631	608	613	581	578	567	581	557	563	593
Wayne	195	186	186	193	192	195	179	168	167	167	172
Webster	1217	1215	1176	1177	1162	1156	1137	1147	1149	1180	1223
Winnebago	337	333	328	329	324	325	339	327	319	328	337
Winneshiek	579	584	592	572	566	558	542	545	542	537	559
Woodbury	2842	2786	2811	2751	2721	2681	2655	2646	2655	2666	2706
Worth	192	184	185	185	177	170	170	180	176	175	190
Wright	443	430	437	439	431	426	427	436	433	442	465
County Unknown	13	9	10	11	11	31	46	24	26	23	32
State of Iowa	78464	77764	76957	75971	74320	73130	72232	71782	71535	71823	73208

Table 2. Number of Employees of Business Establishments in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	1922	1936	1763	1771	1679	1816	1825	1862	1717	1593	1590
Adams	1082	1037	1000	1016	781	771	1022	1016	1309	1241	1325
Allamakee	4246	3792	4083	4083	3632	3503	3632	3371	3393	3281	2980
Appanoose	3344	3330	3260	3185	3118	2998	2895	2908	2702	2599	2518
Audubon	1503	1536	1553	1506	1337	1294	1168	1087	1123	1106	1223
Benton	4149	4043	3672	3531	3495	3493	3351	3323	3059	3109	2984
Black Hawk	54088	51073	50841	49937	48613	47126	45088	42766	40117	39187	41371
Boone	6576	6515	6475	5933	6063	6430	5943	4680	4572	4529	4777
Bremer	7142	7274	7631	7015	7766	7538	7946	6767	5882	6031	5891
Buchanan	4499	4369	4331	4044	3729	3718	3693	3266	3028	2772	2978
Buena Vista	7860	7703	7508	7180	6915	6748	6513	6394	6392	6229	6267
Butler	2442	2310	2352	2200	2019	1995	1942	1903	1936	1704	1887
Calhoun	2496	2476	2440	2340	2398	2278	2122	2042	2026	1899	1938
Carroll	8744	8520	8903	8465	8058	7552	7132	7000	6564	6667	6074
Cass	5398	5168	5019	4967	4784	4850	4925	4782	4553	4161	4188
Cedar	3897	3862	3625	3249	3135	3209	3170	2940	2711	2575	2661
Cerro Gordo	20169	19094	18870	18227	19582	19165	18923	17725	16848	16519	16838
Cherokee	4307	4413	4371	4522	4392	4128	3878	3430	3689	3654	3675
Chickasaw	4073	3926	3866	3837	3699	3715	3369	3286	3066	2962	3149
Clarke	2407	2400	2318	2764	2677	2536	2757	2188	2197	1881	1918
Clay	7051	6846	6681	6674	6291	6142	6134	5728	5207	5262	5467
Clayton	4586	4478	4268	4168	4193	4330	4275	4002	3829	3324	3357
Clinton	18357	17939	17885	18346	17304	16831	16596	15864	15003	14472	15301
Crawford	5226	5122	5065	4953	4626	4775	4589	4951	4909	4774	5033
Dallas	7620	7535	7325	6931	6149	5317	4902	5156	4887	4686	5017
Davis	1604	1452	1460	1265	1170	1189	1222	1147	1059	1012	1014
Decatur	2347	2385	2189	2152	1968	2135	1995	1897	2122	2557	2263
Delaware	3708	3652	3619	3331	3162	3144	2857	2797	2465	2659	2525
Des Moines	20376	19506	19351	18851	19051	19101	19095	18214	17327	16420	16035
Dickinson	7068	6317	6590	5543	5568	5164	5098	4340	4282	3970	3802
Dubuque	47808	45570	45017	42939	42821	42195	40917	40225	36620	37126	36159
Emmet	2791	2923	2992	2969	2842	2759	2620	2603	2675	2502	2765
Fayette	6798	6627	6111	5628	5503	5262	5246	4870	4365	4402	4532
Floyd	4491	4401	4896	5045	4959	4815	4878	4504	4213	4002	3811
Franklin	2614	2440	2436	2293	2400	2503	2317	2339	2278	2337	2646
Fremont	1336	1319	1329	1276	1386	1483	1184	1183	1239	1175	1178
Greene	2311	2257	2249	2093	1922	2034	2153	2137	2075	1889	2044
Grundy	2515	2414	2442	2256	2093	2153	2052	2076	1937	2003	2147
Guthrie	1883	1912	1746	1631	1718	1637	1671	1650	1609	1551	1464
Hamilton	6125	5968	6007	5730	5966	5911	6308	5694	5352	4840	4771
Hancock	3870	3730	3440	3207	2921	2887	2864	2838	2609	2680	2721
Hardin	6813	6248	5916	5629	5467	5318	5148	5077	5332	5157	4992
Harrison	2627	2536	2516	2398	2437	2279	2318	2169	2124	1927	1995
Henry	10343	8481	9187	8706	9663	9045	8456	7160	6707	6065	5914
Howard	2898	2664	2438	2309	1827	1771	1751	1736	1842	1730	1652
Humboldt	2967	2920	2744	2547	2513	2430	2574	2407	2225	2321	2376
Ida	2999	2818	2767	2671	2350	2545	2490	2443	2120	1970	1948
Iowa	9170	8117	8126	7549	6679	6252	6739	5972	6178	5441	5822
Jackson	5022	4887	4637	4324	4204	4143	3655	3554	3365	3277	3244
Jasper	11647	11391	9614	9535	10011	10064	9861	10645	9969	9521	9754

Table 2. Number of Employees of Business Establishments in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	7821	7315	7343	6577	6694	6908	6236	5797	5162	5399	4647
Johnson	42798	40281	39905	38519	37155	37436	34883	25941	24398	23602	22439
Jones	3938	3662	3736	3399	3455	3446	3262	3245	3123	3281	3506
Keokuk	1953	1748	1872	1787	1715	1677	1776	1587	1766	1636	1458
Kossuth	5006	4771	4484	4559	4703	4755	4634	4581	4481	4268	4592
Lee	15949	15334	14754	14595	14734	14580	13398	12820	12482	12994	13302
Linn	98757	94660	93329	91908	86020	87000	84017	78591	76662	73309	71172
Louisa	3109	2903	3089	2898	2839	2643	2720	2654	1974	1245	1249
Lucas	2409	2668	2716	2596	2239	2566	2617	2433	2416	2215	2407
Lyon	2133	2168	2249	2115	2062	1854	1703	1650	1598	1492	1544
Madison	2381	2333	2158	1953	1961	1955	1827	1831	1746	1666	1643
Mahaska	6047	5764	5826	5444	5430	5677	5358	5274	4958	4746	4403
Marion	14533	13647	12370	11857	11871	12100	11634	9914	9429	9039	8886
Marshall	15156	14642	13720	13814	14146	13886	13466	12978	12731	13039	13198
Mills	3053	2969	3040	2943	3259	3225	3006	1719	1686	1618	1964
Mitchell	2963	2794	2640	2497	2399	2390	2290	2153	2162	2071	1920
Monona	2871	2696	2679	2207	2282	2312	2119	1905	1920	1854	1932
Monroe	2371	2122	2062	1968	1412	1446	1247	1244	1333	1192	1231
Montgomery	4087	4048	4139	3907	3896	4037	3998	3656	3524	3385	3698
Muscatine	18183	17730	18539	17860	17276	17740	16869	16538	15925	16330	15633
O'Brien	4975	5122	5204	4766	5008	4728	4614	4529	4082	3816	3908
Osceola	1680	1637	1664	1667	1547	1512	1566	1385	1273	1221	1242
Page	6581	6374	5996	5609	5364	5890	5485	5079	5163	4954	5243
Palo Alto	2637	2586	2438	2199	2102	2010	2088	1923	1898	1803	1911
Plymouth	7487	7222	7259	6957	6927	6082	6006	5624	5716	5270	5127
Pocahontas	2636	2548	2475	2448	2298	2226	2206	2143	2013	2385	2256
Polk	221914	212091	207302	202542	199303	195268	191434	184627	171945	166886	162538
Pottawattamie	23776	23606	22756	23049	22266	22089	21277	21601	20629	18303	17783
Poweshiek	8736	8387	8202	8030	7865	7886	7857	6913	6339	5916	5772
Ringgold	952	926	947	864	801	808	718	759	719	735	771
Sac	2546	2599	2701	2598	2510	2326	2366	2104	2098	1979	2092
Scott	70022	67018	65099	63789	64323	62261	60918	58830	57854	56496	56350
Shelby	4040	3922	4035	3546	3442	3592	3507	3261	3216	3200	2992
Sioux	13307	12898	12511	12259	12145	11855	10736	9810	8762	8623	8662
Story	26099	24283	23475	22802	24208	22857	22186	18541	18386	18691	17617
Tama	4650	4080	3940	3189	3291	3357	3365	3054	2979	2965	3059
Taylor	1341	1341	1297	1271	1436	1783	1479	1475	1111	941	1001
Union	4101	3917	3997	3942	3737	3883	3728	3670	3406	3007	3030
Van Buren	1383	1354	1330	1095	1070	1056	969	1024	990	962	1027
Wapello	12692	12203	11868	11418	11580	11493	11056	9866	9451	9570	10033
Warren	6030	5984	5911	5657	5514	5334	5138	4828	4737	4461	4481
Washington	5635	5617	5812	5313	4708	4467	4323	4212	4082	4068	4422
Wayne	1678	1662	1491	1432	1402	1368	1219	1189	1140	1224	1240
Webster	15729	14975	15194	15099	14895	14822	14212	13536	13093	12857	13882
Winnebago	7147	6585	6325	6139	5225	4753	6810	6267	5504	5583	6037
Winneshiek	8106	8126	7808	7046	7315	7450	6814	6571	5652	5799	5758
Woodbury	45325	42959	43313	41415	40722	42564	40259	36854	34692	36160	35543
Worth	1391	1376	1369	1426	1496	1395	1277	1222	1085	965	1024
Wright	4771	4265	4467	4399	3923	3863	4114	3994	3895	3786	3398
County Unknown	202	224	236	237	238	812	538	526	494	489	482
State of Iowa	1138402	1089774	1071996	1038327	1019245	1007900	978584	920042	874688	852247	847486

Table 3. Average Number of Employees Per Business Establishment in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	9.0	9.4	8.2	8.3	7.6	8.4	8.1	8.2	7.6	7.0	6.5
Adams	8.6	8.1	8.3	8.5	7.1	6.2	8.7	8.3	11.1	10.1	10.6
Allamakee	10.4	9.6	10.1	10.2	8.8	8.8	9.1	8.5	8.7	8.3	7.6
Appanoose	10.2	10.0	9.7	9.6	9.5	9.1	8.9	9.1	8.9	8.4	7.9
Audubon	6.9	7.1	7.4	7.1	6.6	6.5	5.7	5.5	5.8	5.4	5.5
Benton	7.2	7.2	6.7	6.6	6.5	6.4	6.3	6.3	5.7	5.8	5.3
Black Hawk	17.3	16.2	16.1	16.1	16.2	15.7	15.2	14.5	13.6	13.1	13.4
Boone	12.3	11.8	11.9	11.5	11.9	12.7	11.8	9.0	8.6	8.3	8.6
Bremer	11.3	11.8	12.4	11.4	12.7	12.9	14.1	11.9	10.4	10.4	10.1
Buchanan	8.9	8.8	9.0	8.2	7.8	8.0	8.0	7.3	7.0	6.4	6.3
Buena Vista	12.7	12.4	12.0	11.5	11.3	11.2	10.7	10.2	10.3	10.1	9.9
Butler	6.5	6.3	6.5	5.9	5.4	5.4	5.4	5.1	5.3	4.7	4.7
Calhoun	7.4	7.5	7.2	7.1	7.4	7.2	6.4	6.2	6.0	5.8	5.6
Carroll	10.5	10.4	11.1	10.9	10.9	10.1	9.7	9.7	9.0	9.1	8.2
Cass	10.8	10.1	9.8	10.0	9.3	10.0	10.2	9.8	9.3	8.3	7.8
Cedar	8.5	8.5	7.8	7.4	7.2	7.2	7.3	6.7	6.2	5.7	5.9
Cerro Gordo	13.6	13.1	13.1	12.6	13.8	13.7	13.4	12.6	11.7	11.3	11.5
Cherokee	11.5	12.3	11.6	12.0	11.4	10.8	10.4	9.0	9.5	9.2	9.2
Chickasaw	10.4	10.0	9.8	9.8	9.8	10.1	9.1	8.8	8.6	8.3	8.4
Clarke	11.5	11.9	10.8	13.3	12.6	12.9	13.3	10.4	10.6	9.5	9.1
Clay	11.4	10.9	10.8	11.0	10.7	10.4	10.1	9.6	8.6	8.8	8.8
Clayton	8.6	8.2	8.0	8.0	8.1	8.2	8.4	7.9	7.6	6.7	6.4
Clinton	14.5	14.0	14.2	14.4	13.9	13.9	13.7	13.3	12.6	12.0	12.3
Crawford	10.9	10.8	10.4	10.0	9.6	9.9	9.6	10.4	10.8	10.0	10.2
Dallas	10.1	10.4	10.2	10.2	9.5	8.7	8.2	8.7	8.3	7.6	8.1
Davis	9.1	8.6	8.2	7.2	6.8	6.8	7.4	6.4	6.1	5.8	5.5
Decatur	13.9	14.0	12.3	12.3	11.9	12.6	11.5	10.8	13.0	15.6	12.7
Delaware	8.6	8.6	8.7	7.9	7.5	7.6	7.0	7.0	6.2	6.5	6.1
Des Moines	16.6	15.8	15.6	15.5	15.7	16.1	16.4	15.4	14.6	13.8	13.3
Dickinson	10.3	9.6	10.2	8.6	9.1	8.5	8.5	7.7	7.8	7.2	6.9
Dubuque	18.6	18.2	18.0	17.6	17.5	17.9	18.0	17.8	16.5	16.6	15.9
Emmet	9.2	9.4	9.5	9.9	10.2	9.7	9.3	9.3	9.3	8.5	8.7
Fayette	10.7	10.5	9.5	8.8	8.6	8.5	8.3	7.8	7.2	7.1	6.9
Floyd	9.8	9.8	10.7	11.0	11.1	10.8	11.0	10.2	9.6	8.9	8.2
Franklin	7.8	7.5	7.8	7.2	7.5	8.2	7.4	7.4	6.9	7.1	7.6
Fremont	6.8	6.9	6.6	6.5	7.2	7.8	6.4	6.7	6.9	6.0	5.9
Greene	7.6	7.7	7.7	7.5	6.7	7.1	7.5	7.4	7.1	6.2	6.3
Grundy	7.7	7.4	7.4	6.7	6.6	6.9	6.7	6.6	6.0	6.2	6.2
Guthrie	6.8	6.9	6.2	6.0	6.6	6.5	7.1	7.1	6.3	5.9	5.4
Hamilton	13.9	13.2	13.7	13.1	14.1	14.0	14.7	12.8	12.1	10.8	10.1
Hancock	11.0	10.8	9.9	9.0	8.3	8.4	8.5	8.9	7.9	7.8	7.6
Hardin	10.3	9.5	9.3	8.8	8.5	8.2	7.9	7.7	8.5	8.0	7.5
Harrison	7.8	7.4	7.5	6.9	7.1	7.0	6.9	6.4	6.5	5.9	6.0
Henry	20.0	17.1	17.8	17.6	20.3	18.7	17.5	15.1	14.3	13.9	12.7
Howard	10.2	9.7	8.9	8.7	7.0	7.0	7.1	7.2	7.4	6.6	6.1
Humboldt	9.5	9.4	8.5	8.0	8.0	7.8	8.1	7.7	7.2	7.3	7.2
Ida	11.3	10.5	10.7	10.5	10.0	11.0	10.1	10.1	8.8	8.1	8.0
Iowa	18.4	16.2	16.8	16.5	15.0	15.0	16.6	14.7	15.3	12.9	13.1
Jackson	9.1	8.9	8.7	8.2	8.5	8.8	7.5	7.3	6.7	6.4	6.3
Jasper	14.2	14.0	11.9	11.9	13.0	13.3	13.1	14.3	13.2	12.2	12.6

Table 3. Average Number of Employees Per Business Establishment in Iowa Counties, 1985-1995 (cont.).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	12.1	11.1	11.5	10.7	11.6	12.6	11.9	11.3	9.6	10.3	9.6
Johnson	17.7	17.2	17.4	17.3	17.5	18.0	17.4	13.0	12.3	12.1	11.5
Jones	8.5	7.9	8.4	7.6	7.8	8.0	7.6	7.3	7.1	7.0	7.1
Keokuk	7.1	6.5	7.0	6.4	6.0	6.0	6.3	5.7	6.2	5.7	4.9
Kossuth	9.1	8.7	8.4	8.4	8.8	9.3	8.7	8.7	8.5	7.9	7.9
Lee	15.2	14.6	14.0	14.0	14.2	14.4	13.4	12.5	12.1	12.4	12.5
Linn	19.4	18.8	19.2	19.4	18.9	19.4	18.9	17.8	17.6	16.9	16.5
Louisa	13.6	12.8	13.3	12.9	12.8	11.9	12.1	11.8	8.7	5.8	5.4
Lucas	12.3	14.2	14.8	13.5	12.0	13.6	12.9	12.7	12.8	11.7	11.9
Lyon	6.3	6.5	6.8	6.4	6.3	6.0	5.9	5.8	5.5	5.3	5.3
Madison	7.1	7.4	7.0	6.5	6.8	6.7	6.7	6.4	6.3	6.1	6.0
Mahaska	10.8	10.1	10.2	9.6	9.7	10.5	9.7	9.6	8.9	8.7	7.7
Marion	19.9	18.5	17.4	16.9	17.1	17.9	17.4	15.2	14.7	13.8	13.1
Marshall	16.5	15.4	14.7	14.7	15.3	15.2	14.5	13.7	13.4	13.6	13.4
Mills	12.5	12.0	12.6	12.9	14.5	14.0	13.4	7.7	7.7	7.3	8.3
Mitchell	8.5	8.2	7.9	7.8	7.1	7.4	7.2	6.6	6.9	6.6	6.2
Monona	10.1	9.5	9.4	7.9	8.2	8.1	7.3	6.7	6.6	6.4	6.5
Monroe	11.8	11.1	10.6	10.3	7.8	7.9	6.6	6.9	7.4	6.7	6.5
Montgomery	12.1	11.7	11.9	11.3	11.6	12.3	12.1	11.4	11.0	9.9	10.0
Muscatine	18.3	18.4	18.8	17.9	17.8	18.5	17.7	17.5	16.3	16.4	15.8
O'Brien	9.4	9.6	9.6	8.9	9.5	9.2	9.2	8.7	8.0	7.3	7.4
Osceola	7.9	8.1	8.1	8.0	7.6	7.4	7.9	7.0	6.4	6.2	6.0
Page	12.5	12.0	11.2	11.0	9.9	11.4	10.5	10.2	10.2	9.5	9.5
Palo Alto	7.8	7.7	7.2	6.5	6.7	6.5	6.8	6.1	6.2	5.7	6.0
Plymouth	12.1	11.5	11.4	11.1	11.5	9.8	9.9	9.1	9.0	8.5	8.6
Pocahontas	9.2	8.8	8.3	8.9	7.9	7.6	7.6	7.2	6.5	6.6	6.2
Polk	20.2	19.5	19.4	19.2	19.3	19.4	19.5	19.2	17.9	17.7	17.4
Pottawattamie	13.1	12.6	12.4	12.5	12.4	12.4	12.1	12.3	11.6	10.4	10.4
Poweshiek	15.7	14.6	14.6	14.4	15.0	15.1	15.2	13.1	12.1	10.9	11.4
Ringgold	7.4	7.7	7.7	6.6	5.9	5.8	5.4	5.9	5.8	5.8	5.8
Sac	6.9	6.9	7.0	6.8	6.7	6.2	6.5	5.8	5.5	5.2	5.2
Scott	16.0	15.6	15.4	15.2	15.7	15.5	15.4	14.9	14.8	14.9	14.6
Shelby	9.7	9.5	9.6	8.8	8.7	9.0	9.1	8.4	8.4	8.2	7.7
Sioux	12.6	12.5	12.6	12.8	13.1	13.5	12.5	12.2	11.1	10.9	10.7
Story	14.2	13.3	13.4	13.1	14.1	13.7	13.9	11.6	11.9	11.9	11.1
Tama	11.8	10.4	10.1	8.1	9.0	9.1	9.1	8.0	8.2	7.5	7.4
Taylor	7.3	7.4	7.7	7.1	8.3	10.0	8.1	8.1	6.2	5.7	5.5
Union	11.7	11.2	11.5	11.5	10.9	11.2	10.5	10.7	10.1	8.8	8.3
Van Buren	7.4	7.6	7.3	6.3	6.1	6.3	5.6	6.1	6.0	5.8	5.6
Wapello	14.4	14.2	13.9	13.4	14.0	13.9	13.5	12.3	11.9	11.9	11.8
Warren	8.7	8.9	9.1	8.8	8.9	8.5	8.7	8.3	8.3	7.8	8.0
Washington	8.8	8.9	9.6	8.7	8.1	7.7	7.6	7.2	7.3	7.2	7.5
Wayne	8.6	8.9	8.0	7.4	7.3	7.0	6.8	7.1	6.8	7.3	7.2
Webster	12.9	12.3	12.9	12.8	12.8	12.8	12.5	11.8	11.4	10.9	11.4
Winnebago	21.2	19.8	19.3	18.7	16.1	14.6	20.1	19.2	17.3	17.0	17.9
Winneshiak	14.0	13.9	13.2	12.3	12.9	13.4	12.6	12.1	10.4	10.8	10.3
Woodbury	15.9	15.4	15.4	15.1	15.0	15.9	15.2	13.9	13.1	13.6	13.1
Worth	7.2	7.5	7.4	7.7	8.5	8.2	7.5	6.8	6.2	5.5	5.4
Wright	10.8	9.9	10.2	10.0	9.1	9.1	9.6	9.2	9.0	8.6	7.3
County Unknown	15.5	24.9	23.6	21.5	21.6	26.2	11.7	21.9	19.0	21.3	15.1
State of Iowa	14.5	14.0	13.9	13.7	13.7	13.8	13.5	12.8	12.2	11.9	11.6

Table 4. Annual Payroll (in \$1,000s) for Business Establishments in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	37612	34819	32139	29074	25938	27162	26036	26686	23304	20866	18918
Adams	16769	15934	14091	13805	8861	8118	13744	13407	16692	16039	15616
Allamakee	64722	56845	57849	53450	49113	47579	46218	39848	39402	39272	34648
Appanoose	58191	58551	56042	53704	50572	47089	42965	41869	38271	36798	34504
Audubon	22167	22283	21649	19649	16236	15360	13824	12875	11815	10869	11281
Benton	74291	68839	57502	53805	53989	51418	47340	46551	42351	38742	36788
Black Hawk	1302811	1179507	1133480	1077229	1014286	994812	931286	867362	752675	668031	727039
Boone	131623	126661	121916	112140	100722	99498	99321	68421	62450	68239	62651
Bremer	145149	140926	146059	135594	142157	130897	139673	112161	97510	93285	91621
Buchanan	86260	83211	78313	72369	62487	59029	57275	44834	39315	35090	34082
Buena Vista	139875	130207	123373	111783	105588	100198	94194	93041	84419	78776	74412
Butler	39400	35862	32669	30802	26105	27250	25607	23465	21658	18279	19429
Calhoun	38587	36340	35785	33866	32012	30141	28370	25896	24724	23807	22373
Carroll	153038	143895	150460	143540	123639	116062	102792	99249	97095	93166	85146
Cass	94386	86485	81029	70785	65676	70463	69545	68146	60739	54224	52208
Cedar	62868	57361	50799	47771	44312	42948	40268	37644	34078	28322	29770
Cerro Gordo	411455	365690	352015	346095	336236	321552	301522	270657	250277	233740	231054
Cherokee	83035	80030	77032	75518	69197	65447	62451	51289	58288	49175	50292
Chickasaw	76114	74294	66846	63028	58623	57228	52645	49511	45439	43884	44095
Clarke	40805	38152	37167	40322	38348	39317	37227	33431	31265	27083	24015
Clay	134770	125786	118843	108950	99896	97674	89504	83257	73711	68394	68533
Clayton	82148	76544	69059	67522	62286	63163	58724	56107	49533	41957	38374
Clinton	366509	355321	340005	334296	315286	304221	289800	269095	233156	217812	235620
Crawford	98754	91047	85633	79119	71504	70015	74773	75211	76026	72868	72622
Dallas	157549	146553	128885	121895	100126	85518	71459	80048	73972	65791	65306
Davis	25405	25302	22753	18124	16711	16850	15800	15400	13261	12382	12289
Decatur	27847	28310	24899	23571	20956	20204	19646	18361	18983	23864	19083
Delaware	70148	68311	63047	54239	51818	51023	46346	44466	36869	35814	33058
Des Moines	458123	443798	413350	393819	383674	369599	350848	331216	314558	288081	271525
Dickinson	140503	115045	116143	97279	86879	82778	78960	62793	58748	49489	50902
Dubuque	1064466	1009862	946592	884106	833673	792484	742273	725479	672956	611739	625528
Emmet	49153	52108	51053	47754	40786	38943	36629	34058	32664	30734	30105
Fayette	107958	105386	94210	88845	81788	78504	74773	67784	57493	55509	56315
Floyd	81074	80560	97361	84791	75053	70384	72571	68176	59351	56137	50703
Franklin	53345	46739	41495	37311	36733	39041	37090	34868	33859	34962	35297
Fremont	22590	21446	20424	19834	18214	19256	16381	13962	13821	13655	13792
Greene	41695	39988	37008	32123	27949	28401	27553	27591	26249	23782	24001
Grundy	51072	50177	41278	40161	34927	32346	28308	28702	26514	26093	25993
Guthrie	26232	23951	23256	19777	23096	20562	19313	18921	17537	15208	14772
Hamilton	118340	115541	104530	98440	104227	97097	94489	87423	79960	77261	61611
Hancock	64606	61880	54471	54242	47276	43770	44950	43395	36525	35693	35299
Hardin	126293	113951	100379	93834	83045	77989	71781	69444	72328	72020	69187
Harrison	40043	37334	33879	32734	31488	28455	27241	27203	24947	23285	21993
Henry	192430	164464	157839	148590	157133	140467	129549	116217	107028	90537	78681
Howard	50238	43958	36915	32057	25900	24582	22715	23545	21662	21690	20576
Humboldt	57531	51712	46342	40472	39836	36958	37033	34576	31470	29303	28742
Ida	60540	57517	52533	48163	41617	41254	38662	38972	33458	30397	27992
Iowa	207865	181839	168091	157809	127555	110197	108689	104635	90786	81153	81919
Jackson	75211	71131	63967	57822	52011	49782	42285	40517	39504	35068	34184
Jasper	301711	295342	216434	215960	239843	202517	195889	202970	192935	169005	172220

Table 4. Annual Payroll (in \$1,000s) for Business Establishments in Iowa Counties, 1985-1995 (cont.).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	169170	153565	136517	126405	116595	114175	103515	93185	77075	72653	63863
Johnson	843469	788335	727698	716361	614270	588235	564413	385299	360928	342595	309862
Jones	63861	63312	60329	54455	52480	50049	45380	43772	42071	40459	40094
Keokuk	32703	28298	27724	26140	26254	24367	23619	21866	22232	19959	17345
Kossuth	88369	78196	70633	70549	72222	72114	78329	66638	61939	57410	60527
Lee	354302	335393	310258	295026	285398	270771	255235	240114	219692	227999	226607
Linn	2558150	2356792	2258207	2155569	1955569	1942939	1835284	1669391	1511187	1410199	1325977
Louisa	58413	53744	49123	47757	42899	40848	38241	38442	27393	17716	13688
Lucas	46263	59100	52034	49377	53086	47043	43906	42049	43305	40048	35041
Lyon	32826	32084	31545	29135	27892	24863	22336	21133	18645	17419	17148
Madison	38893	36279	31713	27459	24779	24411	22284	21675	20051	19183	17254
Mahaska	103580	100661	94003	90453	81046	78456	72868	70221	63374	61031	55093
Marion	318060	297908	282487	269689	239340	233695	212493	186520	172293	148628	144951
Marshall	356777	340781	308183	309324	322512	290645	268722	254205	239401	239424	234490
Mills	58940	56900	55476	57712	50540	47492	49576	19693	19123	17943	22981
Mitchell	52111	48187	42726	37377	33757	33289	29271	28411	25835	24161	22360
Monona	43217	40761	37475	32004	31514	28757	26416	23518	22435	20822	20833
Monroe	46449	42179	36272	31535	20555	16646	14819	15469	16040	14525	14846
Montgomery	77787	76233	69813	65743	63427	61579	58860	52529	50523	46845	47456
Muscatine	488075	473678	471408	446009	396481	394184	368785	352316	327587	317417	299711
O'Brien	80607	76987	71686	65561	67190	61576	56499	53840	47527	43527	41668
Osceola	29286	27181	26666	27523	23887	23478	20722	19313	17321	15088	14537
Page	127440	123283	106684	90989	84106	84964	81194	73325	74808	68149	65559
Palo Alto	39824	36861	34132	31357	26735	25275	24063	22473	21099	19527	19720
Plymouth	160587	152023	137119	126517	114597	107987	100102	89934	84510	76831	68593
Pocahontas	45241	43589	39583	37961	33351	32874	32896	28329	27585	25829	26136
Polk	5883508	5283690	5026489	4701569	4334406	4265583	3897767	3673450	3335786	3089390	2893922
Pottawattamie	454458	439469	403321	393227	359003	349807	325738	317765	305655	266205	249345
Poweshiek	184018	173876	160501	156167	143352	148965	134570	129865	112442	101764	93151
Ringgold	13344	12774	13726	10900	10354	9514	9120	8789	7603	7371	7080
Sac	37272	37184	36529	31704	31427	28167	25872	24488	22016	21022	21278
Scott	1705670	1580988	1476394	1403321	1367634	1298962	1214937	1175716	1113791	1060495	1032208
Shelby	64338	59439	57371	52314	49119	46297	42397	41738	38264	37170	34619
Sioux	228562	215389	199953	185008	160390	149378	137562	122377	108767	101789	101495
Story	447436	411587	381480	360073	340207	338109	328564	257841	232284	216567	213503
Tama	80078	74154	60697	47865	45314	51257	47775	48920	39732	38909	38143
Taylor	19468	17608	16436	16175	17876	20741	17196	16387	11142	9035	9798
Union	70101	65691	61735	59790	54028	52829	49583	48867	43494	40108	37677
Van Buren	24670	23297	20937	17849	14803	15078	14054	12293	12465	10960	11104
Wapello	260819	255435	239926	225576	221039	217403	207601	176583	161703	146865	169386
Warren	94154	90975	87581	79809	73207	67947	62183	59272	55677	50401	46540
Washington	98398	98075	98734	84889	70049	66089	61113	59505	55353	51878	53947
Wayne	25540	24025	22155	20086	18394	17941	17063	15797	12933	13662	14501
Webster	322545	307457	288603	297453	266266	250091	228351	211240	190798	178803	182838
Winnebago	143643	140253	126509	111727	95926	97568	102951	103548	86818	80841	76704
Winneshiek	143485	136894	119473	109686	103536	96568	87644	82468	76353	70367	66916
Woodbury	949310	909769	850085	809379	755076	732688	692475	624599	557121	564218	543905
Worth	23120	22349	21417	19877	19223	20997	17718	15537	13870	12220	11745
Wright	94027	88927	77124	74145	65039	66873	68411	64239	57865	54992	43765
County Unknown	4565	4773	4732	4811	4312	16684	11129	12714	10069	9523	9517
State of Iowa	25120236		21918291		19235845		17447939		14727611		13265591
		23333183		20709355		18631850		16108393		13727312	

Table 5. Adjusted Annual Payroll (in 1995 \$1,000s) for Business Establishments in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	37612	35806	33886	31519	28935	31522	31804	34169	31033	28783	26497
Adams	16769	16386	14857	14966	9885	9421	16789	17167	22228	22124	21872
Allamakee	64722	58457	60994	57944	54787	55216	56456	51022	52469	54172	48529
Appanoose	58191	60211	59088	58220	56415	54647	52483	53610	50963	50759	48327
Audubon	22167	22915	22826	21301	18112	17825	16886	16485	15733	14993	15800
Benton	74291	70791	60628	58329	60226	59671	57827	59605	56396	53441	51526
Black Hawk	1302811	1212951	1195097	1167805	1131465	1154489	1137587	1110592	1002293	921486	1018311
Boone	131623	130252	128543	121569	112358	115468	121323	87608	83161	94129	87751
Bremer	145149	144922	153999	146995	158580	151907	170614	143614	129848	128678	128327
Buchanan	86260	85570	82570	78454	69706	68504	69963	57407	52353	48403	47736
Buena Vista	139875	133899	130080	121182	117786	116281	115060	119132	112416	108664	104224
Butler	39400	36879	34445	33392	29121	31624	31280	30045	28841	25214	27213
Calhoun	38587	37370	37730	36714	35710	34979	34655	33158	32924	32840	31336
Carroll	153038	147975	158639	155609	137923	134691	125563	127081	129296	128514	119258
Cass	94386	88937	85434	76737	73263	81773	84951	87256	80883	74797	73124
Cedar	62868	58987	53560	51788	49431	49842	49188	48200	45380	39068	41697
Cerro Gordo	411455	376059	371151	375196	375081	373164	368316	346556	333279	322422	323621
Cherokee	83035	82299	81220	81868	77191	75952	76285	65672	77619	67832	70440
Chickasaw	76114	76401	70480	68328	65396	66414	64307	63395	60508	60534	61761
Clarke	40805	39234	39187	43712	42778	45628	45474	42806	41634	37358	33636
Clay	134770	129353	125303	118111	111437	113352	109331	106604	98157	94343	95989
Clayton	82148	78714	72813	73199	69482	73301	71733	71841	65960	57876	53748
Clinton	366509	365396	358488	362404	351711	353051	353997	344556	310480	300451	330016
Crawford	98754	93629	90288	85772	79765	81253	91337	96302	101239	100515	101716
Dallas	157549	150708	135891	132144	111693	99244	87289	102495	98504	90753	91469
Davis	25405	26019	23990	19648	18642	19555	19300	19719	17659	17080	17212
Decatur	27847	29113	26253	25553	23377	23447	23998	23510	25279	32918	26728
Delaware	70148	70248	66474	58800	57804	59213	56613	56935	49096	49402	46302
Des Moines	458123	456381	435820	426932	427999	428923	428569	424097	418879	397381	380306
Dickinson	140503	118307	122457	105458	96916	96065	96451	80402	78231	68265	71295
Dubuque	1064466	1038496	998049	958444	929986	919686	906703	928921	896136	843837	876132
Emmet	49153	53585	53828	51769	45498	45194	44743	43609	43497	42395	42166
Fayette	107958	108374	99331	96315	91237	91105	91337	86792	76560	76569	78876
Floyd	81074	82844	102654	91920	83724	81681	88647	87294	79034	77436	71016
Franklin	53345	48064	43751	40448	40977	45307	45306	44646	45088	48227	49438
Fremont	22590	22054	21534	21502	20318	22347	20010	17877	18405	18836	19317
Greene	41695	41122	39020	34824	31178	32960	33657	35328	34954	32805	33616
Grundy	51072	51600	43522	43538	38962	37538	34579	36751	35307	35993	36407
Guthrie	26232	24630	24520	21440	25764	23862	23591	24227	23353	20978	20690
Hamilton	118340	118817	110212	106717	116268	112682	115420	111939	106478	106574	86294
Hancock	64606	63635	57432	58803	52738	50796	54907	55564	48638	49235	49441
Hardin	126293	117182	105836	101724	92639	90507	87682	88918	96315	99345	96905
Harrison	40043	38393	35721	35486	35126	33022	33275	34831	33220	32119	30804
Henry	192430	169127	166419	161084	175286	163013	158247	148807	142523	124887	110203
Howard	50238	45204	38922	34752	28892	28528	27747	30148	28846	29919	28819
Humboldt	57531	53178	48861	43875	44438	42890	45237	44272	41907	40421	40257
Ida	60540	59148	55389	52213	46425	47876	47227	49901	44554	41930	39206
Iowa	207865	186995	177229	171078	142291	127885	132766	133977	120894	111943	114738
Jackson	75211	73148	67444	62684	58020	57773	51652	51879	52605	48373	47879
Jasper	301711	303716	228199	234118	267552	235023	239283	259888	256920	233127	241216



Table 5. Adjusted Annual Payroll (in 1995 \$1,000s) for Business Establishments in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	169170	157919	143938	137033	130065	132501	126446	119316	102636	100218	89448
Johnson	843469	810688	767256	776595	685236	682653	689443	493346	480627	472578	434001
Jones	63861	65107	63609	59034	58543	58082	55433	56047	56024	55809	56157
Keokuk	32703	29100	29231	28338	29287	28278	28851	27998	29605	27532	24294
Kossuth	88369	80413	74473	76481	80566	83689	95681	85325	82481	79192	84776
Lee	354302	344903	327124	319833	318370	314232	311775	307448	292551	314503	317392
Linn	2558150	2423617	2380965	2336815	2181494	2254800	2241841	2137530	2012360	1945237	1857200
Louisa	58413	55268	51793	51773	47855	47405	46712	49222	36478	24438	19172
Lucas	46263	60776	54863	53529	59219	54594	53632	53841	57667	55242	49079
Lyon	32826	32994	33260	31585	31114	28854	27284	27059	24828	24028	24018
Madison	38893	37308	33437	29768	27642	28329	27220	27753	26701	26461	24166
Mahaska	103580	103515	99113	98059	90409	91049	89010	89913	84391	84187	77165
Marion	318060	306355	297843	292365	266991	271205	259565	238825	229433	205018	203022
Marshall	356777	350444	324936	335333	359771	337296	328250	325490	318796	330263	328433
Mills	58940	58513	58492	62565	56379	55115	60558	25215	25465	24751	32188
Mitchell	52111	49553	45049	40520	37657	38632	35755	36378	34403	33328	31318
Monona	43217	41917	39512	34695	35155	33373	32268	30113	29875	28722	29179
Monroe	46449	43375	38244	34187	22930	19318	18102	19807	21360	20036	20794
Montgomery	77787	78395	73608	71271	70755	71463	71899	67259	67279	64618	66468
Muscatine	488075	487109	497034	483511	442286	457454	450479	451114	436229	437847	419784
O'Brien	80607	79170	75583	71074	74952	71460	69015	68938	63289	60041	58361
Osceola	29286	27952	28116	29837	26647	27246	25312	24729	23065	20812	20361
Page	127440	126779	112483	98640	93823	98602	99180	93887	99617	94005	91824
Palo Alto	39824	37906	35987	33994	29824	29332	29393	28775	28096	26936	27620
Plymouth	160587	156333	144573	137155	127836	125320	122277	115154	112537	105981	96073
Pocahontas	45241	44825	41735	41153	37204	38151	40183	36273	36733	35629	36607
Polk	5883508	5433504	5299732	5096889	4835155	4950251	4761210	4703576	4442072	4261524	4053308
Pottawattamie	454458	451930	425246	426291	400478	405954	397896	406874	407023	367205	349240
Poweshiek	184018	178806	169226	169298	159913	172875	164380	166282	149732	140374	130470
Ringgold	13344	13136	14472	11817	11550	11041	11140	11254	10124	10168	9916
Sac	37272	38238	38515	34370	35058	32688	31603	31355	29317	28998	29803
Scott	1705670	1625815	1556652	1521316	1525635	1507458	1484073	1505416	1483171	1462853	1445739
Shelby	64338	61124	60490	56713	54794	53728	51789	53442	50954	51273	48488
Sioux	228562	221496	210823	200564	178920	173355	168035	156695	144839	140408	142157
Story	447436	423257	402218	390349	379511	392379	401348	330146	309319	298734	299038
Tama	80078	76257	63997	51890	50549	59484	58358	62638	52909	53671	53424
Taylor	19468	18107	17329	17535	19941	24070	21005	20982	14837	12463	13723
Union	70101	67554	65091	64817	60270	61309	60567	62571	57918	55325	52771
Van Buren	24670	23958	22075	19350	16513	17498	17167	15740	16599	15118	15553
Wapello	260819	262678	252969	244543	246575	252298	253589	226101	215330	202587	237247
Warren	94154	93555	92342	86520	81665	78853	75958	75893	74142	69523	65185
Washington	98398	100856	104101	92027	78142	76697	74651	76192	73710	71561	75560
Wayne	25540	24706	23359	21775	20519	20821	20843	20227	17222	18845	20311
Webster	322545	316175	304292	322464	297027	290233	278936	270477	254075	246642	256088
Winnebago	143643	144230	133386	121121	107008	113229	125757	132585	115610	111513	107434
Winneshiek	143485	140776	125968	118909	115497	112068	107059	105594	101675	97065	93724
Woodbury	949310	935565	896296	877434	842309	850292	845874	799752	741886	778286	761809
Worth	23120	22983	22581	21548	21444	24367	21643	19894	18470	16856	16450
Wright	94027	91448	81317	80379	72553	77607	83566	82253	77055	75856	61298
County Unknown	4565	4910	4992	5218	4813	19355	13589	16279	13407	13135	13329
State of Iowa	25120236		23109784		21458141		21313049		19611902		18580157
		23994774		22450652		21622446		20625586		18935541	

Table 6. Average Annual Payroll Per Employee for Business Establishments in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	19569	17985	18230	16417	15448	14957	14266	14332	13573	13099	11898
Adams	15498	15365	14091	13588	11346	10529	13448	13196	12752	12924	11786
Allamakee	15243	14991	14168	13091	13522	13582	12725	11821	11613	11970	11627
Appanoose	17402	17583	17191	16862	16219	15707	14841	14398	14164	14159	13703
Audubon	14749	14507	13940	13047	12144	11870	11836	11845	10521	9827	9224
Benton	17906	17027	15660	15238	15447	14720	14127	14009	13845	12461	12328
Black Hawk	24087	23095	22295	21572	20865	21110	20655	20282	18762	17047	17574
Boone	20016	19441	18829	18901	16613	15474	16712	14620	13659	15067	13115
Bremer	20323	19374	19140	19329	18305	17365	17578	16575	16578	15468	15553
Buchanan	19173	19046	18082	17895	16757	15877	15509	13727	12984	12659	11445
Buena Vista	17796	16903	16432	15569	15269	14849	14462	14551	13207	12647	11874
Butler	16134	15525	13890	14001	12930	13659	13186	12331	11187	10727	10296
Calhoun	15460	14677	14666	14473	13349	13231	13369	12682	12203	12537	11544
Carroll	17502	16889	16900	16957	15344	15368	14413	14178	14792	13974	14018
Cass	17485	16735	16144	14251	13728	14528	14121	14251	13340	13031	12466
Cedar	16132	14853	14014	14703	14135	13384	12703	12804	12570	10999	11188
Cerro Gordo	20400	19152	18655	18988	17171	16778	15934	15270	14855	14150	13722
Cherokee	19279	18135	17623	16700	15755	15854	16104	14953	15800	13458	13685
Chickasaw	18687	18924	17291	16426	15848	15405	15626	15067	14820	14816	14003
Clarke	16953	15897	16034	14588	14325	15504	13503	15279	14231	14398	12521
Clay	19114	18374	17788	16325	15879	15903	14591	14535	14156	12998	12536
Clayton	17913	17093	16181	16200	14855	14587	13737	14020	12936	12622	11431
Clinton	19966	19807	19011	18222	18220	18075	17462	16963	15541	15051	15399
Crawford	18897	17776	16907	15974	15457	14663	16294	15191	15487	15264	14429
Dallas	20676	19450	17595	17587	16283	16084	14578	15525	15136	14040	13017
Davis	15839	17426	15584	14327	14283	14172	12930	13426	12522	12235	12119
Decatur	11865	11870	11375	10953	10648	9463	9848	9679	8946	9333	8433
Delaware	18918	18705	17421	16283	16388	16229	16222	15898	14957	13469	13092
Des Moines	22483	22752	21361	20891	20139	19350	18374	18185	18154	17545	16933
Dickinson	19879	18212	17624	17550	15603	16030	15488	14468	13720	12466	13388
Dubuque	22265	22161	21027	20590	19469	18781	18141	18036	18377	16477	17299
Emmet	17611	17827	17063	16084	14351	14115	13981	13084	12211	12284	10888
Fayette	15881	15903	15416	15786	14862	14919	14253	13919	13171	12610	12426
Floyd	18053	18305	19886	16807	15135	14618	14877	15137	14088	14027	13304
Franklin	20407	19155	17034	16272	15305	15598	16008	14907	14863	14960	13340
Fremont	16909	16259	15368	15544	13141	12984	13835	11802	11155	11621	11708
Greene	18042	17717	16455	15348	14542	13963	12797	12911	12650	12590	11742
Grundy	20307	20786	16903	17802	16688	15024	13795	13826	13688	13027	12107
Guthrie	13931	12527	13320	12126	13444	12561	11558	11467	10899	9805	10090
Hamilton	19321	19360	17401	17180	17470	16426	14979	15354	14940	15963	12914
Hancock	16694	16590	15835	16914	16185	15161	15695	15291	14000	13318	12973
Hardin	18537	18238	16967	16670	15190	14665	13943	13678	13565	13965	13860
Harrison	15243	14722	13465	13651	12921	12486	11752	12542	11745	12084	11024
Henry	18605	19392	17181	17068	16261	15530	15320	16231	15958	14928	13304
Howard	17335	16501	15142	13883	14176	13880	12973	13563	11760	12538	12455
Humboldt	19390	17710	16888	15890	15852	15209	14387	14365	14144	12625	12097
Ida	20187	20411	18986	18032	17709	16210	15527	15953	15782	15430	14370
Iowa	22668	22402	20686	20905	19098	17626	16128	17521	14695	14915	14071
Jackson	14976	14555	13795	13372	12372	12016	11569	11400	11740	10701	10538
Jasper	25905	25928	22512	22649	23958	20123	19865	19067	19353	17751	17656

Table 6. Average Annual Payroll Per Employee for Business Establishments in Iowa Counties, 1985-1995  
(continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	21630	20993	18591	19219	17418	16528	16600	16075	14931	13457	13743
Johnson	19708	19571	18236	18598	16533	15713	16180	14853	14793	14516	13809
Jones	16217	17289	16148	16021	15190	14524	13912	13489	13471	12331	11436
Keokuk	16745	16189	14810	14628	15308	14530	13299	13778	12589	12200	11896
Kossuth	17653	16390	15752	15475	15357	15166	16903	14547	13823	13451	13181
Lee	22215	21873	21029	20214	19370	18571	19050	18730	17601	17546	17036
Linn	25903	24897	24196	23454	22734	22333	21844	21242	19712	19236	18631
Louisa	18788	18513	15903	16479	15111	15455	14059	14485	13877	14230	10959
Lucas	19204	22151	19158	19020	23710	18333	16777	17283	17924	18080	14558
Lyon	15390	14799	14026	13775	13527	13410	13116	12808	11668	11675	11106
Madison	16335	15550	14696	14060	12636	12486	12197	11838	11484	11514	10502
Mahaska	17129	17464	16135	16615	14926	13820	13600	13315	12782	12859	12513
Marion	21885	21830	22836	22745	20162	19314	18265	18814	18273	16443	16312
Marshall	23540	23274	22462	22392	22799	20931	19956	19587	18805	18362	17767
Mills	19306	19165	18249	19610	15508	14726	16492	11456	11342	11090	11701
Mitchell	17587	17247	16184	14969	14071	13928	12782	13196	11950	11666	11646
Monona	15053	15119	13988	14501	13810	12438	12466	12345	11685	11231	10783
Monroe	19590	19877	17591	16024	14557	11512	11884	12435	12033	12185	12060
Montgomery	19033	18832	16867	16827	16280	15254	14722	14368	14337	13839	12833
Muscatine	26842	26716	25428	24973	22950	22220	21862	21303	20571	19438	19172
O'Brien	16202	15031	13775	13756	13417	13024	12245	11888	11643	11406	10662
Osceola	17432	16604	16025	16510	15441	15528	13232	13944	13606	12357	11705
Page	19365	19342	17793	16222	15680	14425	14803	14437	14489	13756	12504
Palo Alto	15102	14254	14000	14260	12719	12575	11524	11686	11116	10830	10319
Plymouth	21449	21050	18890	18186	16544	17755	16667	15991	14785	14579	13379
Pocahontas	17163	17107	15993	15507	14513	14768	14912	13219	13703	10830	11585
Polk	26513	24912	24247	23213	21748	21845	20361	19897	19400	18512	17805
Pottawattamie	19114	18617	17724	17060	16123	15836	15309	14711	14817	14544	14022
Poweshiek	21064	20732	19569	19448	18227	18890	17127	18786	17738	17201	16138
Ringgold	14017	13795	14494	12616	12926	11775	12702	11580	10574	10029	9183
Sac	14639	14307	13524	12203	12521	12110	10935	11639	10494	10623	10171
Scott	24359	23590	22679	21999	21262	20863	19944	19985	19252	18771	18318
Shelby	15925	15155	14218	14753	14270	12889	12089	12799	11898	11616	11571
Sioux	17176	16699	15982	15092	13206	12600	12813	12475	12413	11804	11717
Story	17144	16950	16250	15791	14053	14792	14810	13907	12634	11587	12119
Tama	17221	18175	15405	15009	13769	15269	14198	16018	13337	13123	12469
Taylor	14518	13130	12672	12726	12448	11633	11627	11110	10029	9601	9788
Union	17094	16771	15445	15167	14458	13605	13300	13315	12770	13338	12435
Van Buren	17838	17206	15742	16300	13835	14278	14504	12005	12591	11393	10812
Wapello	20550	20932	20216	19756	19088	18916	18777	17898	17110	15346	16883
Warren	15614	15203	14817	14108	13277	12738	12103	12277	11754	11298	10386
Washington	17462	17460	16988	15978	14879	14795	14137	14127	13560	12753	12200
Wayne	15221	14455	14859	14027	13120	13115	13998	13286	11345	11162	11694
Webster	20506	20531	18995	19700	17876	16873	16067	15606	14573	13907	13171
Winnebago	20098	21299	20001	18200	18359	20528	15118	16523	15774	14480	12706
Winneshiek	17701	16846	15301	15567	14154	12962	12862	12550	13509	12134	11621
Woodbury	20945	21178	19627	19543	18542	17214	17201	16948	16059	15603	15303
Worth	16621	16242	15644	13939	12850	15052	13875	12714	12783	12663	11470
Wright	19708	20850	17265	16855	16579	17311	16629	16084	14856	14525	12880
County Unknown	22599	21308	20051	20300	18118	20547	20686	24171	20383	19474	19745
State of Iowa	22066	21411	20446	19945	18873	18486	17830	17508	16838	16107	15653

Table 7. Adjusted Average Annual Payroll (in 1995 \$1,000s) Per Employee for Business Establishments in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	19569	18495	19221	17797	17233	17358	17426	18351	18074	18069	16665
Adams	15498	15801	14857	14731	12657	12219	16427	16896	16981	17827	16508
Allamakee	15243	15416	14938	14192	15084	15762	15544	15136	15464	16511	16285
Appanoose	17402	18082	18126	18280	18093	18228	18129	18436	18861	19531	19193
Audubon	14749	14918	14698	14144	13547	13775	14458	15167	14010	13555	12919
Benton	17906	17510	16511	16519	17232	17083	17256	17937	18437	17189	17267
Black Hawk	24087	23750	23507	23386	23276	24498	25231	25970	24984	23515	24615
Boone	20016	19992	19853	20490	18532	17958	20414	18720	18189	20784	18369
Bremer	20323	19923	20180	20954	20420	20152	21472	21223	22076	21337	21784
Buchanan	19173	19586	19065	19400	18693	18425	18945	17576	17290	17462	16030
Buena Vista	17796	17382	17325	16878	17033	17232	17666	18631	17587	17445	16631
Butler	16134	15965	14645	15178	14424	15851	16107	15789	14897	14797	14421
Calhoun	15460	15093	15463	15690	14891	15355	16331	16238	16250	17294	16169
Carroll	17502	17368	17819	18383	17117	17835	17606	18154	19698	19276	19634
Cass	17485	17210	17022	15449	15314	16860	17249	18247	17764	17975	17460
Cedar	16132	15274	14776	15939	15768	15532	15517	16395	16739	15172	15670
Cerro Gordo	20400	19695	19669	20585	19155	19471	19464	19552	19782	19519	19219
Cherokee	19279	18649	18581	18104	17575	18399	19671	19146	21040	18564	19168
Chickasaw	18687	19461	18231	17807	17679	17878	19088	19292	19735	20437	19613
Clarke	16953	16348	16906	15815	15980	17993	16494	19564	18951	19861	17537
Clay	19114	18895	18755	17698	17713	18456	17823	18611	18851	17930	17558
Clayton	17913	17578	17061	17562	16571	16928	16780	17952	17226	17411	16011
Clinton	19966	20369	20044	19754	20325	20976	21330	21720	20695	20761	21568
Crawford	18897	18280	17826	17317	17243	17017	19903	19451	20623	21055	20210
Dallas	20676	20001	18551	19066	18164	18666	17807	19879	20156	19367	18232
Davis	15839	17920	16431	15532	15933	16447	15794	17191	16675	16877	16974
Decatur	11865	12207	11993	11874	11878	10982	12030	12393	11913	12874	11811
Delaware	18918	19235	18368	17652	18281	18834	19816	20356	19917	18579	18337
Des Moines	22483	23397	22522	22648	22466	22456	22444	23285	24175	24202	23717
Dickinson	19879	18728	18582	19026	17406	18603	18919	18525	18270	17196	18752
Dubuque	22265	22789	22170	22321	21718	21796	22160	23094	24472	22728	24229
Emmet	17611	18332	17991	17436	16009	16381	17078	16753	16261	16945	15250
Fayette	15881	16354	16254	17113	16579	17314	17410	17822	17539	17394	17404
Floyd	18053	18824	20967	18220	16884	16964	18173	19382	18760	19349	18634
Franklin	20407	19698	17960	17640	17073	18102	19554	19087	19792	20636	18684
Fremont	16909	16720	16203	16851	14659	15068	16900	15112	14854	16030	16399
Greene	18042	18219	17350	16639	16222	16204	15632	16532	16845	17367	16446
Grundy	20307	21375	17822	19299	18616	17436	16851	17703	18228	17970	16957
Guthrie	13931	12882	14044	13146	14997	14577	14118	14683	14514	13525	14132
Hamilton	19321	19909	18347	18625	19488	19063	18297	19660	19895	22019	18088
Hancock	16694	17060	16696	18336	18055	17594	19172	19579	18643	18371	18170
Hardin	18537	18755	17889	18072	16945	17019	17032	17514	18064	19263	19413
Harrison	15243	15139	14197	14799	14414	14490	14355	16059	15640	16669	15441
Henry	18605	19942	18115	18503	18140	18023	18714	20783	21250	20592	18634
Howard	17335	16969	15965	15050	15814	16108	15847	17366	15660	17295	17445
Humboldt	19390	18212	17806	17226	17683	17650	17574	18393	18835	17415	16943
Ida	20187	20990	20018	19548	19755	18812	18967	20427	21016	21284	20127
Iowa	22668	23037	21811	22663	21304	20455	19701	22434	19568	20574	19708
Jackson	14976	14968	14545	14496	13801	13945	14132	14597	15633	14761	14760
Jasper	25905	26663	23736	24553	26726	23353	24266	24414	25771	24486	24729

Table 7. Adjusted Average Annual Payroll (in 1995 \$1,000s) Per Employee for Business Establishments in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	21630	21588	19602	20835	19430	19181	20277	20583	19883	18563	19249
Johnson	19708	20126	19227	20162	18443	18235	19764	19018	19699	20023	19341
Jones	16217	17779	17026	17368	16945	16855	16994	17272	17939	17009	16018
Keokuk	16745	16648	15615	15858	17077	16862	16245	17642	16764	16829	16662
Kossuth	17653	16855	16608	16776	17131	17600	20647	18626	18407	18554	18462
Lee	22215	22493	22172	21914	21608	21552	23270	23982	23438	24203	23861
Linn	25903	25603	25511	25426	25360	25918	26683	27199	26249	26534	26095
Louisa	18788	19038	16767	17865	16857	17936	17173	18547	18479	19629	15349
Lucas	19204	22779	20199	20619	26449	21276	20493	22130	23868	24940	20390
Lyon	15390	15219	14788	14933	15090	15562	16021	16400	15538	16105	15555
Madison	16335	15991	15495	15242	14096	14490	14899	15158	15293	15882	14709
Mahaska	17129	17959	17012	18012	16650	16038	16613	17049	17021	17738	17526
Marion	21885	22449	24077	24657	22491	22414	22311	24090	24333	22682	22847
Marshall	23540	23934	23683	24275	25433	24291	24377	25080	25042	25329	24885
Mills	19306	19708	19241	21259	17300	17090	20145	14669	15103	15298	16389
Mitchell	17587	17736	17064	16228	15697	16164	15614	16896	15913	16092	16312
Monona	15053	15548	14748	15720	15405	14434	15227	15807	15560	15492	15103
Monroe	19590	20441	18547	17371	16239	13360	14517	15922	16024	16808	16892
Montgomery	19033	19366	17784	18242	18161	17702	17983	18397	19092	19090	17974
Muscatine	26842	27474	26810	27073	25601	25787	26705	27277	27393	26813	26853
O'Brien	16202	15457	14524	14913	14967	15114	14958	15222	15504	15734	14933
Osceola	17432	17075	16896	17898	17225	18020	16163	17854	18118	17045	16394
Page	19365	19890	18760	17586	17491	16740	18082	18485	19294	18975	17513
Palo Alto	15102	14658	14761	15459	14188	14593	14077	14963	14803	14939	14453
Plymouth	21449	21647	19917	19715	18455	20605	20359	20475	19688	20110	18739
Pocahontas	17163	17592	16862	16811	16190	17138	18215	16926	18247	14939	16226
Polk	26513	25618	25565	25165	24261	25351	24871	25477	25834	25536	24938
Pottawattamie	19114	19145	18687	18494	17986	18378	18700	18836	19731	20062	19640
Poweshiek	21064	21320	20633	21083	20333	21922	20921	24054	23621	23727	22603
Ringgold	14017	14186	15282	13677	14419	13665	15516	14827	14081	13834	12862
Sac	14639	14713	14259	13229	13968	14054	13357	14903	13974	14653	14246
Scott	24359	24259	23912	23849	23718	24212	24362	25589	25637	25893	25657
Shelby	15925	15585	14991	15993	15919	14958	14767	16388	15844	16023	16207
Sioux	17176	17172	16851	16361	14732	14622	15651	15973	16530	16283	16411
Story	17144	17431	17133	17119	15677	17166	18091	17807	16824	15983	16974
Tama	17221	18690	16242	16271	15360	17720	17343	20510	17760	18102	17464
Taylor	14518	13502	13361	13796	13886	13500	14203	14226	13355	13244	13709
Union	17094	17247	16285	16442	16128	15789	16246	17049	17005	18399	17417
Van Buren	17838	17694	16598	17671	15433	16570	17717	15371	16767	15716	15144
Wapello	20550	21526	21315	21417	21293	21952	22937	22917	22784	21168	23647
Warren	15614	15634	15622	15294	14811	14783	14784	15720	15652	15585	14547
Washington	17462	17955	17911	17321	16598	17170	17269	18089	18057	17592	17088
Wayne	15221	14865	15667	15206	14636	15220	17099	17012	15107	15397	16379
Webster	20506	21113	20028	21356	19941	19581	19626	19982	19406	19183	18448
Winnebago	20098	21903	21088	19730	20480	23823	18467	21156	21005	19974	17796
Winneshiek	17701	17324	16133	16876	15789	15043	15711	16069	17989	16738	16277
Woodbury	20945	21778	20694	21186	20684	19977	21011	21701	21385	21523	21434
Worth	16621	16703	16494	15111	14335	17468	16949	16279	17022	17467	16065
Wright	19708	21441	18204	18272	18494	20090	20313	20594	19783	20036	18040
County Unknown	22599	21922	21151	22017	20221	23836	25258	30949	27141	26861	27654
State of Iowa	22066	22018	21557	21622	21053	21453	21780	22418	22422	22218	21924

Not surprisingly, Polk (221,914) had the most employees in 1995, followed by Linn (98,757), Scott (70,022), and Black Hawk (54,088). Thirteen counties reported fewer than 2,000 workers in these establishments; Adams (1,082) and Ringgold (952) had the least. Even though there were substantial statewide gains in employees between 1985 and 1995, Adams and Franklin had fewer at the end of the period than at the beginning. Six counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Scott) had increases of at least 10,000 when 1985 and 1995 were compared.

### **Employees Per Establishment**

Iowa's establishments averaged 14.5 employees each in 1995, up slightly from 14.0 in 1994 and significantly higher than the 1985 figure of 11.6 (Table 3). Recent years have seen a trend toward larger businesses, although increases have not been consistent from one year to the next.

While there was considerable range in the average number of employees per establishment, 40 counties averaged fewer than 10; six (Audubon, Butler, Fremont, Guthrie, Lyon, Sac) were below seven. In contrast, Henry, Polk, and Winnebago had averages of at least 20, while Dubuque, Iowa, Linn, Marion, and Muscatine reported at least 18 employees per business. All but Adams averaged more employees per firm in 1995 than in 1985.

### **Annual Payroll**

Iowa's payroll from these establishments was more than \$25 billion in 1995, more than \$1.8 billion higher (+7.7%) than in 1994 (Table 4). Pay increased annually since 1985; the total in 1995 was \$11.9 billion more (+89.4%) than the amount 10 years earlier.

While the three counties (Adams, Ringgold, Taylor) with the lowest payrolls in 1995 were below \$20 million, the majority (57) of Iowa's 99 counties ranged from \$20 million to \$99 million. Another 32 counties had payrolls ranging from \$100 million to \$499 million, but the largest figures (\$800 million or more) were in Black Hawk, Dubuque, Johnson, Linn, Polk, Scott, and Woodbury. Polk's \$5.9 billion was the highest. No county reported a lower payroll in 1995 than in 1985.

Because inflation has affected the value of a dollar from year to year, comparisons of the 1995 payroll data with those for earlier years are somewhat limited. To determine whether pay was keeping pace with inflation, the figures for previous years were adjusted to 1995 dollars based on the consumer price index for each year.

After adjusting for inflation, the payroll in Iowa still was higher in 1995 than in 1994 (+\$1.1 billion, +4.7%) (Table 5). This represents a real increase beyond inflation, which was not the case for every year reported. The adjusted figures show a payroll decline between 1990 and 1991 in Iowa. Still, annual payroll figures increased substantially (\$6.5 billion, +35.2%) after inflation was taken into account from 1985 to 1995.

County adjusted and unadjusted payroll figures also differ. Before adjusting for inflation, no county had a lower payroll in 1995 than in 1985. After adjustment, three (Adams, Crawford, Lucas) were in this situation. In adjusted dollars, 1995 payrolls were approximately \$5 million lower in Adams and \$3 million lower in Crawford and Lucas than those reported for 1985.

### **Pay Per Employee**

Payrolls may be going up because wages and salaries are higher or because there are more workers. Dividing the annual payroll by the number of employees results in the average pay per employee. Statewide in 1995, employees averaged \$22,066, up by \$655 (+3.1%) from the 1994 figure (Table 6). Pay per employee increased each year since 1985, for an average per person gain of \$6,413 (+41.0%) over the 10 years.

In 1995, pay per employee varied from less than \$15,000 in Audubon, Decatur, Guthrie, Jackson, Ringgold, Sac, and Taylor to more than \$25,000 in Jasper, Linn, Muscatine, and Polk. All counties had higher average pay in 1995 than in 1985, with the increase less than \$4,000 in 12 counties. Average pay increased more than \$8,000 in Grundy, Iowa, Jasper, Plymouth, and Polk, however.

As with total payroll, the average pay per worker for 1994 and earlier years was adjusted to 1995 dollars to account for the effects of inflation. The statewide adjusted pay averages did not increase each year as before adjustment; rather, the figures of 1989-1995 were lower than those for 1986-1988 (Table 7). Indeed, the state figure in 1995 was only \$142 higher than that for 1985 after inflation was considered. This means that pay has barely kept ahead of inflation; it may also indicate a trend to more part-time workers. Each employee is counted without regard to the amount of time that person actually works.

Among the counties, the pattern of change in average pay per employee between 1985 and 1995 was quite different when the adjusted figures were compared. With the unadjusted numbers, all the counties had higher average pay in 1995 than in 1985. With adjustment for inflation, 41 counties were lower in the more recent year. Nineteen counties decreased by more than \$1,000 in adjusted average pay over the period, with two of these (Carroll, Wapello) down more than \$2,000. Fifty-eight counties had higher adjusted average pay in 1995 than in 1985; 38 increased by at least \$1,000. Gains exceeded \$2,000 in 15 of these, topped by increases greater than \$3,000 in Buchanan, Grundy, and Louisa even after inflation was taken into consideration.

**Note:** These data are published in annual reports entitled COUNTY BUSINESS PATTERNS: IOWA (Washington, D.C.: U.S. Bureau of the Census; the 1995 volume was published in 1997 under CBP-95-17). More detailed data are available for each county, incorporated places with at least 2,500 residents, and the state in these reports.

Figure 1. Number of business establishments in Iowa, 1985-1995.

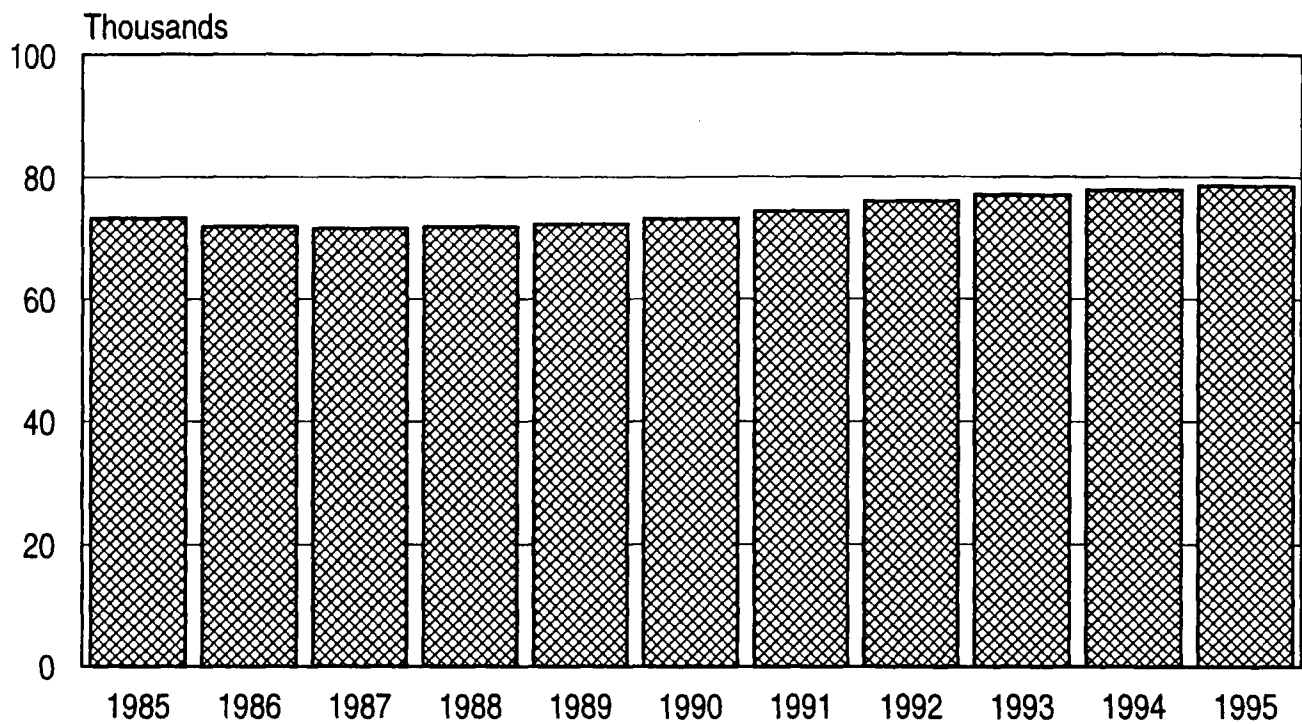
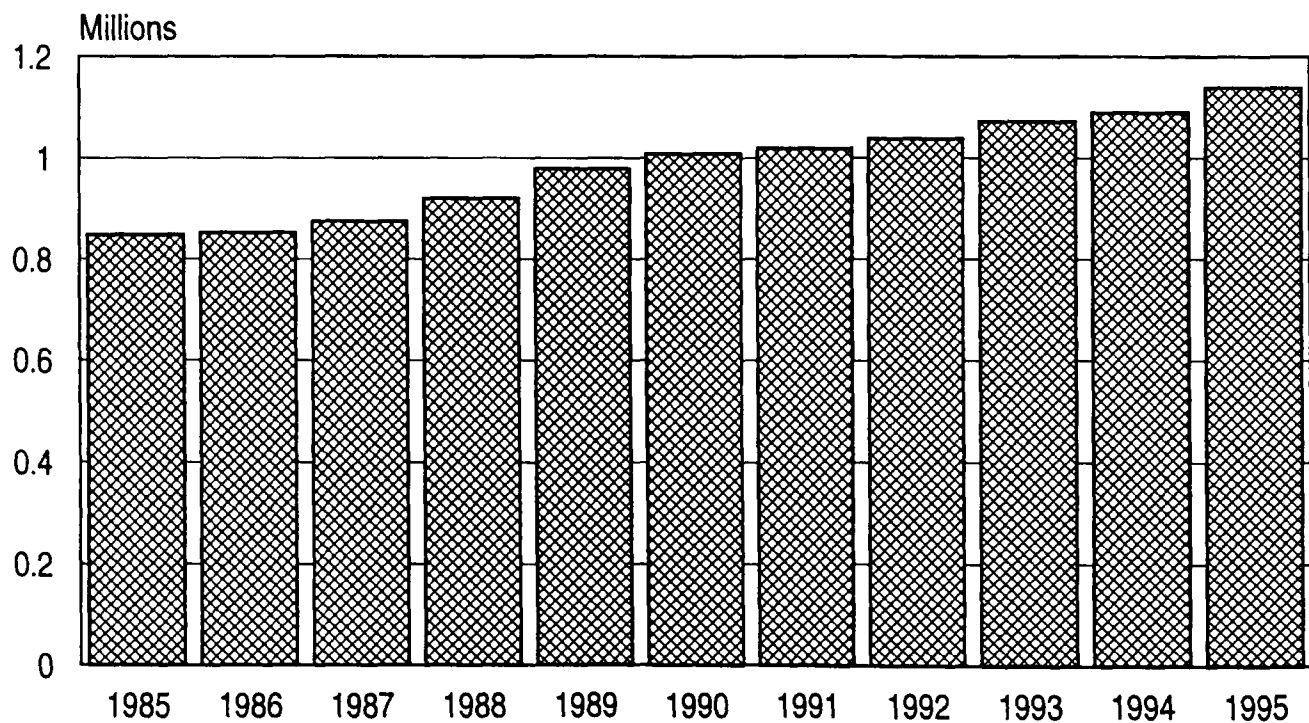


Figure 2. Number of employees of business establishments in Iowa, 1985-1995.





## Farm Numbers, Acreage, and Size of Farms in Iowa's Counties: 1976-1996

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Each year, the Iowa Department of Agriculture and Land Stewardship estimates the number of farms in Iowa's counties. The 98,000 farms reported for 1996, which was the first time the number was less than 100,000, represented a decrease of 5,000 from the total in 1991. Since 1976, farm numbers have declined by 29,000 (Table 1, Figure 1). The number of acres in farms also decreased (Table 2); the 33,200,000 acres reported in 1996 was 700,000 below the 1976 figure, a decline of 2.1 percent. Average farm size (in acres) has increased from 267 in 1976 to 339 in 1996, a gain of 72 acres over the 21 years (Table 3, Figure 2).

Counties vary by the number and average size of their farms. This variation is due to the physical size of the county; the terrain, soil, and commodities produced; and the historical settlement patterns. Seven counties (Clayton, Dubuque, Kossuth, Linn, Plymouth, Sioux, Winneshiek) each had at least 1,500 farms. Their totals were more than double the number in the 19 counties with fewer than 750. Emmet, Louisa, and Mills were the only counties with fewer than 600 farms as of 1996. Acreage in farms varied from less than 300,000 acres in 29 counties to more than 400,000 in 16 others. Only Des Moines and Dickinson counties reported fewer than 225,000 acres in farms in 1996. In contrast, Kossuth, Plymouth, Pottawattamie, and Woodbury each had at least 500,000 acres in farms that year.

Average size tends to be smaller in eastern and northeastern Iowa; the largest farms generally are located in the southern and western sections of the state (Figure 3). Five counties (Bremer, Dubuque, Johnson, Linn, Sioux) averaged fewer than 250 acres per farm, while six others (Decatur, Fremont, Harrison, Mills, Monona, Ringgold) had averages of 450 acres or more.

### Change in Number of Farms

The number of farms declined in all 99 counties from 1976 to 1996. Forty-four counties reported decreases of 300 or more farms by the end of the period; 43 decreased from 200 to 299, and the remaining 12 lost fewer than 200 farms. Three counties (Adams, Dickinson, Jackson) declined by fewer than 150 farms between 1976 and 1996; three others (Fayette, Kossuth, Pottawattamie) had at least 500 fewer farms in 1996 than in 1976.

Farms dropped by 9,000 from 1976 to 1981 and by another 9,000 from 1981 to 1986. The decline was 6,000 during the 1986-1991 period. In 1976, 22 counties had at least 1,500 farms; only seven did in 1996. The number of Iowa's farms decreased by 22.8 percent from 1976 to 1996 (Table 4). The drop was less than 15 percent in Clayton, Dubuque, Jackson, and Sioux; it exceeded 30 percent in Boone, Grundy, Hamilton, Polk, Wapello, and Wright. At least 25 percent fewer farms were counted in another 28 counties. In the most recent comparison (1991-1996), farms were down 4.9 percent in the state.

In 33 counties, greater percentage declines occurred in the early 1980s than in the other 5-year periods reported in Table 4. But 32 counties had larger decreases in the late 1970s and another 32 had higher declines in the late 1980s than the other periods. For Jackson and Sioux, however, percentage decreases were greatest in the early 1990s; both of these counties had substantially smaller percentage changes in previous periods than did other counties.

Table 1. Estimated Number of Farms in Iowa Counties, 1976-1996.

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	880	900	910	920	930	930	940	950	970	980	1010	1030	1040	1050	1080	1080	1090	1110	1130	1140	1150
Adams	660	670	670	680	690	690	690	700	710	700	720	720	730	730	750	750	750	760	780	790	790
Allamakee	1060	1080	1090	1100	1110	1110	1110	1110	1120	1090	1110	1120	1120	1130	1150	1180	1180	1200	1210	1230	1280
Appanoose	850	870	880	890	900	900	900	900	900	890	890	890	900	900	930	960	990	990	1000	1040	1080
Audubon	770	780	790	800	810	810	830	840	860	870	880	890	900	910	920	940	960	980	1000	1010	1010
Benton	1320	1350	1360	1380	1390	1390	1410	1420	1460	1470	1490	1520	1570	1580	1590	1590	1600	1620	1650	1650	1650
Black Hawk	1100	1120	1130	1140	1160	1160	1190	1220	1280	1300	1320	1330	1330	1340	1370	1370	1380	1400	1410	1460	1520
Boone	910	930	940	950	960	960	980	1000	1020	1040	1050	1080	1110	1140	1170	1180	1190	1210	1250	1280	1310
Bremer	1060	1080	1090	1110	1120	1120	1130	1150	1170	1170	1190	1210	1240	1280	1300	1300	1300	1310	1390	1390	1410
Buchanan	1170	1190	1200	1210	1220	1220	1250	1280	1340	1360	1380	1390	1390	1400	1420	1460	1490	1510	1510	1570	1620
Buena Vista	940	960	970	980	990	990	1010	1050	1080	1120	1150	1170	1180	1190	1210	1240	1250	1250	1280	1280	1300
Butler	1190	1210	1220	1230	1250	1250	1270	1280	1310	1320	1340	1380	1420	1460	1490	1510	1510	1520	1520	1550	1590
Calhoun	870	890	890	900	910	910	940	960	980	1010	1040	1080	1110	1170	1180	1180	1180	1190	1220	1220	1220
Carroll	1160	1180	1190	1200	1220	1220	1250	1270	1330	1350	1370	1390	1390	1400	1420	1420	1420	1430	1430	1430	1430
Cass	900	920	930	930	940	940	940	950	970	950	980	1000	1050	1080	1100	1100	1110	1140	1150	1160	1160
Cedar	1090	1110	1120	1140	1150	1150	1160	1170	1200	1200	1220	1240	1280	1320	1330	1330	1340	1360	1400	1400	1400
Cerro Gordo	860	880	890	900	910	910	920	930	950	950	970	1000	1020	1040	1050	1050	1060	1080	1120	1120	1120
Cherokee	960	970	980	1000	1000	1000	1020	1050	1080	1110	1140	1170	1210	1220	1220	1220	1230	1240	1260	1260	1260
Chickasaw	1030	1060	1070	1080	1080	1080	1080	1080	1100	1080	1100	1110	1130	1170	1200	1200	1200	1210	1220	1220	1260
Clarke	700	710	720	720	730	730	720	720	720	710	730	740	750	770	780	780	790	810	820	850	850
Clay	780	790	800	810	820	820	840	860	880	890	910	950	1000	1050	1060	1060	1070	1080	1100	1100	1100
Clayton	1700	1730	1750	1760	1780	1780	1760	1740	1740	1700	1710	1710	1710	1720	1750	1810	1830	1850	1850	1930	1990
Clinton	1370	1400	1420	1430	1440	1440	1450	1460	1490	1470	1490	1520	1550	1560	1590	1620	1640	1640	1660	1660	1680
Crawford	1250	1280	1290	1300	1320	1320	1330	1340	1370	1370	1400	1450	1490	1510	1540	1560	1560	1570	1590	1680	1680
Dallas	970	990	1000	1010	1020	1020	1040	1050	1070	1100	1110	1140	1170	1200	1220	1220	1220	1230	1270	1270	1270
Davis	910	930	940	950	960	960	960	960	960	940	940	940	940	950	970	990	1000	1040	1040	1090	1170
Decatur	710	720	730	740	750	750	750	740	740	730	750	760	760	770	780	790	790	810	820	850	880
Delaware	1350	1380	1390	1400	1420	1420	1430	1440	1470	1460	1460	1460	1460	1470	1500	1500	1500	1510	1530	1560	1610
Des Moines	700	710	710	720	730	730	740	750	760	770	790	800	800	810	830	830	840	890	890	930	930
Dickinson	600	610	620	620	630	630	630	620	630	610	620	640	640	650	670	680	690	700	700	700	710
Dubuque	1650	1680	1700	1720	1730	1730	1720	1710	1710	1680	1690	1690	1690	1700	1730	1730	1730	1740	1740	1780	1850
Emmet	590	600	600	610	620	620	620	620	630	620	630	650	680	710	720	740	740	750	760	760	770
Fayette	1440	1470	1490	1500	1520	1520	1530	1530	1560	1540	1570	1590	1620	1630	1660	1700	1730	1770	1780	1880	1970

\*Preliminary estimates

Table 1. Estimated Number of Farms in Iowa Counties, 1976-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	910	930	940	950	960	960	970	990	1010	1010	1030	1050	1070	1090	1110	1120	1120	1130	1140	1170	1200
Franklin	950	970	980	990	1000	1000	1010	1020	1040	1030	1050	1080	1120	1160	1180	1180	1190	1210	1260	1260	1260
Fremont	600	610	620	620	630	630	660	680	690	730	750	750	760	760	780	780	790	800	830	840	840
Greene	830	850	860	870	870	870	890	920	940	970	1000	1030	1050	1060	1070	1070	1090	1100	1130	1130	1130
Grundy	820	840	850	850	860	860	910	950	980	1050	1060	1090	1110	1120	1150	1160	1170	1180	1230	1260	1260
Guthrie	1010	1030	1040	1050	1060	1060	1040	1020	1020	980	1010	1050	1080	1110	1120	1120	1120	1130	1160	1180	1190
Hamilton	860	880	890	900	910	910	940	970	1000	1040	1060	1080	1110	1150	1170	1190	1210	1240	1290	1290	1300
Hancock	930	950	960	970	980	980	1000	1020	1040	1070	1090	1120	1150	1170	1190	1210	1220	1230	1280	1280	1310
Hardin	970	990	1000	1010	1020	1020	1040	1050	1070	1080	1100	1120	1160	1200	1220	1220	1230	1250	1280	1290	1290
Harrison	930	950	960	970	980	980	1000	1010	1030	1050	1080	1120	1160	1190	1210	1220	1240	1250	1280	1310	1320
Henry	840	860	870	870	880	880	890	900	920	910	930	950	950	960	980	980	990	1050	1070	1120	1120
Howard	930	950	960	970	980	980	980	970	990	960	980	990	1010	1050	1070	1070	1070	1080	1110	1110	1160
Humboldt	650	660	670	680	680	680	700	730	750	770	780	800	820	840	860	860	870	870	900	900	900
Ida	710	730	740	750	750	750	760	780	800	800	820	840	860	870	890	890	900	900	920	930	930
Iowa	1020	1040	1050	1060	1070	1070	1070	1080	1100	1080	1100	1120	1130	1140	1170	1180	1190	1200	1210	1210	1220
Jackson	1370	1400	1410	1420	1440	1440	1430	1410	1410	1380	1400	1400	1400	1410	1440	1460	1460	1470	1470	1470	1500
Jasper	1330	1340	1360	1380	1390	1390	1410	1430	1460	1480	1500	1530	1550	1580	1610	1610	1620	1630	1680	1690	1690
Jefferson	790	810	820	830	840	840	830	820	820	790	810	830	860	890	910	920	930	1000	1010	1060	1110
Johnson	1300	1330	1340	1350	1370	1370	1380	1380	1410	1390	1410	1440	1480	1500	1520	1520	1530	1540	1560	1560	1560
Jones	1130	1150	1160	1170	1180	1180	1180	1190	1200	1190	1210	1230	1270	1300	1320	1360	1360	1360	1370	1370	1410
Keokuk	1010	1030	1040	1050	1060	1060	1060	1060	1080	1050	1070	1100	1140	1190	1210	1210	1220	1300	1310	1380	1380
Kossuth	1560	1590	1600	1620	1630	1630	1660	1680	1730	1750	1780	1820	1860	1880	1910	1920	1940	1970	2030	2030	2060
Lee	910	930	940	950	960	960	970	980	1000	1010	1030	1050	1050	1060	1080	1080	1080	1130	1140	1200	1250
Linn	1570	1600	1620	1640	1650	1650	1670	1680	1710	1710	1740	1760	1790	1800	1820	1820	1830	1840	1860	1860	1860
Louisa	590	600	610	620	620	620	630	630	640	640	650	670	680	700	710	710	720	780	790	830	830
Lucas	680	700	700	710	720	720	720	710	710	700	720	730	740	770	790	800	840	850	850	880	920
Lyon	1160	1190	1200	1210	1220	1220	1230	1240	1270	1260	1290	1320	1360	1390	1410	1420	1420	1430	1430	1430	1440
Madison	1060	1080	1090	1100	1110	1110	1100	1090	1090	1080	1110	1120	1130	1150	1180	1200	1250	1260	1270	1320	1360
Mahaska	1130	1150	1170	1180	1190	1190	1190	1190	1210	1200	1220	1240	1250	1260	1280	1290	1290	1360	1370	1440	1470
Marion	1070	1090	1100	1110	1120	1120	1130	1140	1140	1150	1180	1190	1210	1230	1250	1250	1260	1350	1370	1420	1420
Marshall	1010	1030	1040	1050	1060	1060	1070	1080	1100	1090	1110	1130	1160	1190	1220	1230	1230	1240	1240	1250	1280
Mills	570	580	590	600	600	600	610	630	640	650	670	670	680	680	690	700	740	750	790	800	800
Mitchell	820	840	850	860	870	870	890	920	950	960	980	990	1000	1010	1020	1020	1030	1050	1060	1090	1100

Table 1. Estimated Number of Farms in Iowa Counties, 1976-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	830	850	860	870	880	880	880	880	900	870	880	910	920	930	950	970	1000	1000	1050	1050	1050
Monroe	690	700	710	720	720	720	730	740	740	750	750	750	750	760	770	780	810	830	830	860	900
Montgomery	630	640	650	660	660	660	670	690	700	710	730	740	760	760	780	780	790	790	790	800	820
Muscatine	810	830	840	840	850	850	860	880	910	920	930	940	970	1000	1010	1010	1030	1040	1050	1050	1050
O'Brien	1100	1130	1140	1150	1160	1160	1190	1200	1230	1260	1290	1320	1330	1340	1360	1360	1360	1370	1380	1380	1380
Osceola	710	730	740	740	750	750	750	750	770	750	770	790	820	840	850	850	850	860	860	860	870
Page	940	960	970	980	990	990	1000	1010	1030	1030	1040	1040	1050	1050	1070	1070	1080	1090	1160	1170	1170
Palo Alto	860	880	890	900	900	900	910	930	950	950	980	1000	1010	1020	1040	1050	1070	1070	1100	1100	1110
Plymouth	1610	1650	1660	1680	1700	1700	1720	1730	1770	1770	1810	1830	1870	1880	1900	1910	1920	1930	1950	1950	1970
Pocahontas	890	900	910	920	930	930	950	970	990	1010	1040	1070	1100	1110	1130	1140	1160	1170	1180	1180	1190
Polk	850	870	880	890	890	890	920	950	980	1020	1040	1060	1080	1100	1120	1140	1140	1150	1150	1170	1240
Pottawattamie	1400	1430	1440	1460	1470	1470	1520	1560	1610	1670	1700	1730	1780	1810	1850	1900	1900	1900	1900	1920	1960
Poweshiek	1020	1040	1050	1060	1070	1070	1070	1070	1090	1060	1080	1100	1130	1140	1170	1180	1190	1200	1220	1250	1270
Ringgold	730	740	750	760	770	770	750	730	730	710	730	740	750	770	800	810	820	860	870	900	910
Sac	940	960	970	970	980	980	1000	1020	1050	1060	1090	1120	1140	1150	1160	1160	1160	1160	1190	1190	1190
Scott	890	910	920	930	940	940	950	970	990	990	1010	1030	1060	1090	1110	1110	1120	1130	1170	1170	1170
Shelby	1060	1080	1090	1100	1110	1110	1130	1160	1190	1200	1230	1270	1300	1320	1340	1340	1340	1350	1370	1370	1370
Sioux	1930	1970	1990	2010	2030	2030	2040	2040	2080	2050	2070	2090	2100	2100	2130	2130	2140	2150	2200	2200	2200
Story	980	1000	1010	1020	1030	1030	1060	1100	1140	1160	1180	1210	1230	1240	1250	1250	1260	1280	1340	1360	1360
Tama	1320	1350	1360	1370	1390	1390	1400	1400	1430	1430	1450	1480	1480	1490	1530	1550	1560	1600	1630	1660	1700
Taylor	780	800	800	810	820	820	810	800	800	780	800	820	850	880	900	940	950	960	970	980	1010
Union	700	710	720	720	730	730	720	720	720	700	720	730	740	770	780	780	790	860	870	900	900
Van Buren	800	810	820	830	840	840	830	830	830	800	820	840	850	880	900	910	930	970	990	1040	1080
Wapello	800	820	820	830	840	840	850	880	900	910	930	950	950	960	970	1020	1020	1040	1040	1090	1240
Warren	1230	1260	1270	1280	1300	1300	1300	1310	1310	1320	1340	1360	1370	1390	1410	1410	1420	1470	1480	1530	1530
Washington	1090	1110	1120	1130	1140	1140	1150	1160	1200	1180	1210	1230	1230	1240	1260	1260	1280	1340	1350	1420	1420
Wayne	760	780	790	800	800	800	790	780	780	760	780	790	800	820	830	840	840	910	920	950	950
Webster	1030	1050	1060	1070	1080	1080	1120	1160	1200	1250	1260	1280	1310	1350	1370	1370	1380	1390	1420	1430	1430
Winnebago	690	710	710	710	720	720	730	740	760	760	770	790	810	840	860	870	880	910	930	930	930
Winneshiek	1580	1610	1630	1650	1660	1660	1660	1660	1690	1660	1690	1700	1700	1710	1750	1780	1790	1820	1850	1870	1930
Woodbury	1320	1350	1360	1380	1390	1390	1390	1390	1410	1370	1400	1450	1500	1580	1600	1630	1630	1640	1660	1700	1780
Worth	710	720	730	740	740	740	730	710	710	680	690	730	760	800	810	830	840	860	870	870	880
Wright	800	820	830	830	850	850	860	880	900	900	920	940	970	1010	1020	1030	1040	1070	1090	1100	1150
State of Iowa	98000	100000	101000	102000	103000	103000	104000	105000	107000	107000	109000	111000	113000	115000	117000	118000	119000	121000	123000	125000	127000

Table 2. Estimated Number of Acres in Farms in Iowa Counties, 1976-1996.

County	1996*	1995 <sup>a</sup>	1994	1993	1992	1991 <sup>a</sup>	1990 <sup>a</sup>	1989 <sup>a</sup>	1988 <sup>a</sup>	1987	1986 <sup>a</sup>	1985 <sup>a</sup>	1984	1983 <sup>a</sup>	1982 <sup>a</sup>	1981	1980 <sup>a</sup>	1979 <sup>a</sup>	1978 <sup>a</sup>	1977	1976
Adair	354200	353700	353700	354500	355100	355500	355500	355500	355500	355500	356400	356400	356400	357500	357500	357500	358500	358500	358500	358500	359600
Adams	263500	262900	262900	263500	264100	264300	264300	264300	264300	264300	264700	264700	264700	265500	265500	265500	266300	266300	266300	266300	267100
Allamakee	367800	367900	367900	369300	371100	373600	373600	373600	373600	373600	373600	373600	373600	374800	374800	374800	375900	375900	375900	375900	377000
Appanoose	285600	285400	285400	286000	286700	286700	286700	286700	286700	286700	289400	289400	289400	290300	290300	290300	291100	291100	291100	291100	292000
Audubon	277600	277000	277000	277600	278100	277500	277500	277500	277500	277500	277500	277500	277500	278300	278300	278300	279200	279200	279200	279200	280000
Benton	428700	428600	428600	429700	431200	432500	432500	432500	432500	432500	434800	434800	434800	436100	436100	436100	437400	437400	437400	437400	438600
Black Hawk	304400	304500	304500	305200	306400	306200	306200	306200	306200	306200	308500	308500	308500	309400	309400	309400	310400	310400	310400	310400	311300
Boone	332000	331600	331600	332800	333600	331300	331300	331300	331300	331300	337400	337400	337400	338400	338400	338400	339400	339400	339400	339400	340400
Bremer	255700	256500	256500	257500	258600	260300	260300	260300	260300	260300	260300	260300	260300	261000	261000	261000	261800	261800	261800	261800	262600
Buchanan	344200	343700	343700	344500	345400	345900	345900	345900	345900	345900	345900	345900	345900	346900	346900	346900	348000	348000	348000	348000	349000
Buena Vista	349800	349200	349200	350100	350900	351300	351300	351300	351300	351300	351900	351900	351900	352900	352900	352900	353900	353900	353900	353900	355000
Butler	350300	350000	350000	351400	352100	352300	352300	352300	352300	352300	353000	353000	353000	354100	354100	354100	355100	355100	355100	355100	356200
Calhoun	350000	349000	349000	349800	350500	350800	350800	350800	350800	350800	351900	351900	351900	352900	352900	352900	353900	353900	353900	353900	355000
Carroll	348300	348200	348200	349200	350100	350500	350500	350500	350500	350500	351400	351400	351400	352400	352400	352400	353400	353400	353400	353400	354500
Cass	345600	344800	344800	345600	346400	346600	346600	346600	346600	346600	347000	347000	347000	348000	348000	348000	349100	349100	349100	349100	350100
Cedar	349300	348900	348900	349800	350600	351400	351400	351400	351400	351400	352000	352000	352000	353100	353100	353100	354100	354100	354100	354100	355200
Cerro Gordo	329500	331500	331500	332700	333200	336200	336200	336200	336200	336200	338400	338400	338400	339300	339400	339400	340400	340400	340400	340400	341400
Cherokee	353900	353600	353600	354500	355100	355300	355300	355300	355300	355300	355900	355900	355900	357000	357000	357000	358000	358000	358000	358000	359100
Chickasaw	306000	305900	305900	306800	307200	305100	305100	305100	305100	305100	305100	305100	305100	306000	306000	306000	306900	306900	306900	306900	307800
Clarke	262000	261600	261600	263000	263600	263900	263900	263900	263900	263900	264200	264200	264200	265000	265000	265000	265800	265800	265800	265800	266600
Clay	342200	342200	342200	343000	344100	345100	345100	345100	345100	345100	345800	345800	345800	346800	346800	346800	347900	347900	347900	347900	348900
Clayton	462800	462200	462200	463300	464500	465300	465300	465300	465300	465300	465300	465300	465300	466700	466700	466700	468100	468100	468100	468100	469400
Clinton	406200	406100	406100	407600	408700	409200	409200	409200	409200	409200	409200	409200	409200	410500	410400	410400	411700	411700	411700	411700	412800
Crawford	441400	440600	440600	441600	442700	443100	443100	443100	443100	443100	444400	444400	444400	445700	445700	445700	447100	447100	447100	447100	448300
Dallas	338000	340000	340000	341700	342500	345600	345600	345600	345600	345600	345600	345600	345600	346600	346600	346600	347700	347700	347700	347700	348700
Davis	307400	307500	307500	308400	309000	313600	313600	313600	313600	313600	310600	310600	310600	311600	311600	311600	312500	312500	312500	312500	313400
Decatur	324100	323700	323700	324600	325300	325100	325100	325100	325100	325100	325100	325100	325100	326000	326000	326000	327000	327000	327000	327000	328000
Delaware	345600	345000	345000	346000	346900	348700	348700	348700	348700	348700	348700	348700	348700	349700	349700	349700	350700	350700	350700	350700	351800
Des Moines	216400	216300	216300	216800	217400	218300	218300	218300	218300	218300	218500	218500	218500	219200	219200	219200	219800	219800	219800	219800	220500
Dickinson	218300	220100	220100	220700	222200	224700	224700	224700	224700	224700	226800	226800	226800	227400	227400	227400	228100	228100	228100	228100	228800
Dubuque	343600	344700	344700	345700	346700	348400	348400	348400	348400	348400	348400	348400	348400	349400	349400	349400	350400	350400	350400	350400	351500
Emmet	238500	238200	238200	238800	239400	240300	240300	240300	240300	240300	240800	240800	240800	241600	241600	241600	242300	242300	242300	242300	243000
Fayette	439800	439400	439400	440500	441500	441100	441100	441100	441100	441100	441100	441100	441100	442400	442500	442500	443800	443800	443800	443800	445000

\*Preliminary estimates

<sup>a</sup>Years in which estimates were not revised

Table 2. Estimated Number of Acres in Farms in Iowa Counties, 1976-1996 (continued).

County	1996*	1995 <sup>a</sup>	1994	1993	1992	1991 <sup>a</sup>	1990 <sup>a</sup>	1989 <sup>a</sup>	1988 <sup>a</sup>	1987	1986 <sup>a</sup>	1985 <sup>a</sup>	1984	1983 <sup>a</sup>	1982 <sup>a</sup>	1981	1980 <sup>a</sup>	1979 <sup>a</sup>	1978 <sup>a</sup>	1977	1976
Floyd	301100	300900	300900	301600	302500	302600	302600	302600	302600	302600	303600	303600	303600	304500	304500	304500	305400	305400	305400	305400	306400
Franklin	355900	355200	355200	356100	356800	357300	357300	357300	357300	357300	358100	358100	358100	359100	359100	359100	360200	360200	360200	360200	361200
Fremont	309300	309600	309600	310300	311100	311800	311800	311800	311800	311800	312800	312800	312800	313800	313700	313700	314700	314700	314700	314700	315600
Greene	352300	351800	351800	352900	353700	354100	354100	354100	354100	354100	354400	354400	354400	355500	355500	355500	356500	356500	356500	356500	357600
Grundy	311600	311200	311200	311900	312700	312800	312800	312800	312800	312800	312800	312800	312800	313700	313700	313700	314600	314600	314600	314600	315600
Guthrie	362300	361800	361800	362500	363100	363800	363800	363800	363800	363800	364400	364400	364400	365500	365500	365500	366600	366600	366600	366600	367700
Hamilton	349900	349000	349000	350000	350800	350600	350600	350600	350600	350600	350600	350600	350600	351600	351700	351700	352700	352700	352700	352700	353800
Hancock	346500	346800	346800	347800	348900	349300	349300	349300	349300	349300	350000	350000	350000	351000	351000	351000	352000	352000	352000	352000	353100
Hardin	344500	344100	344100	345000	345800	346200	346200	346200	346200	346200	347200	347200	347200	348200	348200	348200	349200	349200	349200	349200	350300
Harrison	419200	418400	418400	419500	420500	421900	421900	421900	421900	421900	425000	425000	425000	426300	426300	426300	427500	427500	427500	427500	428800
Henry	259700	259400	259400	260400	261000	262100	262100	262100	262100	262100	262300	262300	262300	263100	263100	263100	263900	263900	263900	263900	264700
Howard	289200	288900	288900	289600	290400	288400	288400	288400	288400	288400	288400	288400	288400	289300	289300	289300	290100	290100	290100	290100	291000
Humboldt	266200	265800	265800	266300	266900	267200	267200	267200	267200	267200	267400	267400	267400	268200	268200	268200	269000	269000	269000	269000	269800
Ida	267400	266800	266800	267300	267900	268000	268000	268000	268000	268000	268400	268400	268400	269200	269200	269200	270000	270000	270000	270000	270800
Iowa	354000	356600	356600	357500	358600	360400	360400	360400	360400	360400	361100	361100	361100	362100	362100	362100	363200	363200	363200	363200	364300
Jackson	374800	374700	374700	375500	376600	378400	378400	378400	378400	378400	378800	378800	378800	379900	379900	379900	381100	381100	381100	381100	382200
Jasper	428200	428400	428400	430300	431600	438600	438600	438600	438600	438600	439300	439300	439300	440700	440700	440700	442000	442000	442000	442000	443200
Jefferson	257300	257500	257500	258600	260500	262300	262300	262300	262300	262300	263400	263400	263400	264300	264200	264200	265000	265000	265000	265000	265800
Johnson	318000	321000	321000	323000	324600	330000	330000	330000	330000	330000	337700	337700	337700	338700	338700	338700	339700	339700	339700	339700	340700
Jones	346100	345900	345900	346600	347500	348100	348100	348100	348100	348100	348900	348900	348900	349900	349900	349900	350900	350900	350900	350900	352000
Keokuk	354300	351800	351800	353000	354500	356400	356400	356400	356400	356400	356400	356400	356400	357400	357500	357500	358500	358500	358500	358500	359500
Kossuth	596700	595900	595900	597200	598600	598700	598700	598700	598700	598700	600300	600300	600300	602100	602100	602100	603900	603900	603900	603900	605600
Lee	291500	291600	291600	292700	293700	294800	294800	294800	294800	294800	294800	294800	294800	295600	295600	295600	296500	296500	296500	296500	297400
Linn	377600	379600	379600	381200	382800	387200	387200	387200	387200	387200	389400	389400	389400	390600	390600	390600	391700	391700	391700	391700	392900
Louisa	226600	229400	229400	230300	231000	232000	232000	232000	232000	232000	233400	233400	233400	234100	234100	234100	234800	234800	234800	234800	235500
Lucas	253100	252900	252900	253900	249500	251100	251100	251100	251100	251100	255300	255300	255300	256100	256100	256100	256800	256800	256800	256800	257600
Lyon	361600	361000	361000	361700	362600	362800	362800	362800	362800	362800	363200	363200	363200	364300	364300	364300	365400	365400	365400	365400	366500
Madison	347100	346700	346700	347300	348200	347400	347400	347400	347400	347400	347400	347400	347400	348400	348400	348400	349500	349500	349500	349500	350400
Mahaska	342500	343300	343300	344500	345600	347100	347100	347100	347100	347100	350900	350900	350900	351900	351900	351900	352900	352900	352900	352900	354000
Marion	300000	299900	299900	300900	302000	303600	303600	303600	303600	303600	308700	308700	308700	309600	309600	309600	310600	310600	310600	310600	311500
Marshall	338400	338300	338300	340000	342100	344200	344200	344200	344200	344200	344400	344400	344400	345500	345400	345400	346500	346500	346500	346500	347500
Mills	264200	264100	264100	264700	265400	267200	267200	267200	267200	267200	267200	267200	267200	268000	268000	268000	268800	268800	268800	268800	269600
Mitchell	286600	286000	286000	286700	287400	287800	287800	287800	287800	287800	288700	288700	288700	289600	289600	289600	290400	290400	290400	290400	291300

Table 2. Estimated Number of Acres in Farms in Iowa Counties, 1976-1996 (continued).

County	1996*	1995 <sup>a</sup>	1994	1993	1992	1991 <sup>a</sup>	1990 <sup>a</sup>	1989 <sup>a</sup>	1988 <sup>a</sup>	1987	1986 <sup>a</sup>	1985 <sup>a</sup>	1984	1983 <sup>a</sup>	1982 <sup>a</sup>	1981	1980 <sup>a</sup>	1979 <sup>a</sup>	1978 <sup>a</sup>	1977	1976	
Monona	418300	417500	417500	418300	418800	418600	418600	418600	418600	418600	421200	421200	421200	422500	422500	422500	423700	423700	423700	423700	425000	
Monroe	261900	261700	261700	262900	263600	264200	264200	264200	264200	264200	264200	264200	264200	265000	265000	265000	265800	265800	265800	265800	266600	
Montgomery	258200	257700	257700	258400	259200	260400	260400	260400	260400	260400	260800	260800	260800	261500	261500	261500	262300	262300	262300	262300	263100	
Muscatine	245800	247900	247900	248700	249200	250100	250100	250100	250100	250100	250500	250500	250500	251300	251300	251300	252000	252000	252000	252000	252800	
O'Brien	351700	351100	351100	351700	352400	352300	352300	352300	352300	352300	352600	352600	352600	353600	353700	353700	354700	354700	354700	354700	355800	
Osceola	244700	244200	244200	244700	245300	245500	245500	245500	245500	245500	246500	246500	246500	247200	247200	247200	248000	248000	248000	248000	248700	
Page	325200	325200	325200	326000	326700	327300	327300	327300	327300	327300	328600	328600	328600	329600	329700	329700	330600	330600	330600	330600	331600	
Palo Alto	345600	345700	345700	346800	347600	348500	348500	348500	348500	348500	348800	348800	348800	349800	349800	349800	350800	350800	350800	350800	351900	
Plymouth	527300	527100	527100	528900	530500	532600	532600	532600	532600	532600	534300	534300	534300	535900	535900	535900	537500	537500	537500	537500	539000	
Pocahontas	353600	353100	353100	353800	354500	354400	354400	354400	354400	354400	355400	355400	355400	356500	356500	356500	357500	357500	357500	357500	358600	
Polk	233800	239900	239900	243100	246400	252800	252800	252800	252800	252800	260000	260000	260000	260800	260700	260700	261500	261500	261500	261500	262300	
Pottawattamie	554100	554300	554300	555300	557100	559900	559900	559900	559900	559900	562100	562100	562100	563700	563700	563700	565400	565400	565400	565400	567000	
Poweshiek	355000	354300	354300	355200	356200	356900	356900	356900	356900	356900	357600	357600	357600	358600	358600	358600	359700	359700	359700	359700	360800	
Ringgold	336000	335500	335500	336300	336700	337300	337300	337300	337300	337300	337700	337700	337700	338600	338700	338700	339700	339700	339700	339700	340600	
Sac	351600	351000	351000	352000	352800	353500	353500	353500	353500	353500	355100	355100	355100	356200	356200	356200	357200	357200	357200	357200	358300	
Scott	232300	233100	233100	234400	235200	238000	238000	238000	238000	238000	239000	239000	239000	239700	239700	239700	240400	240400	240400	240400	241100	
Shelby	363500	362900	362900	364200	365000	365200	365200	365200	365200	365200	365400	365400	365400	366600	366500	366500	367600	367600	367600	367600	368700	
Sioux	466300	465900	465900	467100	468100	467300	467300	467300	467300	467300	468000	468000	468000	469400	469400	469400	470800	470800	470800	470800	472100	
Story	326800	327400	327400	328800	329700	331800	331800	331800	331800	331800	333700	333700	333700	334700	334700	334700	335700	335700	335700	335700	336700	
Tama	426800	427700	427700	428800	437200	437500	437500	437500	437500	437500	437900	437900	437900	439200	439200	439200	440500	440500	440500	440500	441700	
Taylor	332200	331100	331100	332300	332600	332700	332700	332700	332700	332700	333200	333200	333200	334200	334200	334200	335200	335200	335200	335200	336200	
Union	256300	255700	255700	257200	258400	259700	259700	259700	259700	259700	259700	259700	259700	260500	260400	260400	261200	261200	261200	261200	262000	
Van Buren	290200	290700	290700	291900	293500	296000	296000	296000	296000	296000	296500	296500	296500	297400	297400	297400	298300	298300	298300	298300	299200	
Wapello	245900	246100	246100	246700	248000	249300	249300	249300	249300	249300	249600	249600	249600	250300	250300	250300	251100	251100	251100	251100	251800	
Warren	325700	327100	327100	328900	330500	331500	331500	331500	331500	331500	334300	334300	334300	335300	335300	335300	336300	336300	336300	336300	337300	
Washington	339600	339700	339700	340500	341400	343200	343200	343200	343200	343200	344100	344100	344100	345100	345100	345100	346200	346200	346200	346200	347200	
Wayne	321400	321300	321300	322000	322700	322900	322900	322900	322900	322900	323800	323800	323800	324800	324800	324800	325700	325700	325700	325700	326700	
Webster	419600	419100	419100	420100	421500	422900	422900	422900	422900	422900	423900	423900	423900	425100	425200	425200	426400	426400	426400	426400	427700	
Winnebago	239600	239700	239700	240400	241000	241600	241600	241600	241600	241600	243300	243300	243300	244100	244000	244000	244800	244800	244800	244800	245500	
Winneshiek	416500	415700	415700	416800	418100	419200	419200	419200	419200	419200	419200	419200	419200	420500	420500	420500	421700	421700	421700	421700	423000	
Woodbury	504000	502700	502700	504200	508200	509800	509800	509800	509800	509800	510100	510100	510100	511600	511600	511600	513200	513200	513200	513200	514600	
Worth	240200	239700	239700	240500	241100	241900	241900	241900	241900	241900	242800	242800	242800	243500	243500	243500	244300	244300	244300	244300	245000	
Wright	353900	353400	353400	354100	355000	355300	355300	355300	355300	355300	355800	355800	355800	356900	356900	356900	357900	357900	357900	357900	358900	
State of Iowa	33200000		33300000		33500000		33500000		33500000		33600000		33700000		33700000		33800000		33800000		33900000	
	33200000	33200000		3400000		33500000		33500000		33600000		33600000		33700000		33800000		33800000		33800000		33900000

Table 3. Estimated Average Size (in acres) of Farms in Iowa Counties, 1976-1996.

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	403	393	389	385	382	382	378	374	366	363	353	346	343	340	331	331	329	323	317	314	313
Adams	399	392	392	388	383	383	383	378	372	378	368	368	363	364	354	354	355	350	341	337	338
Allamakee	347	341	338	336	334	337	337	337	334	343	337	334	334	332	326	318	319	313	311	306	295
Appanoose	336	328	324	321	319	319	319	319	319	322	325	325	322	323	312	302	294	294	291	280	270
Audubon	361	355	351	347	343	343	334	330	323	319	315	312	308	306	303	296	291	285	279	276	277
Benton	325	317	315	311	310	311	307	305	296	294	292	286	277	276	274	274	273	270	265	265	266
Black Hawk	277	272	269	268	264	264	257	251	239	236	234	232	232	231	226	226	225	222	220	213	205
Boone	365	357	353	350	348	345	338	331	325	319	321	312	304	297	289	287	285	280	272	265	260
Bremer	241	238	235	232	231	232	230	226	222	222	219	215	210	204	201	201	201	200	188	188	186
Buchanan	294	289	286	285	283	284	277	270	258	254	251	249	249	248	244	238	234	230	230	222	215
Buena Vista	372	364	360	357	354	355	348	335	325	314	306	301	298	297	292	285	283	283	276	276	273
Butler	294	289	287	286	282	282	277	275	269	267	263	256	249	243	238	235	235	234	234	229	224
Calhoun	402	392	392	389	385	385	373	365	358	347	338	326	317	302	299	299	300	297	290	290	291
Carroll	300	295	293	291	287	287	280	276	264	260	256	253	253	252	248	248	249	247	247	247	248
Cass	384	375	371	372	369	369	369	365	357	365	354	347	330	322	316	316	315	306	304	301	302
Cedar	320	314	312	307	305	306	303	300	293	293	289	284	275	268	265	265	264	260	253	253	254
Cerro Gordo	383	377	372	370	366	369	365	362	354	354	349	338	332	326	323	323	321	315	304	304	305
Cherokee	369	365	361	355	355	355	348	338	329	320	312	304	294	293	293	293	291	289	284	284	285
Chickasaw	297	289	286	284	284	283	283	283	277	283	277	275	270	262	255	255	256	254	252	252	244
Clarke	374	368	363	365	361	362	367	367	367	372	362	357	352	344	340	340	336	328	324	313	314
Clay	439	433	428	423	420	421	411	401	392	388	380	364	346	330	327	327	325	322	316	316	317
Clayton	272	267	264	263	261	261	264	267	267	274	272	272	272	271	267	258	256	253	253	243	236
Clinton	296	290	286	285	284	284	282	280	275	278	275	269	264	263	258	253	251	251	248	248	246
Crawford	353	344	342	340	335	336	333	331	323	323	317	306	298	295	289	286	287	285	281	266	267
Dallas	348	343	340	338	336	339	332	329	323	314	311	303	295	289	284	284	285	283	274	274	275
Davis	338	331	327	325	322	327	327	327	327	334	330	330	330	328	321	315	313	300	300	287	268
Decatur	456	450	443	439	434	433	433	439	439	445	433	428	428	423	418	413	414	404	399	385	373
Delaware	256	250	248	247	244	246	244	242	237	239	239	239	239	238	233	233	234	232	229	225	219
Des Moines	309	305	305	301	298	299	295	291	287	284	277	273	273	271	264	264	262	247	247	236	237
Dickinson	364	361	355	356	353	357	357	362	357	368	366	354	354	350	339	334	331	326	326	326	322
Dubuque	208	205	203	201	200	201	203	204	204	207	206	206	206	206	202	202	203	201	201	197	190
Emmet	404	397	397	391	386	388	388	388	381	388	382	370	354	340	336	326	327	323	319	319	316
Fayette	305	299	295	294	290	290	288	288	283	286	281	277	272	271	267	260	257	251	249	236	226

\*Preliminary estimates



Table 3. Estimated Average Size (in acres) of Farms in Iowa Counties, 1976-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	331	324	320	317	315	315	312	306	300	300	295	289	284	279	274	272	273	270	268	261	255
Franklin	375	366	362	360	357	357	354	350	344	347	341	332	320	310	304	304	303	298	286	286	287
Fremont	516	508	499	500	494	495	472	459	452	427	417	417	412	413	402	402	398	393	379	375	376
Greene	424	414	409	406	407	407	398	385	377	365	354	344	338	335	332	332	327	324	315	315	316
Grundy	380	370	366	367	364	364	344	329	319	298	295	287	282	280	273	270	269	267	256	250	250
Guthrie	359	351	348	345	343	343	350	357	357	371	361	347	337	329	326	326	327	324	316	311	309
Hamilton	407	397	392	389	385	385	373	361	351	337	331	325	316	306	301	296	291	284	273	273	272
Hancock	373	365	361	359	356	356	349	342	336	326	321	313	304	300	295	290	289	286	275	275	270
Hardin	355	348	344	342	339	339	333	330	324	321	316	310	299	290	285	285	284	279	273	271	272
Harrison	451	440	436	432	429	431	422	418	410	402	394	379	366	358	352	349	345	342	334	326	325
Henry	309	302	298	299	297	298	294	291	285	288	282	276	276	274	268	268	267	251	247	236	236
Howard	311	304	301	299	296	294	294	297	291	300	294	291	286	276	270	270	271	269	261	261	251
Humboldt	410	403	397	392	393	393	382	366	356	347	343	334	326	319	312	312	309	309	299	299	300
Ida	377	365	361	356	357	357	353	344	335	335	327	320	312	309	302	302	300	300	293	290	291
Iowa	347	343	340	337	335	337	337	334	328	334	328	322	320	318	309	307	305	303	300	300	299
Jackson	274	268	266	264	262	263	265	268	268	274	271	271	271	269	264	260	261	259	259	259	255
Jasper	322	320	315	312	311	316	311	307	300	296	293	287	283	279	274	274	273	271	263	262	262
Jefferson	326	318	314	312	310	312	316	320	320	332	325	317	306	297	290	287	285	265	262	250	239
Johnson	245	241	240	239	237	241	239	239	234	237	240	235	228	226	223	223	222	221	218	218	218
Jones	306	301	298	296	294	295	295	293	290	293	288	284	275	269	265	257	258	258	256	256	250
Keokuk	351	342	338	336	334	336	336	336	330	339	333	324	313	300	295	295	294	276	274	260	261
Kossuth	383	375	372	369	367	367	361	356	346	342	337	330	323	320	315	314	311	307	297	297	294
Lee	320	314	310	308	306	307	304	301	295	292	286	281	281	279	274	274	275	262	260	247	238
Linn	241	237	234	232	232	235	232	230	226	226	224	221	218	217	215	215	214	213	211	211	211
Louisa	384	382	376	371	373	374	368	368	363	363	359	348	343	334	330	330	326	301	297	283	284
Lucas	372	361	361	358	347	349	349	354	354	359	355	350	345	333	324	320	306	302	302	292	280
Lyon	312	303	301	299	297	297	295	293	286	288	282	275	267	262	258	257	257	256	256	256	255
Madison	327	321	318	316	314	313	316	319	319	322	313	310	307	303	295	290	280	277	275	265	258
Mahaska	303	299	293	292	290	292	292	292	287	289	288	283	281	279	275	273	274	259	258	245	241
Marion	280	275	273	271	270	271	269	266	266	264	262	259	255	252	248	248	247	230	227	219	219
Marshall	335	328	325	324	323	325	322	319	313	316	310	305	297	290	283	281	282	279	279	277	271
Mills	464	455	448	441	442	445	438	424	418	411	399	399	393	394	388	383	363	358	340	336	337
Mitchell	350	340	336	333	330	331	323	313	303	300	295	292	289	287	284	284	282	277	274	266	265

Table 3. Estimated Average Size (in acres) of Farms in Iowa Counties, 1976-1996 (continued).

County	1996*	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	504	491	485	481	476	476	476	476	465	481	479	463	458	454	445	436	424	424	404	404	405
Monroe	380	374	369	365	366	367	362	357	357	352	352	352	352	349	344	340	328	320	320	309	296
Montgomery	410	403	396	392	393	395	389	377	372	367	357	352	343	344	335	335	332	332	332	328	321
Muscatine	303	299	295	296	293	294	291	284	275	272	269	266	258	251	249	249	245	242	240	240	241
O'Brien	320	311	308	306	304	304	296	294	286	280	273	267	265	264	260	260	261	259	257	257	258
Osceola	345	335	330	331	327	327	327	327	319	327	320	312	301	294	291	291	292	288	288	288	286
Page	346	339	335	333	330	331	327	324	318	318	316	316	313	314	308	308	306	303	285	283	283
Palo Alto	402	393	388	385	386	387	383	375	367	367	356	349	345	343	336	333	328	328	319	219	317
Plymouth	328	319	318	315	312	313	310	308	301	301	295	292	286	285	282	281	280	278	276	276	274
Pocahontas	397	392	388	385	381	381	373	365	358	351	342	332	323	321	315	313	308	306	303	303	301
Polk	275	276	273	273	277	284	275	266	258	248	250	245	241	237	233	229	229	227	227	224	212
Pottawattamie	396	388	385	380	379	381	368	359	348	335	331	325	316	311	305	297	298	298	298	294	289
Poweshiek	348	341	337	335	333	334	334	334	327	337	331	325	316	315	306	304	302	300	295	288	284
Ringgold	460	453	447	443	437	438	450	462	462	475	463	456	450	440	423	418	414	395	390	377	374
Sac	374	366	362	363	360	361	354	347	337	333	326	317	311	310	307	307	308	308	300	300	301
Scott	261	256	253	252	250	253	251	245	240	240	237	232	225	220	216	216	215	213	205	205	206
Shelby	343	336	333	331	329	329	323	315	307	304	297	288	281	278	274	274	274	272	268	268	269
Sioux	242	236	234	232	231	230	229	229	225	228	226	224	223	224	220	220	220	219	214	214	215
Story	333	327	324	322	320	322	313	302	291	286	283	276	271	270	268	268	266	262	251	247	248
Tama	323	317	314	313	315	315	313	313	306	306	302	296	296	295	287	283	282	275	270	265	260
Taylor	426	414	414	410	406	406	411	416	416	427	417	406	392	380	371	356	353	349	346	342	333
Union	366	360	355	357	354	356	361	361	361	371	361	356	351	338	334	334	331	304	300	290	291
Van Buren	363	359	355	352	349	352	357	357	357	370	362	353	349	338	330	327	321	308	301	287	277
Wapello	307	300	300	297	295	297	293	283	277	274	268	263	263	261	258	245	246	241	241	230	203
Warren	265	260	258	257	254	255	255	253	253	251	249	246	244	241	238	238	237	229	227	220	220
Washington	312	306	303	301	299	301	298	296	286	291	284	280	280	278	274	274	270	258	256	244	245
Wayne	423	412	407	403	403	404	409	414	414	425	415	410	405	396	391	387	388	358	354	343	334
Webster	407	399	395	393	390	392	378	365	352	338	336	331	324	315	310	310	309	307	300	298	299
Winnebago	347	338	338	339	335	336	331	326	318	318	316	308	300	291	284	280	278	269	263	263	264
Winneshiek	264	258	255	253	252	253	253	253	248	253	248	247	247	246	240	236	236	232	228	226	219
Woodbury	382	372	370	365	366	367	367	367	362	372	364	352	340	324	320	314	315	313	309	302	289
Worth	338	333	328	325	326	327	331	341	341	356	352	333	319	304	301	293	291	284	281	281	278
Wright	442	431	426	427	418	418	413	404	395	395	387	379	367	353	350	347	344	334	328	325	312
State of Iowa	339	332	329	326	324	325	322	319	313	313	308	303	297	293	288	286	284	279	275	270	267

Figure 1. Number of farms in Iowa, 1976-1996.

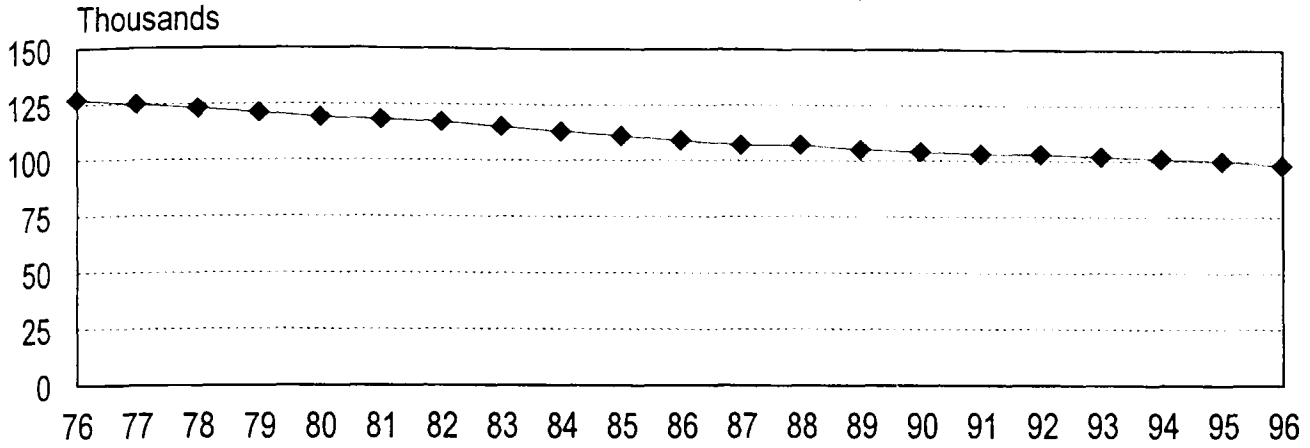


Figure 2. Average size (in acres) of farms in Iowa, 1976-1996.

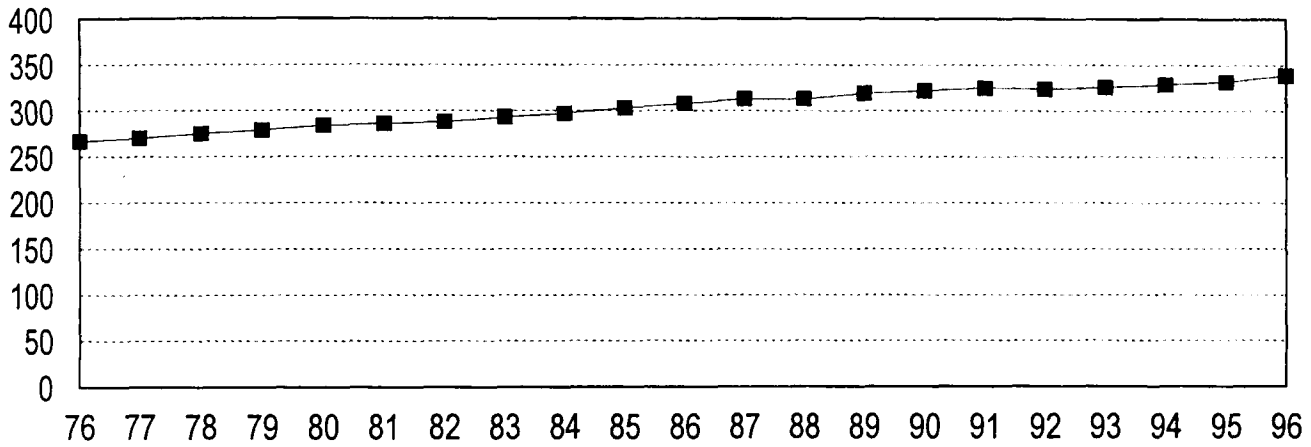


Figure 3. Average farm size (in acres), 1996.

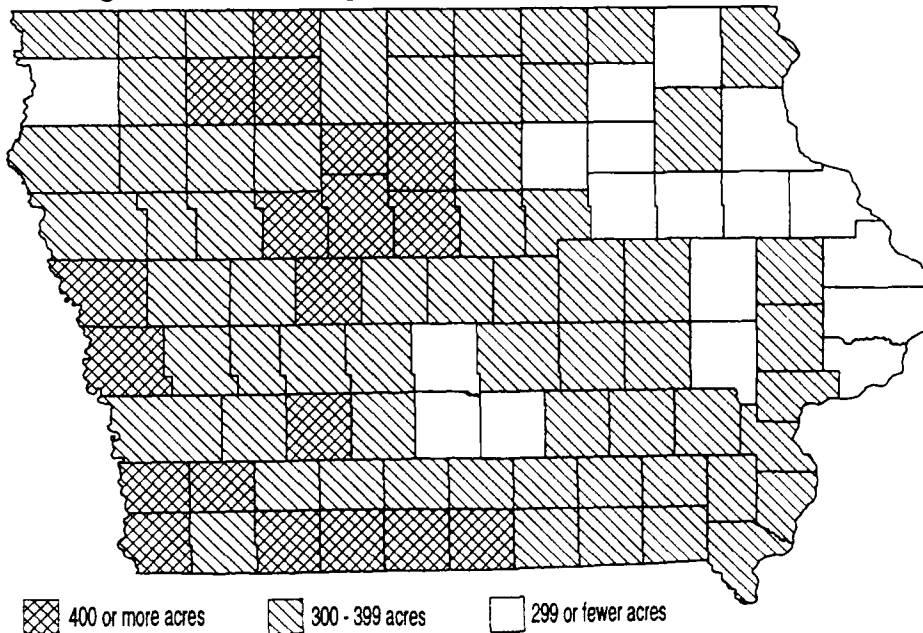


Table 4. Percentage Change in Number and Average Size (in Acres) of Farms in Iowa Counties, 1976-1996.

County	% Change in Number of Farms					% Change in Average Size (in Acres)				
	1976-1996	1991-1996	1986-1991	1981-1986	1976-1981	1976-1996	1991-1996	1986-1991	1981-1986	1976-1981
Adair	-23.5	-5.4	-7.9	-6.5	-6.1	28.6	5.4	8.2	6.6	5.8
Adams	-16.5	-4.3	-4.2	-4.0	-5.1	18.1	4.2	4.1	4.0	4.7
Allamakee	-17.2	-4.5	0.0	-5.9	-7.8	17.6	3.0	0.0	6.0	7.8
Appanoose	-21.3	-5.6	1.1	-7.3	-11.1	24.4	5.3	-1.8	7.6	11.9
Audubon	-23.8	-4.9	-8.0	-6.4	-6.9	30.2	5.1	8.9	6.4	6.9
Benton	-20.0	-5.0	-6.7	-6.3	-3.6	22.1	4.4	6.5	6.6	3.0
Black Hawk	-27.6	-5.2	-12.1	-3.6	-9.9	35.0	4.8	12.8	3.5	10.2
Boone	-30.5	-5.2	-8.6	-11.0	-9.9	40.3	5.7	7.5	11.8	10.4
Bremer	-24.8	-5.4	-5.9	-8.5	-7.8	29.7	4.0	5.9	9.0	8.1
Buchanan	-27.8	-4.1	-11.6	-5.5	-9.9	36.8	3.6	13.1	5.5	10.7
Buena Vista	-27.7	-5.1	-13.9	-7.3	-4.6	36.3	4.8	16.0	7.4	4.4
Butler	-25.2	-4.8	-6.7	-11.3	-5.0	31.4	4.4	7.2	11.9	4.9
Calhoun	-28.7	-4.4	-12.5	-11.9	-3.3	38.2	4.5	13.9	13.0	2.7
Carroll	-18.9	-4.9	-10.9	-3.5	-0.7	21.1	4.6	12.1	3.2	0.0
Cass	-22.4	-4.3	-4.1	-10.9	-5.2	27.2	4.1	4.2	12.0	4.6
Cedar	-22.1	-5.2	-5.7	-8.3	-5.0	26.2	4.7	5.9	9.1	4.3
Cerro Gordo	-23.2	-5.5	-6.2	-7.6	-6.3	25.6	3.8	5.7	8.0	5.9
Cherokee	-23.8	-4.0	-12.3	-6.6	-3.2	29.3	3.8	13.8	6.5	2.8
Chickasaw	-18.3	-4.6	-1.8	-8.3	-4.8	21.8	5.0	2.2	8.6	4.5
Clarke	-17.6	-4.1	0.0	-6.4	-8.2	19.2	3.4	0.0	6.5	8.3
Clay	-29.1	-4.9	-9.9	-14.2	-3.6	38.4	4.2	10.8	16.2	3.2
Clayton	-14.6	-4.5	4.1	-5.5	-9.0	15.4	4.3	-4.0	5.4	9.3
Clinton	-18.5	-4.9	-3.4	-8.0	-3.6	20.5	4.4	3.3	8.7	2.8
Crawford	-25.6	-5.3	-5.7	-10.3	-7.1	32.3	5.1	6.0	10.8	7.1
Dallas	-23.6	-4.9	-8.1	-9.0	-3.9	26.7	2.8	9.0	9.5	3.3
Davis	-22.2	-5.2	2.1	-5.1	-15.4	26.0	3.3	-0.9	4.8	17.5
Decatur	-19.3	-5.3	0.0	-5.1	-10.2	22.4	5.4	0.0	4.8	10.7
Delaware	-16.1	-4.9	-2.7	-2.7	-6.8	16.9	4.1	2.9	2.6	6.4
Des Moines	-24.7	-4.1	-7.6	-4.8	-10.8	30.4	3.4	7.9	4.9	11.4
Dickinson	-15.5	-4.8	1.6	-8.8	-4.2	13.0	1.9	-2.5	9.6	3.7
Dubuque	-10.8	-4.6	2.4	-2.3	-6.5	9.6	3.6	-2.4	2.0	6.3
Emmet	-23.4	-4.8	-1.6	-14.9	-3.9	27.9	4.2	1.6	17.2	3.2
Fayette	-26.9	-5.3	-3.2	-7.6	-13.7	35.1	5.3	3.2	8.1	15.0
Floyd	-24.2	-5.2	-6.8	-8.0	-6.7	29.8	5.0	6.8	8.5	6.7
Franklin	-24.6	-5.0	-4.8	-11.0	-6.3	30.5	4.9	4.7	12.2	5.9
Fremont	-28.6	-4.8	-16.0	-3.8	-7.1	37.1	4.1	18.7	3.7	6.9
Greene	-26.5	-4.6	-13.0	-6.5	-5.3	34.3	4.3	15.0	6.6	5.1
Grundy	-34.9	-4.7	-18.9	-8.6	-7.9	52.0	4.4	23.4	9.3	8.0
Guthrie	-15.1	-4.7	5.0	-9.8	-5.9	16.1	4.6	-5.0	10.7	5.5
Hamilton	-33.8	-5.5	-14.2	-10.9	-8.5	49.6	5.7	16.3	11.8	8.8
Hancock	-29.0	-5.1	-10.1	-9.9	-7.6	38.0	4.7	10.9	10.7	7.4
Hardin	-24.8	-4.9	-7.3	-9.8	-5.4	30.6	4.8	7.3	10.9	4.8
Harrison	-29.5	-5.1	-9.3	-11.5	-7.6	38.7	4.6	9.4	12.9	7.4
Henry	-25.0	-4.5	-5.4	-5.1	-12.5	31.0	3.7	5.7	5.2	13.6
Howard	-19.8	-5.1	0.0	-8.4	-7.8	23.9	5.8	0.0	8.9	7.6
Humboldt	-27.8	-4.4	-12.8	-9.3	-4.4	36.5	4.2	14.6	9.9	4.0
Ida	-23.7	-5.3	-8.5	-7.9	-4.3	29.4	5.5	9.2	8.3	3.8
Iowa	-16.4	-4.7	-2.7	-6.8	-3.3	16.1	3.0	2.7	6.8	2.7
Jackson	-8.7	-4.9	2.9	-4.1	-2.7	7.3	4.0	-3.0	4.2	2.0
Jasper	-21.3	-4.3	-7.3	-6.8	-4.7	22.9	1.9	7.8	6.9	4.6

Table 4. Percentage Change in Number and Average Size (in Acres) of Farms in Iowa Counties, 1976-1996  
(continued).

County	% Change in Number of Farms					% Change in Average Size (in Acres)				
	1976- 1996	1991- 1996	1986- 1991	1981- 1986	1976- 1981	1976- 1996	1991- 1996	1986- 1991	1981- 1986	1976- 1981
Jefferson	-28.8	-6.0	3.7	-12.0	-17.1	36.3	4.4	-4.0	13.2	20.1
Johnson	-16.7	-5.1	-2.8	-7.2	-2.6	12.2	1.5	0.4	7.6	2.3
Jones	-19.9	-4.2	-2.5	-11.0	-3.5	22.5	3.8	2.4	12.1	2.8
Keokuk	-26.8	-4.7	-0.9	-11.6	-12.3	34.4	4.4	0.9	12.9	13.0
Kossuth	-24.3	-4.3	-8.4	-7.3	-6.8	30.1	4.2	8.9	7.3	6.8
Lee	-27.2	-5.2	-6.8	-4.6	-13.6	34.6	4.3	7.3	4.4	15.1
Linn	-15.6	-4.8	-5.2	-4.4	-2.2	14.0	2.3	4.9	4.2	1.9
Louisa	-28.9	-4.8	-4.6	-8.5	-14.5	35.2	2.7	4.2	8.8	16.2
Lucas	-26.1	-5.6	0.0	-10.0	-13.0	32.9	6.6	-1.7	10.9	14.3
Lyon	-19.4	-4.9	-5.4	-9.2	-1.4	22.2	5.0	5.3	9.7	0.8
Madison	-22.1	-4.5	0.0	-7.5	-11.8	26.9	4.6	0.0	7.9	12.4
Mahaska	-23.1	-5.0	-2.5	-5.4	-12.2	25.8	3.8	1.4	5.5	13.3
Marion	-24.6	-4.5	-5.1	-5.6	-12.0	28.0	3.5	3.4	5.6	13.2
Marshall	-21.1	-4.7	-4.5	-9.8	-3.9	23.6	3.1	4.8	10.3	3.7
Mills	-28.7	-5.0	-10.4	-4.3	-12.5	37.5	4.2	11.5	4.2	13.6
Mitchell	-25.5	-5.7	-11.2	-3.9	-7.3	31.9	5.6	12.2	3.9	7.2
Monona	-21.0	-5.7	0.0	-9.3	-7.6	24.4	5.9	-0.6	9.9	7.7
Monroe	-23.3	-4.2	-4.0	-3.8	-13.3	28.2	3.4	4.3	3.5	14.9
Montgomery	-23.2	-4.5	-9.6	-6.4	-4.9	27.7	3.8	10.6	6.6	4.4
Muscatine	-22.9	-4.7	-8.6	-7.9	-3.8	25.9	3.2	9.3	8.0	3.3
O'Brien	-20.3	-5.2	-10.1	-5.1	-1.4	23.9	5.2	11.4	5.0	0.8
Osceola	-18.4	-5.3	-2.6	-9.4	-2.3	20.5	5.4	2.2	10.0	1.7
Page	-19.7	-5.1	-4.8	-2.8	-8.5	22.2	4.5	4.7	2.6	8.8
Palo Alto	-22.5	-4.4	-8.2	-6.7	-5.4	26.8	3.8	8.7	6.9	5.0
Plymouth	-18.3	-5.3	-6.1	-5.2	-3.0	19.5	4.6	6.1	5.0	2.6
Pocahontas	-25.2	-4.3	-10.6	-8.8	-4.2	32.0	4.3	11.4	9.3	4.0
Polk	-31.5	-4.5	-14.4	-8.8	-8.1	29.7	-3.1	13.6	9.2	8.0
Pottawattamie	-28.6	-4.8	-13.5	-10.5	-3.1	37.0	3.9	15.1	11.4	2.8
Poweshiek	-19.7	-4.7	-0.9	-8.5	-7.1	22.5	4.2	0.9	8.9	7.0
Ringgold	-19.8	-5.2	5.5	-9.9	-11.0	23.1	5.1	-5.4	10.8	11.8
Sac	-21.0	-4.1	-10.1	-6.0	-2.5	24.3	3.6	10.7	6.2	2.0
Scott	-23.9	-5.3	-6.9	-9.0	-5.1	26.7	3.2	6.8	9.7	4.9
Shelby	-22.6	-4.5	-9.8	-8.2	-2.2	27.5	4.2	10.8	8.4	1.9
Sioux	-12.3	-4.9	-1.9	-2.8	-3.2	12.4	5.0	1.8	2.7	2.3
Story	-27.9	-4.9	-12.7	-5.6	-8.1	34.5	3.6	13.8	5.6	8.1
Tama	-22.4	-5.0	-4.1	-6.5	-8.8	24.4	2.6	4.3	6.7	8.8
Taylor	-22.8	-4.9	2.5	-14.9	-6.9	27.9	4.9	-2.6	17.1	6.9
Union	-22.2	-4.1	1.4	-7.7	-13.3	25.8	2.8	-1.4	8.1	14.8
Van Buren	-25.9	-4.8	2.4	-9.9	-15.7	31.0	3.1	-2.8	10.7	18.1
Wapello	-35.5	-4.8	-9.7	-8.8	-17.7	51.4	3.5	10.8	9.4	20.7
Warren	-19.6	-5.4	-3.0	-5.0	-7.8	20.4	3.8	2.4	4.6	8.2
Washington	-23.2	-4.4	-5.8	-4.0	-11.3	27.2	3.5	6.0	3.6	11.8
Wayne	-20.0	-5.0	2.6	-7.1	-11.6	26.6	4.7	-2.7	7.2	15.9
Webster	-28.0	-4.6	-14.3	-8.0	-4.2	36.2	3.9	16.7	8.4	3.7
Winnebago	-25.8	-4.2	-6.5	-11.5	-6.5	31.5	3.3	6.3	12.9	6.1
Winneshiek	-18.1	-4.8	-1.8	-5.1	-7.8	20.4	4.2	2.0	5.1	7.8
Woodbury	-25.8	-5.0	-0.7	-14.1	-8.4	32.1	4.0	0.8	15.9	8.7
Worth	-19.3	-4.1	7.2	-16.9	-5.7	21.7	3.5	-7.1	20.1	5.4
Wright	-30.4	-5.9	-7.6	-10.7	-10.4	41.8	5.8	8.0	11.5	11.2
State of Iowa	-22.8	-4.9	-5.5	-7.6	-7.1	27.0	4.3	5.5	7.7	7.1

### **Change in Acreage**

The decline of 700,000 acres in the 1976-1996 period did not occur evenly throughout the period. About 200,000 acres were lost in the late 1970s (1976-1981), while declines of 100,000 acres occurred in the early (1981-1986) and late (1986-1991) 1980s. Then an estimated 300,000 acre drop took place in the early 1990s (1991-1996).

Nor were declines even across the state. Fifteen counties—most in or near urban areas—noted decreases of at least 10,000 acres between 1976 and 1996. Johnson (-22,700) and Polk (-28,500) were down considerably more than others. In percentage terms, Johnson was estimated to have lost 6.7 percent of its acres and Polk 10.9 percent across the 21 years. In 63 counties, less than 2.0 percent fewer acres were reported in 1996 than in 1976. Caution is urged in comparing data for one year with that for another, however; these estimates are not revised annually as is evident when Table 2 is reviewed.

### **Change in Size of Farms**

As the number of farms has declined, the average size has increased (Table 3). This occurred in all counties from 1976 to 1996. Only seven counties (Clayton, Delaware, Dubuque, Jackson, Johnson, Linn, Sioux) gained fewer than 40 acres, while seven others (Clay, Fremont, Grundy, Hamilton, Harrison, Mills, Wright) added at least 120 acres to the average size between 1976 and 1996. On a short-term basis, of course, changes tend to be small. From 1991 to 1996, for example, 22 counties changed by 10 or fewer acres in average size.

Average farm size increased by 27.0 percent from 1976 to 1996 (Table 4). In Grundy and Wapello, increases were greater than 50 percent, while they were less than 10 percent in Dubuque and Jackson. In contrast to those extreme situations, 50 counties had gains in average farm size within five points of the figure for the state. Percentage gains for 35 counties were highest in the early 1980s, although increases in the late 1970s were greater in 32 counties. Gains were greatest in 31 counties in the late 1980s, while only in Sioux did the average size of farms increase most in the early 1990s among the periods examined.

## Value of Farm Land in Iowa's Counties:

### 1950-1996

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A survey of the value of farm land is conducted annually under the auspices of the Iowa Agriculture and Home Economics Experiment Station at Iowa State University. Data are obtained from licensed real estate brokers, farm managers, rural appraisers, and selected others considered to be knowledgeable of land market conditions. Approximately 1,100 surveys are mailed each year; normally, 500-600 are completed. These data are used to estimate a state average and figures for regions in the state. County estimates are derived from these figures through a procedure that combines survey data with information obtained from the U.S. Census of Agriculture. The target date for which information is requested is November 1st each year. Caution is urged in examining the farm land value figures. These numbers are not exact; rather, they provide information on trends that are occurring in the land market.

Average farm land values increased from \$218 in 1950 to \$261 in 1960 and \$419 in 1970 (Table 1). Rapid gains occurred in the 1970s; the average was \$2,066 per acre in Iowa in 1980. After a slight increase from 1980 to 1981, the value fell to \$787 in 1986. Since that point, an acre of farm land in Iowa has increased steadily again to an average value of \$1,682 in 1996 (Figure 1).

The value of an acre of farm land varies considerably across Iowa. In 1996, for example, the value was less than \$1,000 in 11 counties, 10 of which were clustered in southern Iowa. In contrast, 29 counties averaged \$2,000 or more (Figure 3); six (Hamilton, O'Brien, Scott, Story, Webster, Wright) were above \$2,300, with Scott (\$2,735) substantially higher than the others. In 1950, when the average statewide was \$218 per acre, 14 counties were below \$150 while five were above \$300.

In percentage terms, the value of farm land in Iowa increased at a moderate rate in the 1950s (+19.7%), escalated in the 1960s (+60.5%), and rocketed upward in the 1970s (+393.1%), only to fall between 1980 and 1990 (-41.2%) (Table 2). That pattern was repeated in the counties, although the gains and declines were sharper in some than in others. In the 1950s, for example, the value of an average acre of farm land increased by less than 10 percent in 16 counties, while gains of at least 30 percent occurred in 15 others.

In the decade of great gain (the 1970s), farm land jumped in value by at least 450 percent in seven counties (Chickasaw, Floyd, Franklin, Hancock, Kossuth, Winnebago, Worth), most of which are in north-central Iowa. Although all counties gained by at least 300 percent, 20 increased by less than 350 percent. In contrast, all counties had lower farm land values in 1990 than in 1980. Nine (Cerro Gordo, Floyd, Fremont, Lee, Mills, Mitchell, Montgomery, Page, Worth) had percentage declines at least five points greater than that for the state (-41.2%). Five (Dickinson, Jefferson, Keokuk, Monona, Washington) had percentage declines in the 1980s that were five or more points less than that for Iowa.

Inflation affects the changes reported in Tables 1 and 2. When farm land values are adjusted for inflation, the relatively small difference between the 1950 (\$1,388) and 1996 (\$1,682) figures is striking (Table 3, Figure 2). In 42 counties, the value of farm land was lower in 1990 than it was in 1950 after inflation is taken into account. The great percentage increase in the 1970s remains high even after the effects of inflation was incorporated (Table 4), although it is substantially smaller than when inflation was not controlled (Table 2). Positive changes in the 1960s and from 1990 to 1996 also are muted when

Table 1. Value (in \$s per acre) of Farm Land in Iowa Counties, 1950-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	1046	937	850	807	775	753	734	674	619	557	507	606	833	1035	1176	1367	1335	308	168	152
Adams	1070	957	884	832	800	781	769	715	667	578	519	612	835	1047	1156	1372	1312	291	170	159
Allamakee	968	854	813	732	749	735	770	697	611	532	483	592	856	1062	1143	1300	1227	233	145	115
Appanoose	714	615	568	560	556	526	502	455	423	373	351	421	581	747	891	1007	906	206	108	97
Audubon	1647	1441	1378	1275	1255	1222	1217	1149	1072	850	751	851	1164	1525	1608	1965	1937	394	249	227
Benton	2023	1693	1566	1464	1450	1416	1415	1316	1199	1004	915	1121	1649	1988	2101	2479	2404	506	323	268
Black Hawk	2128	1792	1654	1586	1532	1501	1515	1420	1330	1095	1010	1258	1867	2280	2432	2918	2812	553	347	257
Boone	2260	1858	1727	1590	1577	1540	1553	1435	1340	1094	987	1174	1762	2159	2272	2685	2592	545	341	283
Bremer	1814	1562	1451	1358	1322	1298	1324	1235	1108	931	861	1082	1588	1934	2078	2463	2259	420	267	193
Buchanan	1840	1576	1460	1382	1342	1317	1336	1248	1132	953	883	1112	1629	1949	2091	2479	2269	419	255	190
Buena Vista	2171	1861	1760	1695	1675	1648	1649	1576	1470	1129	974	1099	1590	2202	2257	2773	2738	522	355	311
Butler	1943	1646	1524	1447	1393	1371	1385	1309	1239	1013	921	1143	1696	2083	2217	2680	2566	478	304	231
Calhoun	2258	1881	1758	1724	1707	1672	1682	1572	1414	1132	1006	1179	1752	2266	2366	2833	2805	568	365	309
Carroll	1950	1665	1579	1571	1567	1529	1523	1439	1320	1014	891	994	1415	1962	2014	2450	2425	473	314	288
Cass	1406	1260	1169	1081	1040	1017	1006	939	873	748	668	782	1066	1341	1463	1751	1731	379	221	206
Cedar	2196	1906	1738	1645	1595	1560	1504	1418	1289	1184	1105	1443	2010	2273	2425	2792	2612	565	365	281
Cerro Gordo	2001	1709	1587	1503	1438	1421	1437	1372	1307	1063	957	1192	1764	2203	2342	2857	2735	503	312	230
Cherokee	1863	1606	1532	1451	1445	1409	1402	1329	1243	950	832	922	1290	1813	1862	2280	2309	452	295	260
Chickasaw	1476	1272	1183	1106	1079	1060	1082	1008	920	774	715	898	1317	1605	1725	2042	1876	341	207	159
Clarke	830	723	664	656	644	614	591	538	482	429	399	478	659	831	977	1114	1059	257	143	123
Clay	2020	1732	1638	1564	1546	1521	1521	1454	1348	1035	893	1007	1456	2002	2051	2519	2478	464	307	260
Clayton	1282	1131	1077	928	949	932	976	884	765	666	604	741	1072	1355	1458	1659	1583	328	216	169
Clinton	1739	1495	1374	1315	1292	1270	1246	1162	1073	985	918	1193	1673	1909	2050	2331	2163	428	265	204
Crawford	1656	1435	1378	1309	1299	1265	1260	1194	1124	868	763	852	1176	1601	1663	2041	2027	396	259	242
Dallas	1816	1523	1419	1296	1278	1248	1253	1161	1041	854	768	909	1332	1658	1757	2087	2061	429	266	236
Davis	915	814	751	694	680	648	627	579	544	475	440	536	746	917	1035	1202	1100	242	138	121
Decatur	677	583	538	540	536	507	485	439	392	347	326	391	540	684	817	922	837	197	113	99
Delaware	1869	1630	1531	1417	1421	1395	1432	1314	1194	1043	957	1195	1722	2077	2234	2565	2347	445	265	195
Des Moines	1605	1458	1345	1252	1219	1167	1137	1064	985	854	781	964	1349	1634	1763	2095	2007	445	257	197
Dickinson	1836	1573	1489	1434	1434	1400	1392	1319	1202	908	793	869	1236	1795	1823	2225	2139	396	256	230
Dubuque	1624	1428	1354	1251	1272	1250	1298	1180	1054	924	841	1040	1498	1867	2008	2285	2175	406	245	181
Emmet	2122	1819	1720	1612	1593	1567	1568	1499	1387	1065	919	1037	1500	2026	2076	2551	2486	454	294	246
Euette	1623	1414	1330	1235	1232	1209	1250	1149	1046	895	820	1018	1483	1845	1984	2304	2133	391	231	168



Table 1. Value (in \$s per acre) of Farm Land in Iowa Counties, 1950-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1769	1507	1387	1311	1250	1227	1238	1169	1119	924	862	1096	1618	1949	2093	2527	2387	351	278	202
Franklin	2092	1784	1672	1583	1522	1512	1532	1473	1389	1113	965	1167	1736	2198	2308	2837	2788	502	318	251
Fremont	1361	1239	1117	1076	1019	1000	983	909	839	760	683	816	1118	1370	1522	1793	1835	407	233	216
Greene	1964	1639	1536	1502	1492	1456	1462	1362	1244	995	890	1037	1526	1987	2077	2479	2444	514	324	279
Grundy	2294	1905	1766	1660	1628	1592	1606	1493	1403	1149	1047	1272	1899	2339	2477	2947	2833	562	346	270
Guthrie	1516	1306	1244	1130	1112	1084	1084	1017	939	754	671	775	1084	1373	1455	1763	1738	354	217	197
Hamilton	2429	2026	1892	1758	1727	1699	1717	1614	1498	1211	1068	1272	1904	2388	2505	3013	2900	566	351	295
Hancock	2086	1787	1673	1571	1508	1499	1519	1464	1375	1105	962	1173	1740	2209	2326	2865	2778	504	315	242
Hardin	2203	1838	1716	1616	1587	1562	1578	1484	1395	1127	994	1184	1772	2199	2306	2775	2688	512	320	265
Harrison	1427	1265	1196	1090	1060	1033	1026	964	882	728	647	748	1016	1298	1399	1694	1657	350	212	202
Henry	1545	1404	1295	1208	1176	1126	1098	1027	932	808	738	911	1276	1518	1638	1947	1830	410	254	205
Howard	1316	1134	1055	976	952	935	955	889	803	676	625	784	1150	1412	1517	1796	1645	305	191	149
Humboldt	2294	1940	1820	1709	1662	1648	1669	1595	1510	1208	1042	1243	1855	2399	2509	3069	3048	582	364	297
Ida	1855	1609	1547	1456	1443	1405	1401	1327	1247	965	848	949	1307	1770	1842	2262	2278	462	294	260
Iowa	1674	1475	1365	1258	1230	1189	1179	1103	1013	855	773	947	1364	1609	1684	2018	1953	430	283	242
Jackson	1449	1260	1176	1107	1107	1088	1099	1012	940	843	776	983	1398	1670	1795	2041	1912	369	222	168
Jasper	1726	1536	1420	1319	1288	1242	1225	1146	1078	916	831	1021	1458	1720	1816	2171	2060	447	285	242
Jefferson	1189	1080	997	927	903	864	842	789	700	606	554	684	958	1107	1195	1420	1303	288	177	154
Johnson	2059	1849	1697	1544	1496	1449	1409	1329	1228	1089	1000	1275	1783	2039	2148	2539	2365	510	324	260
Jones	1644	1416	1305	1224	1206	1185	1170	1088	980	895	832	1076	1513	1732	1860	2116	1985	395	253	200
Keokuk	1439	1329	1226	1168	1131	1087	1065	1005	885	763	691	861	1210	1380	1438	1740	1611	360	241	211
Kossuth	2213	1899	1792	1650	1594	1590	1612	1563	1447	1143	966	1146	1700	2206	2296	2852	2804	499	322	262
Lee	1376	1222	1128	1036	1016	968	936	865	814	711	657	802	1116	1396	1577	1831	1740	391	223	177
Linn	2136	1834	1678	1579	1537	1506	1465	1375	1254	1135	1056	1367	1923	2203	2351	2710	2492	510	323	261
Louisa	1831	1642	1506	1447	1402	1358	1320	1246	1108	984	904	1153	1612	1842	1942	2293	2108	445	270	218
Lucas	764	658	608	612	607	574	549	497	459	406	382	457	632	787	939	1061	980	229	126	110
Lyon	1827	1565	1482	1437	1437	1403	1395	1322	1235	933	814	892	1270	1869	1897	2316	2325	447	296	265
Madison	1257	1113	1013	983	946	921	905	834	718	637	577	689	960	1193	1333	1559	1482	327	181	167
Mahaska	1457	1324	1222	1153	1122	1075	1047	979	859	745	681	841	1177	1401	1512	1797	1689	386	240	205
Marion	1354	1200	1108	1058	1039	989	955	881	808	706	654	797	1108	1363	1545	1790	1695	390	224	186
Marshall	1906	1623	1505	1410	1388	1349	1349	1254	1170	971	877	1059	1557	1865	1957	2329	2232	473	303	260
Mills	1431	1302	1174	1091	1033	1014	997	922	862	781	702	838	1148	1438	1598	1881	1884	418	234	220
Mitchell	1683	1434	1319	1250	1191	1169	1180	1114	1057	888	829	1054	1555	1889	2028	2449	2319	426	265	191

Table 1. Value (in \$s per acre) of Farm Land in Iowa Counties, 1950-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1371	1198	1162	1065	1050	1020	1019	965	912	715	632	715	966	1233	1302	1605	1560	320	198	186
Monroe	920	821	758	715	701	668	647	599	530	462	427	522	727	879	982	1146	1062	240	146	130
Montgomery	1259	1146	1034	993	940	922	907	838	789	716	643	768	1052	1318	1464	1724	1751	411	232	221
Muscatine	2007	1755	1603	1498	1452	1417	1369	1290	1169	1065	990	1287	1793	2052	2183	2528	2311	493	307	244
O'Brien	2303	1973	1868	1807	1808	1766	1755	1663	1555	1175	1026	1124	1599	2310	2345	2863	2810	523	346	302
Osceola	2005	1717	1627	1578	1579	1542	1532	1452	1357	1025	895	981	1396	2011	2042	2493	2475	464	302	263
Page	1120	1020	919	887	840	824	811	749	706	640	575	687	941	1220	1355	1595	1626	392	226	216
Palo Alto	2042	1752	1655	1540	1503	1490	1501	1446	1333	1040	887	1029	1510	1968	2033	2514	2511	465	303	249
Plymouth	1888	1638	1576	1415	1404	1367	1362	1290	1224	947	833	932	1283	1736	1806	2218	2254	459	288	253
Pocahontas	2224	1893	1781	1684	1641	1627	1644	1577	1464	1159	995	1173	1738	2272	2364	2905	2891	560	373	311
Polk	1916	1612	1495	1427	1410	1369	1367	1265	1177	977	886	1063	1565	1967	2097	2473	2400	513	312	270
Pottawattamie	1490	1339	1236	1138	1093	1069	1057	984	909	786	702	825	1126	1433	1568	1872	1848	410	238	224
Poweshiek	1674	1483	1371	1258	1228	1187	1175	1101	1027	868	785	963	1385	1620	1695	2033	1959	425	268	240
Ringgold	786	692	633	626	610	586	566	517	471	420	388	465	640	806	937	1075	1001	240	137	127
Sac	2035	1738	1648	1639	1635	1595	1589	1501	1377	1058	930	1037	1476	2052	2107	2564	2543	496	327	294
Scott	2735	2332	2119	2017	1956	1923	1845	1739	1566	1463	1376	1820	2528	2856	3064	3484	3207	664	423	330
Shelby	1546	1369	1298	1186	1156	1126	1120	1052	996	816	725	835	1133	1486	1595	1937	1980	430	261	236
Sioux	2050	1766	1685	1562	1556	1517	1510	1431	1346	1028	900	996	1396	1966	2018	2470	2506	503	324	287
Story	2328	1928	1792	1654	1638	1598	1608	1488	1379	1129	1019	1216	1818	2239	2355	2788	2691	552	339	282
Tama	1833	1549	1436	1330	1306	1272	1275	1186	1105	913	828	1004	1483	1806	1903	2266	2192	456	290	245
Taylor	901	806	732	712	685	664	647	594	544	489	446	533	732	910	1037	1203	1161	279	159	147
Union	955	840	768	751	732	702	678	619	566	505	466	558	769	978	1138	1304	1255	309	172	149
Van Buren	1027	915	844	773	758	723	699	647	598	522	483	589	821	993	1117	1300	1202	274	156	135
Wapello	1080	983	907	833	811	777	757	708	632	548	500	618	865	1021	1101	1309	1218	268	167	147
Warren	1370	1175	1083	1050	1035	992	966	882	793	688	636	761	1072	1384	1584	1820	1667	384	213	181
Washington	1882	1737	1603	1501	1454	1397	1368	1291	1151	992	899	1120	1574	1785	1860	2251	2079	466	314	261
Wayne	751	646	597	607	602	570	544	493	454	401	377	452	624	800	955	1079	976	225	124	110
Webster	2379	1983	1852	1721	1691	1664	1681	1580	1460	1180	1041	1240	1856	2354	2470	2969	2878	571	357	294
Winnebago	1905	1632	1527	1446	1389	1380	1399	1347	1246	1001	872	1063	1578	2020	2126	2619	2574	454	282	221
Winneshiak	1298	1131	1064	976	974	956	989	908	820	701	642	797	1161	1444	1553	1803	1670	318	199	156
Woodbury	1517	1324	1282	1168	1153	1121	1119	1060	1002	783	691	781	1059	1390	1463	1802	1759	350	224	209
Worth	1854	1584	1471	1402	1341	1325	1340	1279	1187	966	871	1084	1604	1998	2124	2590	2503	444	275	207
Wright	2380	2014	1890	1763	1714	1700	1722	1646	1529	1224	1055	1259	1878	2401	2511	3072	2921	554	348	292
State of Iowa	1682	1455	1356	1295	1249	1219	1214	1139	1054	875	787	948	1357	1691	1801	2147	2066	419	261	218

Table 2. Percentage Change in Per Acre Value of Farm Land by Selected Periods in Iowa Counties, 1950-1996.

County	1990- 1996	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1996	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	42.5	-45.0	333.4	83.3	10.5	Jefferson	41.2	-35.4	352.4	62.7	14.9
Adams	39.1	-41.4	350.9	71.2	6.9	Johnson	46.1	-40.4	363.7	57.4	24.6
Allamakee	25.7	-37.5	426.6	60.7	26.1	Jones	40.5	-41.1	402.5	56.1	26.5
Appanoose	42.2	-44.6	339.8	90.7	11.3	Keokuk	35.1	-33.9	347.5	49.4	14.2
Audubon	35.3	-37.2	391.6	58.2	9.7	Kossuth	37.3	-42.5	461.9	55.0	22.9
Benton	43.0	-41.1	375.1	56.7	20.5	Lee	47.0	-46.2	345.0	75.3	26.0
Black Hawk	40.5	-46.1	408.5	59.4	35.0	Linn	45.8	-41.2	388.6	57.9	23.8
Boone	45.5	-40.1	375.6	59.8	20.5	Louisa	38.7	-37.4	373.7	64.8	23.8
Bremer	37.0	-41.4	437.9	57.3	38.3	Lucas	39.2	-44.0	328.0	81.8	14.6
Buchanan	37.7	-41.1	441.5	64.3	34.2	Lyon	31.0	-40.0	420.1	51.0	11.7
Buena Vista	31.7	-39.7	424.5	47.0	14.2	Madison	38.9	-38.9	353.2	80.7	8.4
Butler	40.3	-46.0	436.8	57.2	31.6	Mahaska	39.2	-38.0	337.6	60.8	17.1
Calhoun	34.2	-40.0	393.8	55.6	18.1	Marion	41.8	-43.7	334.6	74.1	20.4
Carroll	28.0	-37.2	412.7	50.6	9.0	Marshall	41.3	-39.6	371.9	56.1	16.5
Cass	39.8	-41.9	356.7	71.5	7.3	Mills	43.5	-47.1	350.7	78.6	6.4
Cedar	46.0	-42.4	362.3	54.8	29.9	Mitchell	42.6	-49.1	444.4	60.8	38.7
Cerro Gordo	39.2	-47.5	443.7	61.2	35.6	Monona	34.5	-34.7	387.5	61.6	6.4
Cherokee	32.9	-39.3	410.8	53.2	13.5	Monroe	42.2	-39.1	342.5	64.4	12.3
Chickasaw	36.4	-42.3	450.2	64.7	30.2	Montgomery	38.8	-48.2	326.0	77.2	5.0
Clarke	40.4	-44.2	312.1	79.7	16.3	Muscatine	46.6	-40.8	368.8	60.6	25.8
Clay	32.8	-38.6	434.0	51.1	18.1	O'Brien	31.2	-37.5	437.3	51.2	14.6
Clayton	31.4	-38.3	382.6	51.8	27.8	Osceola	30.9	-38.1	433.4	53.6	14.8
Clinton	39.6	-42.4	405.4	61.5	29.9	Page	38.1	-50.1	314.8	73.4	4.6
Crawford	31.4	-37.8	411.9	52.9	7.0	Palo Alto	36.0	-40.2	440.0	53.5	21.7
Dallas	44.9	-39.2	380.4	61.3	12.7	Plymouth	38.6	-39.6	391.1	59.4	13.8
Davis	45.9	-43.0	354.6	75.4	14.0	Pocahontas	35.3	-43.1	416.2	50.1	19.9
Decatur	39.6	-42.0	324.9	74.3	14.1	Polk	40.2	-43.0	367.8	64.4	15.6
Delaware	30.5	-39.0	427.4	67.9	35.9	Pottawattamie	41.0	-42.8	350.7	72.3	6.2
Des Moines	41.2	-43.4	351.0	73.2	30.5	Poweshiek	42.5	-40.0	360.9	58.6	11.7
Dickinson	31.9	-34.9	440.2	54.7	11.3	Ringgold	38.9	-43.5	317.1	75.2	7.9
Dubuque	25.1	-40.3	435.7	65.7	35.4	Sac	28.1	-37.5	412.7	51.7	11.2
Emmet	35.3	-36.9	447.6	54.4	19.5	Scott	48.2	-42.5	383.0	57.0	28.2
Fayette	29.8	-41.4	445.5	69.3	37.5	Shelby	38.0	-43.4	360.5	64.8	10.6
Floyd	42.9	-48.1	580.1	26.3	37.6	Sioux	35.8	-39.7	398.2	55.2	12.9
Franklin	36.6	-45.0	455.4	57.9	26.7	Story	44.8	-40.2	387.5	62.8	20.2
Fremont	38.5	-46.4	350.9	74.7	7.9	Tama	43.8	-41.8	380.7	57.2	18.4
Greene	34.3	-40.2	375.5	58.6	16.1	Taylor	39.3	-44.3	316.1	75.5	8.2
Grundy	42.8	-43.3	404.1	62.4	28.2	Union	40.9	-46.0	306.2	79.6	15.4
Guthrie	39.9	-37.6	391.0	63.1	10.2	Van Buren	46.9	-41.8	338.7	75.6	15.6
Hamilton	41.5	-40.8	412.4	61.2	19.0	Wapello	42.7	-37.8	354.5	60.5	13.6
Hancock	37.3	-45.3	451.2	60.0	30.2	Warren	41.8	-42.0	334.1	80.3	17.7
Hardin	39.6	-41.3	425.0	60.0	20.8	Washington	37.6	-34.2	346.1	48.4	20.3
Harrison	39.1	-38.1	373.4	65.1	5.0	Wayne	38.1	-44.3	333.8	81.4	12.7
Henry	40.7	-40.0	346.3	61.4	23.9	Webster	41.5	-41.6	404.0	59.9	21.4
Howard	37.8	-42.0	439.3	59.7	28.2	Winnebago	36.2	-45.6	467.0	61.0	27.6
Humboldt	37.4	-45.2	423.7	59.9	22.6	Winneshiek	31.2	-40.8	425.2	59.8	27.6
Ida	32.4	-38.5	393.1	57.1	13.1	Woodbury	35.6	-36.4	402.6	56.2	7.2
Iowa	42.0	-39.6	354.2	51.9	16.9	Worth	38.4	-46.5	463.7	61.4	32.8
Jackson	31.8	-42.5	418.2	66.2	32.1	Wright	38.2	-41.0	427.3	59.2	19.2
Jasper	40.9	-40.5	360.8	56.8	17.8						
						State of Iowa	38.6	-41.2	393.1	60.5	19.7

Table 3. Adjusted Value (in 1996 \$s per acre) of Farm Land in Iowa Counties, 1950-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	1046	964	900	876	865	864	877	847	816	763	720	874	1243	1598	1871	2305	2481	1216	871	968
Adams	1070	985	936	903	893	897	918	899	879	792	737	882	1246	1616	1839	2313	2439	1149	881	1012
Allamakee	968	879	860	794	836	844	920	876	805	729	686	853	1278	1639	1818	2192	2281	920	751	732
Appanoose	714	633	601	608	620	604	600	572	557	511	498	607	867	1153	1417	1698	1684	813	560	618
Audubon	1647	1483	1458	1383	1400	1403	1453	1444	1413	1165	1066	1227	1737	2354	2558	3313	3600	1555	1290	1445
Benton	2023	1742	1657	1589	1618	1626	1690	1654	1580	1376	1299	1616	2461	3069	3342	4180	4468	1997	1674	1707
Black Hawk	2128	1844	1750	1721	1709	1723	1809	1785	1753	1501	1434	1813	2787	3520	3869	4920	5227	2183	1798	1636
Boone	2260	1912	1828	1725	1759	1768	1855	1804	1766	1499	1401	1692	2630	3333	3614	4527	4818	2151	1767	1802
Bremer	1814	1608	1536	1474	1475	1490	1581	1553	1460	1276	1222	1560	2370	2986	3306	4153	4199	1658	1384	1229
Buchanan	1840	1622	1545	1500	1497	1512	1596	1569	1492	1306	1254	1603	2431	3009	3326	4180	4217	1654	1321	1210
Buena Vista	2171	1915	1863	1839	1869	1892	1969	1981	1937	1547	1383	1584	2373	3399	3590	4675	5089	2061	1840	1980
Butler	1943	1694	1613	1570	1554	1574	1654	1646	1633	1388	1307	1648	2531	3216	3527	4519	4769	1887	1575	1471
Calhoun	2258	1936	1861	1871	1904	1920	2009	1976	1863	1551	1428	1699	2615	3498	3764	4776	5214	2242	1891	1968
Carroll	1950	1714	1671	1705	1748	1755	1819	1809	1739	1390	1265	1433	2112	3029	3204	4131	4507	1867	1627	1834
Cass	1406	1297	1237	1173	1160	1168	1201	1180	1150	1025	948	1127	1591	2070	2327	2952	3217	1496	1145	1312
Cedar	2196	1962	1839	1785	1780	1791	1796	1783	1699	1623	1569	2080	3000	3509	3858	4707	4855	2230	1891	1789
Cerro Gordo	2001	1759	1680	1631	1604	1631	1716	1725	1722	1457	1359	1718	2633	3401	3726	4817	5084	1986	1617	1465
Cherokee	1863	1653	1621	1574	1612	1618	1674	1671	1638	1302	1181	1329	1925	2799	2962	3844	4292	1784	1529	1656
Chickasaw	1476	1309	1252	1200	1204	1217	1292	1267	1212	1061	1015	1294	1966	2478	2744	3443	3487	1346	1073	1012
Clarke	830	744	703	712	718	705	706	676	635	588	566	689	984	1283	1554	1878	1968	1015	741	783
Clay	2020	1782	1734	1697	1725	1746	1817	1828	1776	1418	1268	1452	2173	3091	3263	4247	4606	1832	1591	1656
Clayton	1282	1164	1140	1007	1059	1070	1166	1111	1008	913	857	1068	1600	2092	2319	2797	2942	1295	1119	1076
Clinton	1739	1539	1454	1427	1441	1458	1488	1461	1414	1350	1303	1720	2497	2947	3261	3930	4020	1690	1373	1299
Crawford	1656	1477	1458	1420	1449	1452	1505	1501	1481	1190	1083	1228	1755	2471	2645	3441	3768	1563	1342	1541
Dallas	1816	1567	1502	1406	1426	1433	1496	1460	1372	1170	1090	1310	1988	2559	2795	3519	3831	1693	1378	1503
Davis	915	838	795	753	759	744	749	728	717	651	625	773	1113	1416	1646	2027	2045	955	715	770
Decatur	677	600	569	586	598	582	579	552	517	476	463	564	806	1056	1300	1554	1556	778	586	630
Delaware	1869	1678	1620	1538	1585	1602	1710	1652	1573	1429	1359	1723	2570	3206	3554	4325	4362	1757	1373	1242
Des Moines	1605	1500	1423	1359	1360	1340	1358	1338	1298	1170	1109	1390	2013	2522	2805	3532	3730	1757	1332	1254
Dickinson	1836	1619	1576	1556	1600	1607	1663	1658	1584	1244	1126	1253	1845	2771	2900	3751	3976	1563	1327	1465
Dubuque	1624	1470	1433	1357	1419	1435	1550	1483	1389	1266	1194	1499	2236	2882	3194	3853	4043	1603	1270	1153
Emmet	2122	1872	1820	1749	1777	1799	1873	1884	1828	1460	1305	1495	2239	3128	3302	4301	4621	1792	1523	1566
Fayette	1623	1455	1408	1340	1375	1388	1493	1444	1378	1227	1164	1467	2213	2848	3156	3885	3965	1543	1197	1070

Table 3. Adjusted Value (in 1996 \$s per acre) of Farm Land in Iowa Counties, 1950-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1769	1551	1468	1423	1395	1409	1479	1470	1475	1266	1224	1580	2415	3009	3330	4261	4437	1386	1441	1286
Franklin	2092	1836	1770	1718	1698	1736	1830	1852	1830	1525	1370	1682	2591	3393	3672	4783	5182	1982	1648	1598
Fremont	1361	1275	1182	1168	1137	1148	1174	1143	1106	1042	970	1176	1669	2115	2421	3023	3411	1607	1207	1375
Greene	1964	1687	1626	1630	1665	1672	1746	1712	1639	1364	1263	1495	2278	3067	3304	4180	4543	2029	1679	1777
Grundy	2294	1961	1869	1801	1816	1828	1918	1877	1849	1575	1486	1834	2834	3611	3940	4969	5266	2219	1793	1719
Guthrie	1516	1344	1317	1226	1241	1244	1295	1278	1237	1033	953	1117	1618	2120	2315	2972	3230	1397	1124	1254
Hamilton	2429	2085	2002	1908	1927	1951	2051	2029	1974	1660	1516	1834	2842	3686	3985	5080	5390	2234	1819	1878
Hancock	2086	1839	1771	1705	1682	1721	1814	1840	1812	1514	1366	1691	2597	3410	3700	4830	5163	1990	1632	1541
Hardin	2203	1892	1816	1753	1771	1793	1885	1866	1838	1544	1411	1707	2645	3395	3668	4679	4996	2021	1658	1687
Harrison	1427	1302	1266	1183	1183	1186	1225	1212	1162	998	918	1078	1516	2004	2226	2856	3080	1382	1099	1286
Henry	1545	1445	1371	1311	1312	1293	1311	1291	1228	1107	1048	1313	1904	2343	2606	3283	3401	1618	1316	1305
Howard	1316	1167	1117	1059	1062	1073	1141	1118	1058	926	887	1130	1716	2180	2413	3028	3058	1204	990	949
Humboldt	2294	1997	1926	1854	1854	1892	1993	2005	1990	1656	1479	1792	2769	3703	3991	5174	5665	2297	1886	1891
Ida	1855	1656	1637	1580	1610	1613	1673	1668	1643	1322	1204	1368	1951	2732	2930	3814	4234	1824	1523	1656
Iowa	1674	1518	1445	1365	1372	1365	1408	1387	1335	1172	1097	1365	2036	2484	2679	3402	3630	1697	1466	1541
Jackson	1449	1297	1245	1201	1235	1249	1313	1272	1239	1155	1102	1417	2087	2578	2855	3441	3554	1457	1150	1070
Jasper	1726	1581	1503	1431	1437	1426	1463	1441	1421	1255	1180	1472	2176	2655	2889	3660	3829	1765	1477	1541
Jefferson	1189	1111	1055	1006	1007	992	1006	992	922	830	786	986	1430	1709	1901	2394	2422	1137	917	981
Johnson	2059	1903	1796	1675	1669	1664	1683	1671	1618	1492	1420	1838	2661	3148	3417	4281	4396	2013	1679	1656
Jones	1644	1457	1381	1328	1346	1360	1397	1368	1291	1227	1181	1551	2258	2674	2959	3568	3690	1559	1311	1274
Keokuk	1439	1368	1298	1267	1262	1248	1272	1263	1166	1046	981	1241	1806	2130	2288	2934	2994	1421	1249	1344
Kossuth	2213	1954	1897	1790	1778	1825	1925	1965	1907	1566	1371	1652	2537	3405	3652	4808	5212	1970	1669	1668
Lee	1376	1258	1194	1124	1134	1111	1118	1087	1073	974	933	1156	1666	2155	2509	3087	3234	1543	1156	1127
Linn	2136	1887	1776	1713	1715	1729	1750	1729	1652	1555	1499	1970	2870	3401	3740	4569	4632	2013	1674	1662
Louisa	1831	1690	1594	1570	1564	1559	1577	1566	1460	1349	1283	1662	2406	2844	3089	3866	3918	1757	1399	1388
Lucas	764	677	643	664	677	659	656	625	605	556	542	659	943	1215	1494	1789	1822	904	653	700
Lyon	1827	1611	1568	1559	1603	1611	1666	1662	1627	1279	1156	1286	1896	2885	3018	3905	4321	1765	1534	1687
Madison	1257	1145	1072	1067	1055	1057	1081	1048	946	873	819	993	1433	1842	2121	2628	2755	1291	938	1063
Mahaska	1457	1363	1293	1251	1252	1234	1250	1231	1132	1021	967	1212	1757	2163	2405	3030	3139	1524	1244	1305
Marion	1354	1235	1173	1148	1159	1135	1141	1108	1065	968	928	1149	1654	2104	2458	3018	3151	1540	1161	1184
Marshall	1906	1670	1593	1530	1549	1549	1611	1576	1542	1331	1245	1526	2324	2879	3113	3927	4149	1867	1570	1656
Mills	1431	1340	1242	1184	1152	1164	1191	1159	1136	1070	997	1208	1713	2220	2542	3171	3502	1650	1213	1401
Mitchell	1683	1476	1396	1356	1329	1342	1409	1400	1393	1217	1177	1519	2321	2916	3226	4129	4310	1682	1373	1216

Table 3. Adjusted Value (in 1996 \$s per acre) of Farm Land in Iowa Counties, 1950-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1371	1233	1230	1156	1171	1171	1217	1213	1202	980	897	1031	1442	1903	2071	2706	2900	1263	1026	1184
Monroe	920	845	802	776	782	767	773	753	698	633	606	752	1085	1357	1562	1932	1974	947	757	828
Montgomery	1259	1179	1094	1077	1049	1058	1083	1053	1040	981	913	1107	1570	2035	2329	2907	3255	1622	1202	1407
Muscatine	2007	1806	1696	1625	1620	1627	1635	1622	1540	1460	1405	1855	2676	3168	3473	4262	4295	1946	1591	1554
O'Brien	2303	2030	1977	1961	2017	2027	2096	2091	2049	1610	1457	1620	2387	3566	3730	4827	5223	2065	1793	1923
Osceola	2005	1767	1722	1712	1762	1770	1830	1825	1788	1405	1271	1414	2084	3104	3248	4203	4600	1832	1565	1675
Page	1120	1050	973	962	937	946	969	942	930	877	816	990	1404	1883	2156	2689	3022	1547	1171	1375
Palo Alto	2042	1803	1752	1671	1677	1711	1793	1818	1757	1425	1259	1483	2254	3038	3234	4239	4667	1836	1570	1586
Plymouth	1888	1686	1668	1535	1566	1569	1627	1622	1613	1298	1183	1343	1915	2680	2873	3740	4190	1812	1492	1611
Pocahontas	2224	1948	1885	1827	1831	1868	1963	1982	1929	1588	1413	1691	2594	3507	3761	4898	5374	2211	1933	1980
Polk	1916	1659	1582	1548	1573	1572	1633	1590	1551	1339	1258	1532	2336	3036	3336	4169	4461	2025	1617	1719
Pottawattamie	1490	1378	1308	1235	1219	1227	1262	1237	1198	1077	997	1189	1681	2212	2494	3156	3435	1618	1233	1426
Poweshiek	1674	1526	1451	1365	1370	1363	1403	1384	1353	1190	1114	1388	2067	2501	2696	3428	3641	1678	1389	1528
Ringgold	786	712	670	679	681	673	676	650	621	576	551	670	955	1244	1491	1812	1861	947	710	809
Sac	2035	1789	1744	1778	1824	1831	1898	1887	1815	1450	1320	1495	2203	3168	3352	4323	4727	1958	1694	1872
Scott	2735	2400	2243	2189	2182	2208	2204	2186	2064	2005	1953	2623	3773	4409	4874	5874	5961	2621	2192	2101
Shelby	1546	1409	1374	1287	1290	1293	1338	1322	1312	1118	1029	1204	1691	2294	2537	3266	3680	1697	1352	1503
Sioux	2050	1817	1783	1695	1736	1742	1803	1799	1774	1409	1278	1436	2084	3035	3210	4164	4658	1986	1679	1827
Story	2328	1984	1897	1795	1827	1835	1920	1871	1817	1547	1447	1753	2713	3456	3746	4701	5002	2179	1757	1796
Tama	1833	1594	1520	1443	1457	1460	1523	1491	1456	1251	1175	1447	2213	2788	3027	3820	4074	1800	1503	1560
Taylor	901	829	775	773	764	762	773	747	717	670	633	768	1093	1405	1650	2028	2158	1101	824	936
Union	955	864	813	815	817	806	810	778	746	692	662	804	1148	1510	1810	2199	2333	1220	891	949
Van Buren	1027	942	893	839	846	830	835	813	788	715	686	849	1225	1533	1777	2192	2234	1082	808	860
Wapello	1080	1012	960	904	905	892	904	890	833	751	710	891	1291	1576	1751	2207	2264	1058	865	936
Warren	1370	1209	1146	1139	1155	1139	1154	1109	1045	943	903	1097	1600	2136	2520	3069	3098	1516	1104	1153
Washington	1882	1788	1696	1629	1622	1604	1634	1623	1517	1359	1276	1614	2349	2756	2959	3795	3864	1840	1627	1662
Wayne	751	665	632	659	672	654	650	620	598	550	535	652	931	1235	1519	1819	1814	888	643	700
Webster	2379	2041	1960	1867	1887	1910	2008	1986	1924	1617	1478	1787	2770	3634	3929	5006	5349	2254	1850	1872
Winnebago	1905	1680	1616	1569	1550	1584	1671	1693	1642	1372	1238	1532	2355	3118	3382	4416	4784	1792	1461	1407
Winneshiek	1298	1164	1126	1059	1087	1098	1181	1141	1081	961	911	1149	1733	2229	2470	3040	3104	1255	1031	993
Woodbury	1517	1363	1357	1267	1286	1287	1336	1333	1320	1073	981	1126	1581	2146	2327	3038	3269	1382	1161	1331
Worth	1854	1630	1557	1521	1496	1521	1600	1608	1564	1324	1236	1563	2394	3084	3379	4367	4652	1753	1425	1318
Wright	2380	2073	2000	1913	1912	1952	2057	2069	2015	1677	1498	1815	2803	3706	3994	5179	5429	2187	1803	1859
State of Iowa	1682	1497	1435	1405	1393	1399	1450	1432	1389	1199	1117	1366	2025	2610	2865	3620	3840	1654	1352	1388

Table 4. Percentage Change Based on Adjusted Per Acre Value (in 1996 \$\$) of Farm Land by Selected Periods in Iowa Counties, 1950-1996.

County	1990- 1996	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1996	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	19.3	-64.7	104.1	39.7	-10.1	Jefferson	18.2	-58.5	113.0	24.0	-6.5
Adams	16.5	-62.3	112.3	30.4	-13.0	Johnson	22.4	-61.7	118.3	19.9	1.4
Allamakee	5.3	-59.7	148.0	22.4	2.6	Jones	17.7	-62.1	136.6	18.9	2.9
Appanoose	19.1	-64.4	107.1	45.3	-9.4	Keokuk	13.1	-57.5	110.7	13.8	-7.1
Audubon	13.3	-59.6	131.5	20.5	-10.7	Kossuth	14.9	-63.1	164.6	18.1	.0
Benton	19.7	-62.2	123.7	19.3	-1.9	Lee	23.1	-65.4	109.5	33.6	2.5
Black Hawk	17.6	-65.4	139.4	21.4	9.9	Linn	22.1	-62.2	130.1	20.3	.7
Boone	21.8	-61.5	123.9	21.8	-1.9	Louisa	16.1	-59.8	123.0	25.6	.8
Bremer	14.7	-62.3	153.3	19.8	12.6	Lucas	16.5	-64.0	101.5	38.5	-6.8
Buchanan	15.3	-62.2	155.0	25.2	9.2	Lyon	9.7	-61.4	144.9	15.0	-9.1
Buena Vista	10.2	-61.3	147.0	12.0	-7.1	Madison	16.3	-60.8	113.4	37.6	-11.8
Butler	17.5	-65.3	152.8	19.8	7.1	Mahaska	16.5	-60.2	106.0	22.5	-4.7
Calhoun	12.4	-61.5	132.5	18.6	-3.9	Marion	18.7	-63.8	104.6	32.6	-2.0
Carroll	7.2	-59.6	141.4	14.8	-11.3	Marshall	18.3	-61.2	122.2	18.9	-5.2
Cass	17.0	-62.7	115.1	30.6	-12.7	Mills	20.2	-66.0	112.2	36.1	-13.4
Cedar	22.3	-63.0	117.7	17.9	5.7	Mitchell	19.4	-67.3	156.3	22.5	12.9
Cerro Gordo	16.6	-66.2	156.0	22.8	10.4	Monona	12.7	-58.0	129.5	23.1	-13.4
Cherokee	11.3	-61.0	140.5	16.7	-7.7	Monroe	19.1	-60.9	108.4	25.2	-8.6
Chickasaw	14.2	-62.9	159.0	25.5	5.9	Montgomery	16.2	-66.7	100.6	35.0	-14.6
Clarke	17.6	-64.1	94.0	36.9	-5.4	Muscatine	22.7	-61.9	120.7	22.3	2.4
Clay	11.2	-60.6	151.5	15.1	-3.9	O'Brien	9.9	-59.9	153.0	15.2	-6.8
Clayton	10.0	-60.4	127.2	15.7	4.0	Osceola	9.6	-60.2	151.2	17.0	-6.6
Clinton	16.9	-63.0	138.0	23.0	5.7	Page	15.6	-68.0	95.3	32.1	-14.9
Crawford	10.0	-60.1	141.0	16.5	-12.9	Palo Alto	13.9	-61.6	154.3	16.9	-1.0
Dallas	21.4	-60.9	126.2	22.9	-8.3	Plymouth	16.1	-61.2	131.2	21.4	-7.4
Davis	22.2	-63.4	114.0	33.6	-7.2	Pocahontas	13.3	-63.5	143.1	14.4	-2.4
Decatur	16.9	-62.8	100.1	32.8	-7.1	Polk	17.4	-63.4	120.3	25.3	-6.0
Delaware	9.3	-60.8	148.3	27.9	10.6	Pottawattamie	18.0	-63.2	112.2	31.2	-13.5
Des Moines	18.2	-63.6	112.4	31.9	6.2	Poweshiek	19.3	-61.5	117.0	20.8	-9.1
Dickinson	10.4	-58.2	154.3	17.8	-9.4	Ringgold	16.3	-63.7	96.4	33.5	-12.2
Dubuque	4.8	-61.7	152.2	26.2	10.2	Sac	7.2	-59.8	141.4	15.6	-9.5
Emmet	13.3	-59.5	157.8	17.6	-2.7	Scott	24.1	-63.0	127.4	19.6	4.3
Fayette	8.7	-62.3	156.9	28.9	11.9	Shelby	15.6	-63.7	116.8	25.5	-10.0
Floyd	19.6	-66.7	220.2	-3.8	12.0	Sioux	13.7	-61.3	134.6	18.3	-8.1
Franklin	14.3	-64.7	161.5	20.3	3.1	Story	21.2	-61.6	129.5	24.0	-2.2
Fremont	15.9	-65.6	112.3	33.1	-12.2	Tama	20.4	-62.6	126.3	19.8	-3.7
Greene	12.5	-61.6	123.9	20.9	-5.5	Taylor	16.6	-64.2	95.9	33.7	-12.0
Grundy	19.6	-63.6	137.4	23.7	4.3	Union	17.9	-65.3	91.2	36.9	-6.1
Guthrie	17.1	-59.9	131.2	24.3	-10.4	Van Buren	23.0	-62.6	106.6	33.8	-6.0
Hamilton	18.4	-62.0	141.2	22.8	-3.2	Wapello	19.5	-60.1	114.0	22.3	-7.6
Hancock	15.0	-64.9	159.5	21.9	5.9	Warren	18.7	-62.8	104.4	37.3	-4.2
Hardin	16.9	-62.3	147.2	21.9	-1.7	Washington	15.2	-57.7	110.1	13.1	-2.1
Harrison	16.5	-60.2	122.9	25.8	-14.6	Wayne	15.6	-64.2	104.2	38.2	-8.3
Henry	17.8	-61.4	110.2	23.0	.8	Webster	18.5	-62.5	137.3	21.8	-1.2
Howard	15.4	-62.7	154.0	21.7	4.3	Winnebago	14.0	-65.1	167.0	22.6	3.8
Humboldt	15.1	-64.8	146.6	21.8	-.3	Winneshiek	9.9	-61.9	147.3	21.7	3.8
Ida	10.9	-60.5	132.2	19.7	-8.0	Woodbury	13.5	-59.1	136.6	19.0	-12.8
Iowa	18.9	-61.2	113.9	15.8	-4.8	Worth	15.8	-65.6	165.4	23.0	8.1
Jackson	10.4	-63.1	144.0	26.6	7.5	Wright	15.7	-62.1	148.3	21.3	-3.0
Jasper	18.0	-61.8	117.0	19.5	-4.2						
						State of Iowa	16.0	-62.2	132.2	22.3	-2.6

Table 5. Percentage Change in Per Acre Value (unadjusted and adjusted to 1996 \$s) of Farm Land from 1981 to 1986 and from 1986 to 1996 in Iowa Counties.

County	Unadjusted		Adjusted		County	Unadjusted		Adjusted	
	1986-1996	1981-1986	1986-1996	1981-1986		1986-1996	1981-1986	1986-1996	1981-1986
Adair	106.3	-62.9	45.3	-68.8	Jefferson	114.6	-61.0	51.2	-67.2
Adams	106.2	-62.2	45.2	-68.1	Johnson	105.9	-60.6	45.0	-66.8
Allamakee	100.4	-62.8	41.2	-68.7	Jones	97.6	-60.7	39.2	-66.9
Appanoose	103.4	-65.1	43.3	-70.7	Keokuk	108.2	-60.3	46.7	-66.6
Audubon	119.3	-61.8	54.5	-67.8	Kossuth	129.1	-66.1	61.4	-71.5
Benton	121.1	-63.1	55.7	-68.9	Lee	109.4	-64.1	47.5	-69.8
Black Hawk	110.7	-65.4	48.4	-70.9	Linn	102.3	-61.0	42.5	-67.2
Boone	129.0	-63.2	61.3	-69.0	Louisa	102.5	-60.6	42.7	-66.8
Bremer	110.7	-65.0	48.4	-70.6	Lucas	100.0	-64.0	40.9	-69.7
Buchanan	108.4	-64.4	46.8	-70.0	Lyon	124.4	-64.9	58.1	-70.4
Buena Vista	122.9	-64.9	57.0	-70.4	Madison	117.9	-63.0	53.5	-68.8
Butler	111.0	-65.6	48.6	-71.1	Mahaska	114.0	-62.1	50.7	-68.1
Calhoun	124.5	-64.5	58.1	-70.1	Marion	107.0	-63.5	45.8	-69.2
Carroll	118.9	-63.6	54.2	-69.4	Marshall	117.3	-62.3	53.1	-68.3
Cass	110.5	-61.9	48.3	-67.9	Mills	103.8	-62.7	43.6	-68.6
Cedar	98.7	-60.4	40.0	-66.7	Mitchell	103.0	-66.1	43.0	-71.5
Cerro Gordo	109.1	-66.5	47.3	-71.8	Monona	116.9	-60.6	52.8	-66.8
Cherokee	123.9	-63.5	57.7	-69.3	Monroe	115.5	-62.7	51.8	-68.6
Chickasaw	106.4	-65.0	45.4	-70.5	Montgomery	95.8	-62.7	37.9	-68.6
Clarke	108.0	-64.2	46.5	-69.8	Muscatine	102.7	-60.8	42.8	-67.0
Clay	126.2	-64.5	59.3	-70.2	O'Brien	124.5	-64.2	58.1	-69.8
Clayton	112.3	-63.6	49.5	-69.3	Osceola	124.0	-64.1	57.8	-69.8
Clinton	89.4	-60.6	33.4	-66.8	Page	94.8	-63.9	37.2	-69.6
Crawford	117.0	-62.6	52.9	-68.5	Palo Alto	130.2	-64.7	62.2	-70.3
Dallas	136.5	-63.2	66.6	-69.0	Plymouth	126.7	-62.4	59.7	-68.4
Davis	108.0	-63.4	46.5	-69.2	Pocahontas	123.5	-65.7	57.5	-71.2
Decatur	107.7	-64.6	46.3	-70.2	Polk	116.3	-64.2	52.3	-69.8
Delaware	95.3	-62.7	37.6	-68.6	Pottawattamie	112.3	-62.5	49.5	-68.4
Des Moines	105.5	-62.7	44.8	-68.6	Poweshiek	113.2	-61.4	50.2	-67.5
Dickinson	131.5	-64.4	63.1	-70.0	Ringgold	102.6	-63.9	42.7	-69.6
Dubuque	93.1	-63.2	36.0	-69.0	Sac	118.8	-63.7	54.1	-69.5
Emmet	130.9	-64.0	62.7	-69.7	Scott	98.8	-60.5	40.0	-66.7
Fayette	97.9	-64.4	39.4	-70.0	Shelby	113.2	-62.6	50.2	-68.5
Floyd	105.2	-65.9	44.6	-71.3	Sioux	127.8	-63.6	60.5	-69.3
Franklin	116.8	-66.0	52.7	-71.4	Story	128.5	-63.5	60.9	-69.2
Fremont	99.3	-61.9	40.4	-67.9	Tama	121.4	-63.5	55.9	-69.2
Greene	120.7	-64.1	55.4	-69.8	Taylor	102.0	-62.9	42.3	-68.8
Grundy	119.1	-64.5	54.3	-70.1	Union	104.9	-64.3	44.4	-69.9
Guthrie	125.9	-61.9	59.2	-68.0	Van Buren	112.6	-62.8	49.8	-68.7
Hamilton	127.4	-64.6	60.2	-70.2	Wapello	116.0	-61.8	52.2	-67.8
Hancock	116.8	-66.4	52.7	-71.7	Warren	115.4	-65.1	51.7	-70.6
Hardin	121.6	-64.2	56.1	-69.8	Washington	109.3	-60.1	47.5	-66.4
Harrison	120.6	-61.8	55.4	-67.8	Wayne	99.2	-65.1	40.3	-70.6
Henry	109.3	-62.1	47.5	-68.1	Webster	128.5	-64.9	61.0	-70.5
Howard	110.6	-65.2	48.3	-70.7	Winnebago	118.5	-66.7	53.9	-72.0
Humboldt	120.2	-66.0	55.1	-71.4	Winneshek	102.2	-64.4	42.4	-70.0
Ida	118.8	-62.5	54.1	-68.4	Woodbury	119.5	-61.7	54.6	-67.7
Iowa	116.6	-61.7	52.5	-67.7	Worth	112.9	-66.4	49.9	-71.7
Jackson	86.7	-62.0	31.5	-68.0	Wright	125.6	-65.7	58.9	-71.1
Jasper	107.7	-61.7	46.3	-67.8					
					State of Iowa	113.7	-63.3	50.6	-69.1



inflation is entered into the equation. But the decline in the 1980s is even more dramatic when the numbers are adjusted for inflation.

Data comparing 1980 with 1990 mask a reversal in the trend of farm land values, however. From 1981 to 1986, average values declined steadily; they increased from 1986 to 1996. In the first period, unadjusted declines totaled 63.3 percent for the state (Table 5). The value of farm land dropped by at least 60 percent in all counties. In some, the figures for 1986 were only about a third of what they had been for an average acre in 1981. The numbers adjusted for inflation provide similar findings.

Farm land values escalated again from 1986 through 1996; the average acre in Iowa gained 113.7 percent in unadjusted value. Although the losses from 1981 through 1986 had a relatively small range (-60.1% through -66.7%) across counties, the gains in the following years varied to a somewhat greater degree. Twenty-seven counties had increases in farm land values of at least 120 percent, while the gains in 12 others were less than 100 percent (Figure 4). Increases from 1986 to 1996 were greatest (+130%) in Dallas, Dickinson, Emmet, and Palo Alto counties. These gains were not as dramatic when the effects of inflation were incorporated, however.

**Note:** Annual data from 1950 through 1996 are available from Michael Duffy, Department of Economics, 560 Heady Hall, Iowa State University, Ames, IA 50011.

Figure 1. Value (in \$s per acre) of farm land in Iowa, 1950-1996.

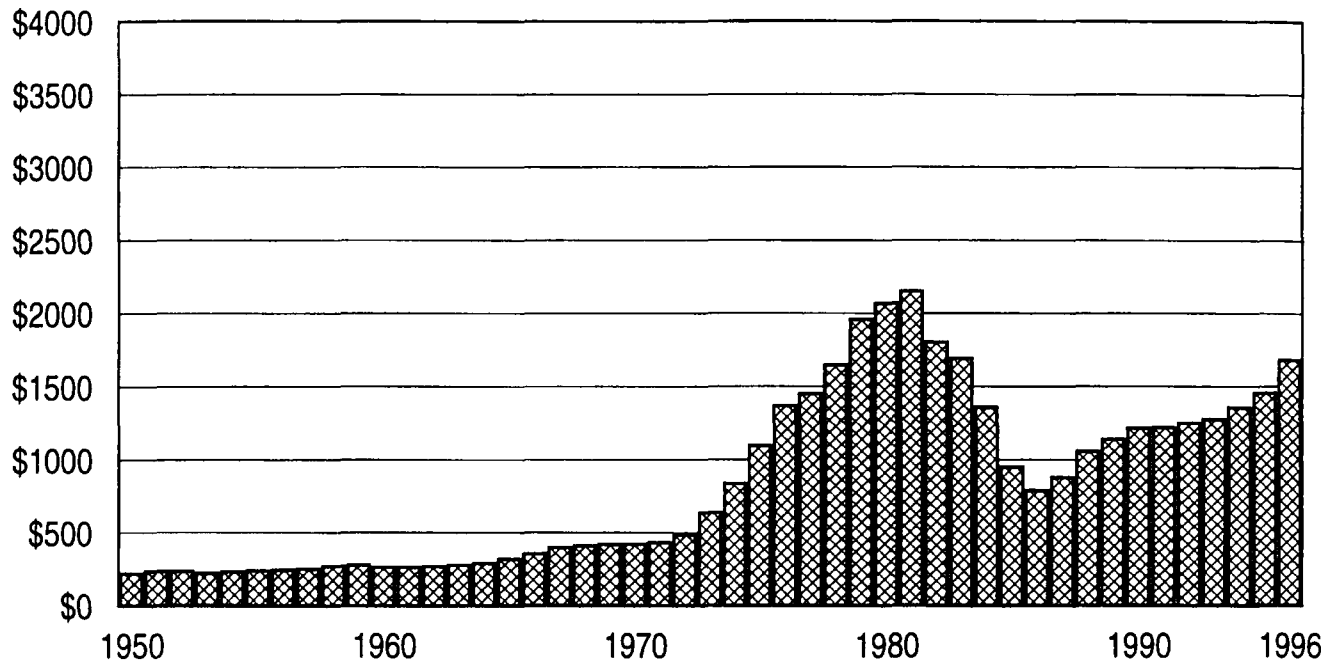


Figure 2. Adjusted value (in 1996 \$s per acre) of farm land in Iowa, 1950-1996.

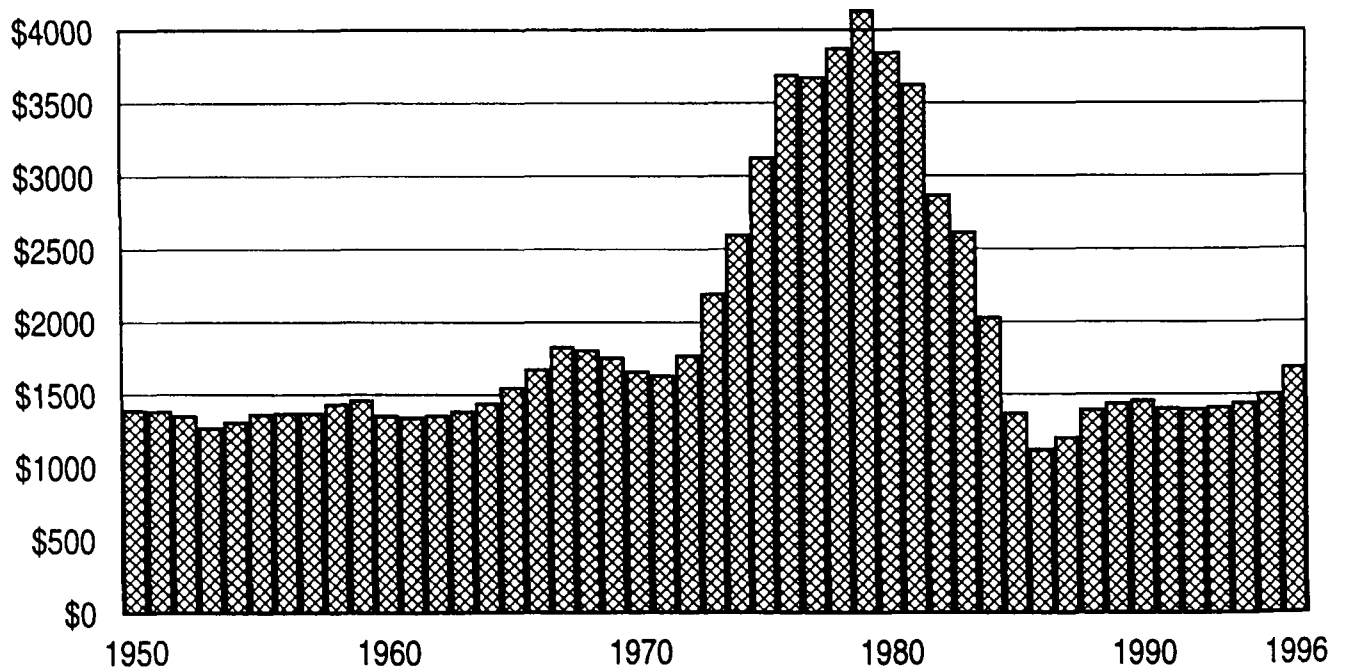


Figure 3. Average farm land value per acre, 1996.

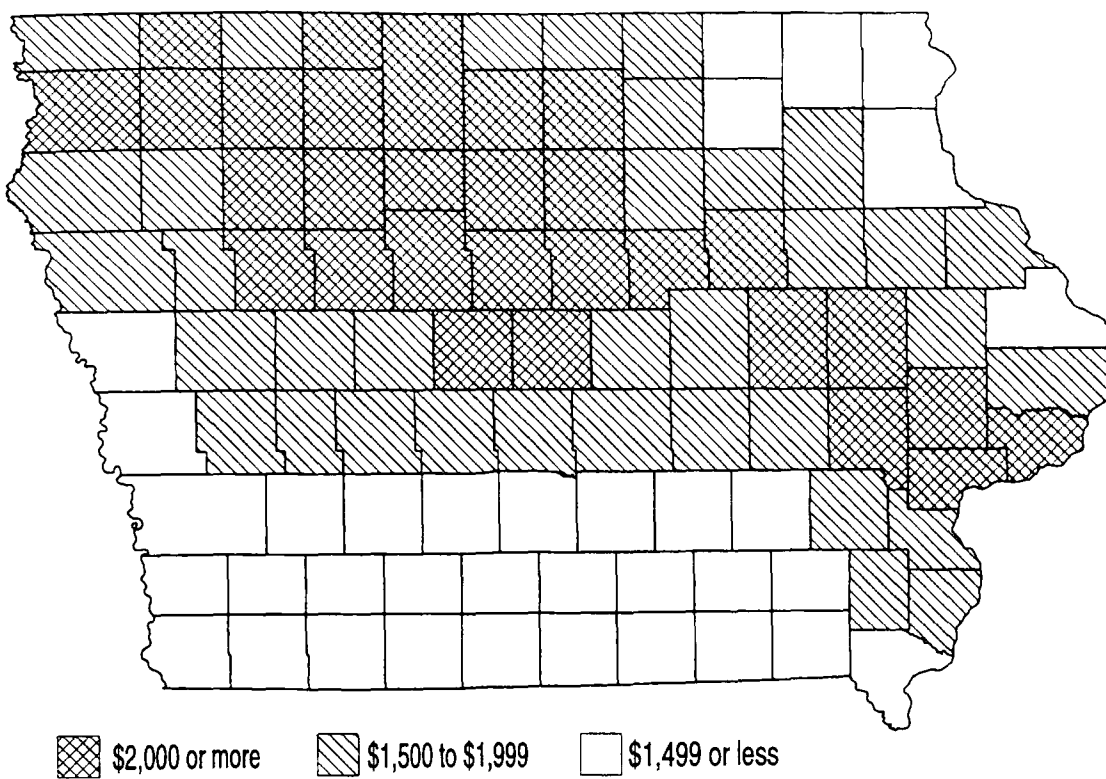
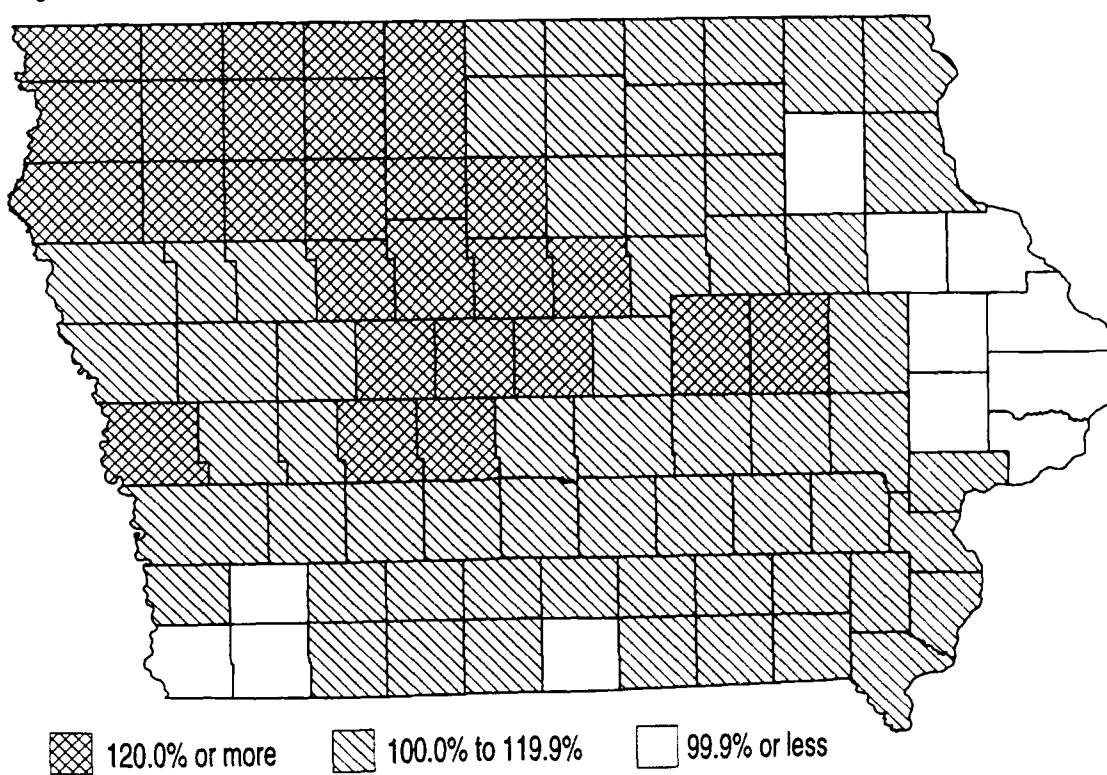
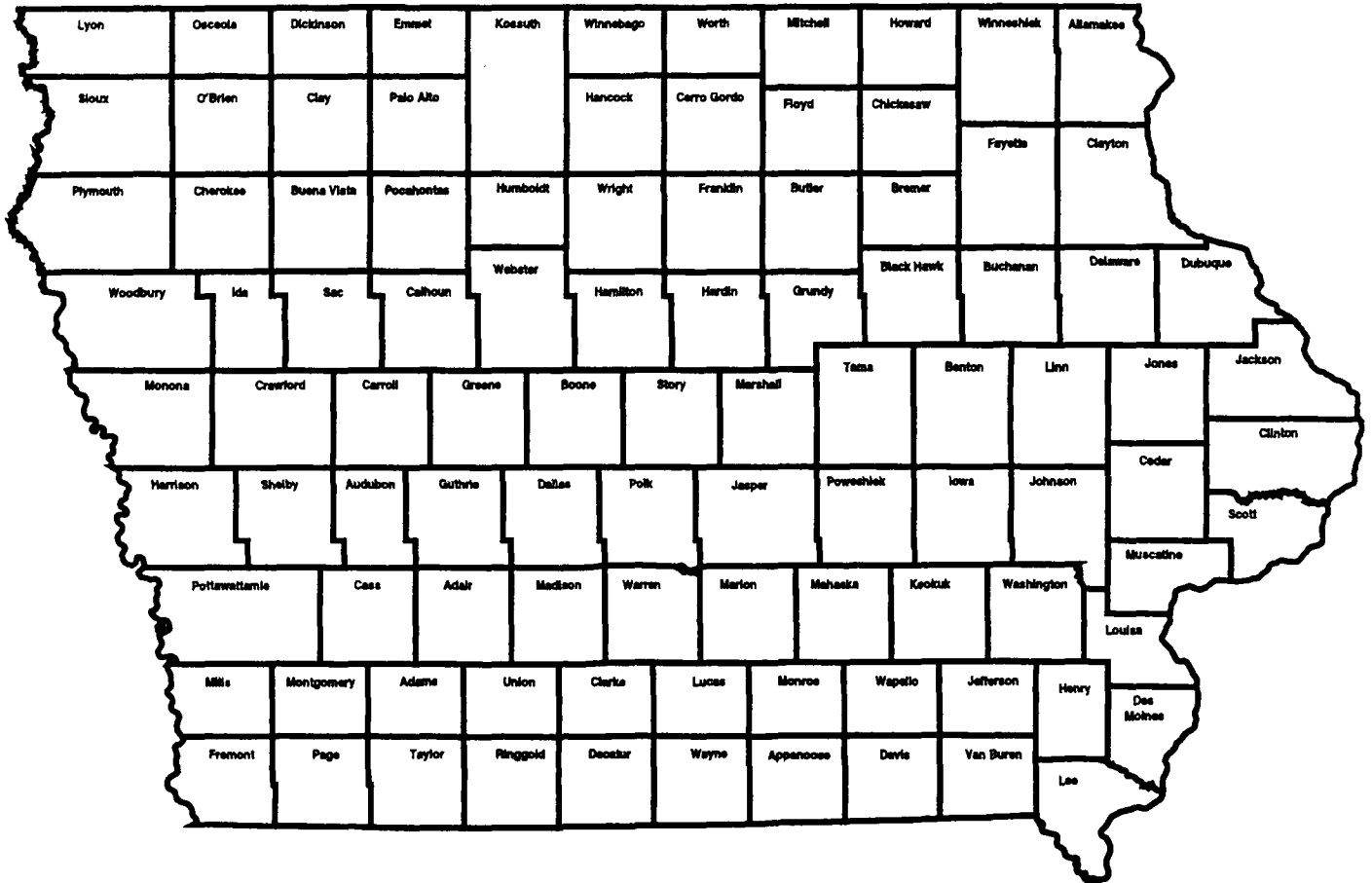


Figure 4. Percent increase in per acre value of farm land, 1986-1996.





## Corn and Soybean Production in Iowa's Counties:

1976-1996

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The Iowa Department of Agriculture and Land Stewardship provides annual estimates of production of selected crops. Reports are available on corn, corn silage, soybeans, oats, wheat, alfalfa hay, and all hay. In this section, information is included on corn and soybeans harvested for grain.

Weather is a key factor influencing differences in the production of corn and soybeans from one year to the next. The excessive rains and consequent flooding that occurred during 1993 caused a decrease in acres harvested and bushels produced per acre; thus, the one-year increases between 1993 and 1994 were particularly dramatic because of the exceptionally high numbers recorded for corn and soybean production in 1994. Weather-related factors in 1995 led to significant declines from 1994, however. The numbers for 1996 returned to relatively high levels. Federal agricultural policy and other factors can affect planting and harvesting as well.

### Corn Production

About 12.4 million acres of corn were harvested for grain in 1996 (Table 1), a gain of 1 million acres from 1995. These acres generally increased from 1987, when about 10 million acres were harvested, to 1992, when nearly 13 million acres were reported (Figure 1). Production averaged about 13 million acres from 1976 through 1985 except for 1983, when fewer than 9 million acres of corn were harvested. Weather-related problems in 1993 resulted in a 15.1 percent decline from 1992 in harvested corn acreage but a gain of 15.5 percent from 1993 to 1994. A decline of 10.2 percent occurred from 1994 to 1995, again in large part due to weather patterns. The increase of 9.2% from 1995 to 1996 nearly replaced the previous decline.

In 1996, 1.7 billion bushels of corn were produced, an increase of more than 300 million bushels from 1995 (Table 2). Corn harvests ranged from 1.3 to 1.7 billion bushels from 1978 through 1991 except for 1983 and 1988, the only two years other than 1993 when fewer than 1 billion bushels were produced.

The average number of bushels of corn grown per acre is obtained by dividing the number of bushels produced by the number of acres grown. In only 5 of the 21 years examined was the average below 100 bushels per acre (Table 3, Figure 2); the years 1983, 1988, and 1993 were joined by the two at the beginning of the period (1976-1977). The 1996 figure of 138 was substantially above the 123 figure for 1995 but still below the 152 bushels per acre reported in 1994, the highest of the years noted.

Counties vary in corn production (Tables 1, 2, 3). Both the acres harvested and the bushels of corn produced differ by the amount and quality of farmland available for such production. The figures for the average bushels produced per acre allow county comparisons that take into account variations in the number of acres planted. In 1996, for example, average yield of corn was at least 10 bushels per acre greater than the state figure in 11 counties, five of which had yields exceeding 150 bushels per acre (Franklin, Humboldt, Pocahontas, Webster, Wright) (Figure 3). Yields were 10 or more bushels per acre under the state average in 23 counties; in only Clarke and Lucas were yields less than 110 bushels per acre in 1996.

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	105	96	109	98	112	109	112	106	92	90	102	112	114	73	115	120	116	116	109	110	109
Adams	63	44	61	54	63	60	63	61	55	50	58	64	61	46	68	80	74	73	67	68	68
Allamakee	76	70	72	63	73	71	68	66	55	62	74	81	79	51	86	89	76	75	75	70	65
Appanoose	26	7	30	21	33	32	31	30	24	26	35	42	32	20	35	41	38	37	37	39	40
Audubon	105	95	105	97	110	108	109	108	99	94	111	126	117	86	124	127	128	124	122	111	116
Benton	185	173	182	166	181	179	175	175	156	153	177	198	190	122	181	181	175	173	185	172	177
Black Hawk	152	145	150	137	154	143	150	149	130	120	145	163	161	105	142	153	152	146	146	143	142
Boone	147	134	145	123	141	133	134	135	119	108	121	134	127	87	148	152	154	153	151	154	158
Bremer	123	117	120	110	123	113	115	114	93	89	108	120	116	70	116	128	117	110	109	108	114
Buchanan	165	166	174	163	181	181	177	172	150	143	164	189	180	129	171	178	166	165	156	165	169
Buena Vista	160	159	166	148	164	151	155	159	139	122	145	161	157	107	165	176	170	169	167	163	164
Butler	154	146	152	136	158	146	154	149	136	127	155	180	170	104	164	176	169	169	168	164	171
Calhoun	163	155	167	144	163	145	152	153	131	117	155	176	173	104	159	160	158	155	150	152	157
Carroll	150	153	157	147	161	159	161	162	137	127	142	157	152	104	159	164	160	160	154	139	156
Cass	119	116	131	115	133	125	127	124	109	102	114	122	118	84	136	141	129	144	135	135	131
Cedar	161	160	169	158	173	177	174	167	149	134	145	164	160	111	184	183	179	177	182	172	169
Cerro Gordo	159	160	166	143	172	153	166	162	140	122	147	173	164	115	168	170	159	151	151	159	178
Cherokee	143	135	142	132	145	141	144	142	124	107	123	146	137	87	147	156	143	146	148	142	140
Chickasaw	131	125	131	116	136	123	122	122	104	105	128	141	135	81	136	136	121	115	115	109	113
Clarke	28	5	37	22	38	37	36	37	32	37	45	48	41	31	49	56	43	44	44	40	37
Clay	146	137	145	105	144	133	135	135	116	102	119	133	132	87	157	159	152	147	142	140	143
Clayton	140	138	142	136	157	148	138	130	115	135	157	170	168	111	158	164	150	148	147	139	131
Clinton	187	185	196	174	197	196	189	192	166	167	190	224	227	152	215	214	209	210	204	201	202
Crawford	166	167	174	162	176	170	170	172	145	127	149	173	161	115	163	173	180	181	167	167	175
Dallas	142	128	135	123	139	138	137	134	120	108	126	146	147	93	146	150	160	154	149	155	160
Davis	38	11	38	32	44	44	43	41	39	42	54	60	50	32	53	64	55	60	58	62	62
Decatur	30	6	32	25	34	32	30	32	21	36	58	65	52	32	51	57	48	45	46	45	44
Delaware	183	175	180	166	185	184	177	172	141	146	161	183	175	123	178	179	171	168	162	158	153
Des Moines	75	62	76	66	75	76	73	72	70	68	92	102	102	66	93	97	93	93	93	92	94
Dickinson	88	80	88	46	88	78	86	85	76	68	82	96	89	56	95	103	94	96	95	88	91
Dubuque	124	113	114	104	121	116	113	112	88	104	114	121	121	93	129	132	127	124	115	113	107
Emmet	109	105	110	53	108	97	103	102	93	80	110	127	119	76	118	113	110	106	104	102	106
Fayette	197	188	194	174	201	194	194	186	154	146	170	187	182	117	182	192	188	179	174	171	170

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	136	127	138	121	140	131	132	128	112	109	125	140	140	80	134	138	133	128	126	123	131
Franklin	179	171	180	160	183	145	170	170	147	132	148	173	166	107	180	183	179	171	167	160	170
Fremont	119	85	116	82	118	111	113	114	99	88	103	119	104	69	101	113	112	120	120	122	119
Greene	160	150	161	140	155	146	145	146	124	109	126	137	132	90	152	156	163	157	153	145	164
Grundy	161	154	164	144	164	151	161	160	140	129	142	155	154	101	159	160	152	150	155	152	163
Guthrie	113	99	107	98	112	109	106	106	97	87	118	133	121	73	120	119	111	106	105	104	102
Hamilton	174	161	170	148	168	149	160	159	136	122	134	146	139	99	160	170	170	165	167	169	178
Hancock	167	162	168	144	175	152	163	163	147	127	151	172	166	99	171	175	166	162	163	164	167
Hardin	171	166	174	155	172	156	167	161	138	136	157	174	170	120	171	174	169	162	166	175	177
Harrison	162	149	160	146	166	157	156	154	143	127	149	174	156	96	165	175	170	166	158	167	171
Henry	87	67	89	79	92	92	88	89	81	74	86	97	95	73	104	113	106	102	99	105	106
Howard	115	105	107	96	115	103	104	101	89	83	105	116	114	72	104	117	108	100	99	92	92
Humboldt	135	124	134	113	130	99	122	123	111	96	110	124	121	77	127	131	127	125	127	122	123
Ida	113	112	119	114	123	125	127	125	110	97	117	137	132	83	126	130	124	128	131	126	126
Iowa	125	112	130	110	129	128	121	124	99	117	138	149	146	95	154	163	146	142	139	144	139
Jackson	102	96	99	83	104	101	98	96	74	85	101	110	108	73	122	129	107	104	100	97	95
Jasper	158	155	166	147	169	162	164	166	147	139	155	180	174	118	169	180	174	170	170	171	175
Jefferson	65	38	70	59	73	74	72	72	60	67	82	96	87	49	77	83	76	73	74	83	80
Johnson	107	101	113	103	124	127	119	118	107	105	126	145	143	107	149	149	147	144	135	139	137
Jones	153	144	150	131	152	150	146	141	117	121	144	162	157	105	152	157	143	142	140	136	135
Keokuk	113	86	114	102	117	120	113	119	107	105	125	134	117	86	127	141	132	126	132	135	133
Kossuth	299	291	304	241	308	237	274	272	234	206	238	260	261	180	280	290	276	274	268	255	268
Lee	80	48	79	63	81	77	74	71	64	71	93	106	97	54	88	88	86	83	81	89	95
Linn	146	133	143	131	146	149	149	143	126	120	134	151	153	103	153	163	152	152	147	157	160
Louisa	83	75	88	80	88	89	88	84	83	76	90	102	97	67	98	106	97	86	83	85	83
Lucas	24	7	27	16	32	30	29	30	27	30	42	46	39	25	40	48	43	43	41	40	44
Lyon	162	148	154	132	153	147	143	138	123	120	140	155	155	111	153	156	164	169	154	149	139
Madison	63	56	70	51	73	71	74	71	63	62	95	104	92	56	76	87	88	89	83	82	85
Mahaska	124	105	125	104	124	124	119	120	104	104	111	126	121	91	128	135	136	135	131	136	143
Marion	63	61	77	60	79	74	74	76	71	69	85	93	74	48	77	90	88	82	79	67	90
Marshall	138	137	146	134	155	146	151	149	132	127	142	149	145	96	154	163	161	156	150	160	169
Mills	97	84	100	87	100	96	100	96	83	81	93	102	98	61	102	114	103	103	100	94	99
Mitchell	132	125	130	110	135	121	124	120	104	97	112	124	118	82	127	124	122	119	120	114	119

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	159	139	156	141	167	161	163	165	144	128	159	178	155	121	175	184	164	162	172	163	168
Monroe	26	8	28	15	31	28	27	29	23	26	40	43	39	22	33	38	35	42	40	41	43
Montgomery	89	75	90	81	90	88	89	87	78	71	79	83	84	60	86	96	97	105	96	96	95
Muscatine	96	90	100	84	99	97	92	96	86	86	111	128	128	76	104	108	102	97	101	93	97
O'Brien	158	152	160	135	161	158	160	157	140	126	145	162	158	112	158	162	150	155	163	152	157
Osceola	117	108	112	72	111	108	107	105	94	80	95	110	102	63	107	112	109	110	106	103	104
Page	101	78	99	88	102	101	101	97	86	82	93	101	93	68	95	103	113	112	107	107	109
Palo Alto	152	143	154	125	158	122	151	149	132	125	156	182	164	100	162	171	160	155	154	151	160
Plymouth	208	204	217	203	227	213	217	211	187	189	210	239	231	155	233	236	234	244	235	225	223
Pocahontas	172	163	173	150	168	146	156	157	138	121	150	168	153	97	170	175	169	162	158	152	160
Polk	95	87	96	81	101	95	97	99	85	78	86	98	95	67	101	117	110	114	110	120	118
Pottawattamie	218	217	237	214	243	236	235	227	202	198	229	256	247	147	220	241	245	214	220	223	221
Poweshiek	109	112	119	109	123	124	122	115	93	101	112	125	123	88	146	141	131	125	130	130	128
Ringgold	42	15	46	36	49	48	46	48	37	40	63	70	62	33	55	64	62	65	62	62	65
Sac	165	151	161	146	157	145	150	150	133	115	137	153	148	112	159	163	169	169	155	160	155
Scott	119	120	127	118	128	126	123	123	109	107	115	136	142	113	148	144	136	134	135	127	130
Shelby	168	169	179	168	181	176	175	173	151	134	171	194	179	109	178	185	182	182	168	169	177
Sioux	223	224	240	210	237	233	228	223	203	186	207	233	218	143	226	250	236	241	234	218	194
Story	156	152	160	140	160	156	161	161	142	123	148	168	161	97	146	161	170	164	158	156	157
Tama	162	163	179	162	184	175	182	180	161	147	171	197	179	108	181	190	176	174	177	180	178
Taylor	65	33	68	59	70	66	67	67	59	57	76	90	75	55	71	84	81	78	71	74	67
Union	39	29	52	39	52	50	51	47	40	39	60	68	56	38	49	62	57	57	53	52	55
Van Buren	44	12	46	34	48	49	46	45	43	43	58	70	57	34	58	64	58	58	55	58	60
Wapello	62	29	58	40	59	57	56	53	45	48	50	57	51	33	59	67	65	63	62	66	64
Warren	66	58	75	53	80	77	78	82	64	68	97	105	92	55	79	95	87	85	86	77	86
Washington	127	109	130	116	132	139	134	130	120	119	141	165	148	109	153	160	151	151	150	153	141
Wayne	41	9	49	38	54	50	45	48	40	45	73	86	72	38	66	78	64	61	61	66	63
Webster	188	176	190	164	186	166	174	172	151	133	150	162	158	119	175	188	189	183	179	181	189
Winnebago	127	124	129	104	134	104	120	117	99	89	111	118	119	80	119	130	116	114	108	109	118
Winneshiek	134	125	127	109	131	131	123	117	88	109	129	140	136	84	137	146	141	130	128	119	117
Woodbury	187	170	193	181	207	207	208	205	185	162	199	216	199	132	239	271	251	260	242	238	236
Worth	103	107	112	93	112	99	104	103	91	80	103	117	113	71	111	115	116	110	110	114	118
Wright	170	166	175	155	174	136	161	157	140	120	139	163	164	102	163	172	179	177	174	164	168
State of Iowa	12450	11400	12700	11000	12950	12200	12400	12250	10700	10150	12050	13550	12900	8550	13150	13850	13300	13100	12850	12700	12900



Table 2. Estimated Bushels (in 1,000s) of Corn Produced in Iowa Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	12612	8160	16425	7558	15736	13802	12856	13892	7898	11496	13071	14294	11050	5660	11740	14537	10400	13300	11300	5509	10893
Adams	7953	3806	9054	4250	8516	8024	7461	6661	4035	6250	6923	8124	4254	2747	6511	9523	5800	8500	6400	4132	6938
Allamakee	9566	8237	10569	5241	9406	9471	9080	8001	3603	8455	10267	9295	8861	5621	9976	11286	8700	9300	8850	8249	5671
Appanoose	3073	463	4082	1368	3866	2883	3152	2458	1184	2870	4397	5035	2858	372	2941	4444	3300	4300	3350	2388	3537
Audubon	13881	11197	15793	7852	16116	14242	13323	14203	9063	12478	13987	16432	11917	7659	13878	14682	11600	14900	13150	6924	9003
Benton	25173	20371	26202	14065	25493	16693	21111	18818	8962	21042	23779	22419	23024	11089	22677	22790	18500	23200	22300	14386	16307
Black Hawk	20363	18767	22866	10109	24034	15935	18712	13818	9616	17197	20935	21268	17186	11687	18253	20221	17900	20100	17300	15698	13054
Boone	21863	20056	24017	10345	23041	16352	15902	17670	10335	15463	17495	16832	15355	9737	19082	18466	18300	21700	18250	5174	16143
Bremer	17380	15134	18120	8723	19174	14792	15390	11268	6571	12298	15381	16458	13403	7920	14376	17229	14400	14400	13300	12572	10168
Buchanan	23610	19063	26179	12500	27270	22359	23631	19568	11251	20166	23915	22075	21353	12987	22238	23735	21000	23200	19050	17866	16856
Buena Vista	23276	22186	26389	11868	25244	18161	20162	20990	15662	16052	19036	21282	15426	8713	20562	22811	20700	21800	21300	19524	12135
Butler	22015	18249	21336	10066	24094	18277	19907	14032	12827	16684	20834	23788	19295	10870	20286	22321	21000	21500	18700	15163	15373
Calhoun	24208	21986	28684	11956	27385	16762	19012	20596	16202	16724	20796	22376	18005	10524	20292	21547	19500	21500	18500	12743	13469
Carroll	21451	20013	25356	10364	24637	19402	19370	21022	15931	17242	19666	20213	16595	9091	18165	20430	15700	19800	17050	7051	11351
Cass	15425	12642	19045	8299	19806	16387	15764	16224	9947	13592	14827	16042	12658	7661	15029	16407	11400	17700	14750	10308	13584
Cedar	22406	19416	26631	14404	25514	19236	23723	22056	9110	16117	20882	22097	21505	10099	25460	25861	22300	25500	23550	21235	19762
Cerro Gordo	22878	20314	24514	9254	24695	18339	22759	15671	13981	16157	21262	21714	18315	12550	21365	22808	20700	19900	18100	16566	16688
Cherokee	19742	17438	21397	11583	21869	19137	18813	18777	14914	13766	16564	18464	15915	7793	18186	19077	16000	18400	18150	15039	9712
Chickasaw	16669	15534	18787	8250	19163	15968	15808	12041	7166	13927	17418	16169	14002	7865	15065	16840	14800	14800	13250	12158	8375
Clarke	2642	338	4822	942	4598	3753	3746	2542	1249	3710	4493	6260	2522	830	3926	6362	3600	4300	4300	1617	3533
Clay	20411	17469	22626	6894	21206	14925	18073	17555	11595	13924	16330	17786	13706	7347	17792	21401	19200	19000	16650	15671	12228
Clayton	18850	16497	20714	12262	21097	19750	19454	17407	7655	18801	23080	20538	19528	11803	19530	20615	17400	18600	17350	16298	12129
Clinton	27351	24114	31300	17560	27930	20755	25998	23426	8828	18206	25722	26002	25821	13364	28245	28758	25700	27400	23400	21922	19262
Crawford	22031	18726	26298	12447	25490	20885	21297	21042	15045	16096	18905	20206	17797	9155	17972	16427	12200	19300	18750	10758	9241
Dallas	19476	17281	21186	11681	21306	17097	17518	18735	10591	15132	16627	16558	16807	8254	18450	20266	15500	20900	15900	8082	16600
Davis	4699	699	5042	2022	5662	4097	4590	2712	2044	3857	5798	7479	5115	691	5045	6766	5800	7100	5600	2968	5613
Decatur	3988	441	4460	1195	4187	3382	2893	2731	837	3932	6786	7790	4410	896	4574	6496	4000	4600	4700	2254	4175
Delaware	26565	20921	27934	12840	26219	23057	24619	21021	9116	20348	24168	20861	20729	10962	23444	24075	21300	22600	19050	17206	15216
Des Moines	9862	7414	12164	6228	10851	6991	9390	6001	4542	7532	13475	14104	13700	4491	12437	13413	10800	12900	10100	8900	10561
Dickinson	12382	10022	12755	2528	11829	9431	11019	11635	8067	9011	11345	11859	10240	4732	11208	13509	11800	11700	11400	8503	6074
Dubuque	18292	13500	17122	8776	16317	15107	15423	12109	5675	13576	16835	14561	15048	8909	16710	16343	15500	16100	13100	11656	10178
Emmet	15835	13389	16914	2811	15912	11421	13798	14218	10386	11417	16206	16959	12099	6780	14775	16244	15300	13500	13050	11061	8492
Fayette	26209	24203	27860	13980	28916	26554	26410	22854	12128	20615	24371	22906	21083	12515	21180	25560	23600	23700	20900	19338	16576

Table 2. Estimated Bushels (in 1,000s) of Corn Produced in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	19205	15826	19631	8840	20201	16297	18334	10648	9386	14364	17597	18366	16158	7817	16059	17865	16800	16800	14700	13550	11632
Franklin	27202	22578	26768	10480	29143	16997	22220	21688	16218	18591	21936	24310	19463	11549	22986	24533	23600	22600	20100	13885	17596
Fremont	16218	9364	16644	6491	18391	14187	12961	13943	11099	10347	14759	14494	10037	5894	9532	13517	10500	14000	11450	6710	12290
Greene	23801	21039	25822	11813	26161	18200	17632	18600	12336	15976	17427	18057	16028	9369	19287	21231	18400	22200	18300	5472	15358
Grundy	20908	20644	24198	11149	26184	18412	18868	15309	12577	18144	17812	19864	16757	11941	20717	21006	18600	20600	18500	14824	17760
Guthrie	15196	11851	16657	7954	16489	13157	12777	14465	9072	11352	14814	16301	13194	6165	13519	14347	10700	13100	11250	5818	8747
Hamilton	25837	23405	28267	11044	27672	18347	19190	24542	10900	17462	19706	20430	15755	10306	20749	23960	21300	23200	19950	12988	17942
Hancock	24509	20669	25805	10818	26440	16758	22427	20469	16886	17463	22564	24026	18094	9823	21655	24697	21200	21200	20450	18488	16477
Hardin	24160	23595	27183	11975	28310	19034	20652	18803	11528	19456	22359	25450	21114	13980	22578	22537	20400	22500	19050	14960	18338
Harrison	22961	16394	23104	14366	25757	18340	17541	14940	13006	17360	19137	21838	16066	8362	18113	16211	13600	19700	18200	12251	12920
Henry	11546	7970	14183	6336	13319	9018	10852	6385	4942	7720	11328	12738	10868	3436	13185	15097	12600	14100	10900	9883	12410
Howard	15396	13170	15024	6026	14033	12400	13847	12647	5612	10730	13915	13038	12313	6927	11130	14543	13000	12200	11350	10395	6945
Humboldt	20804	17291	21329	8445	21491	10782	15375	18289	11861	13693	15413	15522	13594	7522	16807	18514	15200	15800	16200	12091	11768
Ida	15996	14039	17858	9853	18534	15243	16232	16300	13179	12096	15017	17063	15614	7630	15102	14108	8900	14200	15550	12913	7882
Iowa	15140	11606	19749	8716	16951	13684	15111	12965	3156	14483	18008	19135	18062	6585	18467	20628	16500	18400	15300	10649	14904
Jackson	13102	10378	14440	7352	12287	9117	12747	10955	3321	9838	13067	11587	11931	5593	15092	15585	12300	12200	10800	9636	7577
Jasper	21861	20183	26126	14183	25262	18456	20651	19166	11165	19192	19766	22299	22078	9726	21140	22335	17900	21400	19150	8802	18870
Jefferson	7912	3691	10817	4115	10054	7382	8879	6277	3442	6969	10967	11500	10288	1569	9093	10166	7700	9400	7800	6360	8641
Johnson	13057	10452	17613	8093	16658	12366	15130	12013	4921	11537	15995	16691	16885	8231	18649	19969	15700	19200	15800	14633	15728
Jones	21972	16915	22929	11164	20655	16522	18861	15402	5833	15062	20941	20233	20520	9341	20035	21101	17800	18800	16750	14042	11602
Keokuk	13919	8992	17398	8025	15621	11632	13572	12360	4197	13437	16568	16484	14409	3325	15612	17848	15300	17000	15000	9215	14535
Kossuth	42959	38380	47625	18020	48520	25808	38011	39247	28548	30099	36246	37065	30678	17738	37409	40075	36400	35700	33450	25897	25324
Lee	11076	5704	12397	4877	12033	7634	8178	3309	2454	6725	12207	14457	11905	2199	10976	10230	9300	11500	8000	5130	9137
Linn	20375	15203	22073	10696	20703	14178	18979	16463	6056	15077	18356	17314	19306	8000	19731	21473	17400	19800	17000	15140	15196
Louisa	10661	8875	13676	7205	12465	7983	11515	6221	4087	7551	12049	12305	12652	4225	12851	14398	11900	11800	9050	9027	9080
Lucas	2593	470	3468	851	4088	3003	3018	1922	1256	3097	4995	5341	3254	820	3273	5513	3900	4400	3800	1683	4024
Lyon	22446	17827	23444	11335	20570	18122	16624	16467	8745	14472	18856	18629	16057	9514	16050	17272	16900	19400	17000	14184	7946
Madison	7733	5824	10622	3803	10388	8201	8275	9074	4406	7500	12151	12265	8122	4098	7622	10842	8700	9800	8650	2943	8240
Mahaska	16013	12149	19823	8708	17896	12891	14462	13478	5867	14079	14019	16506	14296	4530	15011	16426	14700	17300	13550	6641	14792
Marion	7440	6410	12364	4872	10913	8084	8865	8566	5820	8898	10995	12020	8088	2905	8143	11458	8100	9700	8300	1229	8839
Marshall	19374	18449	22174	11499	23832	18628	19221	18091	9299	18209	18992	19666	17819	10490	19931	19690	19200	20600	16650	6780	17700
Mills	12911	8907	14723	6486	15618	12716	11988	10538	8960	10259	12163	13063	9641	5526	10534	13351	10200	12600	10700	5311	9406
Mitchell	18484	16763	19192	7461	18560	15186	17870	15493	8601	12409	16098	15215	13606	7833	15401	14742	14700	14800	13400	12285	8675

Table 2. Estimated Bushels (in 1,000s) of Corn Produced in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	
Monona	19763	13411	21720	12790	23943	16700	18055	17131	13770	15720	18862	19331	15666	9038	19513	17110	12100	16400	19650	13915	9003	
Monroe	2979	664	4142	892	3589	2970	3002	2777	1063	2769	4491	4947	3528	644	2579	4352	3300	4500	3600	1854	3967	
Montgomery	11573	6815	12600	6061	13616	11269	10572	10565	7488	8740	10223	9888	7385	4913	8397	11283	8200	13300	9850	7077	9735	
Muscatine	12045	10645	15996	6720	13922	9035	11618	10165	4578	8514	14837	15372	16214	6917	13614	14199	12200	12600	11400	10680	11259	
O'Brien	22206	19701	24339	10214	23336	19252	21439	22247	17293	16819	21079	21396	17795	10754	18421	20847	19400	19800	19650	17021	14472	
Osceola	15847	13906	16284	5107	15154	14536	14151	13750	10321	11156	13394	13797	11483	5563	12832	14214	13600	12900	12800	11268	7920	
Page	13798	7031	13311	6744	15262	12409	11508	10720	6567	9381	12370	11932	6811	4990	8906	12123	8300	12700	10400	7089	10838	
Palo Alto	21775	18183	23675	9005	24474	12834	20622	18675	14084	17199	21846	24084	16452	8751	20474	23310	21500	19400	18350	15532	13863	
Plymouth	28728	24054	32165	19611	32738	26530	24972	24489	13291	21983	25466	29053	26063	12454	25471	24096	19600	28500	27150	20042	11826	
Pocahontas	25768	22712	28176	11195	26969	17308	19186	22104	14875	16632	20205	24621	15557	8112	22342	24412	20800	21600	20750	16257	13489	
Polk	14003	12490	16100	7697	15578	10541	12105	12690	7340	11326	10859	11450	11501	6248	12610	15580	11000	14600	12350	7338	12748	
Pottawattamie	29548	23290	35334	17310	37944	32110	28433	22780	19990	27130	31280	34675	28887	12571	25390	27039	24100	27200	26150	19275	20948	
Poweshiek	14536	12589	17743	8570	16732	13128	15163	12434	4822	13154	13698	14949	14259	6651	17771	17006	14500	15800	14350	10101	13007	
Ringgold	4938	1006	6351	1516	6105	5162	4417	4795	1670	4344	7026	8581	3753	1485	4533	7493	3400	6900	6200	2854	5825	
Sac	24560	19610	25951	11812	24748	17089	19239	18946	16507	15210	18132	19863	16028	9490	18666	19584	14500	20900	17600	14178	8582	
Scott	16574	15730	20997	12540	19027	14315	16623	16292	6963	13263	16554	17504	18058	10978	20087	20198	18000	18000	16600	15245	15100	
Shelby	22702	19168	26614	14290	26243	22963	21752	20709	14306	16938	21898	25929	21117	8856	20972	19332	15900	23100	20000	11180	14112	
Sioux	32605	28683	38416	21609	34399	28648	28088	29950	18190	21769	27044	30219	25139	12902	24656	28951	26000	29400	26000	19647	11973	
Story	22768	21314	24929	10893	25712	19166	18664	20437	12125	17818	20016	21405	19203	11053	19187	20818	21500	22900	18400	5047	16759	
Tama	21224	19649	25469	13192	26175	19787	22278	18201	14510	20198	22452	24294	21677	11708	22682	23671	20100	23100	20650	15575	17665	
Taylor	7341	2125	9214	3621	8981	7797	6502	6353	3558	6288	8708	10969	4550	2460	5876	9616	5300	8500	6300	4885	5577	
Union	4733	2098	7477	2052	6734	6277	5685	4810	2692	4556	6530	8488	4595	2421	4464	7246	4600	6200	4900	2086	5238	
Van Buren	5600	1091	6303	1946	6490	4673	5048	2893	1732	4316	6360	8152	6114	1030	6066	6630	5400	6700	5200	2659	5398	
Wapello	7915	2847	8789	2995	8233	5546	6515	5631	2833	5291	6575	6478	5654	1072	6918	8762	6800	8300	6400	5426	7123	
Warren	8438	6100	11560	3801	11029	8636	8773	8819	5321	8500	13262	13697	9278	3332	8114	12204	8700	10300	9050	2084	8560	
Washington	16138	11648	20208	9333	17996	14161	17568	12081	5026	13826	19808	20341	18229	6651	19920	20848	18800	20900	16900	14796	16039	
Wayne	5506	636	6612	1568	6403	4918	4285	3646	1809	4990	8521	10212	5278	857	5303	8710	6100	6800	6150	3525	5953	
Webster	29244	26095	32368	13612	30496	20221	21706	25731	14198	19255	21510	21859	17007	13204	22875	26691	24000	25700	23000	15242	18392	
Winnebago	17496	15764	19481	7053	19646	11326	16720	15066	11728	12363	15795	15409	13990	7799	14676	16840	13400	14300	13100	11697	10454	
Winneshiek	17919	15274	17805	9273	16401	17152	16817	14179	6078	14612	17974	15707	15327	8982	14917	17795	16600	15400	14750	13161	9392	
Woodbury	24671	18176	26763	16433	30077	21947	23568	22945	14791	19623	22709	23868	21548	9913	26671	25247	17000	27100	27850	23570	14457	
Worth	14346	13736	16466	5851	15358	11636	14801	13393	8973	10856	14540	15656	13281	7315	14085	13600	14000	14300	13300	11936	9972	
Wright	25909	22900	27273	11422	28362	15166	21496	23307	15556	17181	20927	21656	19139	10393	21203	24925	21200	24100	22000	17224	17076	
State of Iowa	1718100		1930400		1903650		1562400		898800		1626750		1444800		1578000		1463000		1477750		1173900	
		1402200		880000		1427400		1445500		1319500		1707300		743850		1731250		1663700		1092200		

Table 3. Estimated Bushels of Corn Produced Per Acre in Iowa Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	119.9	85.0	151.0	76.8	140.0	126.4	115.1	131.4	86.1	128.4	128.3	127.9	97.4	77.3	102.2	121.0	89.7	114.7	103.7	50.1	100.1
Adams	125.4	87.3	148.2	79.0	135.4	133.7	119.4	110.1	73.5	125.8	119.6	126.1	70.0	60.1	95.3	119.6	78.4	116.4	95.5	60.8	101.6
Allamakee	126.7	117.0	146.4	83.2	129.4	132.6	132.7	122.2	66.1	136.2	138.7	114.6	112.7	109.6	116.3	127.2	114.5	124.0	118.0	118.5	87.4
Appanoose	118.6	68.1	134.7	64.5	117.5	90.4	103.3	83.0	50.4	110.0	124.2	119.9	89.3	19.1	85.0	107.6	86.8	116.2	90.5	60.6	88.2
Audubon	131.9	118.2	151.1	80.6	147.0	132.0	122.0	132.0	91.7	133.5	126.1	130.6	101.6	89.6	112.0	115.4	90.6	120.2	107.8	62.5	77.7
Benton	135.8	117.8	143.7	84.8	140.9	93.2	120.5	107.3	57.4	138.0	134.3	113.1	121.2	90.8	125.1	126.1	105.7	134.1	120.5	83.6	92.3
Black Hawk	134.0	129.7	152.0	73.6	156.3	111.2	125.0	92.9	74.1	143.0	144.9	130.3	106.5	111.0	128.2	132.5	117.8	137.7	118.5	109.8	92.1
Boone	148.9	149.9	165.3	84.0	163.8	123.4	118.8	130.5	86.8	142.9	144.9	125.2	120.8	111.4	128.7	121.9	118.8	141.8	120.9	33.6	102.1
Bremer	141.4	129.2	151.0	79.7	155.8	130.9	133.6	99.3	70.5	137.6	142.5	137.7	115.2	113.6	124.5	135.0	123.1	130.9	122.0	116.0	88.9
Buchanan	143.1	114.8	150.8	76.6	151.1	123.5	133.3	113.6	75.3	141.4	145.6	117.0	118.4	100.4	130.0	133.3	126.5	140.6	122.1	108.4	99.7
Buena Vista	145.3	140.0	159.0	80.3	153.7	120.5	130.4	132.4	113.0	131.4	131.6	132.4	98.3	81.4	124.9	129.9	121.8	129.0	127.5	119.9	74.2
Butler	143.2	125.1	140.0	73.9	152.3	125.6	129.5	94.3	94.2	131.6	134.2	132.5	113.7	104.5	123.9	127.0	124.3	127.2	111.3	92.4	90.1
Calhoun	148.7	142.3	171.5	83.3	167.6	116.0	125.4	134.6	123.4	143.2	134.6	127.1	104.4	101.2	127.8	135.1	123.4	138.7	123.3	83.8	85.6
Carroll	142.8	131.1	161.3	70.5	153.5	122.1	120.7	129.4	115.9	135.8	138.5	129.0	109.3	87.8	114.2	124.6	98.1	123.8	110.7	50.6	72.9
Cass	129.9	108.9	145.6	72.1	148.8	131.4	123.9	131.4	91.5	132.9	129.8	131.9	107.0	91.3	110.4	116.3	88.4	122.9	109.3	76.3	103.9
Cedar	139.5	121.4	157.5	91.3	147.7	108.6	136.5	131.8	61.3	120.6	144.0	134.7	134.7	90.9	138.1	141.5	124.6	144.1	129.4	123.7	117.1
Cerro Gordo	143.7	127.1	147.6	64.8	143.7	120.0	136.8	97.0	100.2	133.0	144.7	125.8	111.9	109.3	126.9	134.2	130.2	131.8	119.9	104.3	93.9
Cherokee	138.2	129.2	151.0	87.5	150.7	135.8	130.7	132.7	120.0	129.3	134.8	126.4	116.4	89.8	123.5	122.6	111.9	126.0	122.6	106.3	69.6
Chickasaw	127.2	124.3	143.6	71.0	140.6	130.1	130.0	98.8	69.0	133.0	136.3	115.0	103.4	97.2	111.2	124.3	122.3	128.7	115.2	111.7	74.1
Clarke	95.7	65.0	130.3	43.0	121.0	102.3	104.3	68.2	39.3	100.0	100.5	130.4	61.2	27.1	79.6	114.4	83.7	97.7	97.7	40.9	95.2
Clay	140.0	127.6	156.0	66.0	147.4	112.2	133.7	130.5	100.3	136.5	136.9	134.0	104.2	84.4	113.5	134.8	126.3	129.3	117.3	112.1	85.6
Clayton	135.1	119.8	146.3	89.9	134.7	133.7	141.4	134.0	66.9	139.0	146.6	120.8	116.4	106.6	123.8	126.1	116.0	125.7	118.0	117.6	92.6
Clinton	146.1	130.7	159.9	100.7	142.0	105.8	137.3	122.2	53.3	109.3	135.1	116.1	113.6	87.9	131.2	134.5	123.0	130.5	114.7	109.1	95.6
Crawford	132.6	112.2	150.8	76.7	144.8	122.8	125.5	122.6	103.7	127.1	126.9	116.9	110.6	80.0	110.4	94.8	67.8	106.6	112.3	64.3	52.8
Dallas	136.9	134.7	156.6	95.4	153.6	124.3	127.5	139.5	88.2	140.0	132.1	113.6	114.7	89.0	126.5	134.8	96.9	135.7	106.7	52.3	104.0
Davis	125.3	65.9	132.0	63.6	129.0	93.3	108.0	66.0	52.5	92.9	108.4	125.3	101.5	21.4	95.7	106.6	105.5	118.3	96.6	47.8	90.4
Decatur	131.6	68.9	138.5	48.8	124.6	105.7	97.4	84.8	39.3	108.0	117.4	120.4	84.2	28.1	89.5	113.8	83.3	102.2	102.2	50.1	94.5
Delaware	145.0	119.8	155.1	77.3	141.5	125.4	138.9	122.5	64.9	139.0	150.4	114.0	118.2	89.0	131.9	134.6	124.6	134.5	117.6	108.8	99.6
Des Moines	131.8	120.0	159.8	94.1	145.5	92.5	128.5	83.0	64.8	110.4	147.1	138.0	134.4	67.6	134.2	139.0	116.1	138.7	108.6	96.8	112.8
Dickinson	141.5	125.6	145.3	55.6	135.0	120.3	128.3	136.2	106.4	133.3	138.5	123.9	114.7	84.5	118.1	131.2	125.5	121.9	120.0	97.0	67.1
Dubuque	147.5	119.3	149.8	84.8	134.4	130.0	136.5	108.6	64.2	131.2	147.5	120.1	124.4	95.6	129.5	123.8	122.0	129.8	113.9	103.6	95.5
Emmet	145.1	128.0	153.9	53.4	147.5	118.0	134.5	139.8	111.6	142.9	147.9	133.1	101.9	89.0	125.2	143.8	139.1	127.4	125.5	108.2	80.0
Fayette	132.9	129.1	143.8	80.4	143.9	136.6	135.9	123.1	79.0	141.6	143.6	122.5	115.8	106.8	116.5	132.8	125.5	132.4	120.1	113.0	97.3

Table 3. Estimated Bushels of Corn Produced Per Acre in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	141.6	125.0	142.5	73.0	144.3	124.6	138.7	83.3	83.8	131.7	140.9	131.2	115.7	97.3	119.7	129.5	126.3	131.3	116.7	110.2	89.0
Franklin	152.2	132.2	148.5	65.7	158.9	117.3	130.8	128.0	110.5	141.4	148.1	140.3	117.3	108.1	127.6	133.9	131.8	132.2	120.4	86.8	103.6
Fremont	136.1	110.0	143.0	79.4	155.3	128.3	115.2	122.1	112.0	118.3	143.2	122.1	96.5	85.2	94.7	120.2	93.8	116.7	95.4	55.0	103.5
Greene	149.1	140.6	160.9	84.1	169.2	124.6	121.3	127.7	99.6	147.1	138.4	132.0	121.2	104.4	127.3	136.3	112.9	141.4	119.6	37.8	93.6
Grundy	129.5	133.9	147.9	77.4	160.1	121.6	117.6	95.5	89.9	140.2	125.2	127.9	108.7	118.0	130.4	131.7	122.4	137.3	119.4	97.7	109.0
Guthrie	134.4	119.5	155.5	81.6	147.2	121.2	121.0	135.9	93.5	130.6	126.0	122.4	109.0	84.5	112.3	120.4	96.4	123.6	107.1	55.9	85.5
Hamilton	148.4	145.5	166.4	74.6	164.5	123.5	120.3	154.4	80.4	143.4	146.8	140.1	113.6	104.4	130.0	141.1	125.3	140.6	119.5	77.1	101.0
Hancock	146.4	127.9	153.4	74.9	151.1	110.4	138.0	126.0	115.0	137.1	149.4	139.4	108.8	99.6	126.3	141.0	127.7	130.9	125.5	112.9	98.8
Hardin	141.6	141.8	156.2	77.1	164.7	122.1	123.6	116.9	83.7	143.4	142.1	146.0	124.0	116.4	132.0	129.2	120.7	138.9	114.8	85.3	103.8
Harrison	141.6	110.4	144.2	98.6	155.0	117.1	112.5	97.3	91.1	136.3	128.6	125.2	103.1	87.1	109.7	92.5	80.0	118.7	115.2	73.4	75.7
Henry	132.9	119.8	159.2	80.1	144.8	98.2	122.9	72.1	60.9	103.9	131.4	131.2	114.3	47.1	126.9	134.0	118.9	138.2	110.1	94.2	117.6
Howard	134.3	125.1	140.1	63.1	122.6	121.0	133.3	125.1	62.9	128.8	132.9	112.6	108.4	95.7	106.9	124.7	120.4	122.0	114.6	113.0	75.2
Humboldt	154.4	139.3	159.1	75.0	164.8	108.5	126.4	149.1	107.0	143.4	140.2	125.0	112.7	98.2	132.7	141.0	119.7	126.4	127.6	98.9	96.0
Ida	141.7	125.8	150.1	86.4	151.2	121.8	128.2	130.4	119.7	125.2	127.9	124.7	117.9	92.5	120.1	108.6	71.8	110.9	118.7	102.6	62.7
Iowa	121.0	103.4	151.6	79.3	131.0	106.9	124.9	104.8	32.0	123.9	130.6	128.3	123.4	69.2	119.8	126.6	113.0	129.6	110.1	74.0	107.2
Jackson	128.7	108.4	146.0	88.4	117.8	90.0	130.5	113.6	45.1	115.5	129.8	105.0	110.5	77.1	123.6	120.7	115.0	117.3	108.0	99.3	80.0
Jasper	138.4	130.5	157.1	96.4	149.1	114.1	126.0	115.8	76.0	138.4	127.4	123.9	127.2	82.6	124.8	123.8	102.9	125.9	112.6	51.4	107.8
Jefferson	122.5	96.1	155.6	70.0	137.9	99.9	123.1	86.7	57.2	103.4	133.3	120.2	118.8	32.2	118.2	121.9	101.3	128.8	105.4	76.7	108.3
Johnson	121.9	104.0	155.5	78.6	134.4	97.3	127.2	101.5	46.2	110.3	127.5	114.9	117.7	76.7	125.1	133.9	106.8	133.3	117.0	105.7	114.8
Jones	143.9	117.7	152.7	85.2	135.7	110.1	129.0	109.0	49.9	124.2	145.3	125.3	131.1	89.0	132.0	134.5	124.5	132.4	119.6	102.9	85.8
Keokuk	123.0	104.8	153.3	78.9	133.5	96.9	120.0	103.9	39.4	128.2	132.8	123.4	123.3	38.9	122.6	127.0	115.9	134.9	113.6	68.3	109.4
Kossuth	143.6	131.7	156.8	74.8	157.5	108.7	138.8	144.4	122.0	146.3	152.6	142.4	117.4	98.4	133.5	138.0	131.9	130.3	124.8	101.6	94.5
Lee	138.1	119.6	157.7	76.9	149.5	99.5	110.8	46.6	38.5	94.2	131.8	136.5	122.9	40.7	125.2	115.9	108.1	138.6	98.8	57.6	96.0
Linn	139.5	114.1	154.1	81.9	141.9	95.0	127.5	114.9	48.1	126.0	136.8	114.7	126.6	77.4	129.2	131.8	114.5	130.3	115.6	96.2	95.1
Louisa	128.8	118.6	155.6	90.6	141.2	90.0	131.0	73.7	49.5	99.9	133.9	120.6	130.3	63.5	131.5	135.7	122.7	137.2	109.0	106.5	109.5
Lucas	108.9	65.3	130.9	52.9	127.0	100.1	104.4	64.7	46.7	102.9	117.8	115.4	83.9	33.3	81.6	114.9	90.7	102.3	92.7	42.3	92.5
Lyon	138.6	120.5	151.8	85.9	134.6	123.2	116.4	119.3	71.3	121.0	134.3	119.9	103.5	85.6	104.6	110.9	103.0	114.8	110.4	95.1	57.3
Madison	123.5	103.6	152.0	74.3	142.3	116.3	112.4	127.1	70.5	121.8	128.3	117.9	88.6	73.4	100.4	124.2	98.9	110.1	104.2	36.0	96.7
Mahaska	129.5	115.3	158.5	84.1	144.8	103.8	121.7	112.6	56.2	136.0	126.6	130.9	118.4	50.0	117.6	121.6	108.1	128.1	103.4	48.9	103.4
Marion	117.9	104.4	159.7	81.2	137.4	109.2	119.3	113.0	82.2	129.3	129.8	129.9	109.0	61.0	105.8	127.6	92.0	118.3	105.1	18.3	98.6
Marshall	140.6	134.8	151.7	85.7	154.3	127.4	127.1	121.5	70.5	143.2	133.7	131.7	122.7	109.8	129.4	120.9	119.3	132.1	111.0	42.5	104.8
Mills	133.2	105.9	147.4	75.0	156.0	131.9	120.5	109.4	107.7	126.7	130.2	128.6	98.2	90.0	103.1	117.0	99.0	122.3	107.0	56.3	95.4
Mitchell	139.9	134.0	147.6	68.0	137.9	125.4	144.3	129.0	82.4	127.4	144.2	123.0	115.5	96.0	121.4	118.7	120.5	124.4	111.7	107.5	73.1

Table 3. Estimated Bushels of Corn Produced Per Acre in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	124.3	96.2	139.1	90.5	143.1	104.0	110.5	104.1	95.6	123.2	118.9	108.7	101.3	75.0	111.7	93.1	73.8	101.2	114.2	85.2	53.7
Monroe	112.8	84.1	149.0	61.5	117.3	107.2	112.9	94.5	46.6	107.3	112.8	114.5	91.6	29.8	78.6	114.5	94.3	107.1	90.0	45.0	91.8
Montgomery	130.0	91.1	140.0	74.6	151.8	128.5	118.8	121.0	95.6	123.3	129.1	119.0	87.7	82.2	98.0	117.2	84.5	126.7	102.6	74.1	102.6
Muscatine	125.1	118.9	160.8	80.0	141.1	93.3	125.9	106.0	53.0	99.1	134.0	120.4	127.1	91.1	130.9	131.8	119.6	129.9	112.9	115.1	116.2
O'Brien	140.7	129.3	151.9	75.6	145.1	121.9	134.2	141.8	123.5	134.0	145.7	131.7	113.0	95.7	116.7	128.4	129.3	127.7	120.6	112.1	92.1
Osceola	135.0	129.0	145.0	71.2	136.0	134.6	131.8	131.1	109.8	139.1	140.8	125.4	112.1	88.7	120.3	126.8	124.8	117.3	120.8	109.9	76.2
Page	136.6	89.7	135.0	76.7	149.8	123.3	113.8	110.2	76.8	113.8	132.6	118.3	73.2	73.0	93.5	117.5	73.5	113.4	97.2	66.6	99.6
Palo Alto	143.2	127.2	153.5	71.9	154.7	105.6	136.2	125.0	106.9	137.9	140.2	132.3	100.1	87.5	126.5	136.6	134.4	125.2	119.2	102.9	86.9
Plymouth	138.4	118.0	148.3	96.7	144.3	124.6	115.1	115.8	71.0	116.5	121.4	121.8	112.6	80.1	109.3	102.1	83.8	116.8	115.5	89.0	53.0
Pocahontas	150.3	139.7	162.7	74.6	160.1	118.5	123.3	140.6	107.6	137.3	134.9	146.4	101.4	83.3	131.5	139.7	123.1	133.3	131.3	106.7	84.5
Polk	148.2	142.9	167.0	94.7	155.0	111.2	124.3	128.2	86.4	144.5	126.0	116.6	121.1	93.5	124.6	133.5	100.0	128.1	112.3	61.3	108.0
Pottawattamie	135.9	107.2	149.3	81.1	156.0	136.2	120.9	100.5	98.8	136.8	136.8	135.5	117.0	85.4	115.7	112.1	98.4	127.1	118.9	86.3	94.7
Poweshiek	133.2	112.9	149.0	79.0	136.4	105.6	124.2	108.6	51.6	129.9	121.9	120.1	115.8	76.0	122.1	121.0	110.7	126.4	110.4	77.6	101.9
Ringgold	117.0	65.3	138.1	42.0	123.8	108.4	96.9	100.5	45.1	109.1	111.3	122.6	60.1	45.7	82.9	117.8	54.8	106.2	100.0	46.0	89.5
Sac	148.8	129.8	160.8	80.8	157.4	118.3	127.9	126.7	123.9	132.6	132.1	129.7	108.2	85.0	117.4	119.9	85.8	123.7	113.5	88.6	55.4
Scott	139.6	131.3	164.8	106.0	148.3	113.5	135.4	133.0	64.0	124.3	144.6	129.1	127.4	97.4	135.7	140.6	132.4	134.3	123.0	119.8	116.6
Shelby	135.1	113.8	148.4	85.0	144.8	130.5	124.7	119.9	94.5	126.8	128.1	133.7	117.8	81.2	117.9	104.6	87.4	126.9	119.0	66.2	80.0
Sioux	146.1	128.3	159.8	103.1	145.3	123.1	123.2	134.5	89.7	117.0	130.6	130.0	115.1	90.4	109.2	115.8	110.2	122.0	111.1	90.2	61.7
Story	146.3	140.5	155.4	78.0	160.5	122.9	116.3	126.9	85.3	145.1	135.6	127.1	119.5	114.3	131.9	129.5	126.5	139.6	116.5	32.4	106.6
Tama	130.9	120.5	142.3	81.4	142.5	113.4	122.4	100.9	89.9	137.0	131.7	123.6	121.1	108.7	125.0	124.4	114.2	132.8	116.7	86.7	99.1
Taylor	112.8	65.2	135.9	61.6	127.8	118.1	96.6	95.5	60.0	109.5	115.3	122.1	60.6	44.6	82.3	115.0	65.4	109.0	88.7	65.8	83.2
Union	120.7	71.8	143.8	53.3	130.0	124.8	111.0	103.0	67.3	115.9	108.5	125.4	81.5	64.0	90.4	116.7	80.7	108.8	92.5	40.3	94.5
Van Buren	127.3	92.5	138.2	56.7	135.8	96.0	109.3	65.0	40.4	99.9	109.8	116.8	107.1	30.0	105.5	103.3	93.1	115.5	94.5	45.8	90.3
Wapello	127.5	99.9	152.3	75.1	140.0	96.6	116.5	105.6	62.7	110.2	130.5	114.7	112.0	32.6	116.7	130.0	104.6	131.7	103.2	82.6	111.0
Warren	128.4	105.0	154.8	71.6	138.0	112.3	113.1	107.3	83.0	125.7	136.9	130.1	100.6	60.3	103.1	128.6	100.0	121.2	105.2	27.2	99.1
Washington	126.9	107.2	155.8	80.6	136.7	101.9	130.8	93.1	41.8	116.1	140.2	123.4	123.3	61.1	130.5	130.4	124.5	138.4	112.7	96.9	113.8
Wayne	133.6	69.1	134.4	41.4	117.9	97.6	95.0	76.0	44.9	109.9	117.5	119.4	73.8	22.7	79.9	111.7	95.3	111.5	100.8	53.7	94.2
Webster	155.8	148.0	170.8	83.0	164.0	122.0	125.0	149.9	94.1	144.8	143.3	135.2	107.9	111.0	130.6	141.7	127.0	140.4	128.5	84.3	97.3
Winnebago	137.4	126.8	151.4	67.7	146.9	108.9	139.6	129.2	118.6	139.4	142.6	130.5	117.6	98.0	123.2	130.0	115.5	125.4	121.3	107.2	88.8
Winneshiek	133.6	122.7	140.2	84.8	125.3	131.1	137.1	120.9	69.1	134.3	139.3	112.3	112.8	107.3	108.6	122.1	117.7	118.5	115.2	110.6	80.3
Woodbury	132.1	106.7	138.7	91.0	145.0	105.9	113.2	111.9	79.9	121.4	114.2	110.8	108.1	75.0	111.5	93.3	67.7	104.2	115.1	99.2	61.4
Worth	139.4	127.9	147.3	63.1	137.4	117.8	142.7	130.0	98.9	135.0	141.6	133.9	117.1	102.9	126.9	118.7	120.7	130.0	120.9	105.0	84.7
Wright	152.1	138.0	156.0	73.9	162.9	111.9	133.9	148.7	111.3	143.2	150.4	133.2	117.0	101.6	129.9	145.0	118.4	136.2	126.4	104.9	101.4
State of Iowa	138.0	123.0	152.0	80.0	147.0	117.0	126.0	118.0	84.0	130.0	135.0	126.0	112.0	87.0	120.0	125.0	110.0	127.0	115.0	86.0	91.0

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested for Grain in Iowa Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	96	86	77	77	70	69	66	67	68	63	69	64	63	65	62	61	57	58	55	55	52
Adams	53	55	45	45	44	44	42	44	42	44	53	50	49	45	48	44	39	37	36	35	31
Allamakee	12	10	8	7	5	5	4	5	6	4	4	4	4	4	4	3	3	3	2	3	
Appanoose	29	38	25	28	25	27	25	26	26	26	29	28	31	31	29	34	41	40	37	34	29
Audubon	94	84	77	75	72	73	68	72	70	68	71	68	73	64	62	56	54	54	49	42	36
Benton	154	144	141	139	135	134	126	132	130	122	129	126	126	127	129	117	114	115	110	100	93
Black Hawk	115	102	102	96	91	99	84	89	85	91	90	90	90	86	95	89	95	95	85	80	68
Boone	127	125	124	116	119	121	112	117	116	117	115	117	122	120	120	121	120	119	110	109	104
Bremer	80	70	70	65	60	62	53	55	54	55	61	56	56	57	60	64	75	74	64	64	51
Buchanan	98	87	85	81	76	75	68	75	70	68	66	61	67	66	76	82	93	94	78	73	62
Buena Vista	152	145	145	137	137	145	135	131	131	123	127	124	127	122	131	126	133	132	126	120	111
Butler	116	101	99	93	89	101	81	86	88	82	93	84	88	87	96	103	114	110	95	91	81
Calhoun	161	159	155	153	149	170	148	152	149	144	145	138	149	141	143	140	149	151	143	142	134
Carroll	145	128	124	121	118	114	111	115	117	110	104	97	103	102	108	103	103	101	92	91	81
Cass	97	97	92	90	87	87	85	87	84	80	78	76	75	78	81	72	70	68	63	63	61
Cedar	110	90	87	82	80	74	74	78	75	70	79	73	73	70	72	71	75	72	69	59	55
Cerro Gordo	119	111	112	108	97	112	99	103	100	101	120	112	118	109	115	110	112	114	110	103	94
Cherokee	136	122	121	114	112	109	103	106	106	96	103	97	96	93	96	95	96	95	88	84	71
Chickasaw	97	81	77	73	67	71	61	63	63	58	63	60	67	68	71	76	75	74	65	62	53
Clarke	19	26	22	21	24	27	25	26	25	27	32	32	34	34	33	28	32	31	29	24	22
Clay	138	132	129	115	126	129	123	128	130	120	131	125	128	116	125	120	128	127	119	114	106
Clayton	24	12	9	8	6	5	4	5	7	7	5	5	5	5	5	6	7	7	6	5	3
Clinton	96	84	83	77	77	75	73	77	65	66	76	71	72	65	66	67	69	70	64	57	46
Crawford	127	127	115	112	107	114	104	109	106	92	94	88	89	89	97	88	82	82	69	69	55
Dallas	140	112	112	108	106	108	101	108	104	102	108	109	109	108	118	112	106	108	98	92	88
Davis	33	37	29	28	25	30	28	31	33	36	44	42	43	44	41	41	51	50	44	40	34
Decatur	30	34	26	27	24	27	26	31	32	33	41	39	43	39	41	38	40	38	37	25	21
Delaware	49	42	39	34	31	28	28	29	28	25	27	25	25	24	25	28	33	30	26	25	22
Des Moines	62	72	62	60	60	58	53	58	51	48	48	46	47	49	55	48	57	55	50	45	43
Dickinson	86	77	80	72	74	81	71	73	74	73	73	72	73	73	80	78	84	81	76	73	70
Dubuque	14	9	8	7	6	5	5	5	5	4	3	3	3	3	3	3	2	2	2	1	2
Emmet	94	97	96	82	89	97	89	90	90	89	93	92	93	92	96	91	97	97	94	91	81
Fayette	103	89	85	79	74	75	68	68	70	71	77	74	77	72	76	80	88	86	76	70	56

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested for Grain in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	108	102	101	96	92	95	93	96	96	93	108	103	111	106	110	106	105	105	97	91	86
Franklin	124	127	126	122	116	144	116	124	122	117	139	128	129	121	124	116	124	127	116	113	98
Fremont	119	117	109	67	105	106	104	105	108	108	107	104	97	98	115	108	113	109	100	91	78
Greene	143	147	145	142	141	145	134	143	142	139	140	134	144	133	139	130	135	137	128	129	120
Grundy	117	126	127	123	118	123	110	107	104	108	120	117	120	107	105	101	105	107	100	89	84
Guthrie	91	86	78	77	75	80	75	79	77	73	72	69	76	73	74	70	66	66	64	64	57
Hamilton	135	139	141	133	134	145	128	131	131	127	127	126	131	129	144	141	147	144	134	129	126
Hancock	127	120	122	114	112	130	117	122	117	116	135	132	136	127	131	122	125	126	126	124	118
Hardin	120	117	118	114	111	124	106	112	111	110	119	115	122	107	115	109	111	113	101	94	87
Harrison	135	132	126	122	117	120	118	123	119	108	106	108	112	108	122	113	109	110	93	83	75
Henry	65	71	60	57	56	56	55	56	51	52	64	61	60	55	54	55	58	57	55	48	45
Howard	86	77	75	71	65	73	66	69	71	67	78	72	75	73	76	74	73	75	64	58	47
Humboldt	118	116	113	113	107	136	106	112	107	106	106	107	112	109	121	108	110	111	110	107	100
Ida	85	89	85	80	79	77	72	75	75	73	74	74	75	66	65	62	62	59	54	52	44
Iowa	70	65	53	53	51	46	45	52	49	46	56	51	50	42	47	43	46	45	40	37	33
Jackson	16	12	10	9	8	9	9	10	10	9	9	9	9	9	9	9	10	9	9	7	6
Jasper	119	115	109	97	101	103	94	104	102	105	113	104	106	97	101	90	88	85	80	72	70
Jefferson	56	70	56	55	53	56	54	60	54	57	70	66	65	57	60	58	57	57	54	52	48
Johnson	78	70	65	60	60	58	57	59	55	57	60	55	58	51	54	55	62	62	57	53	47
Jones	60	54	50	48	45	45	43	45	43	42	43	42	44	41	41	43	44	41	37	32	28
Keokuk	74	85	70	66	64	61	56	64	65	61	64	61	63	61	67	68	64	63	55	48	43
Kossuth	237	240	238	223	215	267	229	236	234	235	271	270	265	255	255	241	247	248	247	238	217
Lee	63	75	59	52	57	60	53	59	58	60	63	58	57	58	65	64	64	62	58	45	39
Linn	100	94	92	89	86	85	82	90	86	85	92	88	88	89	99	96	95	95	85	75	65
Louisa	65	69	65	59	61	57	54	59	54	53	58	53	55	51	56	52	50	49	47	47	43
Lucas	17	23	18	19	18	21	19	21	22	21	27	26	28	25	25	22	26	25	24	19	20
Lyon	138	126	125	113	117	115	113	120	113	109	112	114	119	105	108	105	102	99	82	77	71
Madison	69	61	54	57	52	56	52	54	54	49	57	56	60	52	59	57	57	55	51	48	44
Mahaska	87	96	84	73	79	78	71	80	81	75	83	76	72	74	77	79	77	77	72	65	61
Marion	69	68	61	59	57	59	55	60	57	55	58	53	56	54	55	54	56	53	52	42	39
Marshall	100	96	90	88	83	87	79	88	85	85	94	93	91	90	90	87	84	86	75	70	61
Mills	92	91	87	67	83	84	80	84	85	84	98	93	91	80	87	77	79	77	74	73	64
Mitchell	89	87	86	85	79	83	74	75	75	75	80	81	89	84	86	86	94	95	79	73	68



Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested for Grain in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	118	127	118	106	109	116	109	110	112	101	109	106	109	102	104	100	100	97	90	85	74
Monroe	31	28	18	20	17	18	18	20	19	20	23	21	23	22	23	23	26	26	25	22	19
Montgomery	91	86	75	71	74	75	71	74	72	76	78	72	70	66	76	70	67	70	65	63	58
Muscatine	66	66	61	52	58	58	53	57	54	51	58	55	53	53	53	51	50	51	50	44	44
O'Brien	145	147	147	139	141	140	135	137	134	127	136	133	138	130	135	126	137	131	125	118	109
Osceola	111	109	109	98	102	103	99	106	101	94	94	93	101	94	99	98	103	99	89	84	77
Page	95	99	87	85	87	92	90	92	90	90	88	84	91	86	94	86	83	88	81	81	72
Palo Alto	144	130	130	117	124	156	126	135	133	132	134	131	139	129	136	135	146	145	136	132	125
Plymouth	187	167	165	153	149	152	143	147	136	130	131	126	132	117	126	127	119	112	97	91	78
Pocahontas	162	163	160	157	152	168	145	152	148	144	148	147	154	146	152	147	154	154	147	151	143
Polk	81	83	82	72	80	80	75	79	77	76	81	81	84	75	88	89	94	91	84	84	79
Pottawattamie	174	184	174	166	165	171	162	167	163	158	160	162	155	146	160	143	140	129	125	119	115
Poweshiek	74	87	80	81	77	78	72	80	79	80	89	81	79	78	78	71	70	70	64	57	54
Ringgold	35	51	38	34	36	40	40	42	43	44	55	52	57	55	59	51	52	50	49	38	34
Sac	145	135	132	130	124	131	119	125	123	122	124	117	124	109	120	110	109	109	100	97	85
Scott	66	55	55	51	49	46	48	49	41	40	47	42	42	40	38	38	42	42	39	38	33
Shelby	110	111	104	101	96	96	92	98	95	88	89	88	96	84	85	80	78	77	64	62	55
Sioux	171	156	155	139	142	138	129	137	127	121	121	117	125	111	111	101	104	100	86	77	66
Story	133	133	133	126	125	127	121	124	120	121	126	122	131	123	136	133	131	130	117	112	109
Tama	111	112	106	106	100	105	96	107	104	105	113	109	109	98	111	105	105	105	95	88	77
Taylor	55	71	58	57	53	57	53	56	58	63	74	69	67	65	67	63	57	59	56	47	40
Union	44	49	37	36	36	36	32	33	34	31	36	33	36	32	34	29	31	30	28	25	23
Van Buren	48	46	37	39	37	39	37	40	38	39	48	47	50	50	47	45	47	46	45	37	34
Wapello	46	58	46	42	45	48	45	46	45	46	46	45	47	48	52	52	54	53	46	46	42
Warren	59	63	56	54	53	57	49	53	52	50	51	49	53	54	61	53	56	56	54	38	38
Washington	97	97	83	77	78	72	69	74	73	70	70	69	70	63	72	68	72	71	64	57	55
Wayne	25	51	42	43	37	39	38	40	41	41	50	48	52	52	50	54	54	51	49	36	36
Webster	174	181	177	174	171	182	166	176	170	166	173	169	181	172	178	173	179	181	172	165	159
Winnebago	90	89	88	85	76	103	84	84	84	84	98	96	94	91	97	93	106	105	97	100	88
Winneshiek	34	33	26	24	20	19	16	18	20	18	18	17	17	18	19	18	18	19	16	15	12
Woodbury	138	130	114	108	100	106	94	96	93	91	93	90	96	86	101	92	88	82	74	71	60
Worth	78	81	82	79	74	80	71	72	72	73	85	82	85	83	91	85	92	92	82	78	73
Wright	152	153	154	150	142	171	141	147	142	142	160	161	160	156	162	153	165	160	151	144	139
State of Iowa	9450	9260	8770	8300	8170	8630	7900	8280	8100	7900	8450	8150	8400	7960	8400	8050	8270	8170	7550	7080	6450

Table 5. Estimated Bushels (in 1,000s) of Soybeans Produced in Iowa Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	3550	2574	3869	2406	2902	2920	2415	2573	1936	2771	2906	2529	1597	2290	2026	2639	2120	2010	1850	1713	1571
Adams	2117	1536	2199	1480	1802	1797	1606	1549	949	1794	2098	1923	954	1196	1390	1769	1370	1340	1120	1086	975
Allamakee	565	427	396	246	179	212	185	199	175	158	161	123	127	154	132	146	130	120	110	80	81
Appanoose	1059	1107	1029	759	933	834	825	726	610	972	1099	999	730	612	754	1051	1130	1350	1000	1048	805
Audubon	3934	3714	4058	2595	3223	3255	2742	2955	2276	3049	2882	2703	2242	2367	2274	2434	1910	2020	1940	1382	1022
Benton	7123	6297	7317	4982	5965	5954	5718	5316	3159	5848	5680	4822	4292	4897	5100	4956	4730	4790	4430	3493	2973
Black Hawk	5225	5067	5424	3285	4231	4124	3812	3144	2332	4410	4068	3554	2787	3395	3588	3692	3950	3660	3230	2832	2092
Boone	5870	6110	6503	3766	5473	5044	4529	4851	2771	5426	4858	4647	4256	5014	4727	5091	5180	4800	4670	2602	3297
Bremer	3463	3472	3635	2146	2798	2634	2461	1867	1409	2492	2633	2178	1744	2181	2113	2182	2730	2590	2370	2383	1574
Buchanan	4460	3756	4436	2961	3396	3567	3087	2751	1914	3237	2882	2126	2060	2395	2733	3138	3710	3590	2970	2716	1982
Buena Vista	7012	6934	7602	4168	6370	5786	5588	5777	5074	5280	5331	4855	4005	3953	4901	5388	5410	4880	5180	5157	3048
Butler	5386	4840	4899	2763	4075	4021	3388	2906	2786	3680	3959	3183	2743	3220	3403	3843	4580	3850	3390	3157	2548
Calhoun	7690	7505	8520	4426	6829	6290	5948	6359	5521	6776	6031	5263	4625	5155	5497	5622	6440	5950	5760	4756	3889
Carroll	6260	5818	6542	3832	5443	4679	4545	4468	4352	4943	4647	3952	3447	3675	4047	4550	4210	4010	3840	2782	2408
Cass	3885	3476	4609	2778	3685	3671	3361	3443	2417	3381	3318	2867	1987	2738	2747	3009	2490	2580	2280	2249	1816
Cedar	5201	4085	4893	3175	3586	3674	3636	3675	2573	3267	3392	3290	2967	2835	3072	3306	3330	3170	2800	2524	2040
Cerro Gordo	4787	5013	5353	2615	4076	4213	4374	3258	3395	4376	4927	3837	3580	4021	4120	3759	4240	4140	3930	3832	3010
Cherokee	6204	5768	6333	4247	5223	5300	4702	4664	4540	4300	4673	3787	3435	3524	3735	4010	4070	3770	3690	3467	2185
Chickasaw	3875	4022	3812	2001	2806	2968	2626	2189	1583	2547	2406	1740	1895	2351	2207	2376	2490	2450	2280	2311	1358
Clarke	588	634	984	464	872	948	843	742	646	937	934	1223	750	713	930	996	1050	930	920	714	666
Clay	6132	5876	6421	2268	5556	5079	5471	5310	4624	5133	5052	4421	4127	4071	4366	4559	4790	4750	4390	4505	3142
Clayton	1142	601	444	284	268	240	192	215	167	321	197	178	183	171	177	216	260	240	210	213	104
Clinton	4609	4100	4531	3020	3616	3514	3637	3554	1836	3098	3150	2963	2655	2444	2787	3104	3110	3130	2390	2468	1495
Crawford	5517	5487	6076	4126	4699	4766	4488	4050	4006	3711	4108	3251	2877	3183	3690	3426	2760	3010	2870	2329	1417
Dallas	6532	4929	5896	3854	4669	4460	4211	4536	2553	4686	4452	3898	3513	3886	4665	5056	4450	4230	3430	2791	2653
Davis	1320	1127	1225	866	1034	1055	1004	737	811	1243	1584	1526	1121	796	1121	1375	1590	1790	1360	1217	984
Decatur	1106	969	1215	580	859	1020	813	833	599	1244	1579	1388	863	627	1191	1410	1240	1190	1130	761	652
Delaware	2430	1952	2077	1292	1396	1317	1246	1210	718	1221	1232	878	741	768	932	1131	1360	1180	990	1004	685
Des Moines	2680	2603	3162	2328	2707	2424	2406	2204	1726	1870	2066	1918	1676	1743	2188	2021	2230	2290	1880	1796	1541
Dickinson	3931	3312	3829	1185	3014	3181	2948	2988	2485	3014	2885	2405	2324	2501	2756	2880	3340	2880	2850	2460	1835
Dubuque	718	404	399	250	243	217	212	216	140	196	134	106	124	91	105	122	110	90	65	55	61
Emmet	3956	4169	4587	1191	3838	3433	3981	3766	3161	3993	4000	3337	2793	3439	3527	3549	4000	3100	3670	3531	2432
Fayette	4694	4463	4241	2634	3180	3418	3018	2852	2118	3339	3259	2829	2551	2628	2613	2946	3580	3050	2800	2624	1802

Table 5. Estimated Bushels (in 1,000s) of Soybeans Produced in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	4597	4872	4800	2919	3950	3816	4175	2669	2867	3997	4238	3462	3527	3812	3668	3423	3630	3470	3500	3443	2551
Franklin	5532	5876	6073	3196	5146	5279	4686	4995	4117	5279	6014	4952	4414	4635	4671	4137	4960	4850	4280	3979	3412
Fremont	4989	3974	5348	2294	4565	4414	3727	3406	3544	4257	4791	4191	2291	3482	3719	4620	4190	4100	3220	3107	2562
Greene	6915	6923	7702	4570	6706	5796	5360	5740	3964	6549	5975	5513	4985	5266	5473	5753	5680	5600	5510	3278	3581
Grundy	5678	6572	6610	4400	5689	5319	4847	4301	3653	5467	5509	4857	4091	4601	4326	4270	4570	4430	4220	3383	3036
Guthrie	3885	3485	4001	2469	3199	3290	2977	3049	2230	3155	2876	2567	2212	2552	2720	2938	2390	2360	2360	2022	1528
Hamilton	6139	6779	7425	3577	6293	5836	5024	6005	3184	5508	5279	5065	4480	4840	5351	6204	5880	5840	5240	3759	4132
Hancock	5354	5308	5452	2863	4631	4459	4757	4492	4166	5012	5558	4662	4303	4639	4861	4483	4890	4370	4590	4644	3998
Hardin	5500	5913	6284	3403	5188	4858	4801	4459	2955	5208	5332	4780	4477	4357	4361	4369	4510	4580	4130	3188	2770
Harrison	6011	4917	6493	4254	5185	4480	4332	3898	3436	4393	4246	4489	2843	3498	4402	4434	3600	3940	3600	3143	2021
Henry	2939	2827	3280	2260	2570	2482	2288	2069	1622	2042	2692	2509	2108	1754	2107	2336	2270	2400	2080	1964	1624
Howard	3341	3524	3516	1583	2218	2818	2653	2554	1689	2803	2770	1950	2198	2367	2239	2513	2490	2390	2160	2137	1141
Humboldt	5406	5579	5674	3053	4977	4927	4815	5182	3709	4915	4245	4008	3859	3949	4721	4481	4290	4020	4160	3875	3293
Ida	3918	4062	4573	3166	3515	3302	3106	3089	2951	2975	3371	2958	2543	2339	2497	2543	2130	2270	2260	2094	1255
Iowa	2964	2484	2781	1767	2063	1965	1814	1927	1089	2092	2212	2061	1727	1429	1697	1809	1760	1760	1320	1279	1068
Jackson	690	487	479	336	331	414	398	413	237	394	362	309	280	319	346	375	430	360	290	255	164
Jasper	5308	5505	5924	3498	4620	4469	4187	4151	3197	4923	4539	4147	3511	3863	3882	3966	3750	3380	3070	2511	2391
Jefferson	2332	2581	2878	1910	2256	2269	2055	2032	1295	2185	2611	2494	2110	1490	2010	2235	2160	2150	1860	1849	1598
Johnson	3152	2716	3375	1952	2490	2384	2519	2404	1466	2296	2323	2106	1873	1714	2053	2432	2480	2530	2040	2041	1659
Jones	2806	2347	2617	1770	1943	2182	2054	1712	1022	1956	1847	1602	1556	1456	1682	1903	1890	1740	1440	1296	856
Keokuk	3174	3430	3734	2479	2657	3009	2343	2372	1698	2706	2604	2459	2040	1814	2569	2863	2740	2490	1980	1824	1429
Kossuth	9956	10548	0625	4875	9183	8436	9667	9671	8762	10656	11440	10244	8669	9603	9655	8689	10130	8440	8700	8601	7348
Lee	2675	2840	3085	1901	2571	2210	1848	1654	1616	2054	2421	2308	1886	1626	2477	2355	2380	2480	1910	1681	1207
Linn	4357	3666	4720	2958	3703	3693	3558	3502	1939	3845	3763	3206	2871	2853	3830	4165	3900	3860	3220	2838	2064
Louisa	2585	2618	3436	2131	2671	2387	2394	2165	1444	1908	2296	2018	2065	1619	2183	2197	2120	1960	1680	1720	1409
Lucas	590	657	769	467	689	734	617	608	612	808	945	979	549	622	688	793	780	790	670	538	551
Lyon	6533	5468	6623	2985	4780	5002	4139	4817	3725	4638	4465	4071	4163	3754	3946	4232	3890	3840	3370	3152	1981
Madison	2575	2212	2880	1587	2258	2227	1953	2092	1325	2125	2360	1887	1378	1627	1889	2372	2200	1880	1730	1286	1378
Mahaska	3562	4108	4653	2803	3445	3590	3088	3127	2346	3287	3477	3155	2200	2572	2972	3247	3220	2980	2580	2550	2071
Marion	2612	2452	3222	2018	2460	2451	2253	2127	1930	2421	2336	2117	1520	1772	1877	2309	2200	1980	1810	1310	1244
Marshall	4922	4862	5045	3167	3936	3897	3609	3855	2343	4318	4247	3889	3233	3861	3520	3832	3700	3490	3110	2003	2070
Mills	3779	3101	4277	2166	3625	3544	3140	2740	2332	3268	4093	3525	2150	2740	2967	3009	2970	2880	2720	2686	1972
Mitchell	3935	4218	3871	1878	3233	3514	3233	2824	2164	3277	3232	2568	2741	3052	2921	2690	2710	3010	2910	2760	1734

Table 5. Estimated Bushels (in 1,000s) of Soybeans Produced in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	4869	4427	5958	3572	4815	3590	4004	4183	3563	3968	4360	3900	2733	2657	3790	3719	2660	3290	3200	3229	1655
Monroe	1128	832	875	556	622	692	604	556	446	787	838	697	543	520	606	819	890	890	700	690	578
Montgomery	3655	2435	3595	2248	3216	3121	2709	2716	2028	2874	3277	2630	1541	1859	2426	2736	2400	2620	2300	2175	1680
Muscatine	2676	2767	3174	1899	2426	2142	2336	2296	1504	1989	2331	2120	1876	1879	2018	2185	2110	1960	1770	1637	1506
O'Brien	6992	6751	7030	3223	6227	6546	5737	6069	5754	5597	5649	4894	4986	4789	4682	5139	5400	5230	4850	4778	3711
Osceola	4880	4756	5019	1838	4104	4608	4084	4236	3774	4109	3526	3081	3630	3332	3609	3462	4040	3550	3560	3368	2220
Page	4031	2776	3841	2661	3756	3624	3310	3001	2028	3353	3771	3257	1859	2722	2835	3418	2600	3150	2320	2665	2290
Palo Alto	6219	5679	5889	2201	5524	4997	5699	5392	4761	5810	5609	4709	4174	4396	5102	5138	5600	4660	5220	4806	3929
Plymouth	8506	7569	8937	6305	6711	6900	6460	5725	4368	5610	5653	5030	4706	3997	4833	5087	4330	4710	4070	3333	2100
Pocahontas	7504	7677	8079	3964	6823	5998	5453	6554	5423	5586	5949	5819	4853	4772	5823	5960	5890	5070	6230	5744	4237
Polk	3632	4087	4480	2458	3583	3240	3031	3229	1981	3536	3276	2859	2617	2809	3388	3864	3810	3430	3100	2528	2445
Pottawattamie	7567	7116	9159	6071	7385	7251	6624	5320	4477	6492	7047	6449	4727	5177	5938	5961	5025	4785	4910	4589	3487
Poweshiek	3258	3583	4320	2737	3300	3481	3091	3073	1940	3685	3471	3171	2697	2944	2951	3097	2870	2720	2340	2038	1824
Ringgold	1168	1269	1832	831	1345	1408	1151	1344	988	1604	1951	1969	1277	1193	1534	1973	1760	1530	1450	1173	1064
Sac	6367	6228	7304	4969	5652	5082	4954	5300	4852	5366	5542	4581	3888	3746	4475	4564	3870	4130	3740	3603	2202
Scott	3275	2707	3148	2171	2317	2350	2308	2303	1475	1930	2181	1903	1775	1655	1638	1764	1870	1790	1560	1568	1258
Shelby	4997	5027	5483	3686	4233	4288	3871	3809	2918	3796	3955	3576	3001	3046	3269	3425	2840	3070	2690	2269	1628
Sioux	8587	7367	8721	5030	6425	6715	5722	6210	5180	5495	5430	4770	4787	4109	4276	4373	4230	4280	3600	3074	2051
Story	6316	6484	7124	4035	5839	5114	4968	5151	2898	5734	5046	4525	4309	4891	5248	5879	5530	5090	4860	2473	3545
Tama	5128	5197	5622	3752	4352	4582	4214	4114	3597	5056	4991	4120	3628	4030	4138	4539	4520	4200	3890	3216	2566
Taylor	1843	1708	2803	1666	2024	1981	1532	1638	1149	2192	2663	2745	1384	1480	1794	2340	1710	1960	1530	1376	1143
Union	1555	1134	1734	964	1410	1464	1224	1120	773	1253	1236	1227	722	879	943	1172	1070	940	820	730	732
Van Buren	1888	1545	1707	1249	1542	1461	1237	1127	918	1398	1719	1681	1552	1231	1506	1488	1470	1550	1350	1069	1039
Wapello	1857	2238	2307	1494	1898	2041	1623	1620	1293	1866	1815	1687	1250	1260	1722	2093	2140	2040	1520	1680	1447
Warren	2241	2234	2889	1393	2249	2144	1941	1807	1562	2092	2055	1749	1437	1690	1846	2186	2090	1960	1800	1118	1123
Washington	4242	3993	4678	3019	3464	3509	3075	2941	2121	3064	2981	2903	2615	2389	2945	3085	3240	2980	2370	2180	1978
Wayne	899	1430	1796	1056	1303	1338	1110	1118	952	1542	1908	1661	1046	936	1311	1775	1710	1660	1490	1138	988
Webster	8170	9089	9272	4683	7743	7330	6350	7925	4751	7443	7343	6569	6202	6547	7012	7766	7660	7220	7340	5750	5026
Winnebago	3528	3707	3820	1869	3022	3392	3398	3035	2900	3274	3685	3079	2962	3013	3351	2597	3530	3260	2900	3710	2809
Winneshiek	1435	1542	1265	728	710	797	698	678	510	767	724	524	520	625	588	639	700	640	550	535	328
Woodbury	5637	4933	5715	3735	4446	3570	3684	3914	2823	3666	3610	3405	2516	2365	3731	3330	2700	2960	2690	2621	1479
Worth	3282	3667	3565	1820	2930	2889	3038	2847	2384	3092	3351	2676	2734	3039	3152	2386	2870	3400	3100	2755	2044
Wright	6736	7168	7388	3789	6392	6402	6175	6585	5018	6194	6680	5927	5429	5712	6226	6312	6280	6100	5790	5488	4597
State of Iowa	415800	398180	447270	257300	359480	349515	327850	322920	251100	343650	350675	309700	264600	278600	306600	322000	318395	306375	283125	251340	199950

Table 6. Estimated Bushels of Soybeans Produced Per Acre in Iowa Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	37.1	30.0	50.3	31.4	41.6	42.4	36.7	38.4	28.6	43.9	42.0	39.5	25.4	35.1	32.7	43.0	37.5	34.5	33.6	31.4	30.3
Adams	40.0	28.0	49.0	33.1	41.1	40.8	38.5	35.5	22.6	40.8	40.0	38.5	19.6	26.9	29.3	40.1	35.2	35.8	31.1	31.0	31.8
Allamakee	47.1	42.7	49.5	35.7	37.3	43.3	42.0	42.3	29.7	43.9	38.3	32.4	30.2	37.6	33.0	38.4	38.2	36.4	36.7	38.1	27.0
Appanoose	36.6	29.4	41.3	27.4	37.5	31.0	33.0	28.0	23.4	38.0	37.6	35.8	23.5	20.0	26.0	31.4	27.6	33.7	27.0	30.7	27.4
Audubon	41.9	44.4	52.8	34.7	44.8	44.9	40.1	40.9	32.3	44.8	40.8	39.8	30.7	36.9	36.7	43.8	35.4	37.5	39.6	33.3	28.2
Benton	46.4	43.6	52.0	35.8	44.3	44.6	45.4	40.3	24.2	47.8	43.9	38.2	34.2	38.6	39.7	42.4	41.3	41.5	40.3	35.1	31.9
Black Hawk	45.5	49.5	53.4	34.3	46.6	41.7	45.3	35.4	27.4	48.5	45.3	39.3	31.1	39.7	37.8	41.7	41.8	38.5	38.0	35.5	30.7
Boone	46.3	49.0	52.5	32.6	46.1	41.7	40.3	41.5	24.0	46.5	42.3	39.9	35.0	41.8	39.5	42.0	43.1	40.3	42.5	24.0	31.6
Bremer	43.3	49.7	52.1	32.9	46.7	42.6	46.9	34.2	26.0	45.3	43.2	39.2	31.0	38.2	35.3	34.2	36.3	35.1	37.0	37.4	30.9
Buchanan	45.6	43.3	52.3	36.4	44.8	47.3	45.4	36.8	27.4	47.7	43.9	34.6	31.0	36.2	36.2	38.1	39.8	38.1	38.1	37.2	32.1
Buena Vista	46.3	48.0	52.5	30.4	46.6	39.8	41.4	44.2	38.9	43.0	42.0	39.3	31.5	32.5	37.3	42.6	40.7	36.9	41.1	43.2	27.6
Butler	46.5	48.1	49.6	29.9	45.9	40.0	41.6	33.9	31.5	45.0	42.5	37.8	31.3	37.1	35.5	37.4	40.1	35.0	35.7	34.7	31.5
Calhoun	47.9	47.1	55.1	28.9	45.9	37.0	40.2	41.8	37.0	46.9	41.7	38.0	31.1	36.5	38.3	40.1	43.3	39.5	40.3	33.4	29.0
Carroll	43.1	45.6	52.8	31.8	46.2	41.0	40.8	38.9	37.4	45.1	44.5	40.7	33.4	36.1	37.5	44.2	40.8	39.6	41.7	30.7	29.6
Cass	40.1	35.8	50.3	31.0	42.6	42.1	39.4	39.8	28.7	42.5	42.5	37.8	26.7	35.2	33.8	42.0	35.4	38.2	36.2	35.9	29.8
Cedar	47.1	45.6	56.4	38.7	45.1	50.0	49.0	46.9	34.5	46.7	42.9	45.0	40.6	40.4	42.8	46.9	44.4	43.8	40.6	42.5	37.0
Cerro Gordo	40.3	45.3	48.0	24.2	42.2	37.5	44.0	31.5	34.1	43.5	41.2	34.2	30.2	37.0	35.9	34.2	37.8	36.4	35.7	37.1	32.1
Cherokee	45.8	47.4	52.5	37.4	46.7	48.6	45.5	44.0	43.0	44.7	45.4	39.2	35.9	37.9	38.9	42.4	42.2	39.8	41.9	41.3	30.8
Chickasaw	39.8	49.8	49.7	27.3	42.1	42.1	42.8	34.9	25.0	43.7	38.3	29.0	28.5	34.7	31.1	31.1	33.1	33.2	35.1	37.2	25.6
Clarke	31.1	24.2	44.9	21.7	36.5	34.9	34.3	28.4	25.8	35.1	29.3	38.3	21.8	21.2	27.8	35.2	32.5	30.2	31.7	30.1	29.9
Clay	44.5	44.7	49.9	19.7	44.2	39.4	44.3	41.5	35.7	43.0	38.6	35.5	32.2	35.1	35.0	37.9	37.4	37.4	36.9	39.5	29.8
Clayton	48.0	50.1	49.9	35.9	44.7	45.3	43.6	43.9	24.2	45.9	38.6	37.1	35.2	33.5	34.0	37.2	36.6	34.3	35.0	42.6	30.6
Clinton	48.3	49.0	54.7	39.3	47.0	47.2	49.8	46.2	28.1	46.8	41.3	41.6	36.7	37.4	42.0	46.7	45.1	44.5	37.3	43.7	32.9
Crawford	43.5	43.3	53.0	36.8	44.0	42.0	43.2	37.2	38.0	40.3	43.8	36.9	32.5	35.7	38.1	39.0	33.7	36.6	41.6	33.7	25.8
Dallas	46.6	44.2	52.7	35.7	44.0	41.2	41.7	42.0	24.6	46.1	41.2	35.6	32.1	36.0	39.7	45.3	42.1	39.2	35.0	30.3	30.0
Davis	40.2	30.5	42.4	30.5	41.5	35.8	35.4	24.0	24.6	34.4	35.7	36.2	26.1	17.9	27.4	33.7	31.3	35.5	30.9	30.2	28.6
Decatur	37.0	28.2	46.9	21.7	35.6	37.2	31.4	27.2	19.0	38.2	39.0	35.7	20.2	16.1	28.8	37.1	31.1	31.5	30.5	30.9	30.5
Delaware	49.7	46.6	53.4	37.8	45.2	46.9	45.3	41.4	26.0	49.0	45.1	35.1	30.0	32.0	37.6	40.4	41.5	38.9	38.1	40.2	31.9
Des Moines	43.3	36.3	51.2	39.0	45.2	41.9	45.1	38.0	34.2	39.2	43.2	41.7	35.8	35.9	40.0	41.9	39.4	41.3	37.6	39.9	35.9
Dickinson	45.8	43.1	48.0	16.5	40.8	39.5	41.5	40.7	33.6	41.3	39.3	33.5	31.7	34.1	34.5	37.1	40.0	35.7	37.5	33.9	26.3
Dubuque	51.3	44.9	49.9	36.2	40.5	45.2	47.1	40.0	26.9	49.0	44.7	36.6	40.0	33.7	37.5	43.6	45.8	39.1	32.5	39.3	26.5
Emmet	42.2	43.1	47.9	14.6	43.2	35.2	44.6	41.7	35.0	45.0	42.8	36.1	30.0	37.4	36.9	38.8	41.1	32.0	39.0	38.7	30.0
Fayette	45.7	50.3	50.0	33.3	43.1	45.5	44.7	41.8	30.1	47.1	42.4	38.3	33.0	36.6	34.4	37.0	40.7	35.4	36.8	37.8	32.1

Table 6. Estimated Bushels of Soybeans Produced Per Acre in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Floyd	42.6	47.6	47.7	30.4	43.0	40.0	44.8	27.7	29.9	43.1	39.3	33.6	31.9	36.0	33.4	32.4	34.5	33.2	36.1	37.8	29.6
Franklin	44.7	46.4	48.4	26.1	44.5	36.7	40.5	40.3	33.7	45.2	43.4	38.6	34.2	38.4	37.6	35.7	39.9	38.3	36.9	35.4	35.0
Fremont	42.1	34.1	49.2	34.2	43.6	41.6	35.8	32.3	32.7	39.6	44.9	40.5	23.6	35.6	32.5	42.8	37.0	37.8	32.2	34.3	33.1
Greene	48.5	47.2	53.2	32.3	47.6	40.1	40.0	40.2	27.8	47.0	42.7	41.1	34.7	39.7	39.5	44.4	41.9	41.0	43.0	25.5	29.8
Grundy	48.6	52.2	52.0	35.7	48.3	43.4	44.2	40.2	35.3	50.8	46.0	41.7	34.2	43.0	41.4	42.4	43.6	41.5	42.2	38.0	36.3
Guthrie	42.6	40.8	51.4	32.2	42.7	41.3	39.9	38.7	28.9	43.5	40.0	37.0	29.1	35.2	36.7	41.9	36.4	35.6	36.9	31.4	26.6
Hamilton	45.6	48.6	52.8	26.9	47.1	40.1	39.1	45.9	24.4	43.5	41.5	40.2	34.1	37.5	37.1	44.0	40.1	40.7	39.1	29.1	32.7
Hancock	42.3	44.3	44.6	25.1	41.4	34.2	40.5	36.8	35.5	43.1	41.2	35.2	31.7	36.7	37.0	36.9	39.3	34.8	36.4	37.5	34.0
Hardin	45.9	50.6	53.4	29.9	46.9	39.2	45.4	39.9	26.7	47.5	44.9	41.7	36.6	40.7	38.1	40.2	40.5	40.6	40.9	33.8	31.9
Harrison	44.6	37.3	51.6	34.9	44.4	37.3	36.6	31.8	29.0	40.9	40.0	41.7	25.4	32.3	36.2	39.2	32.9	35.8	38.7	37.9	27.0
Henry	45.3	39.9	54.8	39.8	46.0	44.2	41.8	36.7	32.0	39.0	42.1	41.1	35.4	31.7	39.2	42.3	39.3	42.2	37.8	41.0	36.4
Howard	38.9	45.9	46.9	22.4	34.0	38.6	40.5	37.2	23.9	42.0	35.4	27.2	29.2	32.5	29.6	34.2	34.1	32.1	33.8	36.8	24.2
Humboldt	46.0	48.2	50.1	27.0	46.6	36.3	45.3	46.3	34.8	46.5	40.2	37.3	34.4	36.1	39.2	41.5	38.9	36.2	37.8	36.1	32.8
Ida	46.1	45.7	53.9	39.4	44.6	43.1	43.1	41.1	39.4	40.8	45.6	39.9	34.0	35.5	38.7	41.3	34.1	38.5	41.9	40.5	28.3
Iowa	42.5	38.3	52.7	33.2	40.6	43.0	40.5	37.3	22.3	45.4	39.7	40.3	34.3	34.3	36.3	41.9	38.3	39.2	33.0	34.5	32.7
Jackson	43.1	40.6	48.4	39.1	41.9	47.0	45.2	40.1	23.5	43.8	38.5	36.4	32.6	37.5	37.6	42.1	43.4	38.7	32.2	37.0	29.3
Jasper	44.7	48.0	54.4	36.0	45.8	43.5	44.6	40.0	31.5	46.8	40.3	40.1	33.2	39.7	38.5	43.9	42.6	39.7	38.4	34.9	34.2
Jefferson	41.8	37.0	51.6	34.9	42.6	40.4	38.0	34.0	24.0	38.3	37.6	38.1	32.6	26.1	33.5	38.3	37.8	38.0	34.4	35.7	33.2
Johnson	40.7	39.0	52.0	32.3	41.6	41.4	44.6	40.5	26.6	40.6	38.9	38.6	32.5	33.5	37.9	44.0	40.2	41.1	35.8	38.9	35.1
Jones	46.8	43.6	52.4	36.6	43.4	48.5	48.1	38.2	23.5	46.6	43.0	38.5	35.4	35.7	41.0	44.6	43.2	42.2	38.9	40.9	30.6
Keokuk	43.0	40.5	53.5	37.4	41.8	49.2	42.0	37.1	26.0	44.3	41.0	40.4	32.5	29.6	38.2	42.4	42.7	39.3	36.0	38.4	33.3
Kossuth	42.1	44.0	44.6	21.9	42.8	31.5	42.3	41.0	37.4	45.3	42.2	38.0	32.8	37.6	37.8	36.0	41.0	34.0	35.2	36.2	33.9
Lee	42.7	38.1	52.5	36.5	45.2	37.0	34.6	27.9	28.1	34.0	38.4	39.9	33.2	28.2	37.9	37.1	37.5	39.9	32.9	37.6	31.1
Linn	43.7	39.1	51.5	33.2	43.2	43.4	43.4	38.9	22.4	45.1	41.1	36.3	32.5	32.1	38.6	43.5	41.0	40.7	37.9	37.8	31.8
Louisa	39.8	38.1	53.0	36.3	43.9	41.7	44.4	37.0	26.6	36.1	39.3	38.1	37.6	31.6	39.0	42.4	42.4	39.9	35.7	36.9	32.9
Lucas	35.1	28.3	43.0	24.1	38.5	34.8	32.3	28.4	28.3	37.8	35.7	37.8	19.8	25.3	27.3	35.6	30.4	32.2	27.9	28.8	28.3
Lyon	47.5	43.5	53.2	26.5	40.9	43.6	36.5	40.2	33.1	42.4	39.9	35.8	35.0	35.9	36.7	40.4	38.2	38.8	41.1	40.8	28.0
Madison	37.5	36.3	53.4	27.9	43.8	39.6	37.8	38.6	24.6	43.3	41.3	34.0	23.2	31.4	32.1	41.5	38.8	34.2	33.9	26.9	31.1
Mahaska	41.1	43.0	55.5	38.2	43.4	45.8	43.3	39.2	28.9	43.8	41.7	41.3	30.6	34.6	38.4	41.2	41.9	38.8	35.8	39.0	34.0
Marion	38.0	36.3	52.9	34.2	43.5	41.8	41.1	35.7	33.7	43.8	40.6	40.2	27.3	32.9	34.1	42.6	39.3	37.5	34.8	31.5	32.0
Marshall	49.3	50.8	56.2	36.0	47.5	44.9	45.7	43.9	27.5	50.8	45.0	41.6	35.4	43.0	39.1	44.1	43.9	40.7	41.5	28.8	34.2
Mills	40.9	34.2	49.3	32.3	43.8	42.2	39.1	32.6	27.4	38.8	41.8	38.0	23.7	34.2	34.1	38.9	37.4	37.6	36.8	36.7	31.0
Mitchell	44.4	48.6	45.1	22.1	41.0	42.2	43.6	37.8	29.0	43.7	40.3	31.9	30.9	36.4	34.0	31.5	29.0	31.8	36.8	37.7	25.7

Table 6. Estimated Bushels of Soybeans Produced Per Acre in Iowa Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Monona	41.3	34.9	50.6	33.7	44.2	31.0	36.6	38.2	32.0	39.5	40.1	37.0	25.0	26.2	36.4	37.3	26.5	34.0	35.6	38.2	22.5
Monroe	37.0	29.8	48.6	28.4	37.0	38.0	33.4	28.5	23.2	39.5	36.9	34.0	23.9	23.7	26.0	36.2	33.8	34.1	28.0	31.7	29.8
Montgomery	40.3	28.5	48.1	31.5	43.6	41.9	38.2	36.5	28.4	38.0	41.9	36.7	21.9	28.3	31.9	39.4	35.6	37.5	35.4	34.4	29.2
Muscatine	40.7	42.2	52.2	36.7	41.9	37.0	44.1	40.0	28.0	39.0	40.5	38.6	35.3	35.5	38.1	43.0	42.2	38.8	35.4	36.9	34.5
O'Brien	48.3	46.1	47.9	23.2	44.3	46.7	42.4	44.4	43.1	44.2	41.6	36.9	36.1	36.8	34.6	40.7	39.6	39.9	38.8	40.4	34.0
Osceola	44.0	43.8	46.2	18.8	40.3	44.7	41.2	40.0	37.5	43.6	37.6	33.3	35.9	35.4	36.6	35.4	39.4	36.0	40.0	40.2	29.0
Page	42.5	28.2	44.3	31.3	43.3	39.3	36.9	32.8	22.5	37.2	43.1	39.0	20.5	31.7	30.3	40.0	31.2	35.9	28.6	32.7	31.8
Palo Alto	43.3	43.6	45.4	18.9	44.7	32.0	45.2	40.0	35.9	44.2	42.0	36.1	30.1	34.0	37.6	38.0	38.4	32.1	38.4	36.4	31.4
Plymouth	45.5	45.2	54.3	41.2	45.2	45.3	45.3	39.0	32.0	43.1	43.3	39.8	35.8	34.2	38.5	40.2	36.5	42.2	42.0	36.8	26.9
Pocahontas	46.4	47.2	50.6	25.2	44.9	35.7	37.5	43.1	36.5	38.7	40.2	39.5	31.5	32.8	38.4	40.4	38.3	32.9	42.4	38.1	29.7
Polk	45.0	49.3	54.9	34.4	44.9	40.4	40.3	40.8	25.7	46.3	40.4	35.4	31.0	37.3	38.3	43.3	40.5	37.9	36.9	30.3	31.1
Pottawattamie	43.4	38.7	52.5	36.5	44.7	42.4	40.9	32.0	27.4	41.1	44.1	39.8	30.5	35.4	37.2	41.7	35.9	37.2	39.3	38.7	30.3
Poweshiek	44.1	41.2	54.1	34.0	43.0	44.8	43.1	38.5	24.5	46.2	39.1	39.1	34.0	37.7	37.8	43.7	41.0	39.1	36.6	35.6	33.7
Ringgold	33.9	25.1	48.3	24.5	37.6	35.0	28.9	32.3	22.9	36.5	35.2	37.6	22.3	21.5	26.0	39.0	33.6	30.7	29.6	31.0	31.7
Sac	44.0	46.2	55.5	38.1	45.7	38.8	41.5	42.5	39.3	43.9	44.9	39.3	31.4	34.5	37.4	41.7	35.4	38.1	37.4	37.1	25.8
Scott	49.8	49.4	57.3	42.9	47.5	50.6	48.1	47.4	35.9	47.8	46.9	45.1	42.3	41.9	43.0	45.9	44.2	42.9	40.0	41.4	38.4
Shelby	45.4	45.4	52.8	36.5	44.1	44.9	41.9	39.1	30.9	42.9	44.7	40.9	31.3	36.3	38.5	43.0	36.5	39.9	42.0	36.9	29.8
Sioux	50.2	47.4	56.2	36.2	45.4	48.8	44.4	45.4	40.7	45.6	44.9	40.9	38.2	37.1	38.5	43.5	40.5	42.9	41.9	40.0	30.9
Story	47.3	48.8	53.6	32.0	46.9	40.3	41.1	41.6	24.1	47.5	40.1	37.2	32.8	39.8	38.6	44.2	42.2	39.1	41.5	22.2	32.6
Tama	46.3	46.5	53.1	35.4	43.7	43.8	44.0	38.4	34.8	48.3	44.4	37.7	33.4	41.3	37.4	43.4	42.9	39.8	40.9	36.5	33.4
Taylor	33.8	24.0	48.4	29.1	38.6	34.8	29.1	29.2	19.9	35.0	35.9	40.0	20.5	22.8	26.9	37.4	30.0	33.4	27.3	29.5	28.4
Union	35.5	23.2	47.0	26.6	39.5	40.9	38.6	33.6	23.1	40.7	34.2	37.3	20.0	27.7	27.9	41.0	35.0	31.4	29.3	28.9	32.0
Van Buren	39.5	33.7	46.4	32.0	41.9	37.2	33.8	28.5	24.4	36.0	36.0	36.0	30.8	24.8	31.8	32.8	31.3	33.8	30.0	29.2	31.0
Wapello	40.5	38.7	50.3	35.7	42.2	42.7	36.3	34.9	28.7	40.5	39.9	37.7	26.4	26.5	33.2	40.2	39.4	38.6	33.0	36.2	34.1
Warren	37.8	35.3	51.7	26.0	42.4	37.5	39.7	34.4	30.1	41.8	40.6	35.8	27.3	31.6	30.5	41.0	37.4	35.3	33.3	29.1	29.9
Washington	43.8	41.4	56.5	39.1	44.5	48.9	44.8	39.9	29.0	44.1	42.6	42.0	37.4	37.9	41.1	45.2	44.9	42.1	37.0	38.4	36.2
Wayne	36.1	28.3	42.9	24.8	35.4	34.1	28.9	27.8	23.2	38.0	37.9	34.9	20.0	18.0	26.0	32.6	31.5	32.7	30.4	31.4	27.7
Webster	47.1	50.3	52.3	27.0	45.4	40.3	38.3	45.1	27.9	44.9	42.5	38.9	34.2	38.2	39.4	44.9	42.7	40.0	42.7	34.8	31.6
Winnebago	39.3	41.8	43.5	21.9	39.8	32.8	40.6	36.0	34.5	39.2	37.7	32.2	31.4	33.2	34.6	28.1	33.2	31.1	29.9	37.2	32.0
Winneshiak	42.3	46.9	49.4	31.0	35.5	41.5	43.4	37.7	25.6	43.6	39.8	31.4	29.9	35.1	31.6	36.5	38.7	34.6	34.4	35.2	26.7
Woodbury	41.0	38.0	50.3	34.7	44.5	33.8	39.4	40.9	30.3	40.5	38.7	38.0	26.2	27.5	37.1	36.3	30.9	36.1	36.4	37.0	24.8
Worth	42.2	45.4	43.6	23.1	39.8	36.3	42.8	39.5	33.0	42.5	39.2	32.5	32.3	36.6	34.8	28.0	31.3	36.9	37.8	35.5	28.0
Wright	44.4	46.7	48.1	25.3	44.9	37.4	43.7	44.8	35.3	43.7	41.8	36.8	34.0	36.6	38.5	41.3	38.2	38.2	38.3	38.0	33.2
State of Iowa	44.0	43.0	51.0	31.0	44.0	40.5	41.5	39.0	31.0	43.5	41.5	38.0	31.5	35.0	36.5	40.0	38.5	37.5	37.5	35.5	31.0

## Soybean Production

The number of acres of soybeans harvested generally has risen slowly from the beginning to the end of the period examined (Table 4, Figure 1). The low point occurred in 1976, when 6.4 million acres of soybeans were harvested; more than 9.4 million acres were harvested in 1996, which was nearly 200,000 acres more than any other year.

The greatest number of bushels of soybeans was harvested in 1994 when nearly 450 million bushels were produced (Table 5). This declined to 398 million bushels in 1995 but rebounded to 416 million bushels in 1996; the figures for the three most recent years were substantially above all others. The 1993 yield of 257 million bushels was smaller than all but the harvests in 1976-1977 and 1988. Of the 21 years noted in Table 5, only in 1976 were fewer than 200 million bushels produced; harvests topped 300 million bushels during 1979-1996 all years except four (1983, 1984, 1988, 1993).

The record number of bushels produced in 1994 provided a record yield per acre as well (Table 6, Figure 2). The average number of bushels of soybeans harvested per acre was 51 that year, which was seven bushels higher than the previous record of 44 in 1992; the 1992 average was tied in 1996. Yields in 1993 averaged 31 bushels per acre, which was one of the lowest reported during these 21 years. Three other years (1976, 1984, 1988) also had yields of less than 32 bushels per acre. As with corn, the 1993-1994 period produced both the highest and lowest yields.

Soybean production varies across counties, of course (Tables 4, 5, 6). The average number of bushels produced in 1996 was at least 49 bushels per acre, a figure 5 above that for the state, in 5 counties (Delaware, Dubuque, Marshall, Scott, Sioux) (Figure 4). Eighteen counties harvested fewer than 40 bushels of soybeans per acre in 1996, with Clarke, Ringgold, and Taylor below 35.

## Concluding Comment

The number of acres of corn harvested for grain surpasses that of soybeans in each year reported (Tables 1, 4; Figure 1). The margin ranges from about 600,000 acres in 1983 to more than six million in 1976. Differences vary from 4.5 to 5.9 million acres in 10 of the 21 years examined. In eight of the ten most recent years, however, corn acreage harvested for grain has exceeded that for soybeans by fewer than four million acres.

**Note:** For information on corn silage, oats, wheat, alfalfa hay, and all hay, contact the Iowa Department of Agriculture and Land Stewardship (Iowa Agricultural Statistics, Room 833, 210 Walnut, Des Moines, IA 50309; 515-284-4340). Data for the years 1990-1996 are available on one page per crop per year. For earlier periods, request IOWA CROP COUNTY ESTIMATES: HISTORICAL SERIES: 1975-1989 (\$4.00; make checks payable to the Iowa Department of Agriculture). Historical data from 1950-1977 are available as well, although the original publication is out of print. Some libraries have a copy, and one is available through loan from Iowa Agricultural Statistics. These publications also include data on the number of farms, acres of land in farms, and average farm size in acres.



Figure 1. Acres of corn and soybeans harvested for grain in Iowa, 1976-1996.

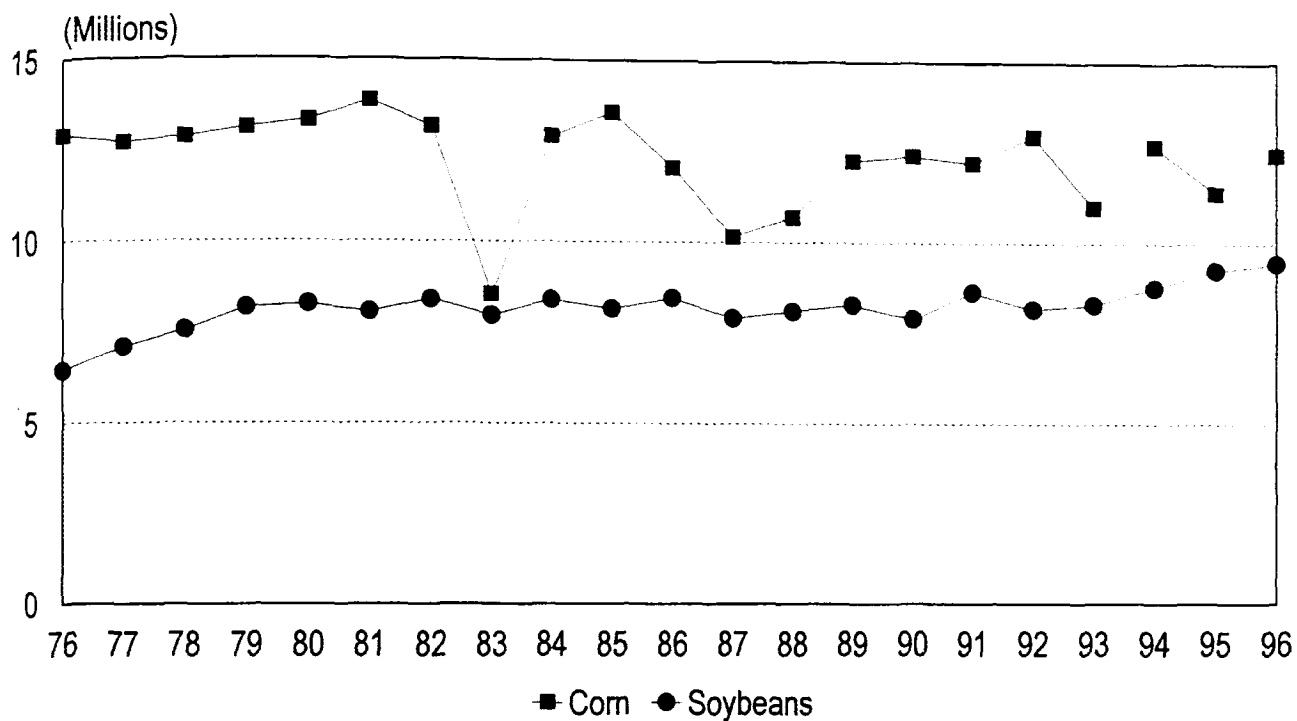


Figure 2. Bushels of corn and soybeans per acre in Iowa, 1976-1996.

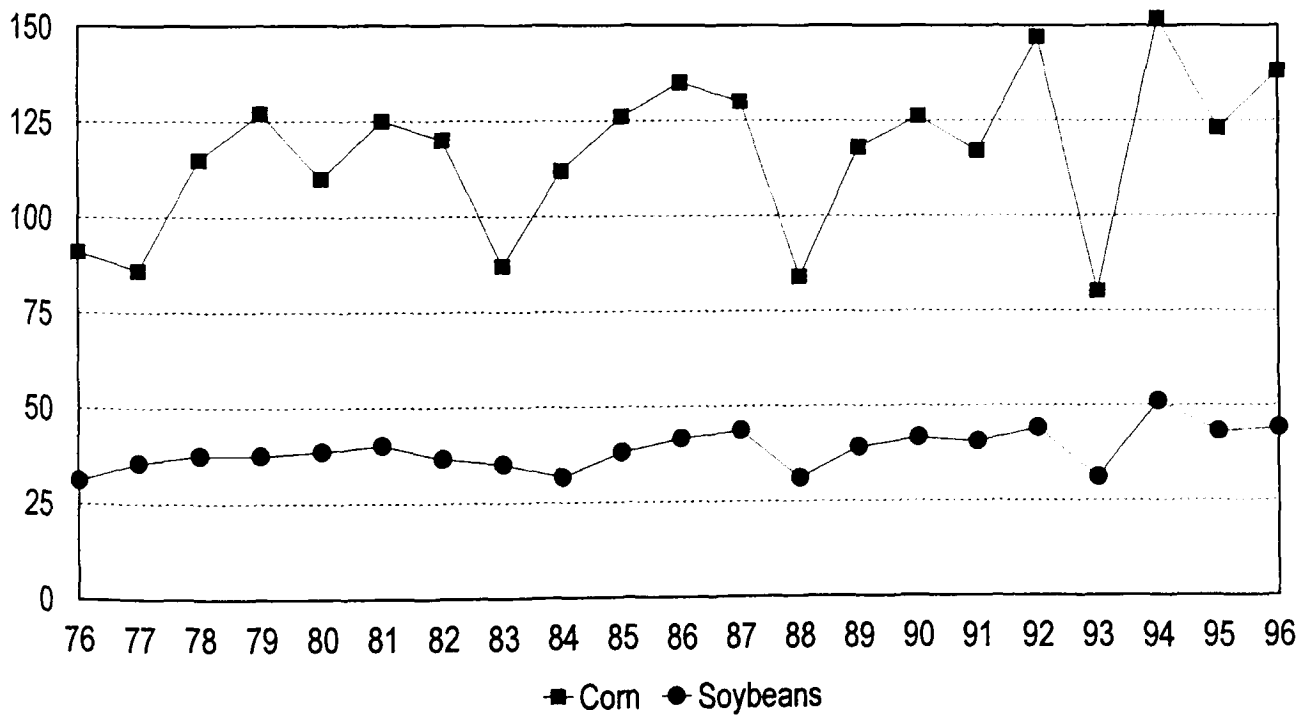


Figure 3. Bushels of corn harvested for grain per acre, 1996.

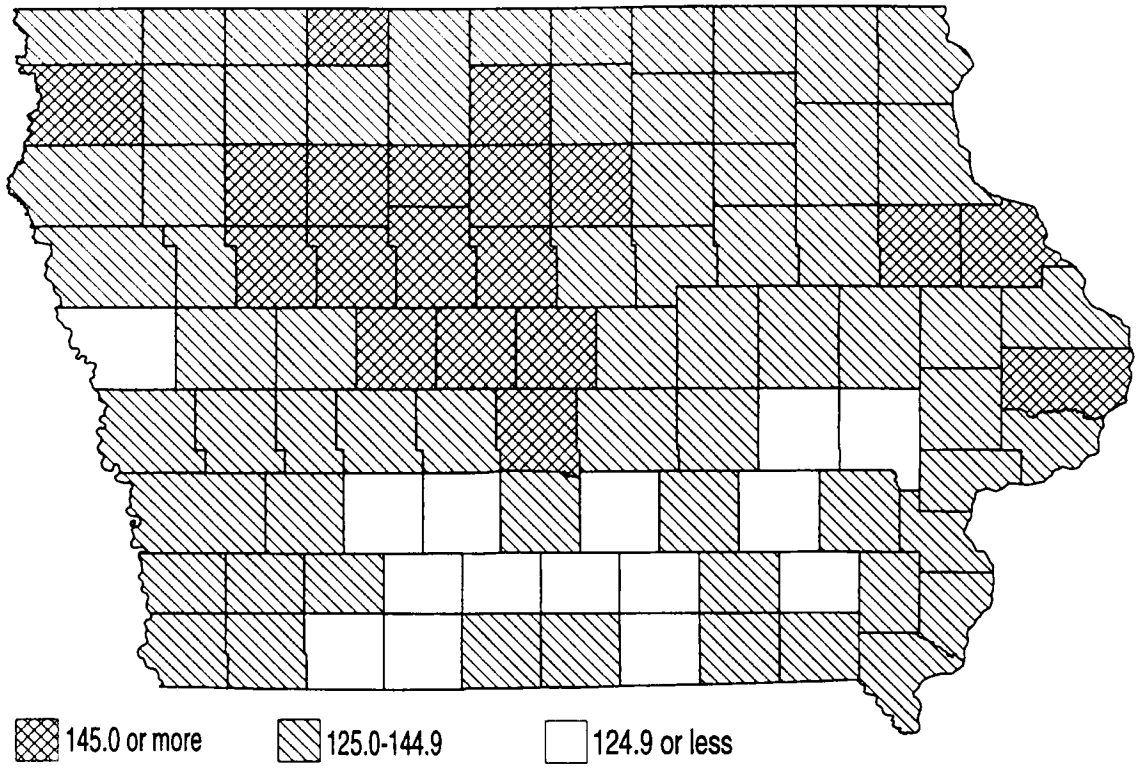
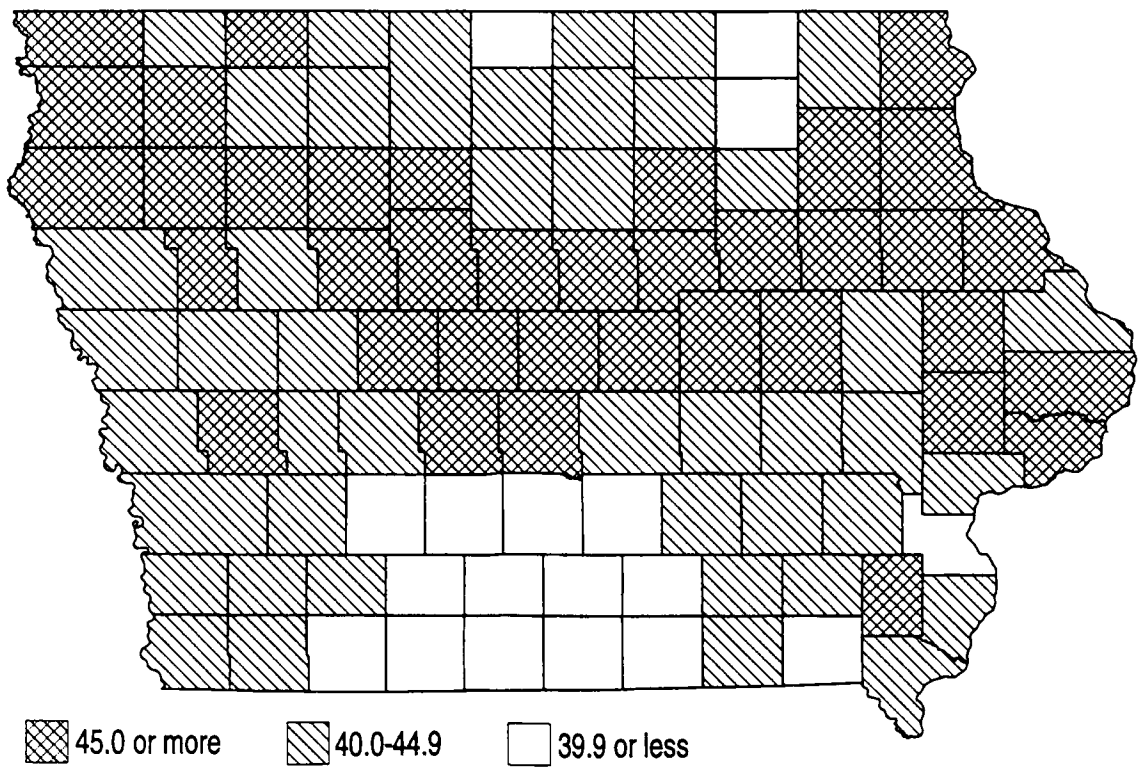


Figure 4. Bushels of soybeans per acre, 1996.



## Federal Funds in Iowa's Counties: 1986-1996

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In the middle of the 1980s, the U.S. Bureau of the Census initiated a series of annual publications that summarized federal funds that were provided to counties and subcounty areas. These documents attempt to capture the major categories of federal expenditures for the specified geographic units. The data for these reports are gathered from a variety of sources within the federal government; although these data represent major expenditures in counties, not every dollar is included. In addition, some federal programs allow the State of Iowa to distribute them to counties according to decisions made within the state; these distributions may not be included in the county totals other than Polk, the location of the state capitol. This may inflate the actual totals for Polk and decrease them in other counties. The county totals include amounts to places within them as well as directly to the counties themselves.

Two general areas are listed, the first of which includes direct federal expenditures or obligations. These totaled \$13.4 billion in Iowa for 1996 (Table 1). The second area includes other federal assistance, which amounted to \$5.7 billion. Both of these general areas include subcategories that provide more detailed breakdowns of these expenditures.

### Direct Federal Expenditures or Obligations

In 1996, direct federal expenditures or obligations exceeded \$100 million in 21 counties. Polk was the leader with \$2.5 billion; no other county topped \$1 billion. In 17 counties, the amount of federal funds received through direct federal expenditures or obligations was less than \$40 million in 1996; they were under \$30 million in Adams, Osceola, and Ringgold. In 1986, \$8.3 billion came to Iowa through direct federal expenditures or obligations (Table 7); this increased to approximately \$10.4 billion in 1991 (Table 6) and grew each year through 1994. Federal expenditures in Iowa were \$145 million less in 1995 than they had been in 1994; but they increased by \$407 million from 1995 to 1996. From 1986 to 1996, these expenditures increased by 60.8 percent.

The \$2.1 billion for grants awarded within counties in 1996 accounted for 15.6 percent of the total direct federal expenditures or obligations in Iowa. These funds increased each year from 1991 to 1994 but decreased in 1995 and again in 1996; still, the subtotal was nearly \$885 million higher in 1996 than in 1986 (Tables 1-7). This subcategory includes a large number of federal programs in several areas (see notes at the end of this section). In 1996, 32 counties received at least \$10 million in grant awards from federal sources. Polk (\$540 million) and Johnson (\$134 million) had the largest shares in this subcategory. Adams, Grundy, Ida, Osceola, Ringgold, and Worth received less than \$3 million in grant awards. Six counties (Black Hawk, Johnson, Linn, Polk, Scott, Story) had nearly half (47.8%) of all grant awards for the state. Polk alone received more than a fourth (25.7%) of the total.

Salaries and wages totaled more than \$944 million in 1996. These were generated by the Department of Defense, the Postal Service, and other federal agencies for employees in Iowa. Salaries and wages increased every year during the 1991-1994 period, decreased in 1995, and increased again in 1996; the percentage increase in salaries and wages from 1986 to 1996 was 56.7. Salaries and wages paid by federal funds in 1996 exceeded \$10 million in 11 counties, topped by Polk with \$307 million, which accounted for 32.6 percent of all salaries and wages paid by the federal government in Iowa. Polk and three others (Johnson, Linn, Scott) received half (50.2%) of all federal funds in this category. On the other hand, 22 counties each received less than \$2 million in federally paid salaries and wages.

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1996.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	32103	4192	1397	15323	6496	271	4424	2623	25610
Adams	21481	2318	1438	9660	4131	248	3686	1611	14051
Allamakee	49709	5490	2708	26311	9161	894	5144	3049	11707
Appanoose	64072	9782	3475	34064	12871	1010	2869	3940	8581
Audubon	31976	3548	1640	14743	6798	327	4921	4702	34231
Benton	78626	10618	2900	40918	16295	843	7052	15231	62064
Black Hawk	456421	70415	29368	232134	113068	5858	5578	6969	92326
Boone	114354	33285	6420	50650	18482	1027	4490	3222	49091
Bremer	82872	15793	2723	40817	17430	1885	4224	8640	36462
Buchanan	71087	10277	3099	36448	14972	687	5604	9489	41022
Buena Vista	87636	8477	5198	39505	18005	11135	5316	5914	57982
Butler	62706	6719	2347	32324	13865	529	6923	6544	40701
Calhoun	50695	4550	2075	27675	10886	505	5004	2599	56245
Carroll	83759	12949	4521	42534	18317	953	4486	4374	51630
Cass	65125	7276	3473	34633	14635	613	4495	4595	36034
Cedar	59041	5235	4099	29321	12058	1369	6960	8656	50320
Cerro Gordo	191914	28969	8455	99829	41442	6252	6966	17144	57279
Cherokee	55260	6137	2534	29656	11174	1170	4590	6326	55866
Chickasaw	79776	4255	2277	24668	9781	33241	5554	10307	31390
Clarke	32373	4079	1427	15608	6957	322	3979	1185	8014
Clay	67977	9360	3889	34373	12891	790	6674	6021	48757
Clayton	70690	6550	4165	36316	13707	1952	7999	6508	25774
Clinton	199298	33367	6999	102751	44679	2394	9108	12657	58679
Crawford	74307	9990	4565	30719	13862	8554	6617	6662	68015
Dallas	101381	12251	4800	56758	21749	1056	4766	6942	47713
Davis	31121	3413	1535	15650	5918	317	4289	2406	10630
Decatur	36450	6701	1984	16252	7033	419	4061	1659	10215
Delaware	52392	5387	2726	26622	9906	1220	6531	8564	39187
Des Moines	220930	21680	9326	89792	54542	42386	3202	2392	35547
Dickinson	59515	4136	2284	36199	12235	557	4104	3427	25946
Dubuque	286650	32112	15842	155497	71789	5730	5679	5352	32001
Emmet	54020	5977	2319	25248	11726	3970	4780	8308	35094
Fayette	86855	9870	4486	44166	18623	2040	7671	10287	52186
Floyd	73968	9812	2706	38778	16346	563	5763	11459	35597
Franklin	44579	5068	2088	22376	7988	441	6618	17999	49090
Fremont	37588	4902	1603	18819	8168	360	3736	2600	40324
Greene	43975	3430	2146	24668	8239	462	5030	2410	55937
Grundy	42908	2150	1774	24973	8927	417	4668	5400	42878
Guthrie	48433	5288	2609	25091	9402	549	5494	2269	32336
Hamilton	61858	6680	2415	32458	14092	658	5555	6136	56405
Hancock	45061	3816	2109	24082	8471	469	6112	11400	52408
Hardin	85508	8383	3676	44840	17516	5579	5514	9999	52194
Harrison	66599	10933	3822	32258	13974	679	4933	3167	51233
Henry	64955	7914	3556	35228	12790	728	4738	5218	25855
Howard	38536	3793	1542	19045	7539	810	5806	8601	29230
Humboldt	45738	5187	2541	24382	9160	473	3996	3499	45036
Ida	31517	2591	1413	17003	6144	282	4084	6440	47432
Iowa	52867	3955	3069	27964	9843	631	7405	3960	30368
Jackson	75375	8032	3571	39315	17082	714	6662	4587	19575
Jasper	119225	12254	5128	67393	26509	1158	6783	6624	53309

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1996 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	52260	7020	4146	25155	10992	683	4264	3132	22813
Johnson	439894	134541	61017	103627	46809	87759	6141	4208	73708
Jones	62081	5405	2809	33203	12058	2712	5894	8329	36886
Keokuk	54656	4663	2896	27125	10728	661	8583	3916	33197
Kossuth	70079	5970	3630	36563	12998	857	10062	17773	101958
Lee	146585	22449	6503	77069	34359	2555	3650	2276	28690
Linn	864987	93492	51766	293366	114090	304991	7283	5770	105911
Louisa	42940	7559	2517	20301	7294	585	4683	3866	28559
Lucas	39971	4629	1954	21179	8148	330	3732	1344	7917
Lyon	40544	3672	1669	21262	7697	1923	4321	6302	48950
Madison	44877	4809	2129	23520	10578	462	3378	1765	20221
Mahaska	83143	11388	3635	40927	17572	3164	6457	4558	34823
Marion	146446	13464	35490	66134	22320	5034	4004	4994	23871
Marshall	163744	27194	6351	83345	28601	11600	6654	6105	49922
Mills	78581	34686	2400	26583	11304	484	3125	4056	36873
Mitchell	44131	3234	1886	24582	9197	455	4777	10271	41023
Monona	51891	6288	2687	24758	12086	682	5391	2105	43350
Monroe	36207	4514	1430	18933	8545	270	2515	3240	8248
Montgomery	53374	5937	2800	27746	12777	560	3555	3373	27125
Muscatine	127080	17156	5903	69076	26516	4311	4118	6366	46570
O'Brien	60078	5311	3007	33353	12901	619	4886	6703	48317
Osceola	26953	1581	1260	14514	5351	802	3445	4415	39467
Page	72482	10592	3177	38858	14800	672	4383	2174	27314
Palo Alto	48645	6511	1897	24040	9354	504	6338	7217	51710
Plymouth	81016	10449	4462	41552	16035	1165	7352	6104	77163
Pocahontas	41780	3688	1940	21764	8851	372	5166	3485	55872
Polk	2539029	539967	307373	573119	249276	74912	794381	5958	315030
Pottawattamie	673419	49974	11561	166587	70036	5850	369410	7562	147248
Poweshiek	69482	6892	2590	36462	15414	609	7514	4359	32880
Ringgold	27120	2752	1484	12385	4664	364	5471	3843	12404
Sac	49342	4193	2470	27274	10403	484	4518	5975	60937
Scott	584324	87485	54249	295476	106382	34999	5733	5534	146821
Shelby	54916	6271	2482	26994	13536	507	5126	3718	54909
Sioux	96905	7668	4444	47110	19727	10947	7010	7435	68017
Story	305763	77633	39551	98053	48198	36814	5516	5915	73055
Tama	69525	7869	3754	35627	13464	698	8112	7997	43756
Taylor	35420	4750	1761	15433	5999	1978	5499	4021	16627
Union	58191	7042	3751	28598	14620	631	3549	2620	13673
Van Buren	33295	3414	1976	16749	6879	405	3870	1486	13838
Wapello	159037	24017	6382	85838	37996	1400	3404	3290	24350
Warren	95276	11724	4869	52648	21214	990	3831	5269	24580
Washington	83364	17037	3268	40765	14788	732	6773	6056	34975
Wayne	36122	3563	1973	17086	7851	451	5197	1621	12977
Webster	172966	21472	14849	88287	39730	2686	5942	4047	71163
Winnebago	46138	4097	2185	23980	9429	773	5674	17913	37806
Winneshiek	66247	7386	4063	31253	15099	709	7736	4719	21266
Woodbury	387078	55853	42220	186398	83074	9841	9692	8992	124611
Worth	31998	2758	1551	16190	6094	372	5034	9313	38426
Wright	64632	5655	3666	35268	13310	698	6034	5638	56839
Undistributed	609657	164262	0	1214	357755	0	86426	287200	187770
State of Iowa	13414932	2099279	944096	5263166	2554577	777558	1776255	874399	4783971

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1995.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	32726	4132	1341	15195	6894	220	4944	11928	18966
Adams	21408	1919	1562	9630	4236	222	3839	7069	8455
Allamakee	53928	4956	2685	25493	11446	3539	5809	5788	9866
Appanoose	63006	8700	4066	33104	13297	1144	2695	5502	4743
Audubon	34101	4083	1565	15008	7555	266	5624	13439	21348
Benton	75328	6866	2939	39594	16358	669	8903	21798	42395
Black Hawk	507879	117460	30330	225885	122527	4455	7223	19307	67183
Boone	117611	30328	7803	49369	23381	798	5933	11605	31375
Bremer	74956	6309	2678	39453	18622	2507	5386	18983	29142
Buchanan	75603	8579	3120	35446	15118	5806	7535	22911	26332
Buena Vista	86580	6502	5091	38517	18018	11573	6879	17926	40796
Butler	63673	6839	2402	31300	14397	459	8277	20402	27916
Calhoun	52945	4386	2015	27119	12328	398	6700	12803	36951
Carroll	79368	9971	4439	41153	17007	1087	5711	14308	27951
Cass	67036	9620	3458	33397	14692	545	5324	15639	23370
Cedar	59339	5220	4241	28300	12357	418	8804	22202	37426
Cerro Gordo	189657	22701	8726	97046	46808	5866	8509	30684	42458
Cherokee	56411	7260	2337	28976	11617	459	5763	19343	41398
Chickasaw	62522	3848	2103	23968	11432	14439	6731	19891	21587
Clarke	31338	3980	1455	14949	6685	468	3801	4309	5351
Clay	68244	6788	3740	33253	14297	578	9588	18705	37429
Clayton	73397	6885	3991	35353	15420	2630	9118	14918	24946
Clinton	191427	23462	6953	100214	48656	1391	10751	25240	41359
Crawford	74631	11089	4276	29575	14140	7915	7636	20687	44144
Dallas	97614	9424	4474	54483	22512	799	5921	21737	34535
Davis	32011	3826	1539	15163	6969	279	4234	4724	5877
Decatur	38408	6661	1963	15901	9510	363	4010	4959	4890
Delaware	54795	5128	2686	25655	11842	1344	8141	21119	33271
Des Moines	226479	25426	9655	87360	44869	55365	3803	8301	24434
Dickinson	58808	4075	2196	34726	12644	470	4697	12098	20302
Dubuque	305617	49722	16361	150745	74864	7561	6364	7971	24613
Emmet	52806	5769	2209	24633	12631	1656	5906	20233	24429
Fayette	90014	10791	4596	42531	21833	703	9561	26839	34301
Floyd	72628	8168	2589	37687	16609	464	7111	26373	22510
Franklin	46263	4070	2005	22035	9330	396	8427	29484	31106
Fremont	37256	4336	1715	18332	7891	347	4636	11912	24788
Greene	45500	3574	2167	23983	8809	425	6543	12960	33996
Grundy	44869	2125	1776	24246	9841	361	6520	17475	23826
Guthrie	49204	5162	2429	24135	10642	519	6317	10019	20141
Hamilton	66465	6152	2456	31716	16464	2168	7509	25628	34627
Hancock	47508	3651	2144	23410	9880	669	7754	24643	38918
Hardin	85329	7679	3568	43064	18445	4979	7594	24859	33179
Harrison	65305	8522	3811	31099	15367	635	5871	12844	31885
Henry	67104	6635	3278	34358	16939	593	5301	10629	15213
Howard	40395	4078	1510	18782	8800	707	6518	17923	19868
Humboldt	45985	4169	2558	23604	9743	419	5492	13837	31078
Ida	31917	1663	1543	16393	7035	271	5012	17058	31078
Iowa	59435	7281	3026	26951	13286	584	8306	10990	19822
Jackson	75450	8216	3441	38044	17426	888	7433	10195	15303
Jasper	143793	34080	4914	65280	30437	859	8222	22891	38024

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1995 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	52999	6497	4754	24416	12048	525	4758	8668	16038
Johnson	429881	129466	60814	100218	51500	81262	6622	10543	61711
Jones	65083	6267	2735	31855	15730	1139	7358	18464	23534
Keokuk	57203	5319	2979	25656	13217	559	9474	14361	17515
Kossuth	75834	6859	3465	35638	15897	682	13294	49847	72496
Lee	147523	25801	6568	74901	33979	2051	4223	7981	23014
Linn	855946	67478	53296	282136	127125	317282	8629	16396	149587
Louisa	46621	4564	2456	19707	9416	5076	5403	11202	20093
Lucas	41700	4861	2252	20569	9876	469	3673	4041	4497
Lyon	40507	3590	1661	20686	8773	324	5474	20209	31065
Madison	44876	5374	2094	22592	10635	571	3611	6037	14075
Mahaska	92216	20051	3513	39896	19407	1793	7557	10100	19635
Marion	144854	10220	34908	63917	23900	7585	4324	9400	14375
Marshall	161797	29104	6016	80082	30052	8462	8080	16905	27592
Mills	75425	31867	2181	25678	11306	387	4006	10275	20997
Mitchell	43477	3478	1811	23359	8672	360	5797	20017	25521
Monona	52008	5430	2496	24208	13141	371	6363	11708	19906
Monroe	35737	4576	1368	18534	8710	227	2323	2753	4526
Montgomery	54621	6579	2949	26684	13848	406	4155	10268	15319
Muscatine	128873	16464	5869	66503	30061	4950	5025	13521	29309
O'Brien	62118	5145	2973	32411	14600	486	6504	21908	33924
Osceola	26780	1300	1196	14207	5262	208	4606	14702	26872
Page	74900	11117	3040	37731	17709	565	4738	8896	11231
Palo Alto	50366	6664	2045	23333	9837	360	8127	23135	32917
Plymouth	79729	9853	4363	39685	16258	892	8677	20124	52266
Pocahontas	44407	4244	2071	21361	8993	617	7121	15573	37534
Polk	2224243	596070	307078	554915	289282	97954	378943	25111	262057
Pottawattamie	470239	54694	12402	162933	74210	3714	162285	17979	97320
Poweshiek	70013	6653	2620	34766	16002	522	9450	15079	24600
Ringgold	26725	2642	1455	11845	5172	309	5301	4758	5502
Sac	49600	4004	2308	26316	10834	405	5734	18103	40278
Scott	567096	89199	34583	287107	124247	26140	5819	13827	130971
Shelby	54502	7612	2447	25920	11300	585	6637	16745	35320
Sioux	94846	7514	4279	45496	20210	8431	8916	25249	47382
Story	320542	83870	39416	93881	47976	48440	6959	19435	48765
Tama	72208	7563	3736	34403	16007	603	9896	23016	31375
Taylor	35665	4818	1856	14930	7106	1379	5577	6808	7843
Union	60026	8412	3685	27677	15940	531	3779	8119	8399
Van Buren	33492	3242	1963	16003	8029	354	3901	6145	9208
Wapello	158766	22994	6474	84297	39494	1800	3706	7357	17712
Warren	94580	12807	5160	49917	21222	1326	4148	12648	17312
Washington	88789	19039	3771	39093	17903	975	8008	15650	27554
Wayne	36425	3648	1923	17102	8218	397	5137	4526	8578
Webster	172385	21515	15245	85366	38492	3618	8150	18564	51088
Winnebago	46669	4159	2105	23250	9788	477	6890	25303	25266
Winneshiek	67970	7500	3812	30188	17107	671	8692	10942	16757
Woodbury	403950	58810	44076	182660	86947	20457	10999	22559	84260
Worth	34688	2302	1500	15854	8835	303	5894	24501	25913
Wright	65711	5807	3331	34114	13825	561	8073	20701	39640
Undistributed	579181	153561	0	1290	345208	0	79122	204016	237762
State of Iowa	13007866	2182869	929021	5100899	2735211	809237	1250628	1767262	3491313

Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1994.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	35792	5587	1376	14845	7960	632	5392	3118	17504
Adams	23541	2254	1792	8976	5624	551	4344	2830	7913
Allamakee	53044	5449	2777	24575	13677	630	5936	3008	4351
Appanoose	70642	12397	4037	31533	16235	2746	3694	1824	6305
Audubon	31989	2025	1647	13815	8338	465	5699	4037	17949
Benton	74438	5911	3006	37378	18143	698	9302	9321	44188
Black Hawk	469134	85447	31338	219121	119319	4551	9358	6031	63276
Boone	97317	7595	8530	47555	26253	763	6621	3347	28682
Bremer	75130	10289	2669	37712	16321	1190	6949	6529	22264
Buchanan	69338	7683	3029	33572	15662	587	8805	7231	18617
Buena Vista	83742	6193	5005	36947	18196	8290	9111	6985	40096
Butler	65575	6491	2376	29580	15440	448	11240	3826	24530
Calhoun	51365	4285	1993	25226	12618	409	6834	2521	29492
Carroll	81425	9554	4580	39630	20403	819	6439	5541	28126
Cass	64972	6168	3253	31899	16951	624	6077	3892	24916
Cedar	59302	4567	4442	27113	13227	577	9376	7018	31445
Cerro Gordo	188816	22095	8605	93067	43005	6118	15926	7119	43288
Cherokee	54949	6428	2568	26981	13458	604	4910	6930	35127
Chickasaw	70412	4624	2180	23255	12404	18333	9616	5297	14005
Clarke	35160	3609	1521	14399	8397	332	6902	2420	5822
Clay	76733	7378	4077	31178	14601	654	18845	5261	39414
Clayton	77839	10464	4289	33961	17545	1656	9924	6632	9619
Clinton	183636	15753	6980	96100	52028	1698	11077	9338	41174
Crawford	76136	12223	4371	28540	17249	5863	7890	8190	38436
Dallas	100077	9387	4576	51641	28513	862	5098	10199	35440
Davis	35280	4320	1663	14657	8578	390	5672	1306	9109
Decatur	45209	9093	1924	15402	12126	422	6242	2380	7526
Delaware	54597	5691	2645	24731	11558	1035	8937	8507	16744
Des Moines	181533	21379	9588	83473	37839	25188	4066	3391	22710
Dickinson	65653	4514	2280	33311	13915	-845	12478	2951	22213
Dubuque	300377	40551	16680	144486	83809	6572	8279	4328	16870
Emmet	65899	5236	2254	23497	12860	3074	18978	1469	29230
Fayette	92899	8468	4625	41119	25597	979	12111	7869	19108
Floyd	75333	10128	2540	36331	15706	478	10150	5542	21309
Franklin	52874	4105	2126	21055	9256	894	15438	4712	30716
Fremont	43796	4499	1671	17354	10266	849	9157	3423	28409
Greene	46098	4713	2183	22676	9990	434	6102	4110	29892
Grundy	46724	2351	1793	22909	10198	370	9103	2469	25708
Guthrie	49156	4337	2617	22813	12468	549	6372	2970	18205
Hamilton	68386	6112	2651	30653	17998	655	10317	4028	38611
Hancock	51647	2515	2197	23090	9276	1434	13135	4008	35091
Hardin	85936	6507	3730	41195	22590	1896	10018	4935	32231
Harrison	69748	9299	3699	29375	18812	1830	6733	4622	30965
Henry	67367	7287	3411	32785	15977	601	7306	3520	20492
Howard	49409	6458	1576	18053	11079	909	11334	3074	16565
Humboldt	48235	3392	2611	22731	11076	544	7881	3032	29607
Ida	31369	3216	1567	15445	6831	352	3958	6441	24134
Iowa	53725	3393	2790	25525	10657	739	10621	3590	21733
Jackson	79892	9396	3498	36056	21734	781	8427	5124	12559
Jasper	123256	15455	5339	62430	30796	999	8237	5716	35985



Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1994 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	52537	5185	4949	23337	11713	577	6776	3344	19332
Johnson	431772	141019	69753	95501	47167	66753	11579	5927	57253
Jones	65311	7493	2717	30333	15020	886	8862	6018	20786
Keokuk	59946	5255	3042	24701	13529	638	12781	3059	22021
Kossuth	89796	9064	3356	33875	15949	684	26868	7944	76932
Lee	142691	18545	6528	72159	34645	4099	6715	6898	16731
Linn	736749	70336	50406	269055	116406	220117	10429	6706	103909
Louisa	55079	11490	2481	18291	7930	7765	7122	3070	21761
Lucas	45167	5802	2301	19236	12188	523	5117	3141	6729
Lyon	40738	3576	1707	19820	8557	394	6684	4103	30447
Madison	48338	5124	2158	21218	14043	527	5268	2721	12464
Mahaska	83051	12031	3602	37445	19303	1997	8673	3437	23710
Marion	157042	22713	36563	57993	28260	5223	6290	2963	14432
Marshall	157997	32699	6112	76324	29498	4789	8575	4289	32274
Mills	51701	6722	2259	24109	12604	471	5536	5286	23874
Mitchell	48708	3258	1843	22234	9605	402	11366	3279	26320
Monona	54476	6530	2654	23026	13602	574	8090	2693	20677
Monroe	41909	7844	1304	17553	10935	205	4068	1923	5186
Montgomery	56771	5386	2747	25724	17590	629	4695	3516	16633
Muscatine	133313	13364	5588	63963	29691	12067	8640	4403	29427
O'Brien	67760	7017	3138	31074	14790	526	11215	5076	31826
Osceola	37846	3579	1367	13342	6206	259	13093	2326	29244
Page	76204	9208	3170	35733	20689	2017	5387	3049	15080
Palo Alto	61683	7588	2144	22587	11622	532	17210	3845	38584
Plymouth	77246	8643	4285	38202	18233	1204	6679	8576	48103
Pocahontas	43502	3208	2147	20355	8288	341	9163	2514	34190
Polk	2546056	796072	321188	527238	308040	97849	495669	23665	284392
Pottawattamie	509078	55006	13282	155419	81145	2865	201361	7089	109943
Poweshiek	78583	6182	2584	33133	16903	514	19267	7270	23338
Ringgold	31963	4615	1529	11242	5995	409	8173	4067	8666
Sac	49094	4272	2459	25210	11970	403	4780	5877	34301
Scott	529641	79553	28507	273946	124688	16574	6373	8612	131335
Shelby	56190	9588	2507	24726	12717	973	5679	6038	29644
Sioux	94844	11704	4493	43178	22211	5909	7349	10369	42193
Story	338352	102298	39700	89832	52180	43599	10743	6249	51862
Tama	71418	6189	3919	33114	15046	872	12278	6980	30359
Taylor	38420	4851	1977	14489	8490	1494	7119	1504	11152
Union	65088	9743	3769	26197	19565	704	5110	2788	8199
Van Buren	34677	3129	1831	15137	7878	341	6361	1350	10457
Wapello	179416	35707	7263	80856	48254	1703	5633	3069	18972
Warren	93471	10071	4987	46412	24057	933	7011	3130	24742
Washington	81859	16027	3984	35908	14763	890	10287	5427	27742
Wayne	44717	5785	2040	15987	12562	512	7831	1950	9878
Webster	172877	18189	15734	82612	44942	2256	9144	3318	45880
Winnebago	54434	4468	2328	22363	10977	468	13830	3249	32664
Winneshiek	71266	6991	4098	29308	19971	672	10226	2885	6975
Woodbury	407306	57636	43463	177750	109707	8667	10083	6102	86447
Worth	38394	2431	1450	15614	6935	302	11662	3981	34921
Wright	66954	4872	3134	32759	13865	536	11788	3811	37112
Undistributed	426058	104720	659	1107	248116	0	71456	0	384962
State of Iowa	13152387	2269050	953879	4870474	2791599	634875	1632510	480849	3531758

Table 4. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1993.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	35891	4498	1260	14336	6818	196	8783	5799	13994
Adams	23076	1750	1437	8920	4828	339	5802	4952	6851
Allamakee	52822	6422	2581	23814	11402	526	8077	3786	3667
Appanoose	65571	11052	3858	31384	13993	1509	3775	4276	4098
Audubon	34877	2007	1587	13501	7594	250	9938	8860	14487
Benton	77015	5710	3120	35159	15365	639	17022	16056	34087
Black Hawk	453124	77296	30223	211923	107932	10739	15011	17633	52787
Boone	94743	7044	5415	46256	22687	802	12539	8928	25258
Bremer	78765	11795	2738	36184	14084	3525	10439	13333	15876
Buchanan	72194	6518	3231	32651	13548	556	15690	15521	11031
Buena Vista	84633	5282	5007	35988	15739	8345	14272	11481	27932
Butler	65105	5439	2379	29002	13148	436	14701	14207	12546
Calhoun	59585	8034	2088	24840	10832	391	13400	8246	22054
Carroll	81491	8943	4634	38197	17467	778	11472	11417	21727
Cass	66454	6537	3268	30940	14563	620	10526	9330	17967
Cedar	63735	3941	4037	26368	11366	697	17326	14856	28712
Cerro Gordo	180752	21629	8702	89646	37927	6321	16527	21558	29272
Cherokee	57714	4167	2572	26560	11684	469	12262	14600	28739
Chickasaw	54839	3608	2322	22373	10598	3498	12440	13226	7059
Clarke	31598	3420	1420	14062	7365	311	5020	2909	4364
Clay	78385	15419	3818	30751	12858	556	14983	11949	23912
Clayton	74261	8068	4075	32444	14978	863	13833	9900	6353
Clinton	182628	15642	7230	92877	45811	1372	19696	16483	36459
Crawford	74921	7536	4082	27239	14841	7572	13651	17236	31534
Dallas	97989	7681	4370	49646	24159	931	11202	13093	31177
Davis	32198	3859	1611	13613	7363	260	5492	2927	7716
Decatur	41853	8994	2043	14785	10468	421	5142	2699	4771
Delaware	58621	5930	2644	23390	10018	1349	15290	11839	10552
Des Moines	192220	17099	9089	82447	38743	37410	7432	9737	17049
Dickinson	63350	3572	2344	32216	11784	4928	8506	9548	9691
Dubuque	278487	30951	16549	140708	73987	6984	9308	5924	16942
Emmet	54781	4870	2253	22342	11930	2415	10971	14340	14175
Fayette	92742	7983	4494	39494	22315	676	17780	15584	8029
Floyd	76940	8623	2641	35407	14014	3226	13029	18438	12572
Franklin	58437	6339	2110	20847	7972	4148	17021	24282	17820
Fremont	43314	6236	1715	16734	8880	853	8896	9260	20923
Greene	51195	4832	2141	21825	8637	416	13344	9597	24794
Grundy	50615	2243	1874	22175	8848	352	15123	12924	19721
Guthrie	49919	4488	2424	22271	10615	407	9714	7484	14920
Hamilton	68798	5658	2534	29349	15436	473	15348	16521	26959
Hancock	50957	2484	2388	21625	7726	1041	15693	17259	22105
Hardin	87338	5925	3652	39552	19097	747	18365	21019	24079
Harrison	73516	12411	3598	28356	16181	1188	11782	10176	24552
Henry	64101	6139	3159	31356	13452	544	9451	9117	17073
Howard	48477	8055	1527	17291	9557	720	11327	10480	9861
Humboldt	48528	3463	2320	21927	9118	400	11300	9392	21743
Ida	35226	2677	1647	14910	5768	260	9964	9402	22682
Iowa	53945	3315	2862	24870	9336	491	13071	9152	18138
Jackson	76451	8471	3360	34892	18292	528	10908	6385	11678
Jasper	123192	15935	4812	59901	26656	897	14991	13622	31141

Table 4. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1993 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	50305	5427	3895	22534	10114	909	7426	7310	16620
Johnson	384668	130175	54007	89483	42824	55292	12887	10263	52428
Jones	64900	5107	2752	29286	12983	522	14250	10730	20850
Keokuk	58246	4802	3056	23875	11595	603	14315	9982	20975
Kossuth	86391	10336	3470	32800	13880	624	25281	34577	52376
Lee	131089	15814	6474	69041	30285	2391	7084	6473	13066
Linn	731195	62997	51348	258482	103974	239426	14968	11849	72066
Louisa	42810	4627	2503	17963	6829	1053	9835	8722	24905
Lucas	41403	5633	2156	18460	10595	298	4261	3114	4339
Lyon	42402	2884	1833	18614	7352	364	11355	10321	24673
Madison	46661	5135	2196	20665	12010	361	6294	4972	9899
Mahaska	81314	10379	3424	37107	17265	872	12267	8208	19822
Marion	142081	11437	36351	55562	24562	7309	6860	6031	10990
Marshall	154278	22484	5901	73585	26375	11500	14433	12628	25207
Mills	51309	6521	2074	23323	10819	343	8229	7729	19870
Mitchell	46749	3356	1885	21320	8423	352	11413	11890	18956
Monona	55495	6165	2622	22495	11705	838	11670	7443	13694
Monroe	37201	5663	1336	17119	9524	213	3346	1851	5039
Montgomery	55249	4379	2382	24737	15530	394	7827	7994	16176
Muscatine	141034	13484	5826	61921	26487	22988	10328	10317	28752
O'Brien	67854	7444	3165	30210	12631	525	13879	15508	17899
Osceola	37129	1915	1301	12868	5319	6202	9524	9559	14810
Page	73148	8466	3458	35177	17666	663	7718	5927	12876
Palo Alto	59601	10952	2146	21516	9755	414	14818	16925	16039
Plymouth	80849	6647	4115	36736	15716	572	17063	12758	41684
Pocahontas	47269	2885	2234	19629	7096	343	15082	10638	25735
Polk	1933600	592609	259944	493139	276499	76898	234511	36305	177544
Pottawattamie	410396	57545	12429	148372	72919	2014	117117	12309	96192
Poweshiek	71631	7327	2586	31556	14552	482	15128	11412	17706
Ringgold	27505	3111	1497	10736	5099	329	6733	3200	8605
Sac	55317	5539	2421	24552	10300	387	12118	12332	28223
Scott	519577	70597	26028	262076	112640	31143	17093	12667	111431
Shelby	59042	7997	2568	23859	10909	417	13292	11044	24708
Sioux	99849	11241	4414	41301	19281	4767	18845	16428	30516
Story	296297	66531	41596	86168	46241	39783	15978	15119	42764
Tama	74763	7210	3893	32046	13016	1313	17285	17396	25650
Taylor	36219	3752	2000	14136	7248	1540	7543	4114	7845
Union	65997	11821	4101	25795	18428	601	5251	4727	7589
Van Buren	32794	3584	1904	14621	6748	335	5602	3828	8637
Wapeilo	159372	25941	6725	78347	41321	1156	5882	8026	16835
Warren	85038	7221	5072	44112	20678	916	7039	14239	14829
Washington	72038	5499	3533	35509	12583	844	14070	13269	23858
Wayne	40910	4949	1935	15603	10693	363	7367	2665	8362
Webster	177337	22402	15971	79855	40173	2308	16628	13843	37887
Winnebago	50035	4282	2262	21369	9407	426	12289	17438	17662
Winneshiak	69868	6027	4064	28880	17309	696	12892	4998	4144
Woodbury	392290	48545	41115	172151	99859	12109	18511	14304	73157
Worth	36633	2287	1498	15237	5949	287	11375	14162	17462
Wright	67921	4312	3223	31866	12016	519	15985	17062	25370
Undistributed	487058	104722	0	1113	314250	0	66973	0	334293
State of Iowa	12249490	1910156	863937	4684252	2557211	658384	1575550	1121349	2702645

Table 5. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1992.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	32585	4618	1268	13940	7615	207	4937	4747	16014
Adams	20992	2315	1460	8532	4634	234	3817	3188	7273
Allamakee	47388	4919	2336	22880	11232	775	5246	2552	2400
Appanoose	64061	12034	3681	30090	13211	2279	2766	2622	6498
Audubon	29790	1973	1589	12859	7526	252	5591	4994	15276
Benton	70023	9825	2594	34004	14790	501	8309	10385	34527
Black Hawk	471125	83783	27393	202855	95304	55255	6535	7671	26574
Boone	84449	7695	5522	43818	21278	563	5573	4624	26509
Bremer	68602	12059	2635	34649	13832	683	4744	7967	7743
Buchanan	61661	6233	2958	31917	13014	522	7017	8915	7456
Buena Vista	73882	5311	4803	34702	14762	8094	6210	6534	29832
Butler	56473	5087	2415	27941	12633	441	7956	6103	12568
Calhoun	46876	3981	1968	23910	10333	512	6172	4866	22114
Carroll	72962	10247	4471	36541	15758	768	5177	6600	21144
Cass	56962	4887	3045	29470	13816	466	5278	4998	17956
Cedar	53868	4501	3912	25053	10875	1036	8491	8301	30394
Cerro Gordo	159926	18118	8172	86004	36056	2824	8752	9852	30516
Cherokee	48810	4136	2349	25480	11002	450	5393	8939	28326
Chickasaw	45306	3818	2165	21281	10260	1474	6308	8072	6107
Clarke	31093	5238	1485	13518	6835	218	3799	2440	8749
Clay	61775	6770	3722	29605	12146	721	8811	6953	20272
Clayton	67734	7663	3996	31235	14463	2046	8331	6617	4644
Clinton	167123	16697	6758	88905	43257	1196	10310	11399	32618
Crawford	64874	6212	4033	26328	14239	7077	6985	11496	33307
Dallas	89858	9553	4338	46567	23216	729	5455	9734	28863
Davis	30996	4368	1524	13587	6997	358	4162	1103	7351
Decatur	36639	6439	1833	14073	9973	315	4006	4712	6182
Delaware	49713	5477	2590	22893	9589	1990	7174	7376	8608
Des Moines	185653	17791	8415	76925	32486	46359	3677	3550	15902
Dickinson	55663	6896	2095	30608	11140	429	4495	4532	12563
Dubuque	270402	38223	15633	132527	68830	10030	5159	4312	12928
Emmet	52756	4837	2031	22132	11070	7004	5682	7765	14773
Fayette	82653	9665	4254	38003	20856	1039	8836	10671	7411
Floyd	65154	8525	2464	34075	13103	414	6573	10825	12014
Franklin	44911	3615	2129	20154	7521	2995	8497	11484	18947
Fremont	34465	3633	1433	16212	8302	252	4633	6549	21700
Greene	41728	4060	2069	20723	8342	423	6111	6065	27016
Grundy	39903	2013	1713	21342	8279	324	6232	5554	21868
Guthrie	44399	4329	2267	21717	10040	427	5619	4082	17360
Hamilton	63616	10167	2625	28278	14809	540	7197	5951	29163
Hancock	40870	3104	2116	20292	7347	396	7615	8694	21712
Hardin	74180	6085	3376	38370	18504	585	7260	11253	25315
Harrison	57654	5864	3527	26913	15264	536	5550	5630	20399
Henry	57024	5482	3067	29929	12810	623	5113	4653	19349
Howard	39080	4434	1509	16695	9036	914	6492	7143	5528
Humboldt	41622	3056	2657	20947	8807	419	5736	3957	25426
Ida	28964	2456	1575	14509	5517	252	4655	6097	20812
Iowa	50279	6607	2728	23801	8811	468	7864	3958	17915
Jackson	70947	9531	3118	33523	17458	500	6817	4552	11832
Jasper	111464	15135	4364	57070	25538	1617	7740	10194	32233

Table 5. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1992 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	53439	13167	3668	21977	9411	680	4536	4324	15170
Johnson	344775	120040	48791	84137	35870	49190	6747	5155	26377
Jones	55593	5268	2834	27812	12358	442	6879	7350	19150
Keokuk	53593	7282	3009	22485	11117	579	9121	5191	22261
Kossuth	67974	6702	3288	31574	13128	690	12592	16382	52638
Lee	132711	25000	6021	67472	28821	1744	3653	2461	12812
Linn	749466	65980	50211	242624	97574	285544	7533	5243	59615
Louisa	36581	4031	2454	17242	6483	310	6061	3811	18174
Lucas	42157	5332	4928	17855	9952	839	3251	2619	4899
Lyon	35933	3850	1772	17767	6975	324	5245	7946	23166
Madison	42751	5620	2094	19496	11415	342	3784	3134	11027
Mahaska	72837	9458	3489	35490	16489	792	7119	4229	21401
Marion	140244	20238	33514	52862	23112	6205	4313	3355	10615
Marshall	136969	23400	5540	71000	24328	5070	7631	7862	26691
Mills	47562	8966	2106	21797	10476	360	3857	5225	17626
Mitchell	38951	2767	1770	20660	7938	333	5483	7465	19707
Monona	48094	5787	2430	21654	11111	406	6706	4939	15639
Monroe	34274	4435	1327	16553	9264	227	2468	1752	4791
Montgomery	49370	4669	2333	23592	14251	352	4173	5050	14385
Muscatine	123157	12689	5405	59677	24859	14957	5570	5063	20423
O'Brien	56921	6442	2910	28866	12207	497	5999	9905	16813
Osceola	25311	2079	1293	12285	5101	216	4337	6141	16555
Page	71987	13153	3258	33214	17160	836	4365	2968	13210
Palo Alto	46954	6034	2008	20864	9488	483	8077	9117	20185
Plymouth	69279	5901	3961	35241	15260	593	8323	8667	45295
Pocahontas	38261	2821	1996	18849	6844	569	7182	5475	26588
Polk	1903153	458439	249953	469189	257159	91305	377108	6870	112782
Pottawattamie	533236	48405	11515	140070	67667	1586	263993	8347	50975
Poweshiek	70221	11529	2393	30271	14155	451	11422	6414	20096
Ringgold	25452	2941	1592	10367	4895	289	5368	2543	6811
Sac	44947	3285	2189	23866	9860	372	5375	7442	31598
Scott	456125	55400	23353	246653	103856	21337	5526	6495	44631
Shelby	48306	6420	2446	22562	10406	425	6047	6462	24806
Sioux	82779	11116	4262	39701	18601	693	8406	8127	31204
Story	288649	81955	37633	82237	39857	40462	6505	7433	44271
Tama	64126	6244	3731	30136	12464	2590	8961	10934	25387
Taylor	33554	4130	1932	13973	6940	974	5605	2261	8463
Union	59638	11557	3954	24621	15013	956	3537	6963	7398
Van Buren	29783	2920	1872	13939	6714	350	3988	1949	7931
Wapello	148802	24012	6186	75083	38568	1380	3573	4158	13634
Warren	86032	11579	4531	41902	20024	3815	4181	5381	16776
Washington	62986	5119	3171	33764	12073	1007	7852	6393	25052
Wayne	38358	5095	1887	15297	10148	359	5572	2200	8750
Webster	162812	24670	14666	76783	37361	2038	7294	5824	36662
Winnebago	42706	3980	2041	20787	8971	387	6540	10059	18809
Winneshiek	62888	6888	3712	27721	16324	574	7669	3496	2912
Woodbury	362985	49535	38808	165748	90352	7828	10714	8633	47350
Worth	30410	2231	1509	14767	5658	370	5875	8467	19194
Wright	58372	5436	2925	30321	11397	521	7772	7107	28837
Undistributed	490700	136070	0	1077	298429	0	55124	0	547732
State of Iowa	11521082	1819533	818849	4471259	2390401	721175	1299865	626021	2649267

Table 6. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1991.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	30549	4100	1264	13228	6545	202	5210	5118	14638
Adams	18892	1450	1453	8163	3776	217	3833	2886	7566
Allamakee	48422	4519	2296	21285	8735	6147	5440	2644	2346
Appanoose	58634	10313	3251	28588	10816	2793	2873	6258	4702
Audubon	33202	6387	1619	12633	6380	252	5931	5677	14520
Benton	61780	5970	2737	32225	11982	530	8336	13283	42568
Black Hawk	467832	113170	25712	193574	82438	46493	6445	9479	44246
Boone	77737	5436	5744	43050	16929	521	6057	5600	26084
Bremer	61396	6480	2531	32975	11377	2972	5061	8145	11096
Buchanan	58663	7400	2886	30332	10590	513	6942	10940	11066
Buena Vista	71136	4908	4431	33261	12383	9296	6857	6624	29934
Butler	53518	6102	2227	26441	10259	421	8068	8182	12576
Calhoun	43140	2977	2013	23078	8197	387	6488	5989	20197
Carroll	64694	6632	3933	34841	12766	693	5829	8083	19852
Cass	53115	4751	2770	28141	11336	433	5684	6807	17128
Cedar	73616	25187	3544	23549	8969	4229	8138	9969	25763
Cerro Gordo	153758	15067	8271	81338	29617	6769	12696	11985	31337
Cherokee	45875	3739	2300	24395	8897	402	6142	8462	28593
Chickasaw	43238	4217	2040	20086	8243	2158	6494	8348	6130
Clarke	26540	2731	1587	12782	5728	237	3475	2524	5048
Clay	61344	11289	3566	27084	10173	714	8518	8380	21739
Clayton	64795	7777	3834	30264	11865	2492	8563	7359	5293
Clinton	150892	13345	6905	84329	35096	1590	9627	13793	30324
Crawford	58244	7511	3888	25345	11643	2180	7677	13065	26639
Dallas	81361	8283	3986	43278	18827	973	6014	10050	28293
Davis	27706	3434	1398	13097	5726	236	3815	1621	7306
Decatur	36001	8212	1690	13729	8107	304	3959	1855	4787
Delaware	44250	4387	2430	21045	8057	838	7493	7931	8376
Des Moines	159027	18044	8339	73138	27394	28671	3441	4373	15841
Dickinson	52963	7773	1962	28819	9120	443	4846	5152	12757
Dubuque	277657	57391	15662	126034	57315	15744	5511	3928	13389
Emmet	47550	4340	1969	21354	9667	4147	6073	11488	15652
Fayette	75149	7137	4040	36405	17236	797	9534	12496	6598
Floyd	60994	7307	2502	32764	10909	533	6979	13444	13661
Franklin	41186	3073	2107	19010	6036	2361	8599	14207	18900
Fremont	32254	3118	1579	15573	6571	318	5095	6754	21392
Greene	39028	3430	2039	19924	6646	384	6605	7918	23562
Grundy	37616	1792	1622	20510	6604	320	6768	7121	22687
Guthrie	40702	3372	2271	20640	8017	406	5996	6481	14147
Hamilton	59539	10534	2405	26977	11815	493	7315	7980	28547
Hancock	37592	1935	2059	19151	5916	444	8087	11444	22357
Hardin	68430	5856	3200	36505	14783	574	7512	13686	24784
Harrison	56066	8395	3060	25564	12313	513	6221	7567	23551
Henry	53280	5024	2931	28878	10875	628	4944	7400	22315
Howard	39258	3655	1411	16038	7347	3992	6815	8525	5159
Humboldt	38098	2849	2305	20013	7127	473	5331	6455	22168
Ida	27389	2133	1417	13928	4426	330	5155	6841	20679
Iowa	43319	3126	2628	22733	6899	557	7376	4402	16806
Jackson	64161	8049	3295	31643	14199	513	6462	4950	11051
Jasper	97316	10432	4261	53680	20261	690	7992	7835	28729

Table 6. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1991 (continued).

County	Direct Federal Expenditures or Obligations						Other Federal Assistance		
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	41793	4210	3586	21194	8028	436	4339	4614	15425
Johnson	315355	107347	45496	77024	33583	45617	6288	6822	43172
Jones	51802	4695	3850	27393	9864	439	5561	8441	15371
Keokuk	46614	3910	2902	21602	8939	530	8731	6222	21366
Kossuth	62519	5125	3310	30217	10667	525	12675	21534	53105
Lee	121429	14339	5858	64590	23162	10394	3086	2292	14924
Linn	649584	51201	44724	225748	83626	237082	7203	8927	132404
Louisa	34051	4013	2378	16223	5284	1134	5019	5966	17445
Lucas	37610	6866	1907	17406	7996	252	3183	3224	4876
Lyon	32645	2408	1669	16980	5617	320	5651	7177	23724
Madison	38652	4661	1940	18444	9297	336	3974	3904	10639
Mahaska	66486	7611	3234	33926	13633	808	7274	4994	19568
Marion	117847	8560	30926	50644	19184	4393	4140	3841	11995
Marshall	117941	15394	5462	68003	20440	915	7727	6893	25380
Mills	41165	5527	2088	20633	8285	368	4264	5120	21491
Mitchell	36823	2955	1695	19506	6466	320	5881	8313	19331
Monona	44498	5431	2428	20617	8817	387	6818	6335	15119
Monroe	31240	4061	1198	15818	7483	231	2449	1379	4977
Montgomery	44861	3645	2226	22818	11406	360	4406	5276	15339
Muscatine	115438	11811	4983	56019	20575	17216	4834	5986	21322
O'Brien	52945	5254	3064	27459	9872	505	6791	10770	18638
Osceola	26845	1975	1216	11829	4108	1268	6449	7452	16361
Page	68759	13655	3251	32701	13938	600	4614	3485	12510
Palo Alto	43232	5212	1993	19703	7648	353	8323	11538	19585
Plymouth	65286	5362	4182	33609	12346	792	8995	8189	43328
Pocahontas	37540	3184	1832	18327	5449	1439	7309	6486	25891
Polk	1739420	372536	238219	443863	215446	138530	330826	6177	168418
Pottawattamie	335927	34124	11181	131116	54404	12166	92936	11475	76551
Poweshiek	61842	4793	2257	28637	11437	4618	10100	9581	16928
Ringgold	23452	2760	1651	9639	3875	296	5231	2371	5968
Sac	42934	3276	2243	23086	7988	397	5944	8089	27893
Scott	429483	55111	22632	235030	87510	17321	11879	6889	91809
Shelby	46835	6982	2357	21683	8677	395	6741	10564	23755
Sioux	81861	11346	4059	37470	15419	4352	9215	12256	31833
Story	274511	80038	34001	77796	37777	37989	6910	8724	40254
Tama	58463	5867	3547	28961	10133	679	9276	10092	23023
Taylor	31354	4312	1777	13510	5637	416	5702	3525	8699
Union	55116	11286	3708	23581	12715	538	3288	7422	7041
Van Buren	27569	2994	1757	13300	5414	343	3761	2337	7797
Wapello	134269	20151	6187	71610	31906	998	3417	4659	13923
Warren	70978	7184	4237	38892	15929	743	3993	5629	18196
Washington	56872	4460	2882	31747	9677	677	7429	7342	23991
Wayne	34721	4298	1754	14683	8075	340	5571	2706	7357
Webster	143224	15862	14338	73657	30178	1584	7605	6549	38219
Winnebago	40789	4082	2009	19847	7539	439	6873	15541	19030
Winneshiek	58485	6691	3534	26087	13782	539	7852	4264	2787
Woodbury	335118	43611	37461	158057	74182	10910	10897	10684	58997
Worth	28462	1924	1335	14062	4555	305	6281	10410	17650
Wright	53502	3892	2948	28862	9456	488	7856	11325	30105
Undistributed	376304	119439	0	941	209010	0	46914	0	221330
State of Iowa	10403357	1619973	776838	4245963	1943372	720405	1096806	745295	2537717

Table 7. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1986.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	27449	3783	1090	10882	3514	107	8073	24156	13399
Adams	16502	1331	1211	7266	2405	107	4182	13412	8195
Allamakee	34962	4356	1652	17232	5398	635	5689	5765	2538
Appanoose	45873	8292	2815	24179	6988	970	2629	4775	7917
Audubon	24364	1228	1365	10046	3330	122	8273	24230	9546
Benton	54138	3386	2303	25514	7762	300	14873	30253	14940
Black Hawk	351951	98450	18935	143468	51914	24967	14217	34420	30242
Boone	64409	3790	4542	34220	10956	656	10245	28397	14051
Bremer	71205	3424	1975	26102	8060	22614	9030	24595	5879
Buchanan	61055	5462	2229	23558	7394	795	21617	29371	8985
Buena Vista	85686	4578	3434	26225	8608	31267	11574	33692	22536
Butler	43568	2987	1780	20409	6690	198	11504	33638	11738
Calhoun	40658	3112	1619	18557	5299	197	11874	36941	11514
Carroll	54233	4959	3294	26804	8338	343	10495	32615	15409
Cass	44758	3137	2453	22332	7111	231	9494	25137	12462
Cedar	45310	2284	2864	19169	5550	211	15232	31869	11483
Cerro Gordo	122329	10074	7157	62165	18185	3324	21424	42386	14699
Cherokee	41364	3180	2316	18940	5501	1105	10322	28503	15787
Chickasaw	47218	2235	1692	15979	5545	4951	16816	27743	5638
Clarke	20005	1886	1144	9911	3622	371	3071	9238	6596
Clay	46199	3441	3010	21117	6395	340	11896	32920	12459
Clayton	49112	4844	2857	23302	7967	279	9863	15457	3916
Clinton	120473	10113	5588	66191	22145	743	15693	32927	12720
Crawford	48764	3676	3290	19631	7242	2892	12033	35222	17829
Dallas	61003	5099	3276	34197	12203	645	5583	29819	17307
Davis	21959	2299	1108	10837	3835	107	3773	8274	8315
Decatur	28060	6124	1278	11447	5654	256	3301	8193	6254
Delaware	134929	6270	1885	16746	5476	198	104354	19519	8432
Des Moines	149737	12310	7326	57275	15687	50224	6915	15775	12204
Dickinson	38895	2184	1584	21238	5779	179	7931	21948	8775
Dubuque	190136	26776	12697	93472	36117	12903	8171	7328	7504
Emmet	38411	3719	1618	15903	6427	487	10257	32781	9937
Fayette	79643	6471	3376	29211	11213	3695	25677	34220	6924
Floyd	47966	4481	2007	24096	6593	224	10565	31583	8118
Franklin	41894	2300	1662	15305	4011	2118	16498	48711	14293
Fremont	31095	5190	1205	12775	4394	129	7402	29941	11288
Greene	38101	3511	1669	16454	4343	300	11824	36771	13508
Grundy	37577	1587	1474	16439	4422	167	13488	32181	10244
Guthrie	34153	2334	1710	16926	5378	215	7590	22946	10651
Hamilton	48614	4334	2220	21265	7646	221	12928	38390	14827
Hancock	36302	1519	1782	14771	3931	156	14143	40875	13056
Hardin	61226	3361	2740	28982	9908	301	15934	43452	16995
Harrison	45575	4285	2546	20682	7939	357	9766	33609	14106
Henry	43829	3092	2595	22947	6517	345	8333	17423	13131
Howard	31368	2273	1066	12664	4944	1250	9171	23052	6102
Humboldt	35291	3389	1813	15165	4541	167	10216	25863	11727
Ida	24257	1550	1189	11146	2908	453	7011	27080	13957
Iowa	42330	5003	2061	18063	4505	1387	11311	22999	8520
Jackson	55495	7024	2680	24630	9186	490	11485	10070	6679
Jasper	75307	5563	3357	40966	12737	380	12304	32401	21299



Table 7. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1986 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	36334	3727	2774	17211	5042	417	7163	14178	14269
Johnson	239721	71092	33564	56715	17688	50401	10261	18092	22550
Jones	45557	3520	1934	20267	6613	233	12990	21218	5903
Keokuk	42585	4971	2112	18417	5896	232	10957	25317	14313
Kossuth	60709	3594	2492	24140	6854	273	23356	68343	32164
Lee	84922	8430	4532	50997	15172	613	5178	11613	9773
Linn	733470	33069	35451	164279	52657	388541	59473	18942	41615
Louisa	27869	2278	1336	12788	3410	176	7881	19721	8930
Lucas	26813	2866	1441	14333	5155	173	2845	7397	5595
Lyon	32489	4061	1374	13427	3655	323	9649	27252	13788
Madison	31129	2843	1466	14910	6022	154	5734	13686	8694
Mahaska	53242	5037	2530	27174	8368	268	9865	21116	11133
Marion	94096	4745	26386	38857	12808	5015	6285	16242	9517
Marshall	96279	12794	4115	52869	12667	995	12839	34206	18200
Mills	34450	4896	1715	15807	5181	165	6686	23282	10673
Mitchell	33075	2162	1400	15586	4170	160	9597	25655	9499
Monona	39066	3299	2530	16163	5765	416	10893	28821	7500
Monroe	24308	2408	1126	13524	4839	95	2316	5342	8279
Montgomery	36738	2813	1936	18235	7305	254	6195	20304	11025
Muscatine	94576	9385	4064	42408	12085	18388	8246	14122	12508
O'Brien	46101	3093	2425	21398	6618	268	12299	38548	10403
Osceola	34250	2279	890	9663	2661	88	18669	26671	8197
Page	48035	4098	2875	25931	8671	464	5996	20567	9354
Palo Alto	38821	3371	1474	15966	5071	231	12708	42164	14445
Plymouth	54734	3521	3494	25586	8240	831	13062	32435	20787
Pocahontas	36024	1945	1599	14700	3528	148	14104	40821	15500
Polk	1054220	277190	173678	333008	138829	60508	71007	23014	84858
Pottawattamie	230455	27145	8572	102025	33728	21858	37127	42062	52029
Poweshiek	46089	3702	1742	21828	7106	759	10952	25690	10063
Ringgold	16863	1789	1255	7601	2640	126	3452	11342	7376
Sac	39420	1976	2068	18298	5175	216	11687	33524	17122
Scott	334169	35527	19092	158002	53466	45789	22293	17166	49245
Shelby	40663	4775	1985	16560	5545	190	11608	34718	14711
Sioux	66940	5745	3207	28941	10548	3466	15033	37579	16135
Story	191710	48011	28715	56563	21605	24180	12636	36585	21639
Tama	58608	4756	2745	23135	6693	7488	13791	30924	15328
Taylor	24521	3188	1433	11039	3770	156	4935	18475	9224
Union	37971	4590	2974	19124	7154	412	3717	12257	7393
Van Buren	22401	2164	1416	10890	3411	313	4207	9202	7042
Wapello	100660	12082	5929	57848	19452	801	4548	10075	9338
Warren	55878	5926	3594	29392	10038	830	6098	16513	10560
Washington	47623	3218	2758	23991	6164	249	11243	25254	14332
Wayne	27262	3705	1445	12058	5377	195	4482	13091	9943
Webster	119319	17599	9462	57009	19050	1003	15196	46371	18814
Winnebago	36525	2035	1482	15892	4663	301	12152	37332	10443
Winneshiek	45985	4040	2851	19955	9398	294	9447	10568	2858
Woodbury	253671	31323	27125	121721	47042	7920	18540	46982	47758
Worth	27647	1503	1039	11489	2991	127	10498	28357	7655
Wright	48514	3035	2397	22960	6071	327	13724	43470	13627
State of Iowa	8343504	1214740	602538	3257476	1148928	821909	1297913	2579473	1533450

Table 8. Percentage of Total Direct Federal Funds Received as Retirement and Disability Payments in Iowa Counties, 1986, 1991, and 1996.

County	1996	1991	1986	County	1996	1991	1986
Adair	47.7	43.3	39.6	Jefferson	48.1	50.7	47.4
Adams	45.0	43.2	44.0	Johnson	23.6	24.4	23.7
Allamakee	52.9	44.0	49.3	Jones	53.5	52.9	44.5
Appanoose	53.2	48.8	52.7	Keokuk	49.6	46.3	43.2
Audubon	46.1	38.0	41.2	Kossuth	52.2	48.3	39.8
Benton	52.0	52.2	47.1	Lee	52.6	53.2	60.1
Black Hawk	50.9	41.4	40.8	Linn	33.9	34.8	22.4
Boone	44.3	55.4	53.1	Louisa	47.3	47.6	45.9
Bremer	49.3	53.7	36.7	Lucas	53.0	46.3	53.5
Buchanan	51.3	51.7	38.6	Lyon	52.4	52.0	41.3
Buena Vista	45.1	46.8	30.6	Madison	52.4	47.7	47.9
Butler	51.5	49.4	46.8	Mahaska	49.2	51.0	51.0
Calhoun	54.6	53.5	45.6	Marion	45.2	43.0	41.3
Carroll	50.8	53.9	49.4	Marshall	50.9	57.7	54.9
Cass	53.2	53.0	49.9	Mills	33.8	50.1	45.9
Cedar	49.7	32.0	42.3	Mitchell	55.7	53.0	47.1
Cerro Gordo	52.0	52.9	50.8	Monona	47.7	46.3	41.4
Cherokee	53.7	53.2	45.8	Monroe	52.3	50.6	55.6
Chickasaw	30.9	46.5	33.8	Montgomery	52.0	50.9	49.6
Clarke	48.2	48.2	49.5	Muscatine	54.4	48.5	44.8
Clay	50.6	44.2	45.7	O'Brien	55.5	51.9	46.4
Clayton	51.4	46.7	47.4	Osceola	53.8	44.1	28.2
Clinton	51.6	55.9	54.9	Page	53.6	47.6	54.0
Crawford	41.3	43.5	40.3	Palo Alto	49.4	45.6	41.1
Dallas	56.0	53.2	56.1	Plymouth	51.3	51.5	46.7
Davis	50.3	47.3	49.4	Pocahontas	52.1	48.8	40.8
Decatur	44.6	38.1	40.8	Polk	22.6	25.5	31.6
Delaware	50.8	47.6	12.4	Pottawattamie	24.7	39.0	44.3
Des Moines	40.6	46.0	38.3	Poweshiek	52.5	46.3	47.4
Dickinson	60.8	54.4	54.6	Ringgold	45.7	41.1	45.1
Dubuque	54.2	45.4	49.2	Sac	55.3	53.8	46.4
Emmet	46.7	44.9	41.4	Scott	50.6	54.7	47.3
Fayette	50.9	48.4	36.7	Shelby	49.2	46.3	40.7
Floyd	52.4	53.7	50.2	Sioux	48.6	45.8	43.2
Franklin	50.2	46.2	36.5	Story	32.1	28.3	29.5
Fremont	50.1	48.3	41.1	Tama	51.2	49.5	39.5
Greene	56.1	51.0	43.2	Taylor	43.6	43.1	45.0
Grundy	58.2	54.5	43.7	Union	49.1	42.8	50.4
Guthrie	51.8	50.7	49.6	Van Buren	50.3	48.2	48.6
Hamilton	52.5	45.3	43.7	Wapello	54.0	53.3	57.5
Hancock	53.4	50.9	40.7	Warren	55.3	54.8	52.6
Hardin	52.4	53.3	47.3	Washington	48.9	55.8	50.4
Harrison	48.4	45.6	45.4	Wayne	47.3	42.3	44.2
Henry	54.2	54.2	52.4	Webster	51.0	51.4	47.8
Howard	49.4	40.9	40.4	Winnebago	52.0	48.7	43.5
Humboldt	53.3	52.5	43.0	Winneshiek	47.2	44.6	43.4
Ida	53.9	50.9	45.9	Woodbury	48.2	47.2	48.0
Iowa	52.9	52.5	42.7	Worth	50.6	49.4	41.6
Jackson	52.2	49.3	44.4	Wright	54.6	53.9	47.3
Jasper	56.5	55.2	54.4	Undistributed	0.2	0.3	0.0
				State of Iowa	39.2	40.8	39.0

Nearly two-fifths (39.2%) of the total direct federal expenditures or obligations went for retirement and disability payments; \$5.3 billion was received by individuals in Iowa in 1996. This includes federal employee retirement and disability benefits, Social Security payments of all types, selected Veterans Administration programs, and selected other federal programs. The increase in the amount in this subcategory was \$2 billion from 1986 to 1996; it has increased each year. Retirement or disability payments constituted the largest part of direct federal expenditures and obligations in all but six Iowa counties. Chickasaw, Johnson, Linn, Mills, Polk, and Pottawattamie, which were the exceptions, received more federal funds in grant or procurement contract awards or in the "other" category than in any others listed. Twenty-two counties received at least \$50 million in the retirement/ disability category in 1996, with nine (Black Hawk, Clinton, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Woodbury) above \$100 million. Adams (\$9.6 million) was the only county with less than \$10 million in this subcategory of payments to individuals.

Another 19.0 percent (\$2.6 billion) of the total direct federal expenditures or obligations were in the form of other payments to individuals. Included here would be federal payments for Medicare, unemployment compensation, some types of veterans compensation, supplemental security income payments, and food stamps, for example. These payments increased from 1986 to 1994, although 1995's figure was \$56 million lower than that for 1994 and another decline of \$181 million occurred from 1995 to 1996. In 1996, other payments received by individuals ranged from \$4.1 million in Adams to \$249 million in Polk. Black Hawk, Linn, and Scott also had more than \$100 million in other payments to individuals from federal sources.

Procurement contract awards totaled \$778 million in 1996. These are contracts with the Department of Defense, Postal Service, and other federal agencies. These numbers changed rather radically from one year to the next, with both increases and decreases greater than \$90 million between selected years. In addition, this subcategory was the most unevenly distributed across counties among the data reported in Tables 1 through 7. In 1996, three counties (Johnson, Linn, Polk) received more than half (60.1%) of all dollars for procurement contract awards in the state, with Linn alone (\$305 million) accounting for 39.2 percent of the total.

The "other" subcategory among direct federal expenditures or obligations amounted to nearly \$1.8 billion in 1996. Expenditures in this area also changed greatly between years, although the amount in 1996 was substantially higher than other years. This subcategory included a variety of federal programs (National Science Foundation, National Aeronautics and Space Administration, National Endowments for the Arts and for the Humanities, additional Department of Agriculture programs, and National Flood Insurance Claim Payments, among others). Most of these funds in Iowa were related to agriculture (feed grain production stabilization payments, conservation reserve program, crop insurance claims and payments), although none of these were direct payments to individuals. In 1996, Polk (\$794 million) and Pottawattamie (\$369 million) exceeded \$100 million in this subcategory; Kossuth (\$10.1 million) was the only other county receiving at least \$10 million. Forty-two counties received less than \$5 million each in 1996.

### **Other Federal Assistance**

Data for two other kinds of federal assistance were available. Direct loans from federal sources (commodity loans-price supports, farmers home administration-rural housing loans, water and waste disposal system loans, housing for the elderly or handicapped) accounted for \$874 million of the \$5.7 billion total for other federal assistance. These figures varied by huge amounts in the years examined, primarily because direct loans related to agriculture were much greater some years than others. In Iowa, \$467 million of the \$874 million in this subcategory was related to commodity loans in 1996. Direct loans were at least \$10 million in 11 counties in 1996; in 1995, 78 counties exceeded that level. Forty-seven counties received less than \$5 million in direct loans in 1996.

Guaranteed loans and insurance totaled \$4.8 billion in 1996. This subcategory included several loan programs (mortgage insurance for homes, higher education act insured loans, veterans housing loans, small-business loans, for example) and two types of insurance (flood, crop). Figures for these expenditures also varied substantially from one year to the next; the lowest total was \$1.5 billion in 1986

while 1996 was the highest at \$4.8 billion. About \$3.5 billion of the \$4.8 billion for guaranteed loans and insurance was related to crop insurance in 1996. Totals from all the guaranteed loan and insurance programs exceeded \$50 million in 33 counties, led by Polk with \$315 million. Four others (Appanoose, Clarke, Lucas, Monroe) received less than \$10 million in guaranteed loans and insurance from federal sources.

### **Percentage of Total Direct Funds Received as Retirement and Disability Payments**

In 1996, retirement and disability payments accounted for nearly \$2 of every \$5 of federal funds sent to Iowa (Table 8). The 1996 figure (39.2%) was slightly lower than 1991 and less than half of a percentage point higher than 1986 (39.0%). In 1996, retirement or disability payments accounted for at least 50 percent of all the funds from direct federal expenditures or obligations in 62 counties. In 1986, 19 counties had percentages of at least 50 when retirement or disability payments were compared with total federal funds disbursed.

The percentage that retirement and disability payments constituted of all federal funds increased in 80 counties when 1986 and 1996 were compared; Delaware and Osceola increased by at least 25 percentage points. Decreases ranged from less than 10 points in 17 counties to at least 10 points in Mills and Pottawattamie.

**Notes:** The source of this information is an annual CONSOLIDATED FEDERAL FUNDS REPORT: FISCAL YEAR, Volume 1: County Areas (Washington, DC: U.S. Department of Commerce, Bureau of the Census). See also a companion report on subcounty areas (Volume II) and a state report (FEDERAL EXPENDITURES BY STATE FOR FISCAL YEAR). Information by county for the years 1983 through 1985 and 1987 through 1990 was published in the 1991 edition of our county data book.

As an example of the type of programs included, expenditures on grants were accumulated from the following federal sources: Department of Agriculture, Department of Commerce, Department of Defense, Department of Education, Department of Energy, Environmental Protection Agency; Equal Employment Opportunity Commission, Federal Emergency Management Agency, Department of Health and Human Services, Department of Housing and Urban Development, Department of Interior, Department of Justice, Department of Labor, National Foundation on the Arts and the Humanities, Department of Transportation, Department of Treasury, and Department of Veterans Affairs. Each of these has many subdivisions, of course; in agriculture, for example, 22 areas are noted, including the Agricultural Marketing Service, Extension Service, Farmers Home Administration, Food and Nutrition Service, Food Safety and Inspection Service, Forest Service, and Soil Conservation Service. Although these subdivisions contribute to the total figures, information by county is not included on each one of them.

Some negative signs may be included in the tables. That's because initial amounts obligated may be adjusted at a later date, either through enhancements or deobligations. These deobligations appear as negative amounts.

## Vehicles Registered in Iowa's Counties: 1986-1996

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The Iowa Department of Transportation is charged with keeping records of vehicles registered in the State of Iowa. The two categories with the greatest numbers of vehicles are those for autos (Table 1) (60.4% of all registered) and trucks (Table 2) (23.1% of all registered) in 1996. The total number of vehicles listed for the state was 3,321,140 in 1996, an increase of 202,376 from the 3,118,764 reported in 1986 (Table 3). The total includes buses, motor homes, motorcycles, mopeds, semi-trailers, regular trailers, travel trailers, truck tractors, and miscellaneous vehicles in addition to autos and trucks.

The number of autos registered in 1996 was 113,200 higher than the number reported in 1986. In 1996, an all-time high was reached when 2,007,000 autos were registered (Figure 1). The number of truck registrations also reached a new high in 1996 (768,000). When 1986 and 1996 were compared, trucks increased by nearly 100,900 (Figure 2).

Fewer than 10,000 automobiles were registered in 42 counties in 1996; more than 50,000 were recorded in eight others. Linn, Polk, and Scott were the only counties with more than 100,000; five (Adams, Audubon, Ringgold, Taylor, Wayne) were under 5,000. Twenty-three counties had fewer automobile registrations in 1996 than in 1986. Gains of 1,000 or more occurred in 23 counties; three of these increased by at least 10,000 (Johnson, Linn, Polk).

Truck registrations also varied by county in 1996, with 45 reporting fewer than 5,000 and 19 with more than 10,000. Increases between 1986 and 1996 ranged from less than 500 in 38 counties to more than 1,000 in 25 others. Gains of at least 3,000 occurred in Johnson, Linn, Polk, Scott, Woodbury, and the category of trucks used for official purposes. No county had fewer trucks in 1996 than in 1986.

Total vehicle registrations in 1996 ranged widely across the state. Polk's 365,218 was more than twice the number in every county except Linn (195,148). Black Hawk, Pottawattamie, Scott, and Woodbury also had at least 100,000 registered vehicles. Six counties reported fewer than 10,000 vehicles, although only two (Adams, Ringgold) were under 9,000. Between 1986 and 1996, 12 counties had declines in the total number of vehicles registered. Gains exceeded 10,000 in five counties (Johnson, Linn, Polk, Story, Woodbury).

**Note:** See an annual publication called VEHICLE FLEET SUMMARY for more detailed information on vehicles (Iowa Department of Transportation, Office of Vehicle Registration, Park Fair Mall, 100 Euclid Ave., Des Moines, IA 50306-9204).

Table 1. Automobile Registrations in Iowa Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	5617	5566	5509	5480	5503	5504	5451	5382	5309	5540	5490
Adams	3146	3163	3221	3285	3250	3271	3293	3308	3338	3601	3496
Allamakee	9574	9263	9154	9210	9192	9049	8963	8796	8598	9274	9060
Appanoose	9701	9659	9629	9534	9394	9229	9085	8867	8732	9425	9129
Audubon	4707	4640	4568	4591	4638	4670	4694	4695	4637	4984	4964
Benton	16583	16285	15992	15792	15494	15326	15087	14782	14359	14853	14407
Black Hawk	86694	86744	86043	85562	84951	84421	82961	81398	79951	84389	83443
Boone	18117	17896	17683	17686	17571	17393	17081	16938	16661	17293	16836
Bremer	15889	15816	15676	15581	15477	15436	15269	15025	14625	15240	15094
Buchanan	13417	13365	13293	13144	13095	12995	12872	12646	12402	13204	12901
Buena Vista	13682	13607	13434	13397	13388	13249	13059	12812	12570	13263	13289
Butler	11283	11291	11101	11126	11112	11051	10983	10812	10648	10910	10719
Calhoun	7994	7929	7906	7901	7825	7802	7851	7808	7763	8027	7873
Carroll	14789	14637	14369	14364	14245	13950	13871	13686	13560	14212	14041
Cass	10411	10450	10350	10455	10440	10440	10502	10434	10389	11269	11319
Cedar	12617	12505	12354	12278	12259	12070	11901	11699	11401	11605	11229
Cerro Gordo	33875	33797	33365	32870	32717	32675	32535	32338	31705	33118	32648
Cherokee	9967	10026	10046	10072	9906	9887	9726	9594	9476	10159	9975
Chickasaw	9573	9527	9498	9491	9530	9504	9345	9225	9089	9611	9469
Clarke	5770	5775	5694	5532	5494	5425	5363	5317	5292	5567	5383
Clay	12900	12783	12660	12502	12531	12406	12314	12086	11901	12391	12235
Clayton	12698	12636	12363	12209	12235	12049	11876	11590	11460	12300	12056
Clinton	35412	34862	34567	34321	34276	33943	33369	32714	32297	36608	36913
Crawford	11248	11224	11093	11171	11101	11040	10940	10881	10879	11990	11775
Dallas	23831	23088	22770	22048	21603	21032	20756	20272	19907	20412	19450
Davis	5350	5302	5358	5285	5227	5295	5266	5248	5141	6211	5876
Decatur	5093	5084	5022	4992	4993	5033	5060	4947	4832	5016	4945
Delaware	12184	12112	11958	11793	11671	11644	11554	11473	11279	11533	11192
Des Moines	29629	29875	29713	29514	29760	29594	29344	28853	28472	31200	30894
Dickinson	12041	11772	11568	11475	11311	11062	10512	10310	10161	10468	10093
Dubuque	58959	59313	58651	57570	57192	56199	54753	53979	53065	59065	58656
Emmet	7978	8006	7993	7981	7997	7911	7799	7646	7530	8126	7991
Fayette	15185	15218	15062	14890	14846	14776	14701	14463	14106	14820	14560
Floyd	12216	12177	12119	12115	11984	11928	11869	11824	11630	12487	12305
Franklin	8229	8203	8086	7996	8001	7916	7952	7845	7767	8038	7936
Fremont	5724	5847	5819	5870	5870	5775	5686	5541	5472	5849	5663
Greene	7369	7253	7117	7141	7130	7111	7065	7072	7017	7409	7294
Grundy	8921	8837	8718	8640	8642	8565	8507	8398	8327	8577	8479
Guthrie	8127	8071	7887	7839	7747	7554	7474	7363	7262	7336	7070
Hamilton	11804	11781	11747	11636	11531	11485	11433	11340	11245	11649	11324
Hancock	8653	8546	8409	8417	8465	8477	8560	8526	8398	8564	8396
Hardin	13510	13511	13427	13161	13116	13110	13075	12890	12789	13787	13652
Harrison	10863	10896	10668	10715	10543	10414	10261	9911	9881	11400	10829
Henry	12554	12583	12363	12287	12083	12081	11806	11479	11265	12122	11830
Howard	7181	7106	7026	6926	6871	6898	6710	6539	6452	6897	6624
Humboldt	7823	7781	7676	7736	7664	7660	7673	7601	7478	7820	7776
Ida	5815	5847	5803	5760	5783	5691	5755	5628	5557	5749	5559
Iowa	10777	10793	10575	10440	10392	10160	9977	9878	9651	9975	9849
Jackson	13883	13729	13725	13443	13401	13335	13195	12807	12667	13935	13453
Jasper	24963	24846	24523	24673	24568	24348	24278	23919	23521	24134	23421

Table 1. Automobile Registrations in Iowa Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	11590	11657	11623	11565	11511	11462	11380	10957	10796	11989	11703
Johnson	61711	61177	59697	58305	57125	55877	54317	52539	50609	51472	49942
Jones	13011	13101	12901	12766	12632	12494	12340	12151	11815	12269	11970
Keokuk	7826	7843	7789	7733	7711	7778	7732	7704	7606	7920	7821
Kossuth	12919	13017	12915	12930	12965	13042	13205	13137	13050	13571	13437
Lee	26076	26498	26424	26316	26282	26158	25860	25439	25100	27928	26883
Linn	132164	129855	127723	125930	123789	122551	119665	117698	115005	119389	116859
Louisa	8153	8161	8030	7993	7940	7834	7612	7504	7301	7418	7162
Lucas	6128	6001	6049	6004	5950	5967	5943	5847	5781	6081	6036
Lyon	8651	8385	8358	8279	8205	8050	7850	7696	7590	8355	8118
Madison	9028	8753	8551	8450	8344	8286	8163	7999	7859	7863	7589
Mahaska	14719	14556	14428	14361	14169	14102	13905	13672	13442	14192	13829
Marion	20720	20512	20272	19823	19465	19065	18872	18495	18077	18722	18198
Marshall	27518	27738	27533	27176	27112	27095	26867	26584	26154	26982	26723
Mills	10132	9754	9403	9407	9269	8916	8728	8513	8343	8826	8538
Mitchell	7828	7720	7715	7685	7668	7624	7569	7435	7215	7866	7690
Monona	7115	7130	7038	7108	7039	6857	6796	6681	6561	6837	6669
Monroe	5735	5721	5549	5569	5457	5336	5359	5318	5339	5556	5378
Montgomery	8243	8339	8384	8370	8234	8188	8244	8169	7996	8476	8220
Muscatine	28494	28471	28357	28049	27874	27414	26746	26135	25507	27298	26899
O'Brien	11016	10870	10755	10636	10558	10463	10376	10146	10056	10876	10677
Osceola	5139	5118	5054	5058	5098	5007	4859	4823	4800	5015	4921
Page	11226	11357	11228	11169	11136	11000	11098	11013	10694	11452	11284
Palo Alto	7012	6933	6908	6911	6936	6914	6904	6848	6851	7203	7082
Plymouth	16826	16504	16247	16189	15937	15547	15117	14777	14491	16698	16578
Pocahontas	6477	6486	6424	6580	6535	6593	6702	6705	6717	6963	6915
Polk	260254	255650	252631	248409	243786	239108	234947	228496	222361	240456	235431
Pottawattamie	64488	63214	62540	62575	62209	61339	60328	59648	59082	72252	69462
Poweshiek	12283	12266	12090	12027	12056	12045	12017	11867	11626	12287	12091
Ringgold	3519	3534	3478	3546	3557	3551	3562	3450	3367	3576	3563
Sac	8252	8245	8172	8199	8190	8166	8237	8180	8040	8379	8361
Scott	113825	114810	113090	109503	110807	107668	106397	103022	107838	114677	111386
Shelby	9193	9115	9133	9018	9048	8999	9027	9008	8976	9323	9085
Sioux	19458	19207	18904	18606	18191	17700	17346	16916	16675	18075	17586
Story	46045	45331	44396	43977	43414	42777	41938	41213	40186	41202	39264
Tama	12521	12618	12364	12161	11917	11837	11808	11717	11385	11830	11726
Taylor	4712	4753	4716	4684	4690	4710	4697	4723	4651	4856	4788
Union	8666	8705	8609	8631	8636	8622	8658	8498	8309	8667	8536
Van Buren	5171	5193	5148	5067	5019	5006	5000	4930	4811	5224	5134
Wapello	24859	24949	24992	25023	24656	24247	23878	23674	23098	24198	24030
Warren	25814	25373	25198	25053	24568	24309	23992	23474	23011	23398	22468
Washington	13631	13486	13286	13183	13130	12949	12871	12562	12301	12748	12479
Wayne	4766	4796	4755	4717	4651	4703	4658	4594	4574	4844	4820
Webster	27594	27681	27687	27613	27454	27295	27252	27019	26499	27790	27637
Winnebago	8737	8706	8739	8684	8630	8620	8658	8579	8757	8942	8640
Winneshiek	13297	13138	13010	12958	12851	12814	12583	12414	12148	12938	12657
Woodbury	73359	72437	70188	69254	67924	66535	64862	63111	61681	66746	64640
Worth	5929	5862	5817	5683	5750	5705	5696	5694	5631	5843	5751
Wright	10210	10215	10139	9834	9756	9758	9780	9730	9657	9910	9564
Official	10665	10980	10548	10172	9925	9698	9516	9189	9112	9115	8579
Unknown	334	343	327	323	353	356	386	412	349	451	507
State of Iowa	2007365	1993287	1968663	1947159	1930124	1905976	1879715	1844690	1816794	1936356	1894167

Table 2. Truck Registrations in Iowa Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	3525	3484	3417	3411	3407	3335	3314	3280	3261	3315	3168
Adams	2042	2047	2043	2032	2003	1988	2032	2038	2023	2127	1994
Allamakee	4671	4541	4548	4488	4439	4329	4296	4172	4094	4263	4094
Appanoose	4970	4931	4774	4700	4568	4508	4417	4329	4225	4425	4249
Audubon	2693	2658	2622	2598	2615	2625	2645	2596	2566	2654	2574
Benton	7979	7664	7469	7259	7089	6967	6784	6600	6494	6639	6384
Black Hawk	24648	24120	23704	23117	22705	22288	21816	21233	20823	21862	21965
Boone	7745	7468	7326	7148	6982	6815	6624	6523	6375	6391	6201
Bremer	6518	6377	6182	6023	5947	5855	5767	5649	5554	5655	5478
Buchanan	6293	6196	6007	5887	5824	5747	5622	5515	5402	5596	5392
Buena Vista	5637	5460	5377	5283	5212	5158	5049	4980	4938	5135	4965
Butler	5433	5265	5070	5016	4965	4908	4805	4745	4736	4845	4722
Calhoun	3764	3708	3573	3530	3519	3553	3553	3509	3459	3518	3482
Carroll	6608	6377	6257	6173	6028	5927	5862	5773	5666	5935	5774
Cass	5398	5267	5172	5135	5091	5034	5022	4929	4786	5208	5167
Cedar	6033	5887	5804	5672	5534	5478	5328	5274	5210	5276	5141
Cerro Gordo	10565	10298	10073	9807	9700	9638	9542	9383	9157	9676	9590
Cherokee	4630	4554	4497	4380	4312	4300	4226	4161	4117	4218	4206
Chickasaw	4321	4085	3990	3902	3852	3827	3816	3732	3636	3942	3835
Clarke	3077	3014	2949	2902	2864	2837	2812	2772	2743	2818	2730
Clay	5167	4960	4815	4698	4677	4595	4606	4486	4357	4504	4391
Clayton	6556	6434	6378	6293	6201	6126	5987	5950	5820	6105	5962
Clinton	12904	12444	12100	11748	11643	11496	11225	10899	10694	11643	11405
Crawford	5753	5785	5661	5638	5559	5510	5441	5398	5306	5540	5413
Dallas	9367	9123	8895	8725	8501	8397	8271	8074	7878	7919	7634
Davis	3196	3139	3074	3000	2911	2868	2833	2783	2699	2861	2781
Decatur	3018	2962	2929	2918	2873	2868	2896	2830	2702	2795	2728
Delaware	5678	5541	5354	5269	5127	5092	4952	4866	4777	4821	4697
Des Moines	11123	10941	10662	10344	10197	10106	9855	9595	9402	10032	9712
Dickinson	4715	4595	4453	4357	4185	4070	3969	3830	3764	3851	3822
Dubuque	16587	16376	15801	15143	14748	14418	14155	13810	13488	15001	14606
Emmet	3673	3569	3490	3433	3377	3314	3236	3201	3178	3335	3311
Fayette	6682	6463	6369	6197	6106	6039	5977	5850	5688	5911	5713
Floyd	5259	5134	5054	4921	4869	4794	4693	4607	4550	4861	4781
Franklin	3901	3796	3744	3676	3629	3579	3561	3564	3567	3573	3526
Fremont	3583	3585	3531	3536	3492	3433	3310	3286	3240	3345	3298
Greene	3938	3896	3885	3828	3707	3650	3550	3520	3479	3607	3594
Grundy	4101	4024	3861	3803	3742	3730	3613	3566	3532	3645	3596
Guthrie	4208	4069	3963	3921	3812	3788	3680	3624	3566	3625	3539
Hamilton	5205	5082	4938	4788	4693	4658	4667	4644	4592	4688	4595
Hancock	4036	3904	3802	3735	3674	3703	3696	3622	3593	3839	3773
Hardin	6091	5919	5769	5602	5504	5393	5353	5288	5225	5381	5357
Harrison	6093	5907	5761	5707	5584	5443	5328	5177	5148	5567	5343
Henry	6083	6072	6007	5833	5709	5638	5532	5384	5297	5527	5277
Howard	3409	3336	3256	3185	3086	3081	3029	3004	2972	3163	3055
Humboldt	3454	3384	3346	3283	3273	3307	3351	3308	3234	3277	3286
Ida	3078	2998	2959	2969	2939	2919	2934	2843	2804	2846	2829
Iowa	5583	5406	5273	5150	5046	5006	4909	4813	4690	4761	4655
Jackson	6470	6329	6102	5925	5849	5780	5671	5480	5411	5826	5625
Jasper	10449	10214	10002	9744	9643	9540	9512	9344	9156	9317	8986



Table 2. Truck Registrations in Iowa Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	4609	4554	4493	4406	4330	4232	4152	4080	4023	4389	4332
Johnson	15801	15530	14871	14364	13879	13494	13223	12913	12522	12741	12388
Jones	6093	5925	5890	5758	5607	5521	5439	5362	5270	5440	5323
Keokuk	4509	4395	4381	4277	4243	4181	4165	4146	4094	4296	4097
Kossuth	5944	5825	5771	5675	5628	5616	5684	5573	5464	5652	5580
Lee	11373	11300	10924	10564	10399	10155	9962	9736	9659	10366	10039
Linn	37085	35999	34939	33564	32610	31757	31069	30316	29545	29985	29148
Louisa	4435	4391	4225	4152	4109	4013	3945	3865	3862	3925	3842
Lucas	3327	3266	3225	3223	3197	3140	3076	3011	2890	3038	2966
Lyon	3967	3804	3786	3780	3713	3700	3634	3507	3409	3710	3590
Madison	5001	4851	4772	4650	4563	4549	4480	4371	4244	4281	4080
Mahaska	7110	6854	6718	6522	6396	6309	6224	6042	5908	6157	6020
Marion	9115	8870	8738	8515	8376	8157	7933	7775	7584	7779	7520
Marshall	10296	10090	10019	9616	9485	9388	9243	8988	8855	9140	9020
Mills	5124	4873	4684	4531	4433	4314	4188	4127	4052	4192	4060
Mitchell	3789	3648	3572	3509	3420	3378	3338	3243	3185	3331	3245
Monona	4143	4097	4090	4128	4062	3993	4000	3921	3867	4000	3901
Monroe	2991	2909	2893	2787	2791	2731	2695	2617	2610	2720	2686
Montgomery	4217	4149	4135	4124	4087	3991	3955	3892	3788	3876	3707
Muscatine	11214	10957	10822	10547	10377	10077	9937	9627	9308	9697	9548
O'Brien	4647	4450	4314	4286	4240	4183	4179	4100	4083	4258	4123
Osceola	2673	2603	2586	2529	2575	2529	2469	2466	2403	2381	2295
Page	5460	5364	5274	5166	5025	4972	4885	4790	4754	4982	4818
Palo Alto	3384	3354	3281	3219	3186	3164	3117	3104	3117	3193	3098
Plymouth	7381	7230	7039	6800	6746	6588	6435	6207	6166	6788	6569
Pocahontas	3151	3025	2984	2987	2992	3010	3023	3012	2944	2981	2935
Polk	64241	61942	60410	58475	56562	55441	54131	52148	50747	54567	53145
Pottawattamie	23613	22946	22455	22075	21848	21615	21515	21345	21104	23316	22378
Poweshiek	6363	6179	6036	5962	5893	5778	5708	5655	5594	5910	5674
Ringgold	2374	2344	2272	2244	2234	2237	2221	2199	2163	2236	2166
Sac	4387	4261	4157	4120	4098	4055	4015	3915	3843	3927	3868
Scott	29387	28875	28197	27325	27429	26601	25978	24869	25615	26778	26050
Shelby	4767	4714	4615	4574	4543	4478	4426	4324	4278	4383	4227
Sioux	8281	8033	7892	7752	7625	7431	7242	6993	6866	7259	6971
Story	12888	12483	12079	11822	11510	11281	11072	10837	10558	10837	10425
Tama	6359	6352	6259	6090	5949	5847	5782	5673	5599	5741	5653
Taylor	2816	2745	2701	2620	2580	2556	2580	2579	2587	2657	2690
Union	4332	4262	4190	4142	4054	3990	3955	3806	3734	3808	3721
Van Buren	3164	3116	3065	3035	2966	2848	2806	2781	2734	2895	2814
Wapello	10013	9730	9629	9399	9190	9028	8717	8551	8413	8797	8752
Warren	10447	10206	9907	9547	9331	9170	8970	8795	8558	8719	8418
Washington	6414	6247	6101	5932	5789	5768	5647	5547	5494	5545	5469
Wayne	2899	2838	2789	2770	2728	2691	2665	2568	2540	2640	2595
Webster	10361	10060	9899	9697	9578	9421	9351	9216	9051	9608	9486
Winnebago	3802	3725	3785	3686	3639	3560	3589	3555	3560	3531	3426
Winneshiek	6123	6030	5977	5904	5838	5718	5710	5564	5574	5888	5684
Woodbury	22782	22138	21391	20916	20381	20063	19790	19577	18919	20184	19428
Worth	2951	2856	2798	2740	2724	2694	2676	2657	2606	2721	2621
Wright	4463	4311	4209	4085	4129	4120	4067	4043	3983	4179	3981
Official	21900	22779	22474	22278	22280	22077	21842	21439	21197	20358	18879
Unknown	295	392	455	502	534	529	541	617	672	175	1446
State of Iowa	768171	750665	734256	717203	704913	693597	682570	667883	656669	684621	667298

Table 3. Total Vehicle Registrations in Iowa Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	11253	11112	10922	10870	10851	10755	10680	10619	10562	10986	10781
Adams	6305	6258	6245	6270	6208	6265	6359	6355	6359	6788	6406
Allamakee	17863	17347	17129	17042	16940	16696	16529	16163	15825	16924	16515
Appanoose	17694	17600	17394	17168	16820	16528	16300	15972	15762	16907	16501
Audubon	9084	8936	8791	8792	8798	8850	8868	8773	8684	9260	9201
Benton	30072	29431	28238	27561	27130	26652	26174	25611	25260	26004	24152
Black Hawk	131446	130666	129355	128149	127164	126134	124398	122376	120719	128643	128263
Boone	31690	30981	29844	29536	29219	28816	28337	28225	27813	28668	27132
Bremer	27981	27622	27174	26873	26605	26426	26149	25735	25223	26178	25915
Buchanan	24644	24424	24053	23740	23706	23471	23147	22766	22338	23531	22948
Buena Vista	23881	23507	23218	23067	22979	22788	22511	22256	21951	23161	22966
Butler	21157	20888	20414	20294	20210	20059	19868	19604	19415	20156	19819
Calhoun	14781	14637	14426	14372	14265	14235	14278	14180	14089	14585	14434
Carroll	25686	25166	24651	24540	24231	23888	23642	23355	23134	25182	24780
Cass	19277	19138	18947	18971	18908	18840	18873	18709	18538	20177	20114
Cedar	23090	22601	21803	21565	21310	21042	20746	20506	20136	20494	19321
Cerro Gordo	53287	52606	51783	50865	50595	50479	50205	49918	49090	51520	51115
Cherokee	18247	18246	18204	18064	17764	17735	17456	17220	17035	18105	17907
Chickasaw	17829	17393	17129	16971	16962	16837	16616	16350	16035	17068	16834
Clarke	10628	10531	10368	10109	10004	9933	9845	9764	9632	10108	9889
Clay	22669	22156	21370	20974	20926	20653	20490	20071	19736	20533	19488
Clayton	24213	23961	23569	23218	23145	22872	22541	22152	21754	22980	22564
Clinton	57900	56758	55994	55399	55319	54829	54044	53050	52504	58395	58518
Crawford	20649	20602	20306	20305	20143	20039	19849	19819	19728	21505	21163
Dallas	39807	38592	37261	36296	35581	34872	34476	33796	33230	33898	31666
Davis	10318	10173	10137	9948	9754	9759	9696	9606	9380	10695	10341
Decatur	9951	9858	9712	9624	9572	9614	9632	9441	9211	9682	9567
Delaware	21848	21596	21132	20772	20405	20320	20032	19805	19445	19968	19389
Des Moines	49116	49081	48541	47978	48167	47924	47567	46907	46567	50853	50414
Dickinson	21838	21257	20692	20390	19963	19499	18732	18333	18011	18586	18170
Dubuque	87502	87520	86000	83988	83241	81919	80167	79147	77964	87274	86472
Emmet	14985	14867	14718	14612	14571	14380	14164	13944	13735	14810	14595
Fayette	27059	26790	26470	26074	25875	25734	25531	25146	24633	25818	25363
Floyd	21914	21636	21402	21220	20965	20741	20535	20369	20139	21568	21277
Franklin	15182	14919	14376	14161	14094	13980	14010	13938	13892	14307	13769
Fremont	11197	11272	11097	11077	10967	10752	10499	10313	10156	10816	10593
Greene	14158	13934	13738	13669	13517	13435	13280	13287	13219	13955	13870
Grundy	16436	16216	15872	15692	15594	15519	15319	15146	15084	15628	15481
Guthrie	15344	14967	14634	14468	14257	14001	13780	13591	13398	13677	13363
Hamilton	21513	21159	20821	20450	20248	20191	20075	19990	19866	20709	20321
Hancock	16334	15990	15619	15451	15417	15486	15528	15440	15230	15840	15565
Hardin	24422	24229	23967	23404	23226	23119	23099	22877	22901	24427	24292
Harrison	20311	19807	19076	18929	18602	18337	18064	17524	17476	19568	18387
Henry	22636	22625	22283	22007	21618	21508	21063	20556	20339	21898	21231
Howard	13287	13068	12849	12618	12384	12360	12082	11875	11722	12484	12051
Humboldt	14608	14450	14226	14199	14054	14070	14069	13860	13604	14272	14275
Ida	11195	11094	10952	10896	10867	10754	10813	10546	10367	10874	10591
Iowa	19891	19663	19140	18811	18546	18294	17996	17751	17377	17869	17612
Jackson	25104	24718	24328	23770	23585	23376	23123	22478	22235	24159	23391
Jasper	43309	42900	42133	41884	41605	41264	41205	40702	40160	41408	40413

Table 3. Total Vehicle Registrations in Iowa Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	19427	19419	19303	19061	18884	18748	18604	18046	17757	19683	19339
Johnson	89030	87988	85519	83470	81727	80092	78101	75896	73576	75562	73165
Jones	23322	23139	22823	22503	22168	21913	21621	21273	20780	21688	21208
Keokuk	15064	14906	14771	14541	14463	14450	14436	14422	14299	15039	14729
Kossuth	23591	23429	23194	23070	23039	23144	23337	23130	22931	24012	23807
Lee	44539	44281	43493	42978	42883	42420	41999	41420	41087	45114	42489
Linn	195148	191293	187753	184363	181401	179232	175588	173052	170348	176984	173262
Louisa	15609	15536	15170	15027	14920	14720	14426	14174	13970	14245	13824
Lucas	11676	11473	11454	11327	11236	11176	11103	10934	10749	11475	11428
Lyon	15860	15336	15244	15161	15032	14798	14457	14171	13891	15281	14807
Madison	17068	16592	16225	15852	15639	15562	15274	14960	14716	14870	14391
Mahaska	26935	26416	26104	25774	25416	25232	25015	24606	24278	25725	25250
Marion	36302	35668	35089	34292	33810	33092	32638	32035	31355	32594	31803
Marshall	45175	45054	44642	43792	43700	43686	43401	43012	42538	44225	44031
Mills	18014	17224	16613	16373	16122	15608	15279	14917	14645	15489	15035
Mitchell	14483	14149	13980	13819	13673	13569	13453	13199	12885	13847	13542
Monona	13728	13616	13477	13483	13336	13115	13080	12860	12629	13109	12804
Monroe	10709	10540	10286	10101	9969	9732	9696	9538	9563	10004	9821
Montgomery	14966	14843	14599	14569	14413	14210	14250	14089	13821	14440	13762
Muscatine	48182	47847	47521	46946	46730	45973	45198	44277	43346	45919	45444
O'Brien	20099	19657	19376	19161	19004	18833	18682	18321	18144	20082	19288
Osceola	10005	9884	9738	9639	9743	9540	9314	9234	9145	9454	9248
Page	19940	19978	19684	19390	19189	18970	18971	18825	18488	19767	19465
Palo Alto	12866	12733	12599	12509	12450	12391	12335	12286	12331	13002	12841
Plymouth	30139	29456	28764	28237	27778	27083	26395	25693	25320	28580	27994
Pocahontas	12300	12190	12028	12192	12130	12125	12282	12265	12191	12677	12629
Polk	365218	358001	352882	345987	339445	333645	328135	319830	312489	351074	341339
Pottawattamie	100498	98376	97080	96718	96388	95455	94355	93458	92728	110509	106659
Poweshiek	23210	22866	22453	22273	22220	22068	21976	21750	21492	22710	22254
Ringgold	7268	7233	7072	7105	7125	7117	7097	6930	6816	7146	7089
Sac	15793	15558	15319	15252	15186	15103	15126	14944	14710	15244	15127
Scott	162216	162538	159941	155230	156817	152714	150730	146623	152901	162968	158481
Shelby	16996	16772	16602	16464	16474	16299	16263	16083	16123	16779	16335
Sioux	35581	34843	34247	33675	33026	32119	31511	30674	30149	32484	31428
Story	68342	67106	65674	64996	64186	63297	62339	61417	60110	61273	57150
Tama	23044	23079	22696	22388	21987	21781	21660	21457	21007	21929	21753
Taylor	9130	9095	9013	8850	8791	8832	8827	8867	8853	9334	9347
Union	15854	15799	15607	15566	15524	15469	15456	15141	14878	15444	15290
Van Buren	10404	10324	10208	10037	9886	9679	9581	9440	9260	9932	9794
Wapello	41894	41578	41458	41205	40555	39963	39235	38979	38349	40229	40185
Warren	43477	42662	42095	41411	40644	40202	39740	39170	38500	39472	38328
Washington	24378	23981	23578	23157	22964	22757	22508	22170	21915	22679	22398
Wayne	9226	9169	9078	8985	8893	8877	8814	8628	8640	9259	9135
Webster	45467	45074	44715	44338	44024	43540	43377	43037	42383	45987	45630
Winnebago	15830	15631	15760	15489	15384	15270	15325	15193	15376	15672	15285
Winneshiek	23428	23133	22830	22655	22449	22248	21934	21578	21404	22856	22362
Woodbury	110784	108762	105318	103638	101624	100127	98031	96166	94182	103417	100028
Worth	11241	10954	10786	10544	10565	10458	10388	10366	10211	10643	10457
Wright	18506	18237	17667	17178	17084	17243	17099	17098	17055	17619	16595
Official	47888	50376	49144	48047	47680	46850	45861	44837	44081	42349	39772
Unknown	699	872	841	896	966	968	1092	1167	1396	1346	11952
State of Iowa	3321140	3279614	3224016	3176817	3145619	3107525	3067837	3017555	2980454	3184122	3118764

Figure 1. Automobile registrations in Iowa, 1986-1996.

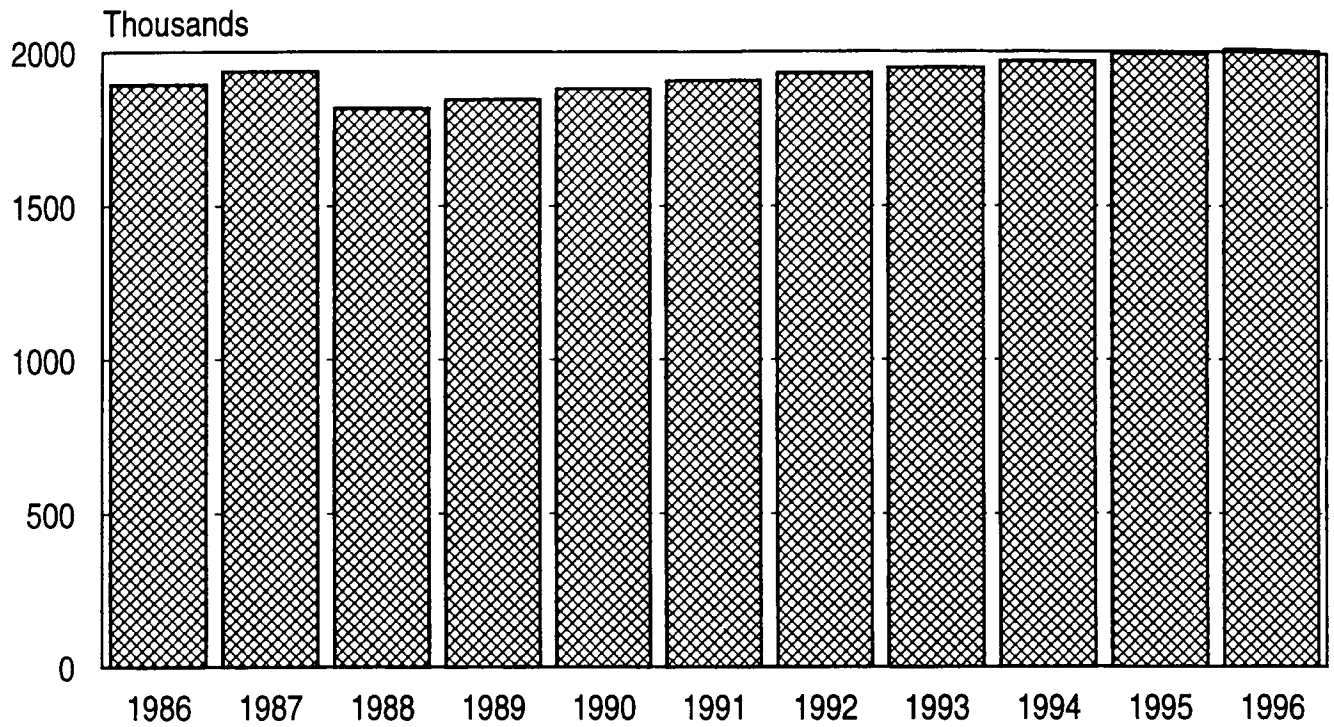
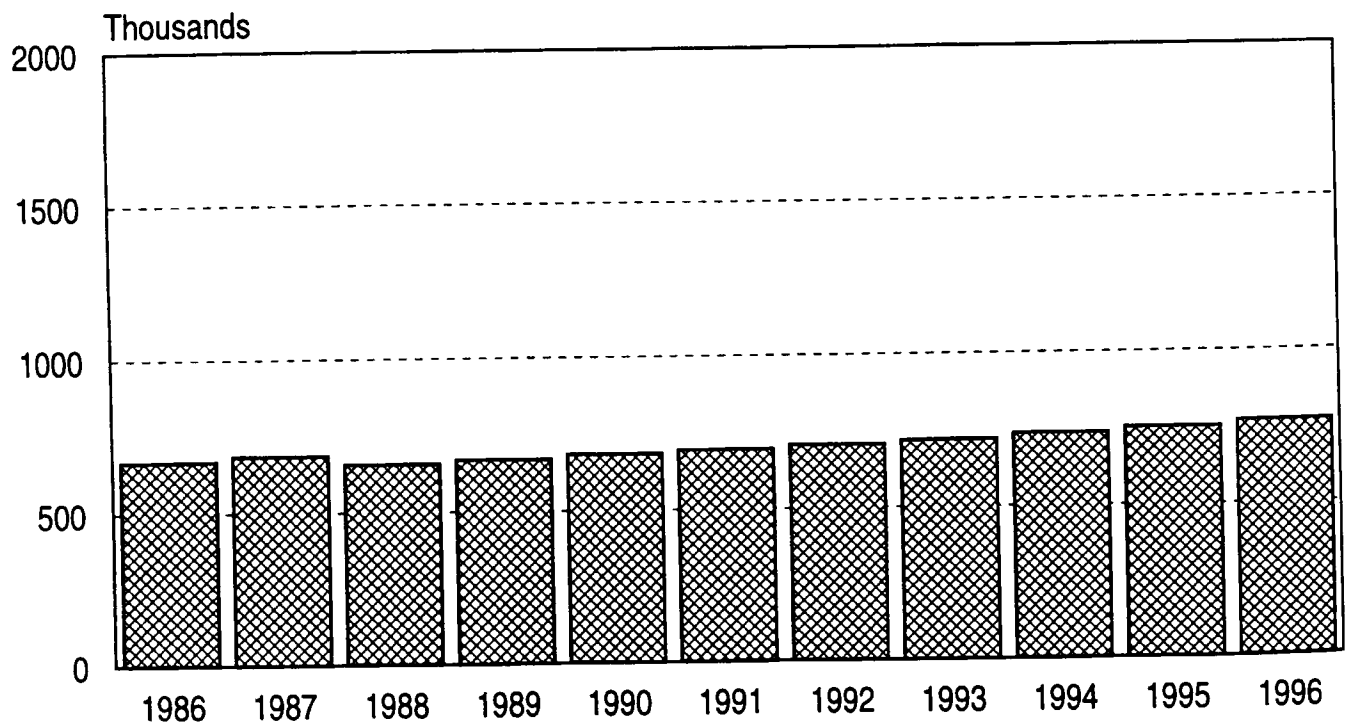


Figure 2. Truck registrations in Iowa, 1986-1996.



## Outstanding Obligations of Iowa's Counties:

### 1987-1996

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The office of the treasurer of the State of Iowa initiated a series of reports on outstanding obligations by governmental units in 1988. These reports list outstanding debt as of a selected date (30 September for 1988 and earlier; 30 June for 1990 and later) for the state, cities, counties, school districts, state agencies, and other units of government. Obligations for Iowa's 99 counties totaled \$174 million in 1996, an amount significantly higher than the \$115 million listed in 1987 (Table 1, Figure 1). The proportion of total state debt attributed solely to county government is relatively small; it amounted to 3.7% of the total in 1995. Far greater shares are held by cities (44.3%), schools (including area education agencies, community colleges, and the Board of Regents) (33.2%), state authorities (11.4%), and state agencies (6.8%).

The total obligations outstanding at a specified date are noted for counties in Table 1. In 1996, Polk's obligations of \$56,300,000 alone accounted for 32.4 percent of the total county obligations in the state; the addition of \$22.7 million in Black Hawk, \$19.2 million in Lee, and \$11.9 million in Scott raised this to 63.4%. These were the only counties with debts greater than \$10 million. The number of counties with no reported outstanding debt has been decreasing; from 1987 through 1991, the number without debt ranged from 56 to 58. In 1992, it dropped to 33. Most recently, 27 counties had no outstanding obligations of the types reported by the state treasurer as of 30 June 1996, a total about the same as the 26 noted both in 1994 and in 1995.

When the number of counties reporting debt increased between 1991 and 1992, so did the total value of those obligations (Figure 1). They ranged from \$107 million to \$126 million in 1991 and earlier. In 1992, however, the total was nearly \$153 million, while it was \$164 million in 1993. The total declined slightly to \$156 million in 1994 but increased again to \$174 million in 1995 and 1996. Among the 93 counties reporting information in both 1990 and 1996, 50 had greater outstanding obligations at the end of the period than at the beginning. Another 23 reported lower obligations in 1996 than in 1990, while 20 had no outstanding debts of this type either year.

The total county obligations reported in Table 1 include several subtypes. General obligations, which are backed by the "full faith and credit" of the county and are paid from property tax levies, general revenues, and borrowings, accounted for 74.0 percent of the total county obligations outstanding as of 1996. The only other classification that accounted for at least 5 percent of the total included those called revenue obligations (17.3% of the total); other classes of obligations were leases, general fund obligations, special assessments, tax allocations, and those not listed elsewhere.

Caution is urged in examining these figures. They vary dramatically across counties from year to year. Changes in state laws and in financing strategies determined within counties contribute to the volatility of these numbers.

**Note:** More detailed data from 1987 through 1996 are available in publications entitled "Outstanding Obligations Report;" they can be obtained from the office of the Treasurer of the State of Iowa, State Capitol Building, Des Moines, IA 50319, or from the State Library of Iowa, Old Historical Building, East 12th and Grand, Des Moines, IA 50319.

Table 1. Outstanding obligations (\$) of Iowa Counties, 1987-1996.

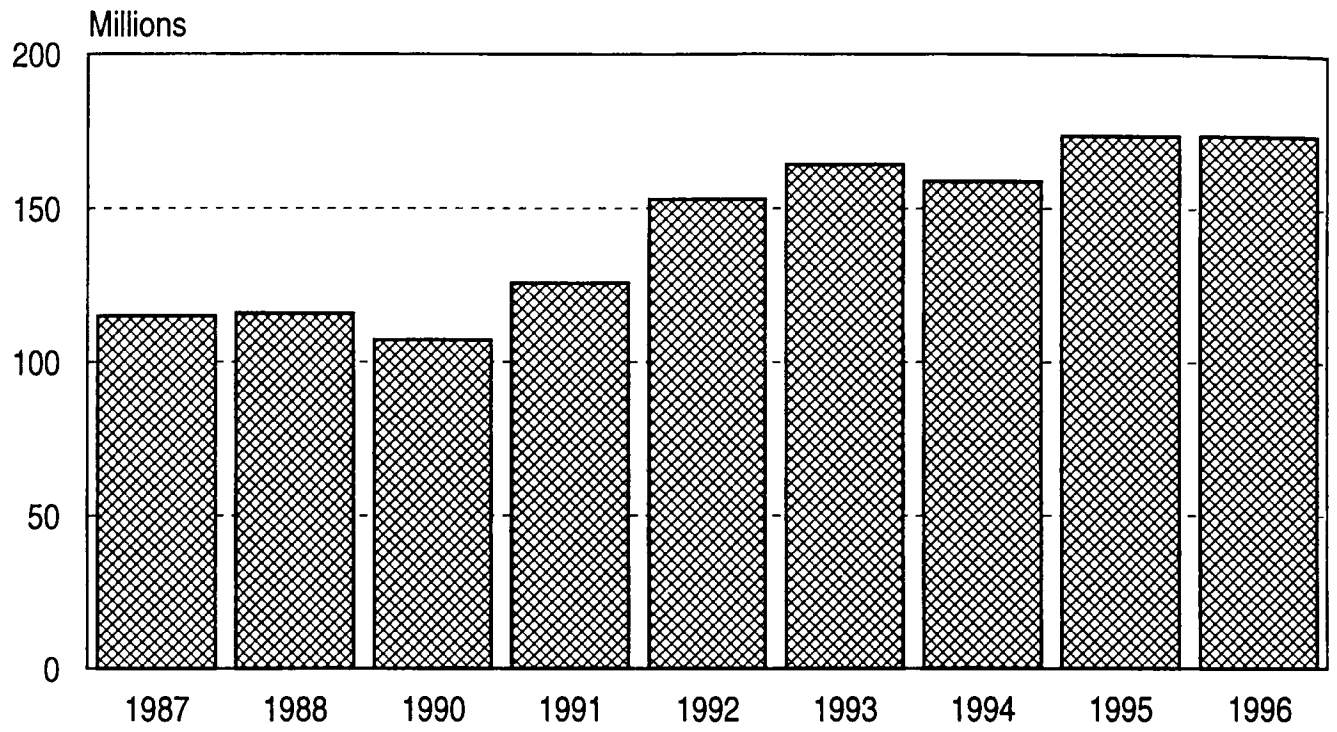
County	30 June 1996	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990	30 Sept 1988	30 Sept 1987
Adair	124100	186348	251270	303776	402144	0	0	0	0
Adams	64125	95071	*	139965	169893	0	0	281496	0
Allamakee	147269	168438	193290	212619	231028	0	0	0	0
Appanoose	0	0	0	0	0	0	0	0	0
Audubon	2750000	300000	0	0	0	0	0	0	0
Benton	130000	0	190000	190000	380000	700000	675000	945000	1065000
Black Hawk	22737383	16775000	19925000	24220000	24500000	25215000	11395000	8185000	4500000
Boone	0	0	0	0	0	0	0	9031	0
Bremer	0	0	0	83919	123599	0	0	0	0
Buchanan	0	0	0	1373	1373	112373	3235	5000	5000
Buena Vista	1360143	1620000	1880669	2135120	2375732	2611465	2828416	1200961	378315
Butler	683319	60000	0	0	0	0	0	0	0
Calhoun	333099	374610	255624	307128	365762	0	434683	0	0
Carroll	781849	983498	1095346	1259293	1370765	600000	0	4000	8000
Cass	111062	389923	223942	280959	348287	0	0	240000	380891
Cedar	1219027	1339061	1458649	1581932	1681932	0	0	0	0
Cerro Gordo	973744	1449458	1390016	3604275	930805	334343	0	0	0
Cherokee	0	*	*	0	0	0	0	0	0
Chickasaw	0	0	0	0	0	0	0	*	*
Clarke	2830060	2780492	2069321	2150596	278980	0	0	0	0
Clay	0	0	0	0	0	0	0	0	0
Clayton	280000	325000	370000	410000	450000	450000	0	0	0
Clinton	0	0	3100	2008100	12800	17200	21300	313700	452000
Crawford	104662	118848	139024	158254	158254	0	0	0	40000
Dallas	3535000	1995000	*	2010000	2109000	2190000	4725000	2905000	3150000
Davis	415015	470709	231288	318550	434305	170000	549270	335000	405000
Decatur	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	86955	177778
Des Moines	0	0	0	0	0	0	0	0	0
Dickinson	168415	250300	315459	389669	397068	0	0	0	0
Dubuque	0	0	0	0	0	0	0	0	250000
Emmet	0	0	0	0	0	0	0	0	0
Fayette	0	*	0	0	0	0	*	0	0
Floyd	1340000	0	0	0	0	0	0	0	0
Franklin	50000	75000	100000	120000	140000	0	0	0	97042
Fremont	0	41732	102132	128500	31521	159400	222137	29183	34000
Greene	2475000	2565000	2650000	2917964	2938617	0	110000	420000	420000
Grundy	716986	822806	844098	835725	251027	0	45000	0	0
Guthrie	220000	235000	240000	260000	270000	280000	290000	0	0
Hamilton	95000	115000	135000	155000	170000	185000	200000	0	0
Hancock	0	0	0	0	0	0	0	0	0
Hardin	0	0	*	0	0	0	0	0	0
Harrison	2200000	2000000	400000	0	0	0	0	0	0
Henry	310000	455000	590000	765000	865000	955000	1160000	2065000	2275000
Howard	89382	98537	113075	135151	135151	0	0	145000	210000
Humboldt	0	*	0	0	0	0	0	80000	80000
Ida	98248	147934	187157	228624	278048	0	0	15000	30000
Iowa	75000	258501	105000	306028	261028	50000	55000	0	0
Jackson	587859	863803	1125263	1368014	1606720	1415000	1575000	1875000	2005000
Jasper	445000	651383	181383	349098	504175	647566	0	0	0

\*No data listed in the annual reports or data not reported by the deadline.

Table 1. Outstanding obligations (\$) of Iowa Counties, 1987-1996 (continued).

County	30 June 1996	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990	30 Sept 1988	30 Sept 1987
Jefferson	329500	355500	367500	0	0	0	0	0	0
Johnson	145151	183625	183625	201988	219476	0	0	0	200000
Jones	363385	385131	*	242579	210000	0	0	0	0
Keokuk	985000	325000	115000	60000	60000	135000	150000	0	0
Kossuth	425000	525000	600000	675000	750000	800000	850000	0	0
Lee	19232500	18590000	8630000	1805000	7975000	2270000	2085000	655000	685000
Linn	6546765	6405421	4978951	4978951	5922442	5182112	5908338	13800000	14100000
Louisa	0	0	0	10260	12540	14820	17100	85520	147800
Lucas	*	0	*	0	0	0	0	1545000	1545000
Lyon	0	0	0	0	0	0	0	0	0
Madison	960000	1005000	745000	885000	1000000	315000	430000	630000	725000
Mahaska	714751	836281	956670	1067971	895000	975000	0	0	0
Marion	277572	420864	580171	722307	779429	0	0	0	0
Marshall	0	0	0	0	0	0	0	570000	860000
Mills	289117	431315	575710	809648	815904	0	0	0	0
Mitchell	145760	253857	361952	475855	532326	413606	673134	205000	265000
Monona	176968	267780	362809	442804	488802	519392	631915	581733	0
Monroe	820000	970000	1105000	1235000	1355000	1455000	515000	580000	610000
Montgomery	0	0	0	0	0	0	0	0	0
Muscatine	0	0	375000	750000	1050000	1645000	1649803	2177100	2410000
O'Brien	0	0	0	0	0	0	0	0	0
Osceola	327192	369575	410262	449254	0	0	0	0	0
Page	655000	730000	805000	875000	0	0	0	0	0
Palo Alto	0	0	0	0	0	0	0	0	0
Plymouth	183393	271345	360393	454307	492885	0	0	0	0
Pocahontas	154632	182176	202955	152237	242579	0	0	0	0
Polk	56270000	63280000	63895000	67350000	58135000	51470000	50525000	8570130	9900000
Pottawattamie	*	*	0	0	0	105900	*	825000	825000
Poweshiek	479249	378867	455455	265682	315682	95000	135000	205000	235000
Ringgold	124112	175976	227861	283425	332663	0	0	0	30000
Sac	342463	429804	554498	613316	358780	0	447014	0	0
Scott	11895000	12560000	5885000	6255000	2735000	3160000	*	3795000	3795000
Shelby	164687	186019	206499	235511	0	0	0	0	0
Sioux	0	0	0	0	0	0	0	0	0
Story	1260000	1470000	1670000	1930000	2183333	2213494	*	0	0
Tama	415000	500000	580000	650000	720000	785000	850000	370000	210000
Taylor	0	*	*	20000	40000	60000	80000	110000	125000
Union	315000	410000	515000	480000	555000	680000	680000	830000	0
Van Buren	2600000	0	0	0	0	0	*	0	0
Wapello	2048476	2116276	1864721	934899	1198532	456570	0	0	0
Warren	1055843	1492520	1695357	422992	488669	0	0	0	0
Washington	1138734	1388196	1265562	1429000	962510	1046936	614866	0	0
Wayne	175000	175000	254000	200000	225000	245000	0	0	0
Webster	460000	1525000	1765000	2315000	2315000	2740000	5472000	6525000	7020000
Winnebago	5471341	5946894	6424743	5481753	5189681	2162685	0	*	*
Winneshiek	141579	337444	177525	194720	0	0	0	0	0
Woodbury	8144000	9568000	9307965	9100000	9730000	10010000	10675000	53939300	54650000
Worth	81798	92394	102566	116976	0	0	0	0	0
Wright	875186	961202	1055471	250000	465000	475000	475000	600000	655000
State of Iowa	173639901	173512914	158754472	164156067	152924247	125522862	107153211	115739109	114955826

Figure 1. Outstanding obligations in Iowa's counties, 1987-1996.





## Lottery Sales in Iowa's Counties: 1993-1996

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When county figures were summed for fiscal year 1996 (July 1995 through June 1996), lottery sales totaled \$190 million (Table 1). Included in the total are instant ticket, in-state jackpot games, multistate, pull tab, and \$100,000 cash game sales. According to the most recent annual report of the Iowa Lottery, sales dropped by more than \$21 million from 1993 to 1996.

Sales varied considerably across Iowa's counties. For example, less than a half million dollars in sales were noted in 16 counties; in six (Adams, Decatur, Ida, Osceola, Ringgold, Van Buren) of these, sales of less than a quarter of a million dollars occurred. In a majority (50) of Iowa's 99 counties, however, lottery sales exceeded \$1 million. Seven counties (Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) had at least \$5 million in sales of lottery products in 1996.

More than two-thirds (70) of the counties followed the state's pattern of lower sales in 1996 than in 1993. Many of these drops were modest, however; for example, 34 counties declined in sales by less than \$100,000 when 1993 and 1996 were compared. Black Hawk, Page, Polk, Pottawattamie, and Woodbury dropped by at least a half million, with Pottawattamie's decline of \$11.0 million exceeding Polk's decrease of \$5.6 million, which was the second greatest, by more than \$5 million. Among the 29 counties with higher lottery sales in 1996 than in 1993, the increase exceeded \$1 million only in Scott. In 15 others, sales in 1996 were at least \$100,000 greater than in 1993.

When lottery sales are divided by the estimated population, sales figures per person living in the county result. Per capita sales in the state declined modestly from \$75 in 1993 to \$73 in 1994, \$70 in 1995, and \$67 in 1996. Seventeen counties had lottery sales of at least \$80 for every resident in 1996. These counties were scattered across the state (Figure 1); some counties with high per capita purchases were urban while others were rural. Although most of the 45 counties with sales of less than \$60 per person were rural in nature, a few contained relatively large populations.

When 1993 and 1996 were compared, 25 counties decreased by at least \$10 per person in lottery sales (Figure 2). Eight counties (Allamakee, Clayton, Grundy, Harrison, Lyon, Mills, Page, Pottawattamie) dropped by at least \$20 per resident. More than a quarter of Iowa's counties (26) had higher per capita sales in 1996 than in 1993, with nine growing by at least \$10 per person, although none increased by \$20 per resident.

Comparing population, total lottery sales, and per capita lottery sales yields additional differences across counties. For example, Hamilton was 49<sup>th</sup> highest in number of residents among Iowa's 99 counties in 1996. But it was 20<sup>th</sup> in total lottery sales and tied for 4<sup>th</sup> from the top on per capita lottery sales that year. Sioux, on the other hand, was 99<sup>th</sup> (or lowest) on per capita lottery sales, 76<sup>th</sup> on total sales, but 22<sup>nd</sup> on population in 1996. Understanding geographic location plus the situation in a specific county will assist in interpreting these numbers for any one year and changes across the 1993-1996 period.

**Note:** For additional information on lottery sales, see annual reports published by the Iowa Lottery from 1986 through 1996. Data are for fiscal years. Before 1993, no county totals were reported. Rather, information on a county's share of the state's total sales from instant tickets was provided. No totals from other sources were noted; nor were data on instant tickets alone listed in the 1993-1996 reports. Thus, numbers consistently using the same base are not included in the annual reports for the entire period during which the lottery has been in place. In addition, the figures reported in this section do not include receipts from other forms of gambling that occur in some counties.

Table 1. Lottery Sales in Iowa Counties, 1993-1996.

County	Sales (\$)				Per Capita Sales (\$)			
	1996	1995	1994	1993	1996	1995	1994	1993
Adair	458836	443671	529108	584414	56	54	64	69
Adams	192765	222003	209180	231837	43	49	46	50
Allamakee	1276674	1297902	1430113	1646153	91	92	103	118
Appanoose	1201498	1191318	1085579	1087248	88	87	80	79
Audubon	312722	362119	382895	383872	45	52	55	55
Benton	961234	967101	947201	1045511	39	40	40	45
Black Hawk	11037354	10857063	10729014	11998134	90	88	87	96
Boone	1477474	1666721	1734372	1716073	57	65	69	68
Bremer	1506192	1495285	1535294	1696955	65	64	66	73
Buchanan	1467242	1599578	1484086	1514017	69	75	70	72
Buena Vista	1290844	1235247	1196386	1351144	65	62	60	67
Butler	965646	993118	1045241	1169095	61	63	66	74
Calhoun	568794	616299	611786	625003	50	53	52	54
Carroll	1254622	1193472	1123313	1145593	58	55	52	53
Cass	1174535	1188499	1005537	947455	79	79	67	63
Cedar	817238	828366	936530	991758	46	47	53	57
Cerro Gordo	4880286	4941607	4875490	4898106	105	106	105	105
Cherokee	944087	1066035	904497	831326	70	78	65	60
Chickasaw	769977	794924	885618	886305	57	59	66	67
Clarke	552469	492978	496584	569835	67	60	61	68
Clay	1384487	1299999	1222046	1292791	79	74	69	73
Clayton	1556058	1628775	1792161	1942265	82	87	95	103
Clinton	3905862	3929675	3275360	3241088	77	77	64	63
Crawford	1282747	1311032	1343462	1145254	78	79	81	69
Dallas	1857000	2035530	2126089	2080861	55	62	66	66
Davis	331538	355622	376863	401182	39	42	45	48
Decatur	185278	207378	221532	252249	23	25	27	31
Delaware	1145333	1107901	1145136	1170375	62	60	62	64
Des Moines	2894916	2912734	2888642	2517636	68	68	67	59
Dickinson	1605080	1469914	1417459	1475120	102	94	92	96
Dubuque	5947498	6278458	6132153	6186708	67	71	70	70
Emmet	829007	822589	983765	975648	75	73	87	85
Fayette	1488929	1532349	1583820	1692264	67	70	72	77
Floyd	1389568	1251978	1335764	1307691	84	75	80	78
Franklin	781588	733108	748742	764327	71	67	68	68
Fremont	1000564	1007534	1167242	898259	126	125	143	110
Greene	513834	573212	533965	521366	51	57	53	51
Grundy	421289	448762	534422	655087	34	37	44	54
Guthrie	562193	553823	589109	631303	49	49	52	56
Hamilton	1639287	1767373	1681769	1655330	102	109	105	103
Hancock	935609	887451	884917	757817	77	73	73	62
Hardin	1397843	1418216	1415437	1462363	75	76	76	79
Harrison	1021874	1132615	1433061	1318845	67	75	96	89
Henry	1212098	1205163	1145801	1023440	61	61	58	52
Howard	790849	751051	703908	771700	81	77	72	78
Humboldt	802756	837603	857861	963766	77	81	82	92
Ida	231272	272023	298732	280895	29	33	36	34
Iowa	757049	764487	812330	935354	49	50	54	63
Jackson	1541739	1609364	1415969	1380415	77	80	70	69
Jasper	1898939	2090423	2226090	2264490	54	59	63	65

Table 1. Lottery Sales in Iowa Counties, 1993-1996 (continued).

County	Sales (\$)				Per Capita Sales (\$)			
	1996	1995	1994	1993	1996	1995	1994	1993
Jefferson	702089	718826	680696	651488	42	43	40	39
Johnson	4215680	4115059	4018034	4094105	41	41	40	41
Jones	1056234	1061345	1048958	1057035	51	52	52	53
Keokuk	394008	415095	467176	458647	34	36	40	39
Kossuth	915142	929260	960567	912181	51	51	53	50
Lee	2332502	2238461	2131343	1870484	60	57	55	48
Linn	14262357	13810949	13626674	14416376	79	77	77	82
Louisa	837594	950284	959870	913138	70	80	81	77
Lucas	445841	507225	506234	594785	49	56	56	66
Lyon	440053	473372	615225	750243	37	40	52	63
Madison	422011	456813	473528	467397	31	34	36	36
Mahaska	1241834	1214631	1139176	1244841	57	56	52	57
Marion	1380868	1401483	1564925	1520520	44	45	51	50
Marshall	2918785	3071185	2918848	3301706	75	79	76	87
Mills	884070	1051863	1203100	1152225	63	76	89	86
Mitchell	657740	652343	736439	735445	59	59	67	67
Monona	622542	594232	746970	735536	62	60	74	73
Monroe	676747	691046	688357	733282	83	84	84	90
Montgomery	663075	709405	754098	773974	56	59	63	64
Muscatine	3647274	3665970	3429841	3183759	89	89	83	77
O'Brien	800102	766758	825320	858071	53	50	54	56
Osceola	191521	180722	186533	236986	27	26	26	33
Page	521176	582755	712986	1043292	31	35	42	63
Palo Alto	722066	662560	710188	668340	71	65	68	64
Plymouth	996888	1096582	1109921	1199623	41	45	46	50
Pocahontas	516834	495808	558370	558081	57	54	61	61
Polk	22851465	27161824	26333810	28433397	65	77	76	83
Pottawattamie	8003251	10532872	19226994	18979956	94	126	230	227
Poweshiek	1407850	1420668	1416634	1458189	74	75	75	77
Ringgold	195710	218977	235916	238460	37	41	44	44
Sac	872810	858614	874433	807843	73	71	72	67
Scott	11737749	11775828	10300829	9373047	75	75	66	60
Shelby	642935	681292	709521	680725	49	52	54	52
Sioux	580727	661528	705020	678562	19	21	23	22
Story	2629799	2700748	2786573	2941777	35	36	37	39
Tama	911584	960491	1119623	1193982	52	54	63	68
Taylor	311443	291976	270397	339505	43	41	38	48
Union	1017629	1069682	1028938	1098413	81	86	83	87
Van Buren	237173	221604	208870	198932	30	28	27	26
Wapello	4221392	4417248	4109736	4370392	118	124	114	121
Warren	1533223	1729540	1743345	1825979	39	44	45	48
Washington	1186382	1250429	1264563	1162247	57	61	62	57
Wayne	382633	401118	427034	398234	56	59	62	57
Webster	3686859	3806130	3684834	3659847	95	97	93	92
Winnebago	1076243	1148248	1116940	1058709	90	96	94	89
Winneshiek	1356528	1322307	1485243	1553256	65	63	71	74
Woodbury	6560470	6942966	7595600	7757503	64	68	75	77
Worth	500650	446525	473069	507592	64	57	60	64
Wright	1101660	1129362	1119332	1079270	77	78	79	76
State of Iowa	189893771	199313457	206452062	211213100	67	70	73	75

Figure 1. Per capita lottery sales, 1996.

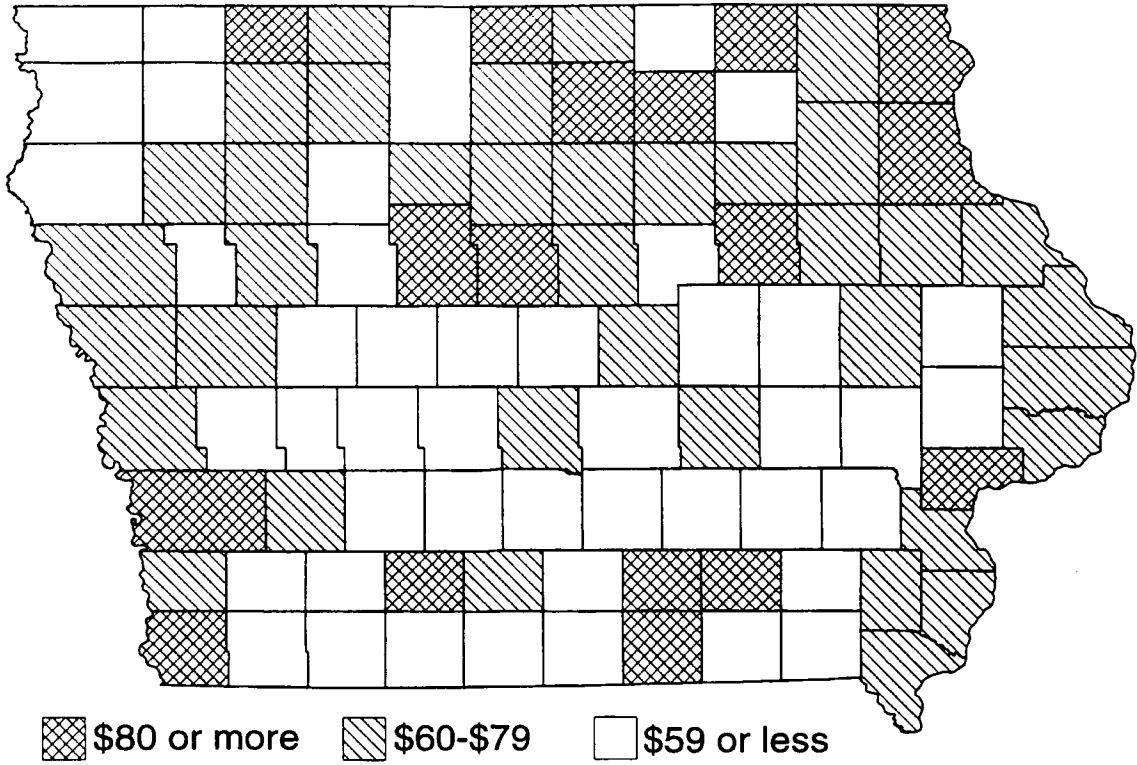
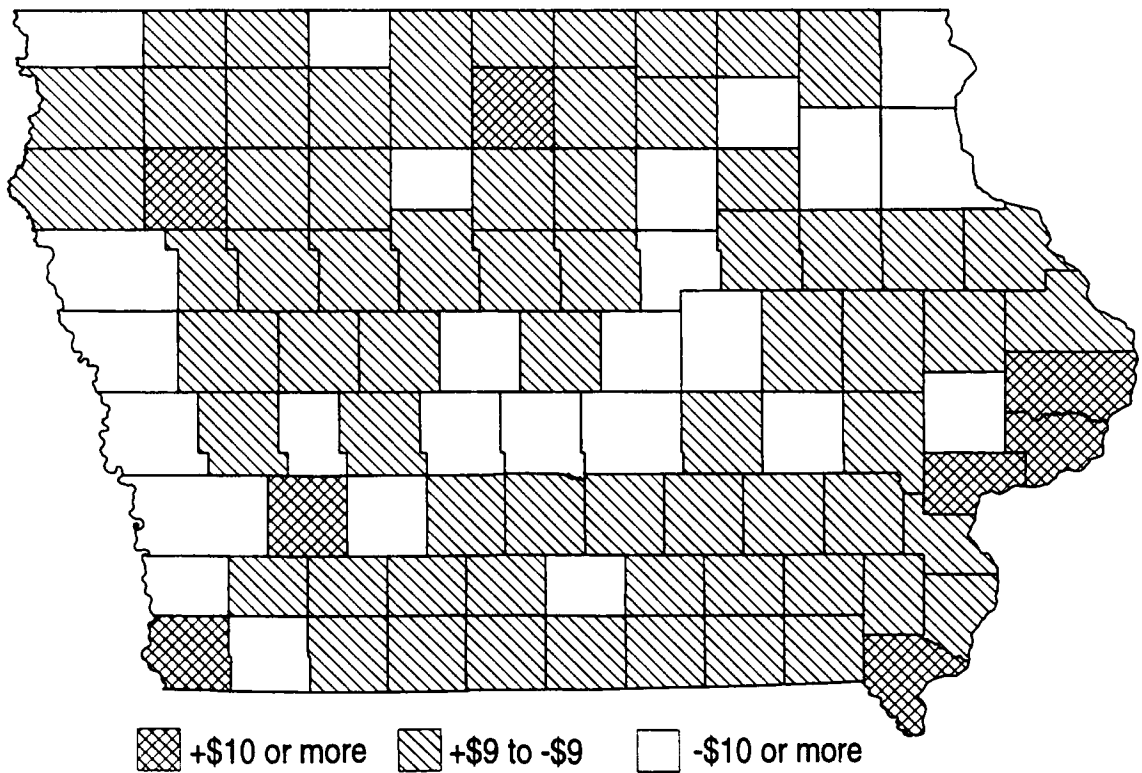


Figure 2. Change in per capita lottery sales, 1993-1996.



## Migration by Sex in Iowa's Counties: 1985 to 1990

Sandra Charvat Burke, Iowa State University  
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One question in the 1990 census provided information on the extent of residential mobility of the population between 1985 and 1990. The 1990 census item asked for the state (or foreign country), county, and place of residence on 1 April 1985 for those who lived in a different house than their 1 April 1990 residence. This allows for the determination of those who lived in the same county at both the mid-point and the end of the decade, a different county but still in Iowa, a different state, or abroad. In addition, information is available about the characteristics of those who moved as well as those who didn't; in this section, data for females and males are reported. For determining residence five years earlier, only people five years of age or older at the time of the census were included in the tabulations.

### Total Migration

The largest number of residents in each county did not move when 1985 and 1990 were compared (Table 1). In 97 counties, those who moved within the county constituted the second highest number. Only in Story and Warren did those moving in from another Iowa county outnumber those who moved within the county.

Nearly 264,000 residents moved from one Iowa county to another in this state in the 1985-1990 comparison (Table 1). Numbers moving in from other Iowa counties varied from less than 1,000 in 24 counties to more than 10,000 in five others (Black Hawk, Johnson, Linn, Polk, Story), with Polk's total of 30,701 far exceeding the others. In 13 counties, fewer than 1,000 moved out to other Iowa counties; but in three others (Black Hawk, Linn, Polk), at least 10,000 moved away but stayed within Iowa.

Seventy-eight counties had more residents move to other counties in Iowa than move in from them (Table 4, Figure 1). Because this form of migration (from one Iowa county to another) must balance within the state, that means the 21 counties with more moving in than out to other Iowa counties had much higher net figures than the other 78. Three counties (Johnson, Polk, Story)—each with 9,000 to 10,000 more entering than leaving—had particularly high figures. Two of these counties—Johnson and Story—include large educational institutions, while Polk has the state's largest metropolitan center. Black Hawk, Linn, and Warren had from 1,000 to 2,000 more in- than outmigrants. Five counties (Carroll, Clinton, Dubuque, Kossuth, Woodbury) had at least 1,000 more leave than enter from other Iowa counties when 1985 and 1990 were compared, with Dubuque's figure of -2,507 the highest. Nearly a third (32) of the counties had from 1 to 299 more moving out than in when county-to-county moves were totaled.

Moves occurred across states lines and more than 194,000 people living in other states in 1985 resided in Iowa counties as of 1990 (Table 1). While 28 counties had fewer than 500 move in from other states, nine others had at least 5,000 enter. Johnson, Linn, Polk, and Scott each had more than 10,000 immigrants from other states.

Some residents left the state as well. In fact, nearly 289,000 residents of Iowa in 1985 moved to other states as of 1990. Nine counties had fewer than 500 leave while 10 others had at least 5,000 move out in the period studied. Black Hawk, Johnson, Linn, Polk, Pottawattamie, Scott, Story, and Woodbury reported at least 10,000 leaving for other states during the time period.

About 94,000 more left Iowa for other states than entered and all but six counties followed the trend for the state (Table 4). Among these six, net gains ranged from less than 100 to 240 more entering than leaving. While outmigrants exceeded immigrants by less than 200 in 15 counties, the difference was at least 1,000 in 18 others. Those leaving Iowa for other states outnumbered those entering by 5,000 or more in Black Hawk, Johnson, Polk, Scott, and Story counties.

Table 1. Total Nonmovers and Movers in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	5150	1505	804	1172	374	414	1178	1586	-408	22
Adams	3072	617	600	626	231	378	831	1004	-173	3
Allamakee	8679	2515	1020	1190	638	887	1658	2077	-419	12
Appanoose	7925	2815	1101	1409	965	1497	2066	2906	-840	65
Audubon	4753	1175	714	1012	181	483	895	1495	-600	4
Benton	13392	3749	2664	2565	946	1485	3610	4050	-440	26
Black Hawk	63896	31072	13140	12021	6906	15095	20046	27116	-7070	610
Boone	14193	5063	2927	3176	1294	1883	4221	5059	-838	45
Bremer	13563	3337	3060	2901	1319	2052	4379	4953	-574	156
Buchanan	12715	3834	2040	2496	630	1201	2670	3697	-1027	9
Buena Vista	10622	3443	2941	2718	1397	1963	4338	4681	-343	141
Butler	10335	2659	1395	2260	357	807	1752	3067	-1315	3
Calhoun	7132	1808	1353	1777	509	822	1862	2599	-737	13
Carroll	13370	4154	1438	2686	754	1224	2192	3910	-1718	18
Cass	8955	3076	1355	1756	747	1213	2102	2969	-867	33
Cedar	10576	3022	2085	2158	589	1402	2674	3560	-886	6
Cerro Gordo	25769	10575	4621	4579	2503	4630	7124	9209	-2085	79
Cherokee	8512	2865	1148	1435	615	1115	1763	2550	-787	28
Chickasaw	8863	2112	1089	2031	325	835	1414	2866	-1452	9
Clarke	4623	1788	966	963	324	445	1290	1408	-118	22
Clay	9662	3548	1887	2196	1196	1642	3083	3838	-755	47
Clayton	12481	3082	1540	2501	602	1471	2142	3972	-1830	17
Clinton	29180	12141	2602	3749	3423	5276	6025	9025	-3000	84
Crawford	9914	3316	1522	1861	793	1837	2315	3698	-1383	21
Dallas	16344	5026	4486	4603	1676	2348	6162	6951	-789	113
Davis	5056	1536	651	884	442	551	1093	1435	-342	23
Decatur	4336	1704	726	954	1021	1116	1747	2070	-323	44
Delaware	11379	3250	1490	2488	484	786	1974	3274	-1300	17
Des Moines	23492	10525	2366	2660	3247	4628	5613	7288	-1675	132
Dickinson	8530	2737	1720	1483	1080	1713	2800	3196	-396	25
Dubuque	49794	20282	3737	6244	6002	7497	9739	13741	-4002	566
Emmet	6916	2032	1171	1297	735	1279	1906	2576	-670	5
Fayette	13297	3863	2263	2888	902	1796	3165	4684	-1519	27
Floyd	10068	3459	1674	2378	725	1421	2399	3799	-1400	13
Franklin	7040	1976	1169	1564	399	481	1568	2045	-477	49
Fremont	4986	1452	617	764	636	875	1253	1639	-386	19
Greene	6297	1715	1016	1680	364	738	1380	2418	-1038	17
Grundy	7906	1629	1410	1732	299	815	1709	2547	-838	10
Guthrie	6902	1526	1379	1558	494	618	1873	2176	-303	4
Hamilton	8935	3631	1793	2209	601	982	2394	3191	-797	49
Hancock	7766	2153	1354	1808	429	907	1783	2715	-932	23
Hardin	11344	3459	2260	2741	862	1639	3122	4380	-1258	50
Harrison	8855	2636	967	1244	1195	1413	2162	2657	-495	52
Henry	10072	3778	2448	2233	1512	1561	3960	3794	166	143
Howard	6222	1552	897	1070	450	755	1347	1825	-478	14
Humboldt	6709	2009	997	1289	318	775	1315	2064	-749	17
Ida	5347	1373	721	1078	290	440	1011	1518	-507	8
Iowa	9278	2602	1324	1654	355	663	1679	2317	-638	21
Jackson	12675	3735	1389	2154	681	1235	2070	3389	-1319	46
Jasper	19988	7641	3394	3407	1429	1778	4823	5185	-362	101

Table 1. Total Nonmovers and Movers in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	8387	3596	1012	1616	1851	1611	2863	3227	-364	408
Johnson	33746	19720	19350	9402	14000	19547	33350	28949	4401	3117
Jones	11609	3061	2639	2574	833	931	3472	3505	-33	30
Keokuk	7648	1713	1119	1472	391	661	1510	2133	-623	0
Kossuth	12200	3075	1154	2188	811	1504	1965	3692	-1727	53
Lee	21883	9721	1816	2527	2608	4265	4424	6792	-2368	77
Linn	85692	43751	14587	12677	11764	16361	26351	29038	-2687	1002
Louisa	7180	1698	1160	1421	657	531	1817	1952	-135	94
Lucas	5397	1851	930	1556	315	740	1245	2296	-1051	7
Lyon	7905	1655	524	661	909	1244	1433	1905	-472	12
Madison	7056	2127	1630	1433	764	752	2394	2185	209	74
Mahaska	12067	4305	2342	2499	1179	1839	3521	4338	-817	91
Marion	15891	6415	3813	3013	1789	2216	5602	5229	373	136
Marshall	22224	8382	3345	4330	1767	3879	5112	8209	-3097	82
Mills	7373	2179	1430	1345	1363	1218	2793	2563	230	20
Mitchell	6749	2158	795	1013	505	689	1300	1702	-402	8
Monona	5933	2062	969	987	458	917	1427	1904	-477	8
Monroe	4941	1673	630	818	337	294	967	1112	-145	18
Montgomery	6941	2341	1110	1318	939	1540	2049	2858	-809	15
Muscatine	22270	9321	2539	3248	2620	3607	5159	6855	-1696	202
O'Brien	9385	2710	1455	1899	853	1455	2308	3354	-1046	15
Osceola	4701	1197	334	708	490	765	824	1473	-649	10
Page	9935	3260	1497	1128	1116	1751	2613	2879	-266	63
Palo Alto	6542	1931	944	1599	555	869	1499	2468	-969	17
Plymouth	14268	3980	2400	1859	974	2041	3374	3900	-526	49
Pocahontas	6277	1297	942	1492	336	673	1278	2165	-887	23
Polk	148368	92203	30701	21339	29014	36355	59715	57694	2021	2038
Pottawattamie	45945	19773	3470	3974	7005	10631	10475	14605	-4130	244
Poweshiek	10241	3763	2103	2093	1694	1892	3797	3985	-188	65
Ringgold	3474	896	445	632	290	415	735	1047	-312	25
Sac	7828	1909	1266	1641	471	720	1737	2361	-624	14
Scott	74804	38495	7193	7363	17404	24916	24597	32279	-7682	1348
Shelby	8421	2245	1061	1494	604	995	1665	2489	-824	10
Sioux	17708	5569	1853	2246	2259	2979	4112	5225	-1113	210
Story	27302	13495	17918	8621	8060	15894	25978	24515	1463	3110
Tama	11111	2828	1642	2359	669	1077	2311	3436	-1125	30
Taylor	4385	1265	510	934	503	470	1013	1404	-391	17
Union	7250	2927	1203	1478	536	1298	1739	2776	-1037	36
Van Buren	4472	1522	722	991	401	638	1123	1629	-506	12
Wapello	19849	8171	3107	4041	2149	3514	5256	7555	-2299	78
Warren	19757	5531	6438	5186	1604	2277	8042	7463	579	107
Washington	11655	3588	2047	2283	811	1312	2858	3595	-737	62
Wayne	4283	1225	712	721	396	643	1108	1364	-256	3
Webster	21867	9639	3316	4238	2473	3911	5789	8149	-2360	54
Winnebago	7396	1852	1233	1196	788	905	2021	2101	-80	60
Winneshiek	11640	3795	1834	1955	2034	2160	3868	4115	-247	132
Woodbury	50454	24673	5067	6104	9721	13439	14788	19543	-4755	952
Worth	5411	989	785	1018	301	512	1086	1530	-444	2
Wright	8797	2637	1197	1728	681	950	1878	2678	-800	2
State of Iowa	1503484	604721	263720	263720	194298	288670	458018	552390	-94372	17303

Table 2. Female Nonmovers and Movers in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	2638	806	430	583	197	241	627	824	-197	12
Adams	1597	291	312	287	127	200	439	487	-48	0
Allamakee	4533	1245	501	557	335	435	836	992	-156	8
Appanoose	4147	1480	566	745	488	682	1054	1427	-373	39
Audubon	2467	615	384	513	102	242	486	755	-269	2
Benton	6863	1966	1335	1330	468	746	1803	2076	-273	17
Black Hawk	33639	16524	7106	6159	3299	7651	10405	13810	-3405	321
Boone	7517	2645	1513	1671	636	1088	2149	2759	-610	12
Bremer	6917	1702	1678	1396	690	1147	2368	2543	-175	41
Buchanan	6476	1969	1039	1275	318	558	1357	1833	-476	3
Buena Vista	5622	1706	1469	1367	728	1003	2197	2370	-173	80
Butler	5366	1409	665	1226	143	398	808	1624	-816	3
Calhoun	3813	990	651	942	228	362	879	1304	-425	1
Carroll	7033	1997	795	1286	404	666	1199	1952	-753	8
Cass	4770	1590	726	927	355	634	1081	1561	-480	17
Cedar	5490	1495	1042	1108	319	833	1361	1941	-580	6
Cerro Gordo	13701	5619	2431	2295	1247	2332	3678	4627	-949	43
Cherokee	4493	1481	537	668	308	517	845	1185	-340	16
Chickasaw	4416	1090	579	1060	171	375	750	1435	-685	0
Clarke	2419	899	525	518	198	202	723	720	3	0
Clay	5020	1873	997	1086	602	831	1599	1917	-318	19
Clayton	6424	1546	713	1290	319	658	1032	1948	-916	8
Clinton	15135	6474	1399	1904	1736	2633	3135	4537	-1402	42
Crawford	5043	1747	746	1085	424	975	1170	2060	-890	10
Dallas	8545	2552	2283	2393	780	1248	3063	3641	-578	35
Davis	2615	770	306	500	258	259	564	759	-195	23
Decatur	2333	836	375	492	505	567	880	1059	-179	18
Delaware	5834	1648	766	1187	237	398	1003	1585	-582	1
Des Moines	12553	5255	1174	1356	1678	2419	2852	3775	-923	56
Dickinson	4496	1381	894	731	562	840	1456	1571	-115	11
Dubuque	25926	10756	1820	3067	2962	3971	4782	7038	-2256	235
Emmet	3667	1042	552	599	369	597	921	1196	-275	0
Fayette	6899	1994	1113	1476	449	856	1562	2332	-770	12
Floyd	5364	1845	804	1222	373	694	1177	1916	-739	5
Franklin	3644	1000	603	763	194	274	797	1037	-240	24
Fremont	2677	766	320	411	327	483	647	894	-247	4
Greene	3275	942	578	831	166	391	744	1222	-478	7
Grundy	4148	811	756	853	153	414	909	1267	-358	8
Guthrie	3608	814	711	793	251	229	962	1022	-60	4
Hamilton	4660	1914	876	1098	288	428	1164	1526	-362	13
Hancock	4030	1057	711	946	222	429	933	1375	-442	15
Hardin	6022	1850	1036	1247	355	861	1391	2108	-717	31
Harrison	4721	1348	497	665	585	712	1082	1377	-295	20
Henry	5253	1972	1018	1059	665	832	1683	1891	-208	55
Howard	3205	828	439	536	226	421	665	957	-292	7
Humboldt	3494	1059	491	696	169	389	660	1085	-425	10
Ida	2774	721	380	597	134	264	514	861	-347	2
Iowa	4781	1353	693	780	196	310	889	1090	-201	3
Jackson	6548	1814	744	1149	346	624	1090	1773	-683	22
Jasper	10278	3921	1701	1819	716	826	2417	2645	-228	58



Table 2. Female Nonmovers and Movers in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	4326	1877	507	833	883	759	1390	1592	-202	208
Johnson	17592	9815	9684	4753	6980	9733	16664	14486	2178	1409
Jones	5781	1578	1068	1142	316	474	1384	1616	-232	13
Keokuk	3957	876	604	796	185	327	789	1123	-334	0
Kossuth	6335	1551	593	1136	435	850	1028	1986	-958	19
Lee	11500	5043	701	1205	1315	2075	2016	3280	-1264	40
Linn	44724	22710	7429	6421	5760	8269	13189	14690	-1501	424
Louisa	3630	842	540	685	336	254	876	939	-63	37
Lucas	2868	985	453	842	157	329	610	1171	-561	7
Lyon	3996	849	276	288	523	619	799	907	-108	10
Madison	3672	1057	822	686	388	392	1210	1078	132	50
Mahaska	6301	2186	1192	1267	592	977	1784	2244	-460	31
Marion	8205	3295	2031	1465	767	1101	2798	2566	232	73
Marshall	11557	4293	1662	2179	837	1971	2499	4150	-1651	35
Mills	3834	1080	649	700	693	621	1342	1321	21	11
Mitchell	3528	1028	427	531	287	355	714	886	-172	0
Monona	3113	1095	523	465	217	448	740	913	-173	2
Monroe	2587	836	349	463	186	146	535	609	-74	5
Montgomery	3722	1264	563	686	467	767	1030	1453	-423	13
Muscatine	11474	4779	1309	1573	1368	1741	2677	3314	-637	111
O'Brien	4971	1432	695	971	399	713	1094	1684	-590	11
Osceola	2425	581	171	327	287	421	458	748	-290	5
Page	5195	1725	701	541	555	856	1256	1397	-141	34
Palo Alto	3478	965	455	719	270	436	725	1155	-430	9
Plymouth	7303	1980	1220	900	502	972	1722	1872	-150	20
Pocahontas	3186	676	541	782	193	316	734	1098	-364	14
Polk	79897	48379	15957	10879	14277	18301	30234	29180	1054	900
Pottawattamie	24092	10478	1773	1941	3398	5507	5171	7448	-2277	112
Poweshiek	5336	2046	1029	1081	855	1007	1884	2088	-204	37
Ringgold	1850	458	237	367	155	173	392	540	-148	15
Sac	4036	967	670	880	251	366	921	1246	-325	8
Scott	38757	20337	3735	3575	8846	11872	12581	15447	-2866	536
Shelby	4242	1186	589	780	309	478	898	1258	-360	2
Sioux	9158	2861	875	1252	1275	1546	2150	2798	-648	126
Story	14194	6470	8106	4007	3683	7080	11789	11087	702	1261
Tama	5754	1450	870	1208	353	619	1223	1827	-604	15
Taylor	2382	610	271	536	262	213	533	749	-216	5
Union	3918	1535	622	839	269	681	891	1520	-629	13
Van Buren	2344	734	359	518	196	372	555	890	-335	7
Wapello	10480	4284	1587	1982	1077	1796	2664	3778	-1114	48
Warren	10167	2859	3331	2721	797	1155	4128	3876	252	44
Washington	6089	1814	1149	1141	379	636	1528	1777	-249	20
Wayne	2267	649	392	319	201	315	593	634	-41	0
Webster	11588	5104	1709	2083	1199	1881	2908	3964	-1056	13
Winnebago	3858	923	651	619	415	490	1066	1109	-43	16
Winneshiek	5884	1954	857	1082	1193	1059	2050	2141	-91	71
Woodbury	26551	12852	2592	3103	5024	6787	7616	9890	-2274	418
Worth	2826	504	365	532	174	239	539	771	-232	0
Wright	4703	1367	565	891	370	388	935	1279	-344	0
State of Iowa	786522	313627	133236	133236	96864	144028	230100	277264	-47164	7645

Table 3. Male Nonmovers and Movers in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	2512	699	374	589	177	173	551	762	-211	10
Adams	1475	326	288	339	104	178	392	517	-125	3
Allamakee	4146	1270	519	633	303	452	822	1085	-263	4
Appanoose	3778	1335	535	664	477	815	1012	1479	-467	26
Audubon	2286	560	330	499	79	241	409	740	-331	2
Benton	6529	1783	1329	1235	478	739	1807	1974	-167	9
Black Hawk	30257	14548	6034	5862	3607	7444	9641	13306	-3665	289
Boone	6676	2418	1414	1505	658	795	2072	2300	-228	33
Bremer	6646	1635	1382	1505	629	905	2011	2410	-399	115
Buchanan	6239	1865	1001	1221	312	643	1313	1864	-551	6
Buena Vista	5000	1737	1472	1351	669	960	2141	2311	-170	61
Butler	4969	1250	730	1034	214	409	944	1443	-499	0
Calhoun	3319	818	702	835	281	460	983	1295	-312	12
Carroll	6337	2157	643	1400	350	558	993	1958	-965	10
Cass	4185	1486	629	829	392	579	1021	1408	-387	16
Cedar	5086	1527	1043	1050	270	569	1313	1619	-306	0
Cerro Gordo	12068	4956	2190	2284	1256	2298	3446	4582	-1136	36
Cherokee	4019	1384	611	767	307	598	918	1365	-447	12
Chickasaw	4447	1022	510	971	154	460	664	1431	-767	9
Clarke	2204	889	441	445	126	243	567	688	-121	22
Clay	4642	1675	890	1110	594	811	1484	1921	-437	28
Clayton	6057	1536	827	1211	283	813	1110	2024	-914	9
Clinton	14045	5667	1203	1845	1687	2643	2890	4488	-1598	42
Crawford	4871	1569	776	776	369	862	1145	1638	-493	11
Dallas	7799	2474	2203	2210	896	1100	3099	3310	-211	78
Davis	2441	766	345	384	184	292	529	676	-147	0
Decatur	2003	868	351	462	516	549	867	1011	-144	26
Delaware	5545	1602	724	1301	247	388	971	1689	-718	16
Des Moines	10939	5270	1192	1304	1569	2209	2761	3513	-752	76
Dickinson	4034	1356	826	752	518	873	1344	1625	-281	14
Dubuque	23868	9526	1917	3177	3040	3526	4957	6703	-1746	331
Emmet	3249	990	619	698	366	682	985	1380	-395	5
Fayette	6398	1869	1150	1412	453	940	1603	2352	-749	15
Floyd	4704	1614	870	1156	352	727	1222	1883	-661	8
Franklin	3396	976	566	801	205	207	771	1008	-237	25
Fremont	2309	686	297	353	309	392	606	745	-139	15
Greene	3022	773	438	849	198	347	636	1196	-560	10
Grundy	3758	818	654	879	146	401	800	1280	-480	2
Guthrie	3294	712	668	765	243	389	911	1154	-243	0
Hamilton	4275	1717	917	1111	313	554	1230	1665	-435	36
Hancock	3736	1096	643	862	207	478	850	1340	-490	8
Hardin	5322	1609	1224	1494	507	778	1731	2272	-541	19
Harrison	4134	1288	470	579	610	701	1080	1280	-200	32
Henry	4819	1806	1430	1174	847	729	2277	1903	374	88
Howard	3017	724	458	534	224	334	682	868	-186	7
Humboldt	3215	950	506	593	149	386	655	979	-324	7
Ida	2573	652	341	481	156	176	497	657	-160	6
Iowa	4497	1249	631	874	159	353	790	1227	-437	18
Jackson	6127	1921	645	1005	335	611	980	1616	-636	24
Jasper	9710	3720	1693	1588	713	952	2406	2540	-134	43

Table 3. Male Nonmovers and Movers in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	4061	1719	505	783	968	852	1473	1635	-162	200
Johnson	16154	9905	9666	4649	7020	9814	16686	14463	2223	1708
Jones	5828	1483	1571	1432	517	457	2088	1889	199	17
Keokuk	3691	837	515	676	206	334	721	1010	-289	0
Kossuth	5865	1524	561	1052	376	654	937	1706	-769	34
Lee	10383	4678	1115	1322	1293	2190	2408	3512	-1104	37
Linn	40968	21041	7158	6256	6004	8092	13162	14348	-1186	578
Louisa	3550	856	620	736	321	277	941	1013	-72	57
Lucas	2529	866	477	714	158	411	635	1125	-490	0
Lyon	3909	806	248	373	386	625	634	998	-364	2
Madison	3384	1070	808	747	376	360	1184	1107	77	24
Mahaska	5766	2119	1150	1232	587	862	1737	2094	-357	60
Marion	7686	3120	1782	1548	1022	1115	2804	2663	141	63
Marshall	10667	4089	1683	2151	930	1908	2613	4059	-1446	47
Mills	3539	1099	781	645	670	597	1451	1242	209	9
Mitchell	3221	1130	368	482	218	334	586	816	-230	8
Monona	2820	967	446	522	241	469	687	991	-304	6
Monroe	2354	837	281	355	151	148	432	503	-71	13
Montgomery	3219	1077	547	632	472	773	1019	1405	-386	2
Muscatine	10796	4542	1230	1675	1252	1866	2482	3541	-1059	91
O'Brien	4414	1278	760	928	454	742	1214	1670	-456	4
Osceola	2276	616	163	381	203	344	366	725	-359	5
Page	4740	1535	796	587	561	895	1357	1482	-125	29
Palo Alto	3064	966	489	880	285	433	774	1313	-539	8
Plymouth	6965	2000	1180	959	472	1069	1652	2028	-376	29
Pocahontas	3091	621	401	710	143	357	544	1067	-523	9
Polk	68471	43824	14744	10460	14737	18054	29481	28514	967	1138
Pottawattamie	21853	9295	1697	2033	3607	5124	5304	7157	-1853	132
Poweshiek	4905	1717	1074	1012	839	885	1913	1897	16	28
Ringgold	1624	438	208	265	135	242	343	507	-164	10
Sac	3792	942	596	761	220	354	816	1115	-299	6
Scott	36047	18158	3458	3788	8558	13044	12016	16832	-4816	812
Shelby	4179	1059	472	714	295	517	767	1231	-464	8
Sioux	8550	2708	978	994	984	1433	1962	2427	-465	84
Story	13108	7025	9812	4614	4377	8814	14189	13428	761	1849
Tama	5357	1378	772	1151	316	458	1088	1609	-521	15
Taylor	2003	655	239	398	241	257	480	655	-175	12
Union	3332	1392	581	639	267	617	848	1256	-408	23
Van Buren	2128	788	363	473	205	266	568	739	-171	5
Wapello	9369	3887	1520	2059	1072	1718	2592	3777	-1185	30
Warren	9590	2672	3107	2465	807	1122	3914	3587	327	63
Washington	5566	1774	898	1142	432	676	1330	1818	-488	42
Wayne	2016	576	320	402	195	328	515	730	-215	3
Webster	10279	4535	1607	2155	1274	2030	2881	4185	-1304	41
Winnebago	3538	929	582	577	373	415	955	992	-37	44
Winneshiek	5756	1841	977	873	841	1101	1818	1974	-156	61
Woodbury	23903	11821	2475	3001	4697	6652	7172	9653	-2481	534
Worth	2585	485	420	486	127	273	547	759	-212	2
Wright	4094	1270	632	837	311	562	943	1399	-456	2
State of Iowa	716962	291094	130484	130484	97434	144642	227918	275126	-47208	9658

Table 4. Net Migration Among Iowa Counties and Between Other States and Iowa Counties, 1985 to 1990.

County	Net Migration Among Iowa Counties			Net Migration Between Other States and Iowa Counties		
	Total	Females	Males	Total	Females	Males
Adair	-368	-153	-215	-40	-44	4
Adams	-26	25	-51	-147	-73	-74
Allamakee	-170	-56	-114	-249	-100	-149
Appanoose	-308	-179	-129	-532	-194	-338
Audubon	-298	-129	-169	-302	-140	-162
Benton	99	5	94	-539	-278	-261
Black Hawk	1119	947	172	-8189	-4352	-3837
Boone	-249	-158	-91	-589	-452	-137
Bremer	159	282	-123	-733	-457	-276
Buchanan	-456	-236	-220	-571	-240	-331
Buena Vista	223	102	121	-566	-275	-291
Butler	-865	-561	-304	-450	-255	-195
Calhoun	-424	-291	-133	-313	-134	-179
Carroll	-1248	-491	-757	-470	-262	-208
Cass	-401	-201	-200	-466	-279	-187
Cedar	-73	-66	-7	-813	-514	-299
Cerro Gordo	42	136	-94	-2127	-1085	-1042
Cherokee	-287	-131	-156	-500	-209	-291
Chickasaw	-942	-481	-461	-510	-204	-306
Clarke	3	7	-4	-121	-4	-117
Clay	-309	-89	-220	-446	-229	-217
Clayton	-961	-577	-384	-869	-339	-530
Clinton	-1147	-505	-642	-1853	-897	-956
Crawford	-339	-339	0	-1044	-551	-493
Dallas	-117	-110	-7	-672	-468	-204
Davis	-233	-194	-39	-109	-1	-108
Decatur	-228	-117	-111	-95	-62	-33
Delaware	-998	-421	-577	-302	-161	-141
Des Moines	-294	-182	-112	-1381	-741	-640
Dickinson	237	163	74	-633	-278	-355
Dubuque	-2507	-1247	-1260	-1495	-1009	-486
Emmet	-126	-47	-79	-544	-228	-316
Fayette	-625	-363	-262	-894	-407	-487
Floyd	-704	-418	-286	-696	-321	-375
Franklin	-395	-160	-235	-82	-80	-2
Fremont	-147	-91	-56	-239	-156	-83
Greene	-664	-253	-411	-374	-225	-149
Grundy	-322	-97	-225	-516	-261	-255
Guthrie	-179	-82	-97	-124	22	-146
Hamilton	-416	-222	-194	-381	-140	-241
Hancock	-454	-235	-219	-478	-207	-271
Hardin	-481	-211	-270	-777	-506	-271
Harrison	-277	-168	-109	-218	-127	-91
Henry	215	-41	256	-49	-167	118
Howard	-173	-97	-76	-305	-195	-110
Humboldt	-292	-205	-87	-457	-220	-237
Ida	-357	-217	-140	-150	-130	-20
Iowa	-330	-87	-243	-308	-114	-194
Jackson	-765	-405	-360	-554	-278	-276
Jasper	-13	-118	105	-349	-110	-239

Table 4. Net Migration Among Iowa Counties and Between Other States and Iowa Counties, 1985 to 1990 (continued).

County	Net Migration Among Iowa Counties			Net Migration Between Other States and Iowa Counties		
	Total	Females	Males	Total	Females	Males
Jefferson	-604	-326	-278	240	124	116
Johnson	9948	4931	5017	-5547	-2753	-2794
Jones	65	-74	139	-98	-158	60
Keokuk	-353	-192	-161	-270	-142	-128
Kossuth	-1034	-543	-491	-693	-415	-278
Lee	-711	-504	-207	-1657	-760	-897
Linn	1910	1008	902	-4597	-2509	-2088
Louisa	-261	-145	-116	126	82	44
Lucas	-626	-389	-237	-425	-172	-253
Lyon	-137	-12	-125	-335	-96	-239
Madison	197	136	61	12	-4	16
Mahaska	-157	-75	-82	-660	-385	-275
Marion	800	566	234	-427	-334	-93
Marshall	-985	-517	-468	-2112	-1134	-978
Mills	85	-51	136	145	72	73
Mitchell	-218	-104	-114	-184	-68	-116
Monona	-18	58	-76	-459	-231	-228
Monroe	-188	-114	-74	43	40	3
Montgomery	-208	-123	-85	-601	-300	-301
Muscatine	-709	-264	-445	-987	-373	-614
O'Brien	-444	-276	-168	-602	-314	-288
Osceola	-374	-156	-218	-275	-134	-141
Page	369	160	209	-635	-301	-334
Palo Alto	-655	-264	-391	-314	-166	-148
Plymouth	541	320	221	-1067	-470	-597
Pocahontas	-550	-241	-309	-337	-123	-214
Polk	9362	5078	4284	-7341	-4024	-3317
Pottawattamie	-504	-168	-336	-3626	-2109	-1517
Poweshiek	10	-52	62	-198	-152	-46
Ringgold	-187	-130	-57	-125	-18	-107
Sac	-375	-210	-165	-249	-115	-134
Scott	-170	160	-330	-7512	-3026	-4486
Shelby	-433	-191	-242	-391	-169	-222
Sioux	-393	-377	-16	-720	-271	-449
Story	9297	4099	5198	-7834	-3397	-4437
Tama	-717	-338	-379	-408	-266	-142
Taylor	-424	-265	-159	33	49	-16
Union	-275	-217	-58	-762	-412	-350
Van Buren	-269	-159	-110	-237	-176	-61
Wapello	-934	-395	-539	-1365	-719	-646
Warren	1252	610	642	-673	-358	-315
Washington	-236	8	-244	-501	-257	-244
Wayne	-9	73	-82	-247	-114	-133
Webster	-922	-374	-548	-1438	-682	-756
Winnebago	37	32	5	-117	-75	-42
Winneshiek	-121	-225	104	-126	134	-260
Woodbury	-1037	-511	-526	-3718	-1763	-1955
Worth	-233	-167	-66	-211	-65	-146
Wright	-531	-326	-205	-269	-18	-251
State of Iowa	0	0	0	-94372	-47164	-47208

Table 5. Net migration Between Iowa Counties and Other States by State, 1985 to 1990.

State	Total			Female			Male		
	To Iowa	From Iowa	Net Migration	To Iowa	From Iowa	Net Migration	To Iowa	From Iowa	Net Migration
Alabama (AL)	745	1168	-423	351	572	-221	394	596	-202
Alaska (AK)	732	800	-68	337	317	20	395	483	-88
Arizona (AZ)	5373	15963	-10590	2524	7986	-5462	2849	7977	-5128
Arkansas (AR)	2662	4916	-2254	1297	2463	-1166	1365	2453	-1088
California (CA)	12861	21628	-8767	6399	10070	-3671	6462	11558	-5096
Colorado (CO)	8238	11143	-2905	4014	5939	-1925	4224	5204	-980
Connecticut (CT)	677	1256	-579	310	700	-390	367	556	-189
Delaware (DE)	106	317	-211	75	187	-112	31	130	-99
Dist. of Col. (DC)	348	551	-203	185	356	-171	163	195	-32
Florida (FL)	4513	13530	-9017	2200	6624	-4424	2313	6906	-4593
Georgia (GA)	1696	4349	-2653	856	1962	-1106	840	2387	-1547
Hawaii (HI)	760	794	-34	391	304	87	369	490	-121
Idaho (ID)	702	1176	-474	348	635	-287	354	541	-187
Illinois (IL)	30316	32490	-2174	15594	16513	-919	14722	15977	-1255
Indiana (IN)	3754	5828	-2074	1881	2824	-943	1873	3004	-1131
Kansas (KS)	5350	8899	-3549	2504	4579	-2075	2846	4320	-1474
Kentucky (KY)	1257	2194	-937	572	1117	-545	685	1077	-392
Louisiana (LA)	1694	1047	647	776	466	310	918	581	337
Maine (ME)	435	436	-1	251	221	30	184	215	-31
Maryland (MD)	1143	2016	-873	591	1050	-459	552	966	-414
Massachusetts (MA)	929	1949	-1020	485	1077	-592	444	872	-428
Michigan (MI)	4142	5725	-1583	2017	2769	-752	2125	2956	-831
Minnesota (MN)	15086	24608	-9522	8251	12587	-4336	6835	12021	-5186
Mississippi (MS)	1003	858	145	436	414	22	567	444	123
Missouri (MO)	12188	21807	-9619	6272	10996	-4724	5916	10811	-4895
Montana (MT)	1294	1091	203	621	523	98	673	568	105
Nebraska (NE)	16719	20773	-4054	8632	10840	-2208	8087	9933	-1846
Nevada (NV)	678	2488	-1810	348	1283	-935	330	1205	-875
New Hampshire (NH)	320	446	-126	177	264	-87	143	182	-39
New Jersey (NJ)	1256	1762	-506	589	851	-262	667	911	-244
New Mexico (NM)	1271	1871	-600	679	948	-269	592	923	-331
New York (NY)	2833	3965	-1132	1315	1996	-681	1518	1969	-451
North Carolina (NC)	1818	4002	-2184	817	1822	-1005	1001	2180	-1179
North Dakota (ND)	1712	1131	581	818	573	245	894	558	336
Ohio (OH)	3481	5050	-1569	1759	2455	-696	1722	2595	-873
Oklahoma (OK)	3939	3458	481	2046	1773	273	1893	1685	208
Oregon (OR)	1320	1957	-637	570	975	-405	750	982	-232
Pennsylvania (PA)	1819	2762	-943	848	1308	-460	971	1454	-483
Rhode Island (RI)	114	290	-176	36	152	-116	78	138	-60
South Carolina (SC)	902	1645	-743	459	780	-321	443	865	-422
South Dakota (SD)	6189	6929	-740	3173	3451	-278	3016	3478	-462
Tennessee (TN)	1344	2933	-1589	640	1450	-810	704	1483	-779
Texas (TX)	14599	15590	-991	6677	7690	-1013	7922	7900	22
Utah (UT)	1243	1274	-31	557	570	-13	686	704	-18
Vermont (VT)	161	224	-63	65	123	-58	96	101	-5
Virginia (VA)	2229	3805	-1576	942	1778	-836	1287	2027	-740
Washington (WA)	2277	5218	-2941	1035	2496	-1461	1242	2722	-1480
West Virginia (WV)	235	496	-261	135	249	-114	100	247	-147
Wisconsin (WI)	8749	13038	-4289	4498	6487	-1989	4251	6551	-2300
Wyoming (WY)	1086	1024	62	511	463	48	575	561	14
Total Other States	194298	288670	-94372	96864	144028	-47164	97434	144642	-47208

Information also is available on which states Iowans selected most frequently when they left as well as those states yielding most immigrants to Iowa. Large numbers of those entering Iowa were from California, Illinois, Minnesota, Missouri, Nebraska, and Texas (Table 5). Each of these six states contributed at least 10,000 residents to Iowa between 1985 and 1990, with the 30,316 from Illinois nearly twice that of the next highest total (Nebraska, 16,719). States with relatively small populations or distant from Iowa tended to contribute fewer immigrants. Still, at least 100 residents of each state and the District of Columbia moved to Iowa when 1985 and 1990 were compared.

However, at least 200 people living in Iowa in 1985 left for each state by 1990. The largest numbers leaving—at least 10,000 in each case—moved to Arizona, California, Colorado, Florida, Illinois, Minnesota, Missouri, Nebraska, Texas, or Wisconsin. Illinois (32,490) captured the greatest number of Iowa's outmigrants, although the figures exceeded 20,000 in California, Minnesota, Missouri, and Nebraska as well.

The net figures indicate that Iowa gained more than it lost from six states (Louisiana, Mississippi, Montana, North Dakota, Oklahoma, Wyoming) (Figure 2), although the excess of in- versus outmigrants from these states was only 2,119 (Table 5). While net migration resulted in losses of less than 1,000 between Iowa and 21 other states and the District of Columbia, those leaving Iowa were at least 5,000 more than those entering from Arizona, California, Florida, Minnesota, and Missouri.

More than 17,000 residents of Iowa in 1990 lived in other counties five years earlier. Johnson, Linn, Polk, Scott, and Story each gained at least 1,000 immigrants (Table 1). Sixteen other counties had fewer than 10 entering from other counties when the years of 1985 and 1990 were examined.

### **Female and Male Migration**

Females constituted 52.3 percent of those in the state who did not move between 1985 and 1990, closely mirroring Iowa's percent female (51.6%) in 1990 (Tables 2, 3). The majority of nonmovers were female in 97 counties; only in Chickasaw and Jones were more males nonmovers. A majority of those moving within the county, both statewide (51.9%) and in 76 counties, were females as well.

More than 133,000 females and 130,000 males moved across county lines within Iowa in the 1985-1990 comparison (Tables 2, 3). Five counties (Black Hawk, Johnson, Linn, Polk, Story) had more than 6,000 males and females enter from other counties. In general, the number of females moving in was roughly similar to the number of males moving in, with the numbers differing by less than 100 in 72 counties. Notable exceptions were Black Hawk and Polk, where at least 1,000 more females than males moved in from other counties, and Story, which had 1,700 more males than females enter from other counties. Gender balance also was typical among those moving out from one county to another; Story had the greatest divergence in either direction, with 600 more males than females moving to other counties.

For 77 counties, more females left than entered when county-to-county migration was examined (Table 4). Dubuque, from which 1,200 more females moved out than in, was the only county with a net loss of females greater than 600. In contrast, net gains of females were 4,000 or more in Johnson, Polk, and Story. A similar pattern in both magnitude and extent prevailed for male net migration. For both males and females, a majority of counties had net losses under 300. Most counties (84) reported the net change of males and females to be in the same direction; 70 had a net loss of both while in 14 both showed net gain (Figure 3). The other 15 counties had net gain for one and net loss or no change for the other.

Approximately 97,000 males and females who lived in other states in 1985 moved to Iowa by 1990 (Tables 2, 3). A third of the counties (34 for females, 36 for males) had fewer than 300 move in, but five (Johnson, Linn, Polk, Scott, Woodbury) received at least 4,500 of each sex from other states. Many more moved out of Iowa, however; 144,000 females and males left for other states during the time period. At least 6,500 males and females left the state from Black Hawk, Johnson, Linn, Polk, Scott, Story, and Woodbury.

For both females and males, 47,000 more left Iowa than entered between 1985 and 1990 (Table 4). Ninety-two counties for females and 91 for males followed this trend of net outmigration to other states. Net losses of at least 1,000 were reported in nine counties for males and 11 for females. The few

counties with net gain from other states (7 for females, 8 for males) had net increases ranging from 3 to 134, significantly lower than the net losses reported in the other counties. Eighty-eight counties had net losses to other states of both males and females across the five years; four counties had gains for both. The remaining seven counties lost in one group but gained in the other.

About 6,000 or more females and males moved into Iowa from California, Illinois, Minnesota, Missouri, Nebraska, and Texas during the last half of the 1980s (Table 5). Approximately 15,000 each came from Illinois followed by more than 8,000 from Nebraska. Less than a hundred males and females came from Delaware, Rhode Island, and Vermont.

The same six states with the largest numbers moving into Iowa plus Arizona each gained more than 7,000 females and males from Iowa between 1985 and 1990. Once again, Illinois received the largest number of outmigrants (16,000), but Minnesota was second highest with more than 12,000 males and females moving there from Iowa. Delaware, Rhode Island, and Vermont had the lowest numbers moving there.

As with movers among Iowa's counties, women and men tended to have similar numbers moving into or out of Iowa to each state. Some exceptions were Minnesota (from which 1,400 more females than males moved into Iowa), Texas (from which Iowa gained 1,200 more males than females), and California (to which 1,400 more males than females moved). Whether immigrants or outmigrants are considered, moves by males and females differed by fewer than 100 in either direction for more than half the states.

The net migration figures show that Iowa gained more males than it lost from seven states (Louisiana, Mississippi, Montana, North Dakota, Oklahoma, Texas, Wyoming). More females moved to Iowa from all of these states except Texas. In addition females also had net immigration from Alaska, Hawaii, and Maine. For both men and women, however, the net gains from these states (14 to 337) were small in comparison to the large net losses to many states. Outmigrants of both sexes exceeded immigrants by more than 3,500 for Arizona, California, Florida, Minnesota, and Missouri. The largest net loss for men was to Minnesota, while for women it was to Arizona. The direction of net migration was different between males and females in only four states (Alaska, Hawaii, Maine, Texas) (Figure 4).

More than 7,600 females and 9,600 males living in Iowa in 1990 had lived in another country in 1985. Most counties (87 for females, 88 for males) had fewer than 100 enter from other countries in the 1985-1990 comparison. For both sexes, the largest number of international immigrants were to Johnson and Story, the location of state universities, and to Polk, the county with Iowa's largest population. Male immigrants from abroad exceeded females in 55 counties while five counties had the same number of immigrants from each sex.

**Note:** Detailed total county-to-county and county-to-state migration tables were included in the 1995 edition of this volume. The number of persons who were living in a different county or state in 1985 and 1990 is somewhat less than the total number of moves during the five-year period. Some persons in the same county at the two dates had moved during the five-year period but by the time of the 1990 census had returned to their 1985 county of residence. Other persons who were living in a different county had made one or more intermediate moves. Thus, the numbers reported in the tables in this section understate movement within and across county lines. Two other factors must be considered when interpreting these data. First, only two years are reported; 1985 was during a period of economic uncertainty in Iowa, while the situation had improved significantly by 1990. Second, migrants to other countries from Iowa have not been included; these figures are not available because the census includes only those living in the United States as of 1990. Those entering Iowa from other countries since 1985 are noted in Table 1.



Figure 1. Net migration among Iowa counties, 1985-1990.

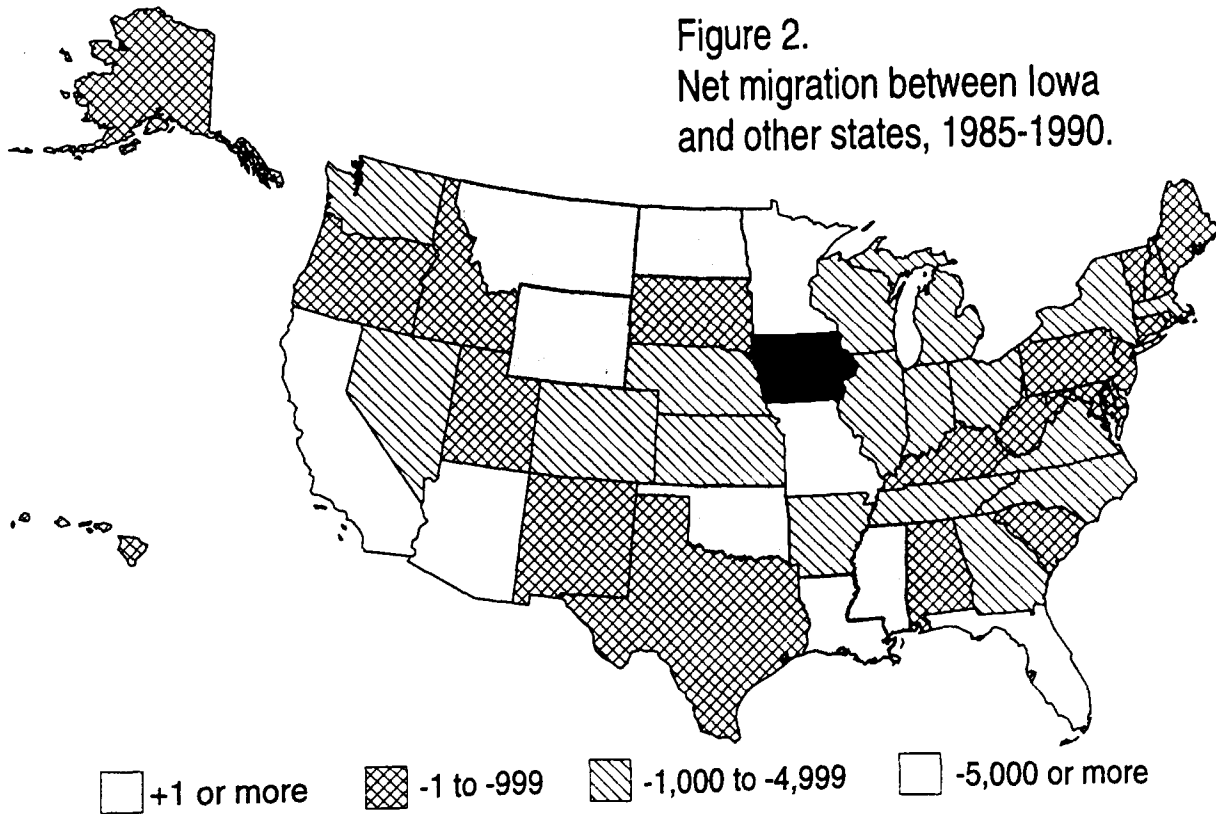
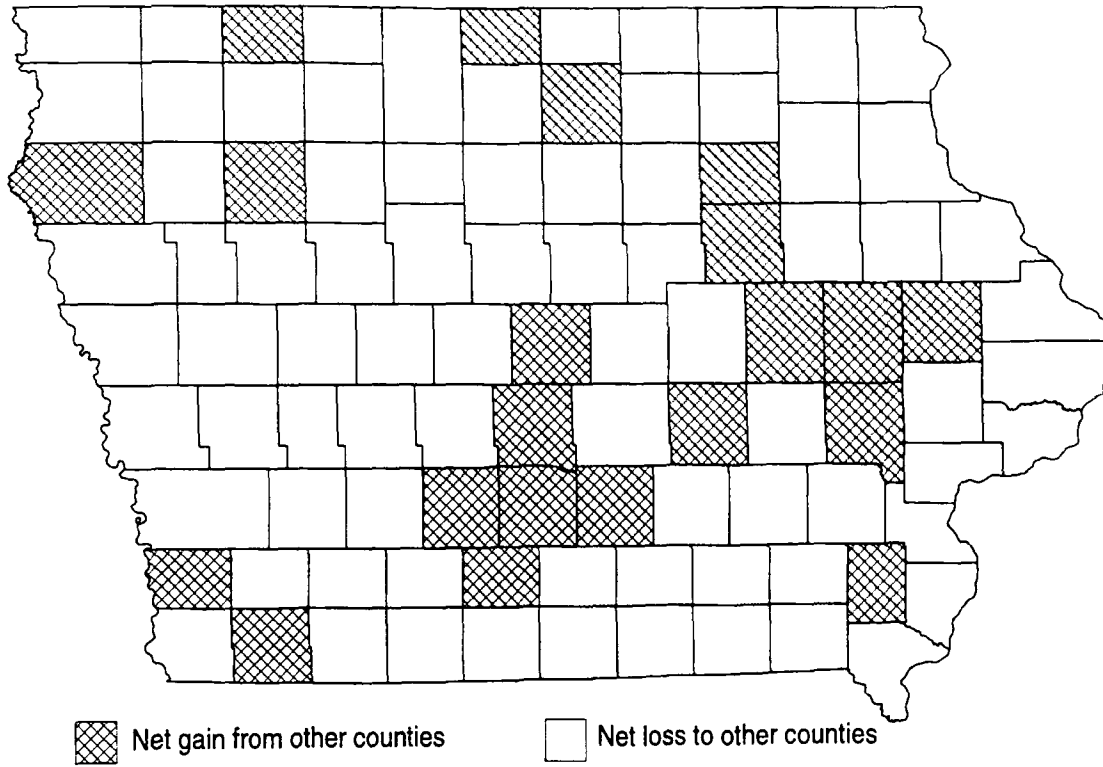


Figure 3. Net migration by sex among Iowa counties, 1985-1990.

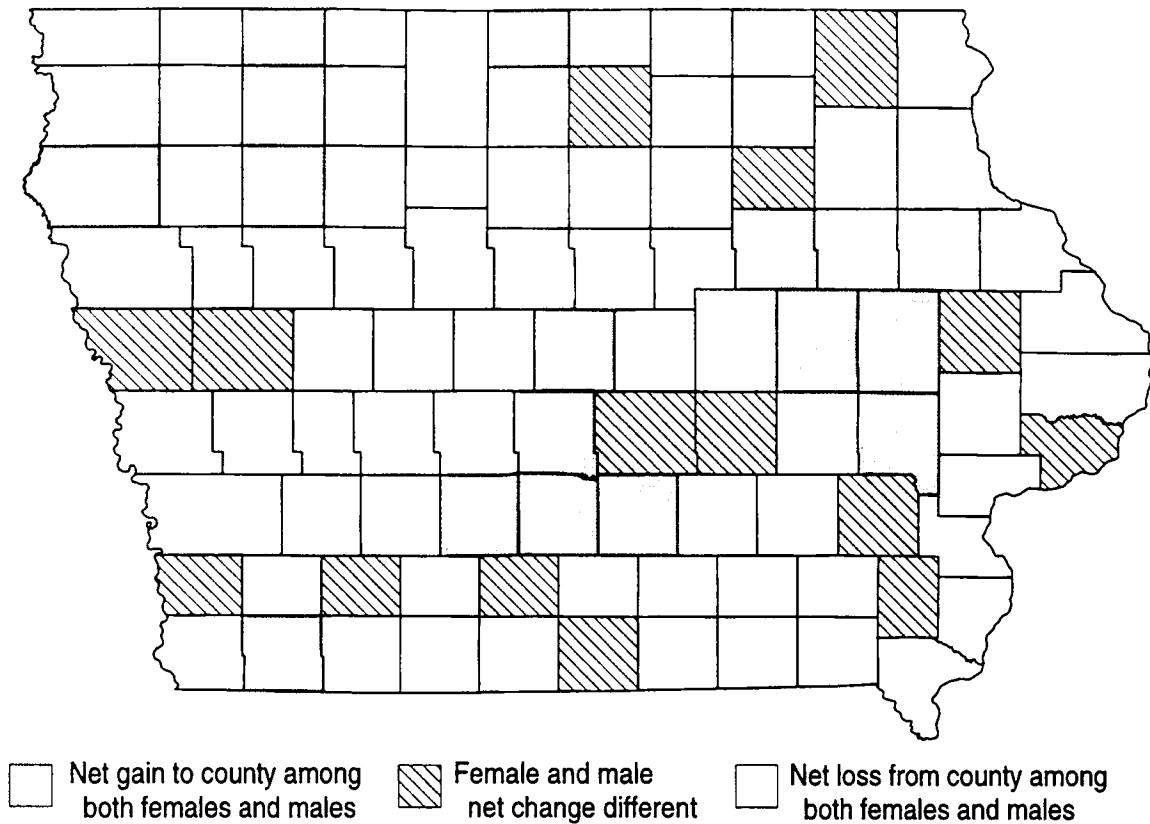
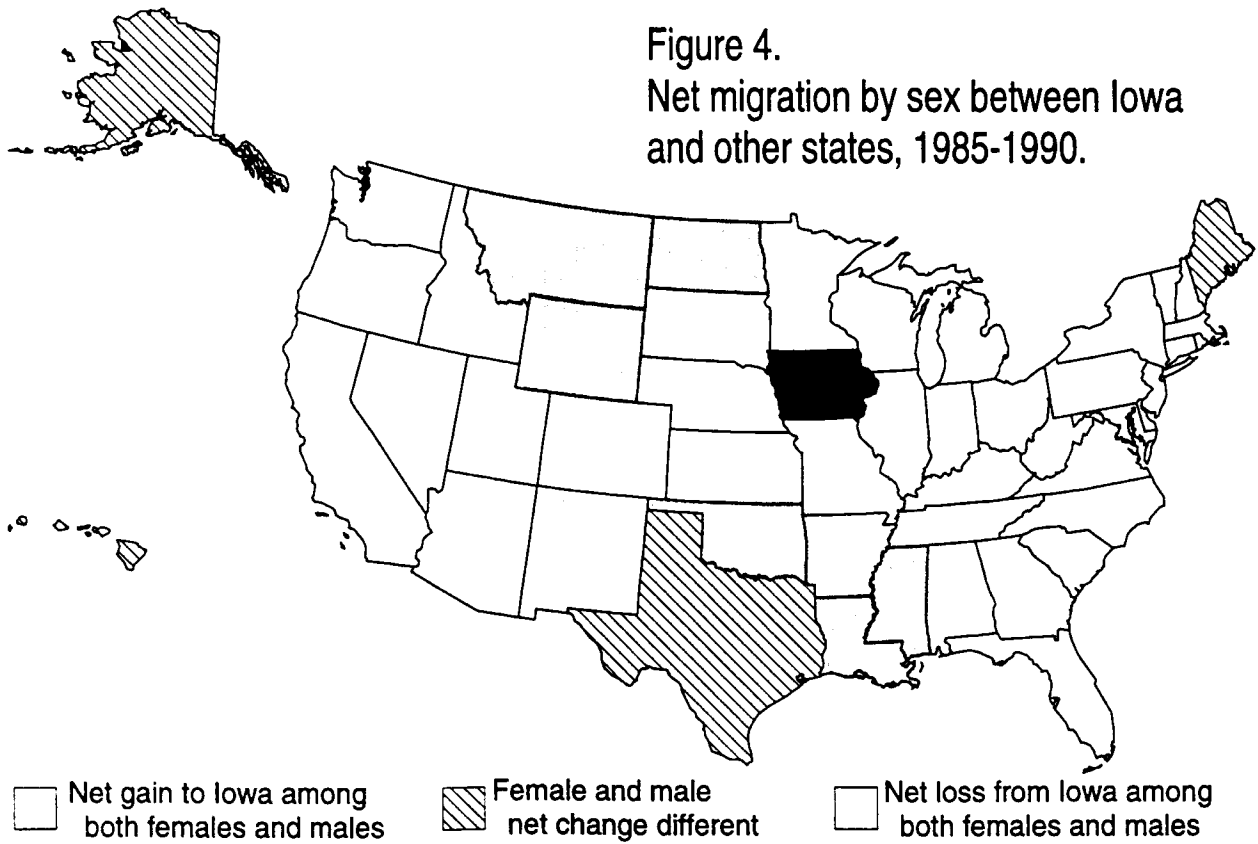


Figure 4. Net migration by sex between Iowa and other states, 1985-1990.



## Migration by Age Categories in Iowa's Counties:

### 1985 to 1990

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Age was one of the characteristics of individuals gathered in the 1990 census. Another question provided information on the extent of residential mobility of the population between 1985 and 1990. This item asked for the state (or foreign country), county, and place of residence on 1 April 1985 for those who lived in a different house than their 1 April 1990 residence. This allows for the determination of those who lived in the same county at both the mid-point and the end of the decade, a different county but still in Iowa, a different state, or abroad. For determining residence five years earlier, only people five years of age or older at the time of the census were included in the tabulations. In this section, migration is reported for four age categories (5-24, 25-44, 45-64, 65 or older).

#### Nonmovers and Movers Within the County

Persons who lived in the same county in Iowa in both 1985 and 1990 either lived in the same house (nonmovers) or had moved within the county. Statewide, nonmovers exceeded those who moved within the county for all four age groups (Tables 1-4). This was the case as well in all counties for three of the age groups. For those aged 25-44, however, both Johnson and Polk had more who moved within the county than were nonmovers.

The percentages of nonmovers and those moving within the county was different for younger than for older residents. Among people aged 5-24, those who moved within the county were 35.8 percent of the residents who had lived in the county in both 1985 and 1990 (the sum of nonmovers and moving within the county). This figure was 40.9 percent for those aged 25-44. Much lower proportions of the 45-64 and 65-or-older categories moved within the county (15.1% and 14.8% respectively). In 90 counties, the highest percentage moving within the county occurred in the 25-44 age bracket; for the other nine counties, this happened in the 5-24 age group. Less than 22 percent in any county made intra-county moves among persons aged 45 or older. Thus, persons under age 45 had a much greater tendency to move within a county than those who were older.

#### County-to-County Migration Within Iowa

More than 124,000 persons aged 5-24 moved across county lines within Iowa in the 1985-1990 comparison (Table 1). Nearly 100,000 made such moves in the 25-44 age category, 23,000 of those 45-64, and 17,000 of those at least 65 (Tables 2-4); again, moving was more likely to occur among younger groups. This was the case for in-migrants at the county level as well. The highest number of persons moving into the counties from all the others came in either the 5-24 age group (44 counties) or that of the 25-44 year olds (55 counties). In addition, the lowest number of in-migrants from other counties came from the 45-64 group (29 counties) or those at least 65 (70 counties). Out-migrants from one county to another followed a similar but more pronounced pattern. For 96 counties, the largest number of out-migrants were aged 5-24; in Black Hawk, Johnson, and Story, more out-migrants were in the 25-44 group than in any of the other three age categories. The lowest numbers of out-migrants were in the 65 or older category (74 counties) or in the 45-64 age group (25 counties).

More than 4 of every 5 counties (84) had net losses of the youngest persons to other Iowa counties between 1985 and 1990 (Table 5, Figure 1). The largest net declines for those aged 5-24 were in Dubuque (-1,713) and Scott (-1,114), the only counties exceeding 1,000. Although only 15 counties had net gains in this age group, four of them exceeded 3,000 (Black Hawk, +3,967; Johnson, +10,338; Polk, +3,476; Story, +10,669). Three of these four have state universities.

Table 1. Nonmovers and Movers Age 5-24 in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	1124	563	277	598	118	215	395	813	-418	4
Adams	587	182	233	262	83	142	316	404	-88	0
Allamakee	2253	857	352	600	217	451	569	1051	-482	0
Appanoose	1848	1012	425	711	330	633	755	1344	-589	12
Audubon	1018	414	305	490	32	213	337	703	-366	0
Benton	3372	1429	1047	1279	375	644	1422	1923	-501	7
Black Hawk	16276	11624	9246	5279	2767	5577	12013	10856	1157	310
Boone	3137	1815	986	1536	488	708	1474	2244	-770	21
Bremer	3489	1229	1594	1470	639	866	2233	2336	-103	94
Buchanan	3801	1492	788	1323	217	589	1005	1912	-907	3
Buena Vista	2638	1097	1508	1231	694	794	2202	2025	177	79
Butler	2643	964	458	1221	114	381	572	1602	-1030	3
Calhoun	1617	539	440	930	171	338	611	1268	-657	11
Carroll	3997	1332	593	1429	271	532	864	1961	-1097	4
Cass	2000	1016	533	893	216	585	749	1478	-729	18
Cedar	2699	1031	785	954	206	608	991	1562	-571	0
Cerro Gordo	6257	3361	2027	2033	871	1721	2898	3754	-856	43
Cherokee	2103	979	405	728	246	532	651	1260	-609	10
Chickasaw	2435	759	394	969	102	420	496	1389	-893	4
Clarke	969	631	418	484	125	185	543	669	-126	19
Clay	2305	1296	823	942	421	730	1244	1672	-428	25
Clayton	3387	1047	592	1241	228	732	820	1973	-1153	5
Clinton	7395	4399	1012	1813	1222	2126	2234	3939	-1705	39
Crawford	2498	1175	670	944	336	934	1006	1878	-872	9
Dallas	4234	1858	1552	1930	543	1009	2095	2939	-844	70
Davis	1328	519	242	391	160	307	402	698	-296	15
Decatur	990	623	334	414	617	519	951	933	18	37
Delaware	3563	1146	548	1289	199	388	747	1677	-930	10
Des Moines	5665	3849	832	1307	1236	1991	2068	3298	-1230	74
Dickinson	1809	889	569	721	307	572	876	1293	-417	5
Dubuque	14720	7233	1768	3481	2671	3006	4439	6487	-2048	300
Emmet	1784	666	695	651	267	539	962	1190	-228	5
Fayette	3376	1259	999	1488	348	757	1347	2245	-898	19
Floyd	2340	1256	642	1117	322	567	964	1684	-720	8
Franklin	1695	618	413	756	113	199	526	955	-429	11
Fremont	1177	482	234	355	216	430	450	785	-335	12
Greene	1385	565	382	780	87	394	469	1174	-705	0
Grundy	1869	535	487	868	96	417	583	1285	-702	8
Guthrie	1592	497	496	702	167	195	663	897	-234	4
Hamilton	1912	1248	663	1067	234	309	897	1376	-479	22
Hancock	1988	799	538	886	142	375	680	1261	-581	6
Hardin	2462	1150	1169	1388	366	710	1535	2098	-563	20
Harrison	2172	945	369	598	436	654	805	1252	-447	28
Henry	2483	1318	980	978	627	645	1607	1623	-16	92
Howard	1589	474	265	554	166	353	431	907	-476	14
Humboldt	1572	646	347	634	94	308	441	942	-501	9
Ida	1384	451	253	496	99	244	352	740	-388	6
Iowa	2175	905	456	836	127	290	583	1126	-543	13
Jackson	3546	1414	496	1224	215	469	711	1693	-982	14
Jasper	4835	2612	1373	1608	433	734	1806	2342	-536	74

Table 1. Nonmovers and Movers Age 5-24 in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	2053	1040	324	723	494	396	818	1119	-301	134
Johnson	9127	6507	13134	2796	7106	4971	20240	7767	12473	1006
Jones	3004	979	1066	1138	269	381	1335	1519	-184	3
Keokuk	1823	599	458	643	146	310	604	953	-349	0
Kossuth	3182	1032	415	1218	270	585	685	1803	-1118	22
Lee	5465	3272	554	1128	995	1882	1549	3010	-1461	27
Linn	21961	15634	6503	6449	4257	6351	10760	12800	-2040	555
Louisa	1911	593	489	643	319	222	808	865	-57	50
Lucas	1175	667	374	781	91	351	465	1132	-667	0
Lyon	2296	616	210	400	357	692	567	1092	-525	6
Madison	1795	783	583	691	278	316	861	1007	-146	38
Mahaska	2935	1487	1154	1189	493	747	1647	1936	-289	57
Marion	4031	2374	1981	1358	776	858	2757	2216	541	93
Marshall	5214	3045	1186	1906	664	1681	1850	3587	-1737	56
Mills	1968	806	489	560	486	634	975	1194	-219	8
Mitchell	1650	692	331	560	173	309	504	869	-365	4
Monona	1145	680	384	469	171	429	555	898	-343	4
Monroe	1153	606	227	362	141	121	368	483	-115	5
Montgomery	1600	668	431	645	342	690	773	1335	-562	5
Muscatine	6125	3555	905	1685	1017	1447	1922	3132	-1210	110
O'Brien	2208	910	634	957	363	649	997	1606	-609	13
Osceola	1236	414	100	399	185	399	285	798	-513	0
Page	2244	1138	621	595	390	732	1011	1327	-316	24
Palo Alto	1652	596	442	808	271	416	713	1224	-511	4
Plymouth	4108	1511	1053	883	389	1025	1442	1908	-466	17
Pocahontas	1484	335	323	806	129	340	452	1146	-694	14
Polk	36556	31430	13075	9599	11185	12474	24260	22073	2187	913
Pottawattamie	11906	7493	1504	1800	2451	4555	3955	6355	-2400	119
Poweshiek	2544	1316	865	1064	1091	817	1956	1881	75	58
Ringgold	795	273	113	323	96	195	209	518	-309	13
Sac	1853	651	491	833	146	339	637	1172	-535	8
Scott	20490	14360	2794	3908	6817	9301	9611	13209	-3598	669
Shelby	2201	753	355	664	186	496	541	1160	-619	0
Sioux	5645	2201	1087	1191	1322	1318	2409	2509	-100	169
Story	7418	4714	13546	2877	4497	4342	18043	7219	10824	1382
Tama	2690	1062	637	1239	273	555	910	1794	-884	12
Taylor	964	438	188	436	214	261	402	697	-295	4
Union	1772	1096	523	701	177	526	700	1227	-527	6
Van Buren	1005	536	306	479	140	290	446	769	-323	2
Wapello	4161	2963	1444	1951	735	1278	2179	3229	-1050	25
Warren	5645	2151	2874	2455	562	1107	3436	3562	-126	42
Washington	2933	1181	712	1078	346	597	1058	1675	-617	42
Wayne	840	383	276	337	118	279	394	616	-222	0
Webster	5122	3376	1448	2051	901	1591	2349	3642	-1293	9
Winnebago	1817	556	646	536	369	451	1015	987	28	46
Winneshiek	3273	1217	1081	1017	1396	912	2477	1929	548	83
Woodbury	13301	9172	2399	2913	4201	5779	6600	8692	-2092	485
Worth	1326	307	283	427	101	285	384	712	-328	0
Wright	1990	798	384	865	251	383	635	1248	-613	0
State of Iowa	382285	213166	124415	124415	78924	112102	203339	236517	-33178	7938

Table 2. Nonmovers and Movers Age 25-44 in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	1071	547	299	360	186	141	485	501	-16	6
Adams	640	256	244	247	124	141	368	388	-20	3
Allamakee	2090	1026	432	415	277	342	709	757	-48	10
Appanoose	1721	992	390	469	426	587	816	1056	-240	38
Audubon	1017	368	274	311	88	199	362	510	-148	0
Benton	3216	1575	1139	848	393	432	1532	1280	252	19
Black Hawk	16287	13457	2824	5315	2943	7120	5767	12435	-6668	193
Boone	3614	2016	1362	1061	603	833	1965	1894	71	15
Bremer	3240	1443	880	987	519	909	1399	1896	-497	55
Buchanan	3151	1552	883	789	265	493	1148	1282	-134	2
Buena Vista	2558	1332	1000	1091	530	916	1530	2007	-477	56
Butler	2418	1053	624	697	177	272	801	969	-168	0
Calhoun	1474	649	597	609	188	332	785	941	-156	2
Carroll	3252	1727	576	819	356	552	932	1371	-439	2
Cass	1957	1240	524	641	335	437	859	1078	-219	15
Cedar	2758	1187	953	735	259	502	1212	1237	-25	6
Cerro Gordo	6286	4875	1753	1881	1143	2061	2896	3942	-1046	36
Cherokee	1884	1114	471	435	279	354	750	789	-39	18
Chickasaw	2244	827	515	620	173	334	688	954	-266	0
Clarke	1073	728	392	285	150	191	542	476	66	2
Clay	2387	1432	731	791	548	655	1279	1446	-167	22
Clayton	2977	1238	643	880	254	549	897	1429	-532	12
Clinton	7111	5039	1200	1368	1559	2089	2759	3457	-698	32
Crawford	2372	1193	616	624	327	646	943	1270	-327	10
Dallas	4427	2024	2171	1860	803	829	2974	2689	285	27
Davis	1149	637	273	307	194	173	467	480	-13	8
Decatur	874	659	227	296	216	434	443	730	-287	7
Delaware	2947	1379	611	815	206	325	817	1140	-323	0
Des Moines	5646	4298	1041	1006	1441	1813	2482	2819	-337	58
Dickinson	2009	1111	555	433	489	720	1044	1153	-109	18
Dubuque	12495	8865	1511	2180	2433	3469	3944	5649	-1705	206
Emmet	1549	822	263	515	354	518	617	1033	-416	0
Fayette	3129	1528	931	1033	406	810	1337	1843	-506	3
Floyd	2191	1233	739	937	289	573	1028	1510	-482	2
Franklin	1646	837	494	561	198	198	692	759	-67	31
Fremont	1086	577	248	284	252	262	500	546	-46	7
Greene	1484	619	384	638	182	250	566	888	-322	15
Grundy	1728	670	650	597	130	279	780	876	-96	2
Guthrie	1579	483	505	473	205	203	710	676	34	0
Hamilton	2165	1329	862	751	238	449	1100	1200	-100	22
Hancock	1941	872	621	615	159	382	780	997	-217	17
Hardin	2284	1428	770	926	345	594	1115	1520	-405	30
Harrison	1954	1018	364	476	566	498	930	974	-44	21
Henry	2610	1467	1051	885	686	573	1737	1458	279	44
Howard	1346	581	411	355	210	227	621	582	39	0
Humboldt	1488	783	441	408	140	335	581	743	-162	8
Ida	1286	434	306	348	154	131	460	479	-19	0
Iowa	2423	1103	603	511	173	223	776	734	42	8
Jackson	2920	1523	564	714	325	507	889	1221	-332	32
Jasper	4884	3278	1470	1128	727	684	2197	1812	385	25

Table 2. Nonmovers and Movers Age 25-44 in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	2358	1681	481	631	1040	947	1521	1578	-57	265
Johnson	10362	10546	5071	5383	5929	13210	11000	18593	-7593	1999
Jones	3073	1364	1196	1002	415	400	1611	1402	209	27
Keokuk	1780	674	411	478	171	229	582	707	-125	0
Kossuth	2971	1259	514	689	413	643	927	1332	-405	31
Lee	5319	4198	933	1054	1051	1613	1984	2667	-683	45
Linn	22242	19993	6494	4683	5825	7217	12319	11900	419	365
Louisa	1817	676	543	552	242	240	785	792	-7	42
Lucas	1159	684	365	514	156	267	521	781	-260	2
Lyon	2056	572	217	191	384	463	601	654	-53	6
Madison	1664	758	794	491	314	282	1108	773	335	36
Mahaska	2951	1756	830	919	512	796	1342	1715	-373	32
Marion	3865	2551	1056	1243	676	993	1732	2236	-504	41
Marshall	5345	3561	1372	1756	782	1484	2154	3240	-1086	26
Mills	2065	841	668	559	581	356	1249	915	334	6
Mitchell	1453	875	264	328	188	265	452	593	-141	4
Monona	1163	721	376	360	204	295	580	655	-75	4
Monroe	1248	644	223	278	135	104	358	382	-24	13
Montgomery	1482	1017	432	471	434	636	866	1107	-241	10
Muscatine	6159	4143	1216	1113	1201	1505	2417	2618	-201	80
O'Brien	2206	1040	514	672	366	500	880	1172	-292	2
Osceola	1078	473	146	170	180	251	326	421	-95	0
Page	2083	1216	548	346	491	655	1039	1001	38	32
Palo Alto	1376	714	328	590	226	379	554	969	-415	13
Plymouth	3258	1570	993	620	441	722	1434	1342	92	27
Pocahontas	1409	503	420	441	126	170	546	611	-65	5
Polk	39916	44157	13480	8628	13573	17110	27053	25738	1315	967
Pottawattamie	12323	8288	1427	1344	3381	4190	4808	5534	-726	123
Poweshiek	2532	1455	756	683	386	822	1142	1505	-363	7
Ringgold	713	333	150	212	93	157	243	369	-126	8
Sac	1940	653	548	515	201	266	749	781	-32	6
Scott	19859	17298	2974	2641	8362	11574	11336	14215	-2879	582
Shelby	2072	804	441	545	305	334	746	879	-133	8
Sioux	4151	2192	540	748	679	1271	1219	2019	-800	41
Story	7256	6150	3474	4918	2951	10285	6425	15203	-8778	1677
Tama	2581	1061	672	638	296	350	968	988	-20	16
Taylor	918	479	193	310	157	154	350	464	-114	8
Union	1647	1027	481	563	230	492	711	1055	-344	30
Van Buren	1053	516	296	359	146	222	442	581	-139	10
Wapello	4621	3162	1259	1472	981	1474	2240	2946	-706	40
Warren	5549	2175	2619	1998	756	881	3375	2879	496	53
Washington	3050	1445	983	894	356	489	1339	1383	-44	20
Wayne	795	443	274	248	183	220	457	468	-11	3
Webster	5208	3917	1384	1507	1158	1635	2542	3142	-600	45
Winnebago	1928	788	442	458	261	334	703	792	-89	12
Winneshiek	2979	1536	543	713	421	1044	964	1757	-793	40
Woodbury	12560	10194	2016	2449	4110	5602	6126	8051	-1925	378
Worth	1222	380	368	334	154	177	522	511	11	2
Wright	1969	996	568	640	331	452	899	1092	-193	0
State of Iowa	374822	259903	99681	99681	85577	130703	185258	230384	-45126	8334

Table 3. Nonmovers and Movers Age 45-64 in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	1325	196	99	134	47	50	146	184	-38	12
Adams	890	101	101	64	22	73	123	137	-14	0
Allamakee	2168	256	149	108	78	52	227	160	67	2
Appanoose	2074	327	174	130	151	145	325	275	50	5
Audubon	1358	180	59	107	14	43	73	150	-77	4
Benton	3770	293	287	304	132	309	419	613	-194	0
Black Hawk	17736	3553	632	1007	796	1765	1428	2772	-1344	91
Boone	3969	555	290	328	120	192	410	520	-110	0
Bremer	3697	336	274	279	135	239	409	518	-109	5
Buchanan	2972	472	275	205	107	82	382	287	95	4
Buena Vista	2676	451	216	255	132	125	348	380	-32	6
Butler	2581	271	167	157	45	81	212	238	-26	0
Calhoun	1899	257	154	150	86	117	240	267	-27	0
Carroll	3180	450	104	260	69	79	173	339	-166	12
Cass	2483	379	148	103	133	119	281	222	59	0
Cedar	2804	372	209	239	76	188	285	427	-142	0
Cerro Gordo	7108	1165	550	422	198	575	748	997	-249	0
Cherokee	2419	451	139	183	39	146	178	329	-151	0
Chickasaw	2225	253	71	154	28	54	99	208	-109	0
Clarke	1293	260	93	134	31	51	124	185	-61	0
Clay	2636	455	194	275	164	191	358	466	-108	0
Clayton	3226	419	164	224	79	121	243	345	-102	0
Clinton	8014	1563	272	347	423	732	695	1079	-384	13
Crawford	2747	454	134	151	98	161	232	312	-80	0
Dallas	4326	592	480	554	182	299	662	853	-191	6
Davis	1306	193	77	87	49	44	126	131	-5	0
Decatur	1128	196	104	136	109	120	213	256	-43	0
Delaware	2756	391	180	249	22	48	202	297	-95	7
Des Moines	6538	1439	341	188	420	606	761	794	-33	0
Dickinson	2334	391	329	159	180	265	509	424	85	0
Dubuque	12968	2224	241	384	543	658	784	1042	-258	60
Emmet	1837	267	93	68	74	119	167	187	-20	0
Fayette	3449	438	183	186	96	150	279	336	-57	5
Floyd	2958	425	112	202	70	222	182	424	-242	3
Franklin	1828	267	141	130	56	66	197	196	1	7
Fremont	1283	172	63	39	126	83	189	122	67	0
Greene	1614	222	148	80	58	33	206	113	93	2
Grundy	2290	198	127	141	54	91	181	232	-51	0
Guthrie	1873	241	271	190	96	141	367	331	36	0
Hamilton	2443	663	164	170	70	162	234	332	-98	5
Hancock	1972	209	99	212	74	110	173	322	-149	0
Hardin	3292	387	119	256	104	254	223	510	-287	0
Harrison	2418	304	117	92	122	146	239	238	1	3
Henry	2527	526	267	268	91	245	358	513	-155	7
Howard	1582	190	135	66	49	99	184	165	19	0
Humboldt	1734	341	115	119	69	108	184	227	-43	0
Ida	1319	261	78	171	12	57	90	228	-138	0
Iowa	2410	276	110	179	41	94	151	273	-122	0
Jackson	3507	379	182	131	97	157	279	288	-9	0
Jasper	5689	1050	360	274	195	207	555	481	74	2



Table 3. Nonmovers and Movers Age 45-64 in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	2191	457	116	143	204	210	320	353	-33	9
Johnson	8738	1764	775	569	610	1069	1385	1638	-253	96
Jones	2993	385	203	239	94	105	297	344	-47	0
Keokuk	2009	184	160	168	46	80	206	248	-42	0
Kossuth	3038	374	149	180	97	186	246	366	-120	0
Lee	5959	1309	195	250	342	535	537	785	-248	5
Linn	25255	5032	912	1062	1185	1915	2097	2977	-880	57
Louisa	1984	297	48	106	35	51	83	157	-74	2
Lucas	1537	263	95	145	54	70	149	215	-66	0
Lyon	1763	226	36	50	111	44	147	94	53	0
Madison	1808	305	137	168	108	93	245	261	-16	0
Mahaska	3157	485	193	231	137	164	330	395	-65	2
Marion	4281	776	428	238	254	287	682	525	157	2
Marshall	6345	971	319	389	242	477	561	866	-305	0
Mills	1964	242	203	114	220	166	423	280	143	6
Mitchell	1733	286	75	69	104	85	179	154	25	0
Monona	1777	295	93	79	32	83	125	162	-37	0
Monroe	1201	167	117	78	47	35	164	113	51	0
Montgomery	1812	248	127	122	101	147	228	269	-41	0
Muscatine	5688	953	227	261	249	510	476	771	-295	12
O'Brien	2414	351	152	127	56	142	208	269	-61	0
Osceola	1258	122	38	51	86	53	124	104	20	10
Page	2784	466	162	103	131	209	293	312	-19	7
Palo Alto	1816	244	91	110	27	29	118	139	-21	0
Plymouth	3795	415	180	212	93	184	273	396	-123	5
Pocahontas	1661	228	99	126	57	113	156	239	-83	4
Polk	42682	10450	3153	1767	3123	4760	6276	6527	-251	125
Pottawattamie	12787	2329	368	479	881	1355	1249	1834	-585	2
Poweshiek	2878	429	249	182	112	183	361	365	-4	0
Ringgold	939	112	96	49	79	54	175	103	72	4
Sac	1753	326	116	142	91	68	207	210	-3	0
Scott	20572	4756	766	584	1560	3060	2326	3644	-1318	87
Shelby	2082	307	93	150	39	77	132	227	-95	2
Sioux	4355	539	137	126	132	219	269	345	-76	0
Story	7319	1484	478	546	367	938	845	1484	-639	39
Tama	3030	313	198	269	57	92	255	361	-106	2
Taylor	1074	160	76	124	86	26	162	150	12	5
Union	1923	405	103	135	68	157	171	292	-121	0
Van Buren	1167	240	61	65	83	54	144	119	25	0
Wapello	5652	1079	221	401	323	570	544	971	-427	13
Warren	5685	672	507	612	190	236	697	848	-151	12
Washington	2800	440	166	164	48	143	214	307	-93	0
Wayne	1140	167	78	61	63	59	141	120	21	0
Webster	5856	1316	264	421	239	505	503	926	-423	0
Winnebago	1714	247	93	80	92	67	185	147	38	0
Winneshiek	2880	537	130	108	101	179	231	287	-56	7
Woodbury	12955	3180	478	392	914	1416	1392	1808	-416	48
Worth	1433	124	101	177	19	43	120	220	-100	0
Wright	2327	358	131	109	52	83	183	192	-9	0
State of Iowa	406595	72526	22984	22984	19703	31660	42687	54644	-11957	824

Table 4. Nonmovers and Movers Age 65 or Older in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	1630	199	129	80	23	8	152	88	64	0
Adams	955	78	22	53	2	22	24	75	-51	0
Allamakee	2168	376	87	67	66	42	153	109	44	0
Appanoose	2282	484	112	99	58	132	170	231	-61	10
Audubon	1360	213	76	104	47	28	123	132	-9	0
Benton	3034	452	191	134	46	100	237	234	3	0
Black Hawk	13597	2438	438	420	400	633	838	1053	-215	16
Boone	3473	677	289	251	83	150	372	401	-29	9
Bremer	3137	329	312	165	26	38	338	203	135	2
Buchanan	2791	318	94	179	41	37	135	216	-81	0
Buena Vista	2750	563	217	141	41	128	258	269	-11	0
Butler	2693	371	146	185	21	73	167	258	-91	0
Calhoun	2142	363	162	88	64	35	226	123	103	0
Carroll	2941	645	165	178	58	61	223	239	-16	0
Cass	2515	441	150	119	63	72	213	191	22	0
Cedar	2315	432	138	230	48	104	186	334	-148	0
Cerro Gordo	6118	1174	291	243	291	273	582	516	66	0
Cherokee	2106	321	133	89	51	83	184	172	12	0
Chickasaw	1959	273	109	288	22	27	131	315	-184	5
Clarke	1288	169	63	60	18	18	81	78	3	1
Clay	2334	365	139	188	63	66	202	254	-52	0
Clayton	2891	378	141	156	41	69	182	225	-43	0
Clinton	6660	1140	118	221	219	329	337	550	-213	0
Crawford	2297	494	102	142	32	96	134	238	-104	2
Dallas	3357	552	283	259	148	211	431	470	-39	10
Davis	1273	187	59	99	39	27	98	126	-28	0
Decatur	1344	226	61	108	79	43	140	151	-11	0
Delaware	2113	334	151	135	57	25	208	160	48	0
Des Moines	5643	939	152	159	150	218	302	377	-75	0
Dickinson	2378	346	267	170	104	156	371	326	45	2
Dubuque	9611	1960	217	199	355	364	572	563	9	0
Emmet	1746	277	120	63	40	103	160	166	-6	0
Fayette	3343	638	150	181	52	79	202	260	-58	0
Floyd	2579	545	181	122	44	59	225	181	44	0
Franklin	1871	254	121	117	32	18	153	135	18	0
Fremont	1440	221	72	86	42	100	114	186	-72	0
Greene	1814	309	102	182	37	61	139	243	-104	0
Grundy	2019	226	146	126	19	28	165	154	11	0
Guthrie	1858	305	107	193	26	79	133	272	-139	0
Hamilton	2415	391	104	221	59	62	163	283	-120	0
Hancock	1865	273	96	95	54	40	150	135	15	0
Hardin	3306	494	202	171	47	81	249	252	-3	0
Harrison	2311	369	117	78	71	115	188	193	-5	0
Henry	2452	467	150	102	108	98	258	200	58	0
Howard	1705	307	86	95	25	76	111	171	-60	0
Humboldt	1915	239	94	128	15	24	109	152	-43	0
Ida	1358	227	84	63	25	8	109	71	38	2
Iowa	2270	318	155	128	14	56	169	184	-15	0
Jackson	2702	419	147	85	44	102	191	187	4	0
Jasper	4580	701	191	397	74	153	265	550	-285	0

Table 4. Nonmovers and Movers Age 65 or Older in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	1785	418	91	119	113	58	204	177	27	0
Johnson	5519	903	370	654	355	297	725	951	-226	16
Jones	2539	333	174	195	55	45	229	240	-11	0
Keokuk	2036	256	90	183	28	42	118	225	-107	0
Kossuth	3009	410	76	101	31	90	107	191	-84	0
Lee	5140	942	134	95	220	235	354	330	24	0
Linn	16234	3092	678	483	497	878	1175	1361	-186	25
Louisa	1468	132	80	120	61	18	141	138	3	0
Lucas	1526	237	96	116	14	52	110	168	-58	5
Lyon	1790	241	61	20	57	45	118	65	53	0
Madison	1789	281	116	83	64	61	180	144	36	0
Mahaska	3024	577	165	160	37	132	202	292	-90	0
Marion	3714	714	348	174	83	78	431	252	179	0
Marshall	5320	805	468	279	79	237	547	516	31	0
Mills	1376	290	70	112	76	62	146	174	-28	0
Mitchell	1913	305	125	56	40	30	165	86	79	0
Monona	1848	366	116	79	51	110	167	189	-22	0
Monroe	1339	256	63	100	14	34	77	134	-57	0
Montgomery	2047	408	120	80	62	67	182	147	35	0
Muscatine	4298	670	191	189	153	145	344	334	10	0
O'Brien	2557	409	155	143	68	164	223	307	-84	0
Osceola	1129	188	50	88	39	62	89	150	-61	0
Page	2824	440	166	84	104	155	270	239	31	0
Palo Alto	1698	377	83	91	31	45	114	136	-22	0
Plymouth	3107	484	174	144	51	110	225	254	-29	0
Pocahontas	1723	231	100	119	24	50	124	169	-45	0
Polk	29214	6166	993	1345	1133	2011	2126	3356	-1230	33
Pottawattamie	8929	1663	171	351	292	531	463	882	-419	0
Poweshiek	2287	563	233	164	105	70	338	234	104	0
Ringgold	1027	178	86	48	22	9	108	57	51	0
Sac	2282	279	111	151	33	47	144	198	-54	0
Scott	13883	2081	659	230	665	981	1324	1211	113	10
Shelby	2066	381	172	135	74	88	246	223	23	0
Sioux	3557	637	89	181	126	171	215	352	-137	0
Story	5309	1147	420	280	245	329	665	609	56	12
Tama	2810	392	135	213	43	80	178	293	-115	0
Taylor	1429	188	53	64	46	29	99	93	6	0
Union	1908	399	96	79	61	123	157	202	-45	0
Van Buren	1247	230	59	88	32	72	91	160	-69	0
Wapello	5415	967	183	217	110	192	293	409	-116	0
Warren	2878	533	438	121	96	53	534	174	360	0
Washington	2872	522	186	147	61	83	247	230	17	0
Wayne	1508	232	84	75	32	85	116	160	-44	0
Webster	5681	1030	220	259	175	180	395	439	-44	0
Winnebago	1937	261	52	122	66	53	118	175	-57	2
Winneshiek	2508	505	80	117	116	25	196	142	54	2
Woodbury	11638	2127	174	350	496	642	670	992	-322	41
Worth	1430	178	33	80	27	7	60	87	-27	0
Wright	2511	485	114	114	47	32	161	146	15	2
State of Iowa	339782	59126	16640	16640	10094	14205	26734	30845	-4111	207

Table 5. Net Migration Among Iowa Counties and Between Other States and Iowa Counties by Age Group, 1985 to 1990.

County	Net Migration Among Iowa Counties					Net Migration Between Other States and Iowa Counties				
	Total	5-24	25-44	45-64	65 or Older	Total	5-24	25-44	45-64	65 or Older
Adair	-368	-321	-61	-35	49	-40	-97	45	-3	15
Adams	-26	-29	-3	37	-31	-147	-59	-17	-51	-20
Allamakee	-170	-248	17	41	20	-249	-234	-65	26	24
Appanoose	-308	-286	-79	44	13	-532	-303	-161	6	-74
Audubon	-298	-185	-37	-48	-28	-302	-181	-111	-29	19
Benton	99	-232	291	-17	57	-539	-269	-39	-177	-54
Black Hawk	1119	3967	-2491	-375	18	-8189	-2810	-4177	-969	-233
Boone	-249	-550	301	-38	38	-589	-220	-230	-72	-67
Bremer	159	124	-107	-5	147	-733	-227	-390	-104	-12
Buchanan	-456	-535	94	70	-85	-571	-372	-228	25	4
Buena Vista	223	277	-91	-39	76	-566	-100	-386	7	-87
Butler	-865	-763	-73	10	-39	-450	-267	-95	-36	-52
Calhoun	-424	-490	-12	4	74	-313	-167	-144	-31	29
Carroll	-1248	-836	-243	-156	-13	-470	-261	-196	-10	-3
Cass	-401	-360	-117	45	31	-466	-369	-102	14	-9
Cedar	-73	-169	218	-30	-92	-813	-402	-243	-112	-56
Cerro Gordo	42	-6	-128	128	48	-2127	-850	-918	-377	18
Cherokee	-287	-323	36	-44	44	-500	-286	-75	-107	-32
Chickasaw	-942	-575	-105	-83	-179	-510	-318	-161	-26	-5
Clarke	3	-66	107	-41	3	-121	-60	-41	-20	0
Clay	-309	-119	-60	-81	-49	-446	-309	-107	-27	-3
Clayton	-961	-649	-237	-60	-15	-869	-504	-295	-42	-28
Clinton	-1147	-801	-168	-75	-103	-1853	-904	-530	-309	-110
Crawford	-339	-274	-8	-17	-40	-1044	-598	-319	-63	-64
Dallas	-117	-378	311	-74	24	-672	-466	-26	-117	-63
Davis	-233	-149	-34	-10	-40	-109	-147	21	5	12
Decatur	-228	-80	-69	-32	-47	-95	98	-218	-11	36
Delaware	-998	-741	-204	-69	16	-302	-189	-119	-26	32
Des Moines	-294	-475	35	153	-7	-1381	-755	-372	-186	-68
Dickinson	237	-152	122	170	97	-633	-265	-231	-85	-52
Dubuque	-2507	-1713	-669	-143	18	-1495	-335	-1036	-115	-9
Emmet	-126	44	-252	25	57	-544	-272	-164	-45	-63
Fayette	-625	-489	-102	-3	-31	-894	-409	-404	-54	-27
Floyd	-704	-475	-198	-90	59	-696	-245	-284	-152	-15
Franklin	-395	-343	-67	11	4	-82	-86	0	-10	14
Fremont	-147	-121	-36	24	-14	-239	-214	-10	43	-58
Greene	-664	-398	-254	68	-80	-374	-307	-68	25	-24
Grundy	-322	-381	53	-14	20	-516	-321	-149	-37	-9
Guthrie	-179	-206	32	81	-86	-124	-28	2	-45	-53
Hamilton	-416	-404	111	-6	-117	-381	-75	-211	-92	-3
Hancock	-454	-348	6	-113	1	-478	-233	-223	-36	14
Hardin	-481	-219	-156	-137	31	-777	-344	-249	-150	-34
Harrison	-277	-229	-112	25	39	-218	-218	68	-24	-44
Henry	215	2	166	-1	48	-49	-18	113	-154	10
Howard	-173	-289	56	69	-9	-305	-187	-17	-50	-51
Humboldt	-292	-287	33	-4	-34	-457	-214	-195	-39	-9
Ida	-357	-243	-42	-93	21	-150	-145	23	-45	17
Iowa	-330	-380	92	-69	27	-308	-163	-50	-53	-42
Jackson	-765	-728	-150	51	62	-554	-254	-182	-60	-58
Jasper	-13	-235	342	86	-206	-349	-301	43	-12	-79

Table 5. Net Migration Among Iowa Counties and Between Other States and Iowa Counties by Age Group, 1985 to 1990  
(continued).

County	Net Migration Among Iowa Counties					Net Migration Between Other States and Iowa Counties				
	Total	5-24	25-44	45-64	65 or Older	Total	5-24	25-44	45-64	65 or Older
Jefferson	-604	-399	-150	-27	-28	240	98	93	-6	55
Johnson	9948	10338	-312	206	-284	-5547	2135	-7281	-459	58
Jones	65	-72	194	-36	-21	-98	-112	15	-11	10
Keokuk	-353	-185	-67	-8	-93	-270	-164	-58	-34	-14
Kossuth	-1034	-803	-175	-31	-25	-693	-315	-230	-89	-59
Lee	-711	-574	-121	-55	39	-1657	-887	-562	-193	-15
Linn	1910	54	1811	-150	195	-4597	-2094	-1392	-730	-381
Louisa	-261	-154	-9	-58	-40	126	97	2	-16	43
Lucas	-626	-407	-149	-50	-20	-425	-260	-111	-16	-38
Lyon	-137	-190	26	-14	41	-335	-335	-79	67	12
Madison	197	-108	303	-31	33	12	-38	32	15	3
Mahaska	-157	-35	-89	-38	5	-660	-254	-284	-27	-95
Marion	800	623	-187	190	174	-427	-82	-317	-33	5
Marshall	-985	-720	-384	-70	189	-2112	-1017	-702	-235	-158
Mills	85	-71	109	89	-42	145	-148	225	54	14
Mitchell	-218	-229	-64	6	69	-184	-136	-77	19	10
Monona	-18	-85	16	14	37	-459	-258	-91	-51	-59
Monroe	-188	-135	-55	39	-37	43	20	31	12	-20
Montgomery	-208	-214	-39	5	40	-601	-348	-202	-46	-5
Muscatine	-709	-780	103	-34	2	-987	-430	-304	-261	8
O'Brien	-444	-323	-158	25	12	-602	-286	-134	-86	-96
Osceola	-374	-299	-24	-13	-38	-275	-214	-71	33	-23
Page	369	26	202	59	82	-635	-342	-164	-78	-51
Palo Alto	-655	-366	-262	-19	-8	-314	-145	-153	-2	-14
Plymouth	541	170	373	-32	30	-1067	-636	-281	-91	-59
Pocahontas	-550	-483	-21	-27	-19	-337	-211	-44	-56	-26
Polk	9362	3476	4852	1386	-352	-7341	-1289	-3537	-1637	-878
Pottawattamie	-504	-296	83	-111	-180	-3626	-2104	-809	-474	-239
Poweshiek	10	-199	73	67	69	-198	274	-436	-71	35
Ringgold	-187	-210	-62	47	38	-125	-99	-64	25	13
Sac	-375	-342	33	-26	-40	-249	-193	-65	23	-14
Scott	-170	-1114	333	182	429	-7512	-2484	-3212	-1500	-316
Shelby	-433	-309	-104	-57	37	-391	-310	-29	-38	-14
Sioux	-393	-104	-208	11	-92	-720	4	-592	-87	-45
Story	9297	10669	-1444	-68	140	-7834	155	-7334	-571	-84
Tama	-717	-602	34	-71	-78	-408	-282	-54	-35	-37
Taylor	-424	-248	-117	-48	-11	33	-47	3	60	17
Union	-275	-178	-82	-32	17	-762	-349	-262	-89	-62
Van Buren	-269	-173	-63	-4	-29	-237	-150	-76	29	-40
Wapello	-934	-507	-213	-180	-34	-1365	-543	-493	-247	-82
Warren	1252	419	621	-105	317	-673	-545	-125	-46	43
Washington	-236	-366	89	2	39	-501	-251	-133	-95	-22
Wayne	-9	-61	26	17	9	-247	-161	-37	4	-53
Webster	-922	-603	-123	-157	-39	-1438	-690	-477	-266	-5
Winnebago	37	110	-16	13	-70	-117	-82	-73	25	13
Winneshiek	-121	64	-170	22	-37	-126	484	-623	-78	91
Woodbury	-1037	-514	-433	86	-176	-3718	-1578	-1492	-502	-146
Worth	-233	-144	34	-76	-47	-211	-184	-23	-24	20
Wright	-531	-481	-72	22	0	-269	-132	-121	-31	15
State of Iowa	0	0	0	0	0	-94372	-33178	-45126	-11957	-4111

Table 6. Net migration Between Iowa Counties and Other States by State by Age Group, 1985 to 1990.

State	Total			5-24			25-44			45-64			65 or Older		
	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig
Alabama (AL)	745	1168	-423	323	381	-58	286	570	-284	81	190	-109	55	27	28
Alaska (AK)	732	800	-68	277	431	-154	382	321	61	54	33	21	19	15	4
Arizona (AZ)	5373	15963	-10590	1745	4981	-3236	2511	6703	-4192	639	2840	-2201	478	1439	-961
Arkansas (AR)	2662	4916	-2254	894	1631	-737	975	1418	-443	280	1096	-816	513	771	-258
California (CA)	12861	21628	-8767	4252	8783	-4531	5868	9455	-3587	1435	2227	-792	1306	1163	143
Colorado (CO)	8238	11143	-2905	3101	4070	-969	3876	5346	-1470	998	1233	-235	263	494	-231
Connecticut (CT)	677	1256	-579	253	610	-357	294	556	-262	104	81	23	26	9	17
Delaware (DE)	106	317	-211	53	104	-51	35	190	-155	18	23	-5	0	0	0
Dist. of Col. (DC)	348	551	-203	44	164	-120	227	371	-144	64	16	48	13	0	13
Florida (FL)	4513	13530	-9017	1459	4152	-2693	2133	5398	-3265	370	2452	-2082	551	1528	-977
Georgia (GA)	1696	4349	-2653	667	1791	-1124	829	2089	-1260	136	380	-244	64	89	-25
Hawaii (HI)	760	794	-34	282	443	-161	435	282	153	29	47	-18	14	22	-8
Idaho (ID)	702	1176	-474	322	458	-136	321	467	-146	35	159	-124	24	92	-68
Illinois (IL)	30316	32490	-2174	15749	12080	3669	10637	16556	-5919	2469	2603	-134	1461	1251	210
Indiana (IN)	3754	5828	-2074	1345	2330	-985	1746	2698	-952	456	622	-166	207	178	29
Kansas (KS)	5350	8899	-3549	2058	3505	-1447	2443	4344	-1901	678	796	-118	171	254	-83
Kentucky (KY)	1257	2194	-937	512	961	-449	559	937	-378	121	231	-110	65	65	0
Louisiana (LA)	1694	1047	647	612	388	224	888	428	460	157	175	-18	37	56	-19
Maine (ME)	435	436	-1	177	157	20	174	222	-48	72	56	16	12	1	11
Maryland (MD)	1143	2016	-873	444	743	-299	556	984	-428	115	251	-136	28	38	-10
Massachusetts (MA)	929	1949	-1020	316	810	-494	521	948	-427	59	170	-111	33	21	12
Michigan (MI)	4142	5725	-1583	1751	2174	-423	1683	2881	-1198	517	513	4	191	157	34
Minnesota (MN)	15086	24608	-9522	6861	9846	-2985	6146	11760	-5614	1348	2081	-733	731	921	-190
Mississippi (MS)	1003	858	145	386	381	5	421	302	119	155	149	6	41	26	15
Missouri (MO)	12188	21807	-9619	4828	9266	-4438	5387	8769	-3382	1239	2671	-1432	734	1101	-367
Montana (MT)	1294	1091	203	525	389	136	469	534	-65	264	85	179	36	83	-47

Table 6. Net migration Between Iowa Counties and Other States by State by Age Group, 1985 to 1990 (continued).

State	Total			5-24			25-44			45-64			65 or Older		
	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig
Nebraska (NE)	16719	20773	-4054	6214	9321	-3107	8029	8550	-521	1829	2025	-196	647	877	-230
Nevada (NV)	678	2488	-1810	217	726	-509	323	1109	-786	94	543	-449	44	110	-66
New Hampshire (NH)	320	446	-126	123	158	-35	117	226	-109	49	36	13	31	26	5
New Jersey (NJ)	1256	1762	-506	524	610	-86	465	946	-481	180	151	29	87	55	32
New Mexico (NM)	1271	1871	-600	559	693	-134	588	750	-162	66	307	-241	58	121	-63
New York (NY)	2833	3965	-1132	1096	1535	-439	1348	2092	-744	277	255	22	112	83	29
North Carolina (NC)	1818	4002	-2184	670	1841	-1171	965	1697	-732	154	388	-234	29	76	-47
North Dakota (ND)	1712	1131	581	688	443	245	857	527	330	149	102	47	18	59	-41
Ohio (OH)	3481	5050	-1569	1373	1788	-415	1640	2624	-984	333	544	-211	135	94	41
Oklahoma (OK)	3939	3458	481	1541	1472	69	1874	1367	507	357	426	-69	167	193	-26
Oregon (OR)	1320	1957	-637	526	608	-82	555	833	-278	147	325	-178	92	191	-99
Pennsylvania (PA)	1819	2762	-943	762	950	-188	716	1536	-820	282	246	36	59	30	29
Rhode Island (RI)	114	290	-176	49	144	-95	49	146	-97	16	0	16	0	0	0
South Carolina (SC)	902	1645	-743	315	750	-435	462	689	-227	111	159	-48	14	47	-33
South Dakota (SD)	6189	6929	-740	2541	3580	-1039	2731	2520	211	563	515	48	354	314	40
Tennessee (TN)	1344	2933	-1589	413	1023	-610	669	1321	-652	216	443	-227	46	146	-100
Texas (TX)	14599	15590	-991	5590	5460	130	7204	7141	63	1342	1860	-518	463	1129	-666
Utah (UT)	1243	1274	-31	518	614	-96	534	546	-12	155	83	72	36	31	5
Vermont (VT)	161	224	-63	68	72	-4	77	139	-62	12	0	12	4	13	-9
Virginia (VA)	2229	3805	-1576	816	1758	-942	1136	1740	-604	208	214	-6	69	93	-24
Washington (WA)	2277	5218	-2941	892	1855	-963	937	2595	-1658	332	481	-149	116	287	-171
West Virginia (WV)	235	496	-261	128	222	-94	90	222	-132	6	44	-38	11	8	3
Wisconsin (WI)	8749	13038	-4289	3676	5067	-1391	3893	6350	-2457	814	1236	-422	366	385	-19
Wyoming (WY)	1086	1024	62	389	383	6	516	508	8	118	97	21	63	36	27
Total Other States	194298	288670	-94372	78924	112102	-33178	85577	130703	-45126	19703	31660	-11957	10094	14205	-4111

A majority of counties (61) had net declines among those aged 25-44. Black Hawk (-2,491) and Story (-1,444) each reported net losses greater than 1,000, while Linn (+1,811) and Polk (+4,852) increased by at least that much. Net declines occurred in the 45-64 age category in 60 counties; Black Hawk decreased by 375 while Polk increased by 1,386 in this age group. Forty-seven counties experienced net losses in the oldest age group (65 or older) while net gains occurred in 51 counties (Figure 2).

### Migration From and To Other States

More persons (86,000) moving to Iowa from other states between 1985 and 1990 were 25-44 years of age than any other age group (5-24, 79,000; 45-64, 20,000; 65+, 10,000) (Tables 1-4). For 77 counties, the most state-to-state immigrants were in the 25-44 age group as well. Two counties (Audubon, Ringgold) had fewer than 100 move in, but four (Johnson, Linn, Polk, Scott) reported at least 5,000 residents aged 25-44 in 1990 who had lived in other states in 1985. The fewest immigrants from other states were 65 years of age or older in 85 counties.

Persons aged 25-44 also constituted the largest group (131,000) of outmigrants to other states, followed by 112,000 persons aged 5-24 (Tables 1-4). Those 45-64 and 65 or older were 32,000 and 14,000, respectively, of Iowa's migrants to other states in the 1985 to 1990 comparison. While the statewide figures show the 25-44 age group to have the most state-to-state outmigrants, at the county level only 33 counties had their highest losses from that group. For four of those counties, the numbers of outmigrants were substantial (Johnson, -13,210; Polk, -17,110; Scott, -11,574; Story, -10,285). The other 66 counties experienced more loss among those aged 5-24, although the decline exceeded 10,000 in the age group only in Polk. The smallest numbers of migrants to other states were 65 or older in 87 counties.

Outmigrants to other states exceeded immigrants in all four age groups both statewide and in a majority of the counties (Table 5). The net loss was highest for persons aged 25-44 (-45,000), substantial for those 5-24 (-33,000), and lower for the other two age groups (45-64, -12,000; 65+, -4,000). Only nine counties (Decatur, Jefferson, Johnson, Louisa, Monroe, Poweshiek, Sioux, Story, Winneshiek) had net state-to-state immigration among persons aged 5-24. Somewhat higher numbers of counties had net immigration in the other age groups (25-44, 14; 46-64, 20; 65+, 31).

At least 2,000 persons aged 5-24 came to Iowa from each of 10 states between 1985 and 1990 (Table 6). Those from Illinois (15,749) far outnumbered the 6,000 from both Minnesota and Nebraska, the next two highest states. The Illinois immigrants were 20.0 percent of all immigrants to Iowa in that age group during that time period. There were twelve states from which 2,000 or more persons aged 25-44 came to Iowa; once again the largest number (10,637), came from Illinois. This pattern continued for the two other age groups. Illinois was the only state from which at least 2,000 immigrants aged 45-64 came; that state had the highest number (1,461) 65 or older coming to Iowa as well.

By 1990, seven states received 5,000 or more Iowans aged 5-24 who had lived here in 1985 (Table 6). Especially large numbers (9,000+) left for Minnesota, Missouri, and Nebraska; 12,000 moved to Illinois. At least 5,000 Iowans aged 25-44 went to 10 states during the period, Illinois (16,600) and Minnesota (11,800) gaining the most. No state received 5,000 Iowans of the next older group (45-64) but 2,000-3,000 moved to Arizona, California, Florida, Illinois, Minnesota, Missouri, and Nebraska. Among those at least 65, more went to Florida (1,500) and Arizona (1,400) than to any other state. Four other states (California, Illinois, Missouri, Texas) also received more than 1,000 in this age group.

State-to-state migration among those 5-24 yielded net gains from nine states for Iowa (Figure 3). The net gain of nearly 3,700 from Illinois was far larger than those for the other eight states; indeed, this was the largest net gain from any state for any age group. Net losses of at least 2,000 Iowans 5-24 occurred to six states. The pattern of larger net losses to most states and small net gains with a few states continued for the older age groups as well. The oldest group, however, did have net gains from 20 states. Iowa experienced net out migration across all four age groups to 19 states and the District of Columbia (Figure 4).

**Note:** See the note concluding the previous section for additional details on migration.



Figure 1. Net migration among Iowa counties for residents  
5-24 years of age, 1985-1990.

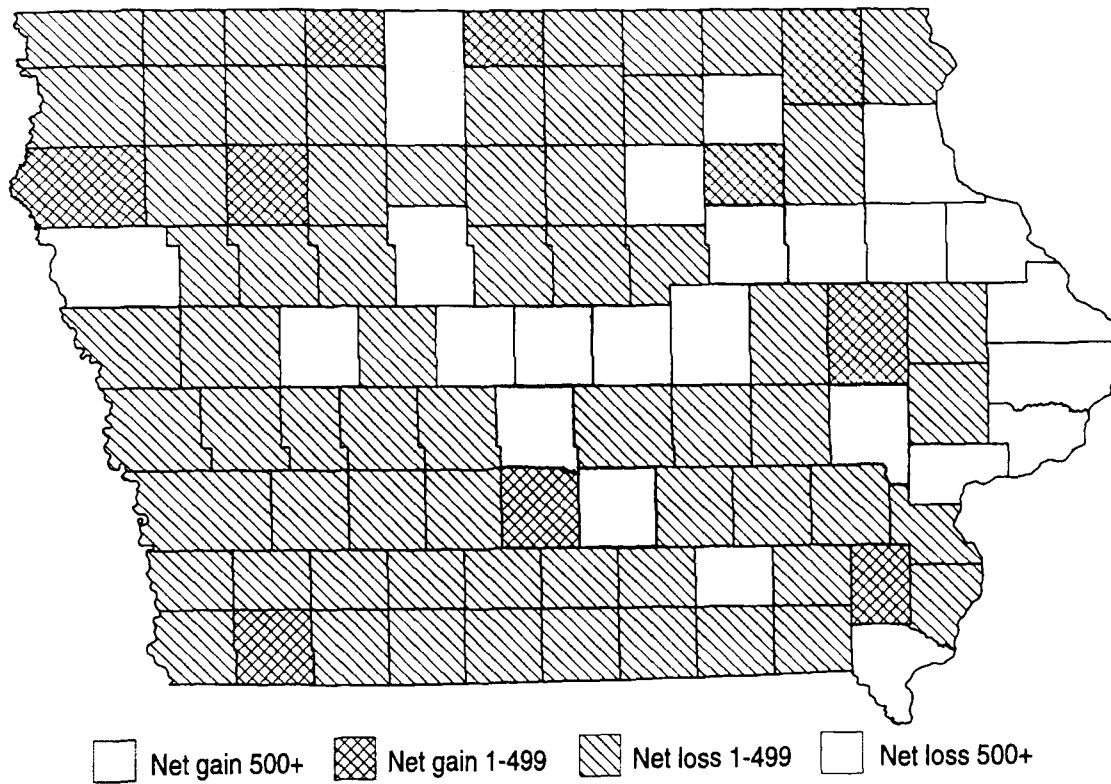


Figure 2. Net migration among Iowa counties for residents  
65 years of age or older, 1985-1990.

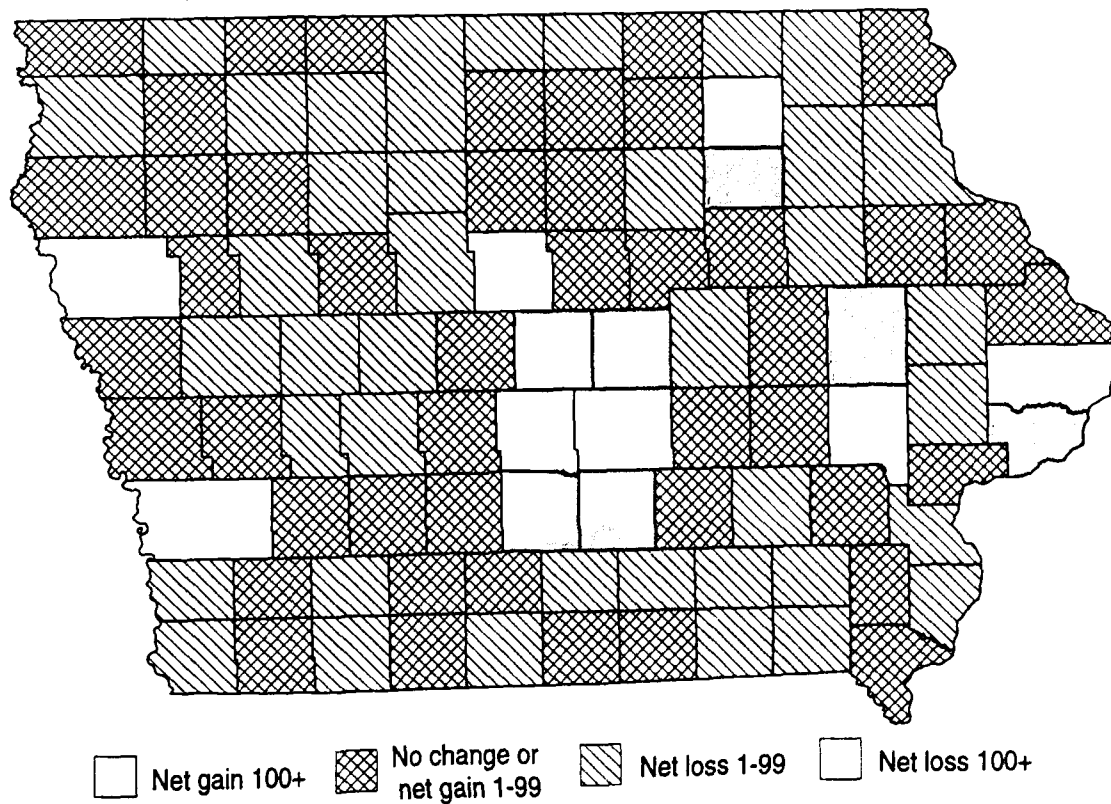


Figure 3. Net migration between Iowa and other states for residents 5-24 years of age, 1985-1990.

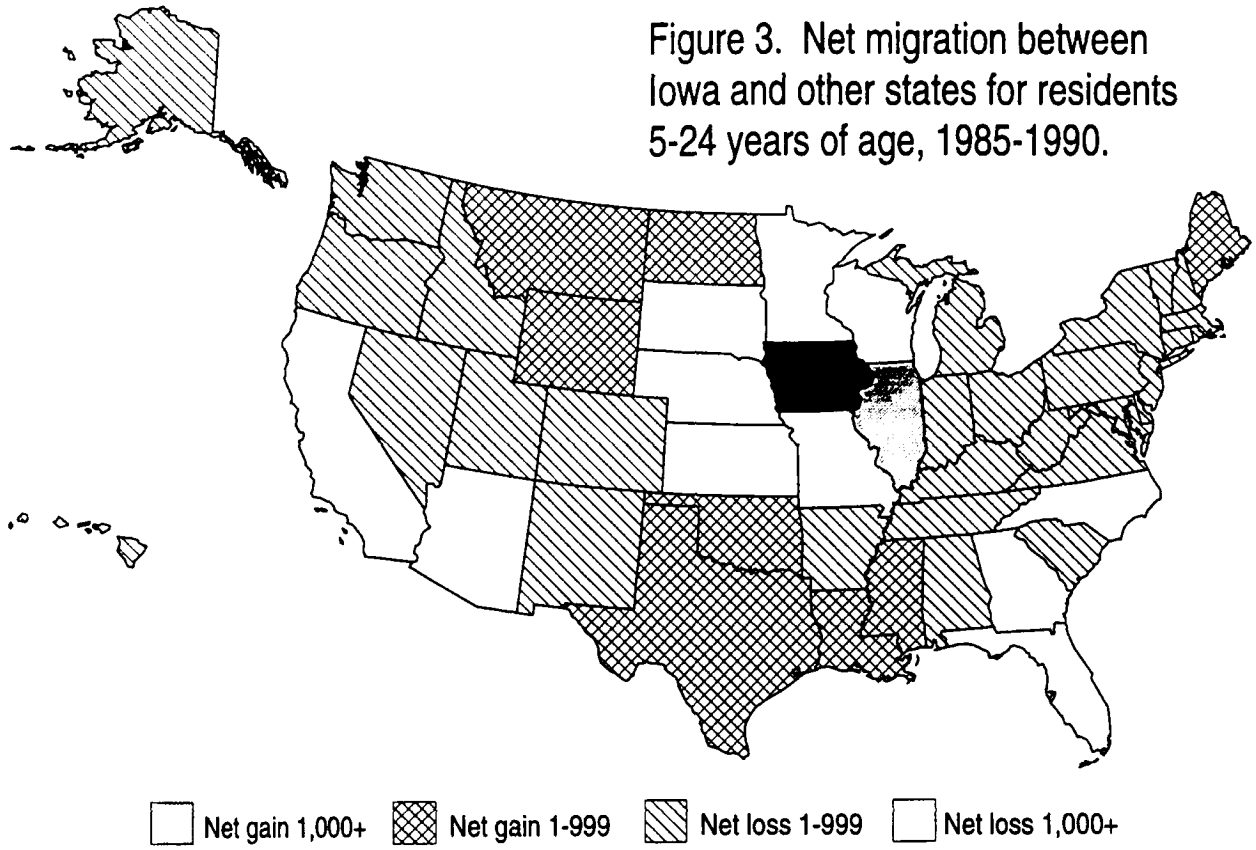
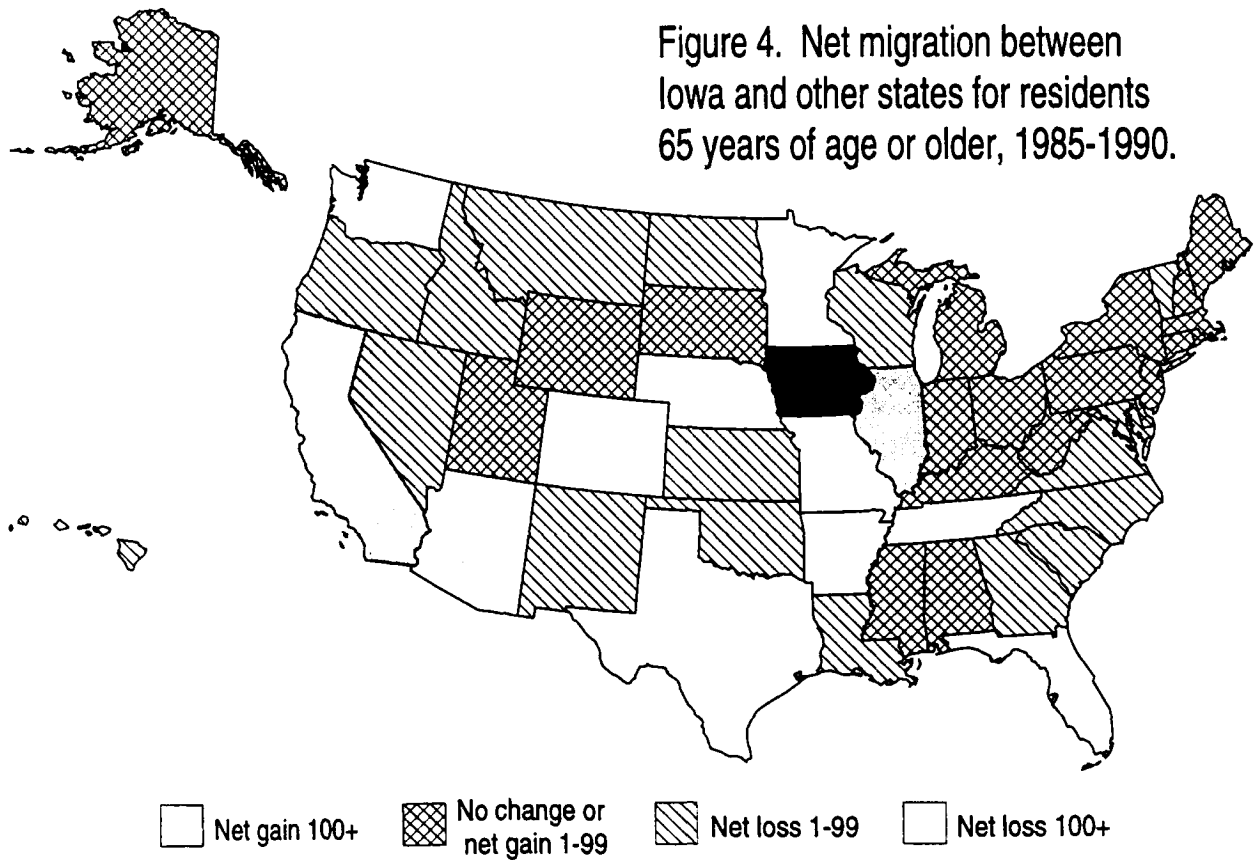


Figure 4. Net migration between Iowa and other states for residents 65 years of age or older, 1985-1990.



## Migration by Education Categories in Iowa's Counties:

### 1985 to 1990

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Education was one of the characteristics of individuals gathered in the 1990 census. Another question provided information on the extent of residential mobility of the population between 1985 and 1990. This item asked for the state (or foreign country), county, and place of residence on 1 April 1985 for those who lived in a different house than their 1 April 1990 residence. This allows for the determination of those who lived in the same county at both the mid-point and the end of the decade, a different county but still in Iowa, a different state, or abroad. For determining residence five years earlier, only people five years of age or older at the time of the census were included in the tabulations. In this section, migration is reported for four education categories (completed less than high school, completed high school but no additional education, completed some college or an associate degree but no more education, completed a bachelor's degree or more education). The census bureau reported migration by education only for those at least 18 years of age in 1990.

#### Nonmovers and Movers Within the County

For persons 18 years or older living in Iowa and each of its counties in 1990, the largest number had not moved when 1985 and 1990 were compared (Table 1). Nonmovers also had the largest number within each education group both statewide and in all the counties (Tables 2-5). Persons who moved but stayed in the same county were fewer in number than the nonmovers; but those moving within the county generally outnumbered those who moved in from other counties. For persons with at least a bachelor's degree, however, 38 counties had more moving in from other counties than those who moved within the county.

#### County-to-County Migration Within Iowa

Between 1985 and 1990, 215,000 of those 18 and over moved from one Iowa county to another (Table 1). Among these were 24,000 who had not completed high school and 56,000 who finished high school but did not go beyond that level (Tables 2, 3). About 91,000—the largest number among the four education categories—of those moving across county lines within Iowa were those who had some college, while 44,000 of the county-to-county migrants had bachelor's degrees or additional education (Tables 4, 5).

At the level of the counties, 52 had more immigrants moving from other counties by 1990 who had finished high school than those of any other education level. For 46 counties, the largest immigrant education group was those with some college. Numbers in this group were especially high for four counties (Black Hawk, 7,645; Johnson, 10,982; Polk, 10,332; Story, 11,841), three of which have state universities. Only Mills had those with less than high school as its biggest immigrant group and no county had the largest group from those with bachelor's degrees.

In 93 counties, the largest group of outmigrants to other Iowa counties was that for residents with some college. These were persons who had lived in the county in 1985 but had moved to another by 1990. Six counties, however, were different. In Adams, Clarke, Monona, and Monroe, more outmigrants had high school diplomas than any other level of education. And in Johnson and Story, college graduates constituted the largest group of outmigrants, a factor related to the major universities located within these counties.

Fifty counties had a net loss to other counties of persons with less than a high school education; the remaining 49 counties had net increases (Table 6). Change for those with less than high school was

Table 1. Total Nonmovers and Movers Age 18 or Older in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	4225	1132	660	904	276	303	936	1207	-271	18
Adams	2595	498	426	476	165	302	591	778	-187	3
Allamakee	6851	1916	767	933	508	724	1275	1657	-382	12
Appanoose	6492	2178	805	1088	755	1130	1560	2218	-658	59
Audubon	3869	904	514	813	167	371	681	1184	-503	4
Benton	10744	2824	1981	2141	660	1213	2641	3354	-713	26
Black Hawk	51608	23521	11771	9854	5229	12278	17000	22132	-5132	531
Boone	11846	3853	2317	2493	929	1539	3246	4032	-786	35
Bremer	10795	2550	2505	2399	1047	1690	3552	4089	-537	128
Buchanan	9580	2844	1511	1998	481	943	1992	2941	-949	7
Buena Vista	8434	2742	2390	2270	1119	1596	3509	3866	-357	132
Butler	8268	1970	1084	1765	271	652	1355	2417	-1062	1
Calhoun	5762	1405	1064	1369	382	687	1446	2056	-610	3
Carroll	10080	3306	1103	2214	600	1003	1703	3217	-1514	14
Cass	7279	2306	1005	1370	601	947	1606	2317	-711	25
Cedar	8391	2329	1555	1768	457	1023	2012	2791	-779	6
Cerro Gordo	21000	8412	3850	3675	1846	3808	5696	7483	-1787	44
Cherokee	6695	2240	908	1212	429	919	1337	2131	-794	18
Chickasaw	6828	1674	791	1606	239	643	1030	2249	-1219	9
Clarke	3829	1334	710	753	231	366	941	1119	-178	10
Clay	7683	2582	1457	1772	929	1381	2386	3153	-767	31
Clayton	9719	2388	1168	1995	446	1203	1614	3198	-1584	12
Clinton	23490	9257	1931	3105	2587	4237	4518	7342	-2824	80
Crawford	7889	2517	1112	1520	579	1411	1691	2931	-1240	21
Dallas	12955	3749	3418	3644	1255	1852	4673	5496	-823	94
Davis	3995	1180	506	675	328	415	834	1090	-256	8
Decatur	3594	1269	592	771	899	860	1491	1631	-140	44
Delaware	8476	2485	1155	2071	323	648	1478	2719	-1241	7
Des Moines	19284	8062	1808	2133	2341	3614	4149	5747	-1598	119
Dickinson	7068	2112	1359	1151	861	1458	2220	2609	-389	20
Dubuque	38810	15700	3007	5553	4898	6226	7905	11779	-3874	461
Emmet	5446	1594	871	1056	580	1057	1451	2113	-662	5
Fayette	10610	2976	1715	2278	685	1432	2400	3710	-1310	27
Floyd	8259	2633	1213	1857	530	1137	1743	2994	-1251	5
Franklin	5710	1559	873	1262	319	420	1192	1682	-490	38
Fremont	4041	1087	438	571	481	720	919	1291	-372	17
Greene	5171	1340	746	1337	285	578	1031	1915	-884	17
Grundy	6403	1264	1079	1489	218	630	1297	2119	-822	2
Guthrie	5593	1180	1078	1208	366	557	1444	1765	-321	0
Hamilton	7456	2794	1318	1798	449	862	1767	2660	-893	38
Hancock	6114	1620	1011	1462	311	674	1322	2136	-814	18
Hardin	9352	2671	1590	2222	635	1342	2225	3564	-1339	36
Harrison	7161	2050	720	1007	842	1144	1562	2151	-589	26
Henry	8114	2939	2110	1674	1154	1309	3264	2983	281	119
Howard	4914	1264	706	895	314	646	1020	1541	-521	0
Humboldt	5405	1580	743	1058	260	594	1003	1652	-649	12
Ida	4129	1062	574	864	219	331	793	1195	-402	8
Iowa	7499	2019	1075	1414	262	547	1337	1961	-624	8
Jackson	9844	2878	1078	1709	529	1000	1607	2709	-1102	36
Jasper	16235	5929	2544	2847	1109	1487	3653	4334	-681	41

Table 1. Total Nonmovers and Movers Age 18 or Older in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	6793	2841	772	1288	1538	1410	2310	2698	-388	355
Johnson	27014	16611	17884	8247	12622	17381	30506	25628	4878	2789
Jones	9165	2448	2064	2138	690	790	2754	2928	-174	27
Keokuk	6169	1344	790	1168	290	535	1080	1703	-623	0
Kossuth	9482	2371	873	1802	599	1220	1472	3022	-1550	33
Lee	17748	7450	1486	2049	1999	3398	3485	5447	-1962	59
Linn	69545	34039	12400	10411	9444	13377	21844	23788	-1944	779
Louisa	5709	1322	867	1069	493	421	1360	1490	-130	71
Lucas	4432	1428	724	1086	260	577	984	1663	-679	7
Lyon	5941	1288	402	567	678	1034	1080	1601	-521	7
Madison	5634	1658	1204	1201	578	614	1782	1815	-33	36
Mahaska	9736	3331	1821	1939	954	1451	2775	3390	-615	65
Marion	12640	4938	3196	2550	1399	1808	4595	4358	237	98
Marshall	18133	6527	2655	3527	1316	3026	3971	6553	-2582	52
Mills	5806	1563	1171	1076	989	962	2160	2038	122	20
Mitchell	5360	1728	597	905	372	596	969	1501	-532	4
Monona	4965	1570	675	764	308	752	983	1516	-533	8
Monroe	4045	1237	496	638	250	237	746	875	-129	13
Montgomery	5659	1870	835	1002	700	1184	1535	2186	-651	10
Muscatine	17607	7043	1920	2719	1982	2845	3902	5564	-1662	147
O'Brien	7514	1992	1121	1537	633	1182	1754	2719	-965	2
Osceola	3674	917	280	562	383	560	663	1122	-459	10
Page	8120	2469	1157	923	844	1416	2001	2339	-338	49
Palo Alto	5183	1512	763	1264	369	719	1132	1983	-851	15
Plymouth	11109	2933	1812	1637	755	1690	2567	3327	-760	46
Pocahontas	5011	1075	727	1205	221	566	948	1771	-823	9
Polk	121841	72486	26252	17404	23159	29911	49411	47315	2096	1494
Pottawattamie	36712	14999	2698	3301	5413	8523	8111	11824	-3713	204
Poweshiek	8225	2983	1645	1817	1455	1690	3100	3507	-407	58
Ringgold	2818	681	357	483	244	334	601	817	-216	16
Sac	6269	1469	920	1344	369	581	1289	1925	-636	8
Scott	59388	28798	5831	5897	13605	19918	19436	25815	-6379	1019
Shelby	6639	1714	824	1296	441	870	1265	2166	-901	10
Sioux	13148	4275	1538	1846	1834	2453	3372	4299	-927	169
Story	21753	11142	16575	7701	7312	13962	23887	21663	2224	2762
Tama	9045	2203	1157	2001	448	918	1605	2919	-1314	24
Taylor	3571	988	376	671	341	374	717	1045	-328	13
Union	5896	2128	975	1220	417	1052	1392	2272	-880	34
Van Buren	3692	1171	520	840	314	476	834	1316	-482	10
Wapello	16687	6338	2360	3011	1702	2849	4062	5860	-1798	53
Warren	15400	4192	5001	4144	1197	1885	6198	6029	169	74
Washington	9371	2813	1575	1909	609	1103	2184	3012	-828	41
Wayne	3593	971	531	611	322	547	853	1158	-305	3
Webster	17848	7384	2671	3358	1848	2925	4519	6283	-1764	54
Winnebago	5914	1467	967	1050	620	768	1587	1818	-231	52
Winneshiek	9077	3035	1646	1676	1819	1914	3465	3590	-125	117
Woodbury	39973	18655	4112	4877	7420	10436	11532	15313	-3781	674
Worth	4355	801	623	882	224	366	847	1248	-401	2
Wright	7140	2162	981	1427	491	786	1472	2213	-741	2
State of Iowa	1206139	468038	215539	215539	153656	236301	369195	451840	-82645	14039

Table 2. Nonmovers and Movers Age 18 and Older With Less than a High School Education in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	1036	177	154	98	61	30	215	128	87	0
Adams	680	81	66	58	17	24	83	82	1	0
Allamakee	1671	483	158	72	94	77	252	149	103	0
Appanoose	1863	633	175	195	156	130	331	325	6	16
Audubon	1124	220	135	75	24	9	159	84	75	0
Benton	2552	599	355	253	85	152	440	405	35	16
Black Hawk	11714	4090	514	856	682	1089	1196	1945	-749	38
Boone	2583	693	317	330	106	148	423	478	-55	0
Bremer	2492	488	322	236	61	146	383	382	1	8
Buchanan	2309	634	224	253	122	69	346	322	24	3
Buena Vista	1645	467	310	244	132	71	442	315	127	96
Butler	2462	459	254	253	66	9	320	262	58	0
Calhoun	1283	282	197	82	77	54	274	136	138	0
Carroll	2867	638	162	188	74	101	236	289	-53	6
Cass	1439	428	199	188	105	55	304	243	61	0
Cedar	1787	602	200	293	87	78	287	371	-84	0
Cerro Gordo	4358	1351	474	366	207	299	681	665	16	7
Cherokee	1334	397	182	120	50	85	232	205	27	0
Chickasaw	1715	424	166	306	27	18	193	324	-131	5
Clarke	956	247	132	115	34	41	166	156	10	1
Clay	1272	433	129	179	107	110	236	289	-53	0
Clayton	2615	538	208	241	95	112	303	353	-50	0
Clinton	5595	1996	298	282	428	545	726	827	-101	13
Crawford	2350	603	157	166	137	162	294	328	-34	0
Dallas	2449	692	394	468	177	187	571	655	-84	11
Davis	1142	344	121	144	109	93	230	237	-7	0
Decatur	1071	321	106	173	112	43	218	216	2	0
Delaware	2022	414	145	246	58	52	203	298	-95	0
Des Moines	4035	1936	301	312	355	367	656	679	-23	19
Dickinson	1260	335	169	152	97	102	266	254	12	2
Dubuque	9728	2885	297	284	348	383	645	667	-22	22
Emmet	1268	330	127	140	97	115	224	255	-31	0
Fayette	2596	699	172	232	131	154	303	386	-83	0
Floyd	1817	521	238	178	128	84	366	262	104	0
Franklin	1216	288	166	138	45	36	211	174	37	0
Fremont	876	256	128	69	83	97	211	166	45	3
Greene	1006	268	120	157	75	53	195	210	-15	2
Grundy	1474	209	131	221	46	24	177	245	-68	0
Guthrie	1256	313	161	234	81	52	242	286	-44	0
Hamilton	1594	594	202	251	73	33	275	284	-9	0
Hancock	1463	282	115	122	67	25	182	147	35	0
Hardin	2197	512	247	255	71	89	318	344	-26	0
Harrison	1831	415	174	132	91	139	265	271	-6	2
Henry	1835	525	393	259	189	171	582	430	152	29
Howard	1456	303	125	171	52	76	177	247	-70	0
Humboldt	1222	187	114	157	33	34	147	191	-44	2
Ida	1003	248	165	118	26	9	191	127	64	0
Iowa	1940	420	112	212	17	27	129	239	-110	0
Jackson	2879	667	193	173	113	142	306	315	-9	2
Jasper	3969	1306	368	380	153	193	521	573	-52	2

Table 2. Nonmovers and Movers Age 18 and Older With Less than a High School Education in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	1413	499	164	234	127	120	291	354	-63	0
Johnson	3616	1236	631	474	402	413	1033	887	146	109
Jones	2013	477	416	317	105	89	521	406	115	0
Keokuk	1434	263	211	164	85	56	296	220	76	0
Kossuth	2195	417	122	154	72	112	194	266	-72	0
Lee	4190	1635	247	255	415	461	662	716	-54	8
Linn	12491	4704	753	769	697	935	1450	1704	-254	96
Louisa	1335	309	159	188	161	59	320	247	73	31
Lucas	1084	347	156	182	62	104	218	286	-68	0
Lyon	1879	284	71	41	142	89	213	130	83	1
Madison	1189	323	171	168	98	45	269	213	56	2
Mahaska	2580	778	337	305	117	161	454	466	-12	20
Marion	3742	1048	493	325	213	166	706	491	215	2
Marshall	3448	1177	492	340	196	378	688	718	-30	17
Mills	1498	336	385	255	175	105	560	360	200	3
Mitchell	1422	296	150	98	70	27	220	125	95	0
Monona	1402	409	120	81	70	103	190	184	6	0
Monroe	1001	317	96	113	67	33	163	146	17	6
Montgomery	1273	368	127	130	67	144	194	274	-80	0
Muscatine	4345	1941	353	397	493	425	846	822	24	111
O'Brien	2206	382	206	235	96	122	302	357	-55	0
Osceola	1075	208	55	116	77	47	132	163	-31	0
Page	1799	639	219	150	187	147	406	297	109	4
Palo Alto	1297	346	89	100	73	27	162	127	35	2
Plymouth	2740	557	173	129	64	121	237	250	-13	0
Pocahontas	1047	210	152	122	37	50	189	172	17	0
Polk	21716	10649	1761	1966	2146	2655	3907	4621	-714	404
Pottawattamie	9343	3308	289	580	1001	1121	1290	1701	-411	65
Poweshiek	1642	549	199	180	52	92	251	272	-21	6
Ringgold	700	118	59	40	30	32	89	72	17	2
Sac	1540	300	161	147	76	16	237	163	74	2
Scott	12563	5417	694	520	1463	2068	2157	2588	-431	203
Shelby	1509	371	134	156	55	106	189	262	-73	0
Sioux	4034	825	186	216	168	212	354	428	-74	0
Story	2441	932	370	255	163	331	533	586	-53	79
Tama	2364	485	182	272	68	71	250	343	-93	7
Taylor	973	198	83	72	74	39	157	111	46	5
Union	1371	416	121	103	48	69	169	172	-3	0
Van Buren	935	325	119	95	87	91	206	186	20	2
Wapello	4629	1613	317	413	222	305	539	718	-179	0
Warren	2278	526	551	413	132	146	683	559	124	6
Washington	2299	565	336	179	90	162	426	341	85	23
Wayne	1060	249	145	74	48	88	193	162	31	0
Webster	4323	1491	263	459	152	291	415	750	-335	0
Winnebago	1409	255	95	115	91	71	186	186	0	5
Winneshiek	2424	553	81	208	49	77	130	285	-155	20
Woodbury	9284	3980	445	484	1449	1396	1894	1880	14	394
Worth	1004	157	95	143	39	16	134	159	-25	0
Wright	1745	457	174	121	67	79	241	200	41	0
State of Iowa	269607	85478	23880	23880	17999	20467	41879	44347	-2468	1940

Table 3. Nonmovers and Movers Age 18 and Older Who Completed High School in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	1934	545	254	263	89	102	343	365	-22	0
Adams	1195	195	174	188	44	79	218	267	-49	3
Allamakee	3382	877	264	326	216	199	480	525	-45	6
Appanoose	2564	879	266	312	252	323	518	635	-117	15
Audubon	1703	412	146	235	75	90	221	325	-104	0
Benton	5020	1247	669	694	248	397	917	1091	-174	3
Black Hawk	20850	9377	1832	2199	1539	2884	3371	5083	-1712	74
Boone	4929	1697	727	709	288	381	1015	1090	-75	16
Bremer	4600	1026	722	702	241	390	963	1092	-129	34
Buchanan	4437	1413	642	651	128	435	770	1086	-316	2
Buena Vista	3407	1101	797	710	354	403	1151	1113	38	15
Butler	3474	836	370	565	69	239	439	804	-365	1
Calhoun	2505	603	433	382	102	182	535	564	-29	1
Carroll	4244	1384	380	611	155	289	535	900	-365	2
Cass	3371	1102	318	353	182	321	500	674	-174	13
Cedar	3708	996	583	397	124	317	707	714	-7	0
Cerro Gordo	7444	2831	1070	745	580	983	1650	1728	-78	21
Cherokee	3093	995	378	346	176	288	554	634	-80	8
Chickasaw	3286	718	287	449	111	205	398	654	-256	4
Clarke	1822	649	303	262	92	144	395	406	-11	9
Clay	3387	1015	460	565	246	418	706	983	-277	17
Clayton	4605	1199	461	630	151	512	612	1142	-530	2
Clinton	9842	3712	521	861	851	1499	1372	2360	-988	14
Crawford	3585	1211	455	480	266	428	721	908	-187	13
Dallas	5518	1668	1043	1155	396	634	1439	1789	-350	64
Davis	1682	447	158	189	109	107	267	296	-29	0
Decatur	1492	514	223	246	177	210	400	456	-56	8
Delaware	4093	1256	488	613	91	233	579	846	-267	0
Des Moines	8129	2957	634	495	832	968	1466	1463	3	17
Dickinson	2899	781	429	315	268	374	697	689	8	11
Dubuque	16731	6710	637	1085	1380	1638	2017	2723	-706	119
Emmet	2174	646	270	299	180	335	450	634	-184	0
Fayette	4741	1375	567	694	231	487	798	1181	-383	15
Floyd	3624	1111	427	592	158	257	585	849	-264	2
Franklin	2209	692	317	320	115	137	432	457	-25	4
Fremont	1759	409	149	196	190	189	339	385	-46	0
Greene	2339	588	269	390	88	114	357	504	-147	6
Grundy	2801	589	353	356	34	168	387	524	-137	0
Guthrie	2662	449	455	353	152	213	607	566	41	0
Hamilton	3140	1052	374	475	145	311	519	786	-267	27
Hancock	2447	686	347	436	87	213	434	649	-215	3
Hardin	3752	1028	415	545	208	395	623	940	-317	6
Harrison	3334	869	248	339	299	430	547	769	-222	5
Henry	3222	1272	784	467	298	363	1082	830	252	13
Howard	2245	599	254	249	105	219	359	468	-109	0
Humboldt	2298	779	281	249	104	166	385	415	-30	10
Ida	1900	465	193	232	60	136	253	368	-115	8
Iowa	3363	924	420	401	86	198	506	599	-93	0
Jackson	4376	1391	409	483	164	325	573	808	-235	10
Jasper	7310	2728	961	819	338	395	1299	1214	85	22



Table 3. Nonmovers and Movers Age 18 and Older Who Completed High School in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	2884	732	236	362	233	195	469	557	-88	35
Johnson	7565	3256	2273	1251	1147	1306	3420	2557	863	192
Jones	4051	1229	787	663	303	247	1090	910	180	9
Keokuk	2899	675	275	415	96	130	371	545	-174	0
Kossuth	3974	920	255	483	171	375	426	858	-432	13
Lee	7807	3384	621	589	729	1254	1350	1843	-493	26
Linn	26570	11595	2506	2391	2263	2944	4769	5335	-566	146
Louisa	2623	598	344	343	188	159	532	502	30	18
Lucas	2244	676	259	331	120	166	379	497	-118	0
Lyon	2414	513	153	112	225	311	378	423	-45	2
Madison	2607	845	385	414	247	163	632	577	55	26
Mahaska	4193	1419	547	583	285	294	832	877	-45	14
Marion	5230	2153	742	717	382	375	1124	1092	32	34
Marshall	7300	2554	792	809	334	830	1126	1639	-513	9
Mills	2340	665	355	321	343	303	698	624	74	11
Mitchell	2278	893	188	213	114	155	302	368	-66	4
Monona	2205	808	242	295	105	225	347	520	-173	0
Monroe	1783	550	235	219	65	60	300	279	21	7
Montgomery	2495	849	324	301	262	414	586	715	-129	7
Muscatine	6968	2627	705	723	540	697	1245	1420	-175	21
O'Brien	2876	714	288	415	200	261	488	676	-188	0
Osceola	1547	377	81	121	78	178	159	299	-140	0
Page	3480	1004	442	291	283	425	725	716	9	22
Palo Alto	1986	546	250	337	118	156	368	493	-125	2
Plymouth	4646	1231	479	345	241	420	720	765	-45	13
Pocahontas	2044	444	249	328	80	193	329	521	-192	2
Polk	44354	23528	5821	4512	4979	6015	10800	10527	273	304
Pottawattamie	15250	6376	820	1046	1774	2623	2594	3669	-1075	65
Poweshiek	4001	1425	491	546	288	270	779	816	-37	30
Ringgold	1269	313	116	148	77	85	193	233	-40	6
Sac	2573	650	327	347	134	154	461	501	-40	4
Scott	20603	9842	1333	1221	3094	4822	4427	6043	-1616	232
Shelby	3104	790	240	291	96	229	336	520	-184	2
Sioux	4646	1468	389	409	433	391	822	800	22	26
Story	6556	2623	1984	970	828	948	2812	1918	894	231
Tama	3998	922	402	590	149	212	551	802	-251	8
Taylor	1672	466	144	220	158	114	302	334	-32	2
Union	2502	877	301	363	140	305	441	668	-227	16
Van Buren	1804	572	187	222	111	97	298	319	-21	4
Wapello	6792	2613	862	940	599	885	1461	1825	-364	17
Warren	7070	1824	1563	1422	354	499	1917	1921	-4	38
Washington	4108	1387	457	615	220	293	677	908	-231	14
Wayne	1642	444	177	186	152	177	329	363	-34	3
Webster	7069	2816	855	829	464	742	1319	1571	-252	26
Winnebago	2054	550	252	338	212	221	464	559	-95	10
Winneshiek	3798	1356	532	362	352	336	884	698	186	46
Woodbury	15718	7147	962	1189	2265	2770	3227	3959	-732	119
Worth	1707	320	208	224	85	111	293	335	-42	2
Wright	2793	886	300	363	137	227	437	590	-153	0
State of Iowa	490719	178457	56353	56353	39127	55485	95480	111838	-16358	2441

Table 4. Nonmovers and Movers Age 18 and Older Who Completed Some College in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	882	316	156	388	105	87	261	475	-214	10
Adams	525	176	124	178	67	146	191	324	-133	0
Allamakee	1241	417	204	354	164	302	368	656	-288	6
Appanoose	1422	512	219	466	209	430	428	896	-468	11
Audubon	697	206	156	387	46	170	202	557	-355	4
Benton	2350	746	625	966	219	504	844	1470	-626	7
Black Hawk	11427	6739	7645	3736	1736	4002	9381	7738	1643	286
Boone	2897	1114	855	1054	303	441	1158	1495	-337	10
Bremer	2311	780	1042	950	493	469	1535	1419	116	72
Buchanan	1847	611	445	809	133	331	578	1140	-562	2
Buena Vista	2221	827	954	816	466	566	1420	1382	38	8
Butler	1689	501	308	762	71	233	379	995	-616	0
Calhoun	1379	424	237	668	139	311	376	979	-603	0
Carroll	2045	991	339	1101	178	389	517	1490	-973	6
Cass	1684	553	268	617	203	363	471	980	-509	12
Cedar	1965	566	473	770	129	444	602	1214	-612	6
Cerro Gordo	6274	3327	1673	1775	522	1499	2195	3274	-1079	0
Cherokee	1628	675	212	535	97	376	309	911	-602	3
Chickasaw	1265	391	201	604	71	277	272	881	-609	0
Clarke	715	328	236	260	88	138	324	398	-74	0
Clay	2100	900	525	729	363	530	888	1259	-371	7
Clayton	1784	462	331	779	103	311	434	1090	-656	8
Clinton	5364	2682	668	1447	838	1399	1506	2846	-1340	29
Crawford	1304	515	279	665	119	520	398	1185	-787	8
Dallas	3256	936	1188	1361	394	708	1582	2069	-487	12
Davis	795	285	160	248	76	148	236	396	-160	8
Decatur	621	330	195	275	521	266	716	541	175	31
Delaware	1563	587	307	899	122	173	429	1072	-643	0
Des Moines	4907	2511	536	931	698	1411	1234	2342	-1108	70
Dickinson	1803	702	475	494	303	574	778	1068	-290	7
Dubuque	7403	3800	1199	2905	1655	1885	2854	4790	-1936	189
Emmet	1452	481	401	507	220	366	621	873	-252	5
Fayette	2176	668	653	912	228	419	881	1331	-450	8
Floyd	1894	807	311	755	131	420	442	1175	-733	0
Franklin	1674	437	251	645	76	203	327	848	-521	21
Fremont	951	325	123	221	157	282	280	503	-223	9
Greene	1131	386	225	532	82	261	307	793	-486	2
Grundy	1421	377	404	657	71	218	475	875	-400	2
Guthrie	1186	342	301	492	85	143	386	635	-249	0
Hamilton	1928	887	453	811	152	270	605	1081	-476	5
Hancock	1700	512	375	666	90	243	465	909	-444	0
Hardin	2382	885	717	1103	225	521	942	1624	-682	17
Harrison	1511	605	190	398	276	351	466	749	-283	15
Henry	1897	868	651	663	477	424	1128	1087	41	64
Howard	886	251	219	323	143	216	362	539	-177	0
Humboldt	1318	490	229	462	68	209	297	671	-374	0
Ida	824	270	122	329	64	122	186	451	-265	0
Iowa	1478	559	315	591	63	166	378	757	-379	6
Jackson	1826	591	232	777	158	358	390	1135	-745	24
Jasper	3228	1313	695	1260	370	552	1065	1812	-747	13

Table 4. Nonmovers and Movers Age 18 and Older Who Completed Some College in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	1442	726	232	500	457	385	689	885	-196	112
Johnson	7163	5378	10982	2289	5392	3159	16374	5448	10926	500
Jones	2202	580	600	885	198	230	798	1115	-317	12
Keokuk	1278	314	215	469	76	229	291	698	-407	0
Kossuth	2389	796	307	866	205	407	512	1273	-761	11
Lee	3934	1846	433	803	587	1110	1020	1913	-893	16
Linn	18526	11876	5478	5078	3469	4821	8947	9899	-952	346
Louisa	1269	321	267	358	104	102	371	460	-89	17
Lucas	756	295	199	468	46	182	245	650	-405	0
Lyon	1147	361	113	286	188	457	301	743	-442	2
Madison	1269	371	389	458	176	264	565	722	-157	6
Mahaska	1902	765	657	639	332	594	989	1233	-244	27
Marion	2300	1141	1553	855	514	581	2067	1436	631	54
Marshall	4794	2052	850	1607	439	1035	1289	2642	-1353	14
Mills	1230	454	312	368	325	414	637	782	-145	3
Mitchell	1124	391	159	427	123	321	282	748	-466	0
Monona	858	252	238	283	75	273	313	556	-243	0
Monroe	954	301	126	217	91	109	217	326	-109	0
Montgomery	1283	482	243	444	198	471	441	915	-474	3
Muscatine	4292	1819	498	1072	524	985	1022	2057	-1035	15
O'Brien	1623	636	429	623	234	435	663	1058	-395	0
Osceola	768	243	101	222	160	214	261	436	-175	0
Page	1780	614	329	387	215	562	544	949	-405	6
Palo Alto	1309	455	329	660	122	397	451	1057	-606	5
Plymouth	2389	744	708	760	308	723	1016	1483	-467	20
Pocahontas	1334	307	191	583	76	214	267	797	-530	2
Polk	33541	23369	10332	7843	7822	10264	18154	18107	47	399
Pottawattamie	8532	4201	1074	1269	1819	3244	2893	4513	-1620	70
Poweshiek	1659	622	536	807	777	423	1313	1230	83	21
Ringgold	610	186	124	232	89	146	213	378	-165	0
Sac	1426	391	250	569	100	322	350	891	-541	2
Scott	15272	9022	1969	3005	4752	6365	6721	9370	-2649	360
Shelby	1368	388	276	641	122	321	398	962	-564	6
Sioux	2944	1406	721	740	886	916	1607	1656	-49	112
Story	6281	3896	11841	2283	3724	2190	15565	4473	11092	711
Tama	1848	588	375	909	135	340	510	1249	-739	7
Taylor	634	257	113	318	63	144	176	462	-286	4
Union	1406	570	387	562	157	390	544	952	-408	18
Van Buren	617	205	170	404	59	206	229	610	-381	3
Wapello	3679	1644	813	1273	592	1132	1405	2405	-1000	23
Warren	3931	1306	1995	1648	430	661	2425	2309	116	24
Washington	2094	584	496	845	179	404	675	1249	-574	4
Wayne	633	221	137	265	70	217	207	482	-275	0
Webster	4491	2288	1052	1476	670	1148	1722	2624	-902	28
Winnebago	1752	494	471	486	198	330	669	816	-147	37
Winneshiek	1617	739	719	741	1068	520	1787	1261	526	28
Woodbury	9271	5020	1702	2114	2060	3687	3762	5801	-2039	92
Worth	1212	250	231	417	74	155	305	572	-267	0
Wright	1905	664	328	665	167	306	495	971	-476	0
State of Iowa	284265	136795	91152	91152	54414	77652	145566	168804	-23238	4123

Table 5. Nonmovers and Movers Age 18 and Older Who Completed a Bachelor's Degree or More Education in Iowa Counties, 1985 to 1990.

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Adair	373	94	96	155	21	84	117	239	-122	8
Adams	195	46	62	52	37	53	99	105	-6	0
Allamakee	557	139	141	181	34	146	175	327	-152	0
Appanoose	643	154	145	115	138	247	283	362	-79	17
Audubon	345	66	77	116	22	102	99	218	-119	0
Benton	822	232	332	228	108	160	440	388	52	0
Black Hawk	7617	3315	1780	3063	1272	4303	3052	7366	-4314	133
Boone	1437	349	418	400	232	569	650	969	-319	9
Bremer	1392	256	419	511	252	685	671	1196	-525	14
Buchanan	987	186	200	285	98	108	298	393	-95	0
Buena Vista	1161	347	329	500	167	556	496	1056	-560	13
Butler	643	174	152	185	65	171	217	356	-139	0
Calhoun	595	96	197	237	64	140	261	377	-116	2
Carroll	924	293	222	314	193	224	415	538	-123	0
Cass	785	223	220	212	111	208	331	420	-89	0
Cedar	931	165	299	308	117	184	416	492	-76	0
Cerro Gordo	2924	903	633	789	537	1027	1170	1816	-646	16
Cherokee	640	173	136	211	106	170	242	381	-139	7
Chickasaw	562	141	137	247	30	143	167	390	-223	0
Clarke	336	110	39	116	17	43	56	159	-103	0
Clay	924	234	343	299	213	323	556	622	-66	7
Clayton	715	189	168	345	97	268	265	613	-348	2
Clinton	2689	867	444	515	470	794	914	1309	-395	24
Crawford	650	188	221	209	57	301	278	510	-232	0
Dallas	1732	453	793	660	288	323	1081	983	98	7
Davis	376	104	67	94	34	67	101	161	-60	0
Decatur	410	104	68	77	89	341	157	418	-261	5
Delaware	798	228	215	313	52	190	267	503	-236	7
Des Moines	2213	658	337	395	456	868	793	1263	-470	13
Dickinson	1106	294	286	190	193	408	479	598	-119	0
Dubuque	4948	2305	874	1279	1515	2320	2389	3599	-1210	131
Emmet	552	137	73	110	83	241	156	351	-195	0
Fayette	1097	234	323	440	95	372	418	812	-394	4
Floyd	924	194	237	332	113	376	350	708	-358	3
Franklin	611	142	139	159	83	44	222	203	19	13
Fremont	455	97	38	85	51	152	89	237	-148	5
Greene	695	98	132	258	40	150	172	408	-236	7
Grundy	707	89	191	255	67	220	258	475	-217	0
Guthrie	489	76	161	129	48	149	209	278	-69	0
Hamilton	794	261	289	261	79	248	368	509	-141	6
Hancock	504	140	174	238	67	193	241	431	-190	15
Hardin	1021	246	211	319	131	337	342	656	-314	13
Harrison	485	161	108	138	176	224	284	362	-78	4
Henry	1160	274	282	285	190	351	472	636	-164	13
Howard	327	111	108	152	14	135	122	287	-165	0
Humboldt	567	124	119	190	55	185	174	375	-201	0
Ida	402	79	94	185	69	64	163	249	-86	0
Iowa	718	116	228	210	96	156	324	366	-42	2
Jackson	763	229	244	276	94	175	338	451	-113	0
Jasper	1728	582	520	388	248	347	768	735	33	4

Table 5. Nonmovers and Movers Age 18 and Older Who Completed a Bachelor's Degree or More Education in Iowa Counties, 1985 to 1990 (continued).

County	Non-movers	Moved Within County	Moved In from Other Iowa County	Moved Out to Other Iowa County	Moved In from Other State	Moved Out to Other State	Total Moved In	Total Moved Out	Total Net Migration with Other Counties or States	Moved in from Abroad
Jefferson	1054	884	140	192	721	710	861	902	-41	208
Johnson	8670	6741	3998	4233	5681	12503	9679	16736	-7057	1988
Jones	899	162	261	273	84	224	345	497	-152	6
Keokuk	558	92	89	120	33	120	122	240	-118	0
Kossuth	924	238	189	299	151	326	340	625	-285	9
Lee	1817	585	185	402	268	573	453	975	-522	9
Linn	11958	5864	3663	2173	3015	4677	6678	6850	-172	191
Louisa	482	94	97	180	40	101	137	281	-144	5
Lucas	348	110	110	105	32	125	142	230	-88	7
Lyon	501	130	65	128	123	177	188	305	-117	2
Madison	569	119	259	161	57	142	316	303	13	2
Mahaska	1061	369	280	412	220	402	500	814	-314	4
Marion	1368	596	408	653	290	686	698	1339	-641	8
Marshall	2591	744	521	771	347	783	868	1554	-686	12
Mills	738	108	119	132	146	140	265	272	-7	3
Mitchell	536	148	100	167	65	93	165	260	-95	0
Monona	500	101	75	105	58	151	133	256	-123	8
Monroe	307	69	39	89	27	35	66	124	-58	0
Montgomery	608	171	141	127	173	155	314	282	32	0
Muscatine	2002	656	364	527	425	738	789	1265	-476	0
O'Brien	809	260	198	264	103	364	301	628	-327	2
Osceola	284	89	43	103	68	121	111	224	-113	10
Page	1061	212	167	95	159	282	326	377	-51	17
Palo Alto	591	165	95	167	56	139	151	306	-155	6
Plymouth	1334	401	452	403	142	426	594	829	-235	13
Pocahontas	586	114	135	172	28	109	163	281	-118	5
Polk	22230	14940	8338	3083	8212	10977	16550	14060	2490	387
Pottawattamie	3587	1114	515	406	819	1535	1334	1941	-607	4
Poweshiek	923	387	419	284	338	905	757	1189	-432	1
Ringgold	239	64	58	63	48	71	106	134	-28	8
Sac	730	128	182	281	59	89	241	370	-129	0
Scott	10950	4517	1835	1151	4296	6663	6131	7814	-1683	224
Shelby	658	165	174	208	168	214	342	422	-80	2
Sioux	1524	576	242	481	347	934	589	1415	-826	31
Story	6475	3691	2380	4193	2597	10493	4977	14686	-9709	1741
Tama	835	208	198	230	96	295	294	525	-231	2
Taylor	292	67	36	61	46	77	82	138	-56	2
Union	617	265	166	192	72	288	238	480	-242	0
Van Buren	336	69	44	119	57	82	101	201	-100	1
Wapello	1587	468	368	385	289	527	657	912	-255	13
Warren	2121	536	892	661	281	579	1173	1240	-67	6
Washington	870	277	286	270	120	244	406	514	-108	0
Wayne	258	57	72	86	52	65	124	151	-27	0
Webster	1965	789	501	594	562	744	1063	1338	-275	0
Winnebago	699	168	149	111	119	146	268	257	11	0
Winneshiek	1238	387	314	365	350	981	664	1346	-682	23
Woodbury	5700	2508	1003	1090	1646	2583	2649	3673	-1024	69
Worth	432	74	89	98	26	84	115	182	-67	0
Wright	697	155	179	278	120	174	299	452	-153	2
State of Iowa	161548	67308	44154	44154	42116	82697	86270	126851	-40581	5535

Table 6. Net Migration Among Iowa Counties and Between Other States and Iowa Counties by Education, 1985 to 1990.

County	Net Migration Among Iowa Counties					Net Migration Between Other States and Iowa Counties				
	Total 18+	Less than High School	High School	Some College	Bachelor's Degree or +	Total 18+	Less than High School	High School	Some College	Bachelor's Degree or +
Adair	-244	56	-9	-232	-59	-27	31	-13	18	-63
Adams	-50	8	-14	-54	10	-137	-7	-35	-79	-16
Allamakee	-166	86	-62	-150	-40	-216	17	17	-138	-112
Appanoose	-283	-20	-46	-247	30	-375	26	-71	-221	-109
Audubon	-299	60	-89	-231	-39	-204	15	-15	-124	-80
Benton	-160	102	-25	-341	104	-553	-67	-149	-285	-52
Black Hawk	1917	-342	-367	3909	-1283	-7049	-407	-1345	-2266	-3031
Boone	-176	-13	18	-199	18	-610	-42	-93	-138	-337
Bremer	106	86	20	92	-92	-643	-85	-149	24	-433
Buchanan	-487	-29	-9	-364	-85	-462	53	-307	-198	-10
Buena Vista	120	66	87	138	-171	-477	61	-49	-100	-389
Butler	-681	1	-195	-454	-33	-381	57	-170	-162	-106
Calhoun	-305	115	51	-431	-40	-305	23	-80	-172	-76
Carroll	-1111	-26	-231	-762	-92	-403	-27	-134	-211	-31
Cass	-365	11	-35	-349	8	-346	50	-139	-160	-97
Cedar	-213	-93	186	-297	-9	-566	9	-193	-315	-67
Cerro Gordo	175	108	325	-102	-156	-1962	-92	-403	-977	-490
Cherokee	-304	62	32	-323	-75	-490	-35	-112	-279	-64
Chickasaw	-815	-140	-162	-403	-110	-404	9	-94	-206	-113
Clarke	-43	17	41	-24	-77	-135	-7	-52	-50	-26
Clay	-315	-50	-105	-204	44	-452	-3	-172	-167	-110
Clayton	-827	-33	-169	-448	-177	-757	-17	-361	-208	-171
Clinton	-1174	16	-340	-779	-71	-1650	-117	-648	-561	-324
Crawford	-408	-9	-25	-386	12	-832	-25	-162	-401	-244
Dallas	-226	-74	-112	-173	133	-597	-10	-238	-314	-35
Davis	-169	-23	-31	-88	-27	-87	16	2	-72	-33
Decatur	-179	-67	-23	-80	-9	39	69	-33	255	-252
Delaware	-916	-101	-125	-592	-98	-325	6	-142	-51	-138
Des Moines	-325	-11	139	-395	-58	-1273	-12	-136	-713	-412
Dickinson	208	17	114	-19	96	-597	-5	-106	-271	-215
Dubuque	-2546	13	-448	-1706	-405	-1328	-35	-258	-230	-805
Emmet	-185	-13	-29	-106	-37	-477	-18	-155	-146	-158
Fayette	-563	-60	-127	-259	-117	-747	-23	-256	-191	-277
Floyd	-644	60	-165	-444	-95	-607	44	-99	-289	-263
Franklin	-389	28	-3	-394	-20	-101	9	-22	-127	39
Fremont	-133	59	-47	-98	-47	-239	-14	1	-125	-101
Greene	-591	-37	-121	-307	-126	-293	22	-26	-179	-110
Grundy	-410	-90	-3	-253	-64	-412	22	-134	-147	-153
Guthrie	-130	-73	102	-191	32	-191	29	-61	-58	-101
Hamilton	-480	-49	-101	-358	28	-413	40	-166	-118	-169
Hancock	-451	-7	-89	-291	-64	-363	42	-126	-153	-126
Hardin	-632	-8	-130	-386	-108	-707	-18	-187	-296	-206
Harrison	-287	42	-91	-208	-30	-302	-48	-131	-75	-48
Henry	436	134	317	-12	-3	-155	18	-65	53	-161
Howard	-189	-46	5	-104	-44	-332	-24	-114	-73	-121
Humboldt	-315	-43	32	-233	-71	-334	-1	-62	-141	-130
Ida	-290	47	-39	-207	-91	-112	17	-76	-58	5
Iowa	-339	-100	19	-276	18	-285	-10	-112	-103	-60
Jackson	-631	20	-74	-545	-32	-471	-29	-161	-200	-81
Jasper	-303	-12	142	-565	132	-378	-40	-57	-182	-99

Table 6. Net Migration Among Iowa Counties and Between Other States and Iowa Counties by Education, 1985 to 1990 (continued).

County	Net Migration Among Iowa Counties					Net Migration Between Other States and Iowa Counties				
	Total 18+	Less than High School	High School	Some College	Bachelor's Degree or +	Total 18+	Less than High School	High School	Some College	Bachelor's Degree or +
Jefferson	-516	-70	-126	-268	-52	128	7	38	72	11
Johnson	9637	157	1022	8693	-235	-4759	-11	-159	2233	-6822
Jones	-74	99	124	-285	-12	-100	16	56	-32	-140
Keokuk	-378	47	-140	-254	-31	-245	29	-34	-153	-87
Kossuth	-929	-32	-228	-559	-110	-621	-40	-204	-202	-175
Lee	-563	-8	32	-370	-217	-1399	-46	-525	-523	-305
Linn	1989	-16	115	400	1490	-3933	-238	-681	-1352	-1662
Louisa	-202	-29	1	-91	-83	72	102	29	2	-61
Lucas	-362	-26	-72	-269	5	-317	-42	-46	-136	-93
Lyon	-165	30	41	-173	-63	-356	53	-86	-269	-54
Madison	3	3	-29	-69	98	-36	53	84	-88	-85
Mahaska	-118	32	-36	18	-132	-497	-44	-9	-262	-182
Marion	646	168	25	698	-245	-409	47	7	-67	-396
Marshall	-872	152	-17	-757	-250	-1710	-182	-496	-596	-436
Mills	95	130	34	-56	-13	27	70	40	-89	6
Mitchell	-308	52	-25	-268	-67	-224	43	-41	-198	-28
Monona	-89	39	-53	-45	-30	-444	-33	-120	-198	-93
Monroe	-142	-17	16	-91	-50	13	34	5	-18	-8
Montgomery	-167	-3	23	-201	14	-484	-77	-152	-273	18
Muscatine	-799	-44	-18	-574	-163	-863	68	-157	-461	-313
O'Brien	-416	-29	-127	-194	-66	-549	-26	-61	-201	-261
Osceola	-282	-61	-40	-121	-60	-177	30	-100	-54	-53
Page	234	69	151	-58	72	-572	40	-142	-347	-123
Palo Alto	-501	-11	-87	-331	-72	-350	46	-38	-275	-83
Plymouth	175	44	134	-52	49	-935	-57	-179	-415	-284
Pocahontas	-478	30	-79	-392	-37	-345	-13	-113	-138	-81
Polk	8848	-205	1309	2489	5255	-6752	-509	-1036	-2442	-2765
Pottawattamie	-603	-291	-226	-195	109	-3110	-120	-849	-1425	-716
Poweshiek	-172	19	-55	-271	135	-235	-40	18	354	-567
Ringgold	-126	19	-32	-108	-5	-90	-2	-8	-57	-23
Sac	-424	14	-20	-319	-99	-212	60	-20	-222	-30
Scott	-66	174	112	-1036	684	-6313	-605	-1728	-1613	-2367
Shelby	-472	-22	-51	-365	-34	-429	-51	-133	-199	-46
Sioux	-308	-30	-20	-19	-239	-619	-44	42	-30	-587
Story	8874	115	1014	9558	-1813	-6650	-168	-120	1534	-7896
Tama	-844	-90	-188	-534	-32	-470	-3	-63	-205	-199
Taylor	-295	11	-76	-205	-25	-33	35	44	-81	-31
Union	-245	18	-62	-175	-26	-635	-21	-165	-233	-216
Van Buren	-320	24	-35	-234	-75	-162	-4	14	-147	-25
Wapello	-651	-96	-78	-460	-17	-1147	-83	-286	-540	-238
Warren	857	138	141	347	231	-688	-14	-145	-231	-298
Washington	-334	157	-158	-349	16	-494	-72	-73	-225	-124
Wayne	-80	71	-9	-128	-14	-225	-40	-25	-147	-13
Webster	-687	-196	26	-424	-93	-1077	-139	-278	-478	-182
Winnebago	-83	-20	-86	-15	38	-148	20	-9	-132	-27
Winneshiek	-30	-127	170	-22	-51	-95	-28	16	548	-631
Woodbury	-765	-39	-227	-412	-87	-3016	53	-505	-1627	-937
Worth	-259	-48	-16	-186	-9	-142	23	-26	-81	-58
Wright	-446	53	-63	-337	-99	-295	-12	-90	-139	-54
State of Iowa	0	0	0	0	0	-82645	-2468	-16358	-23238	-40581

Table 7. Net migration Between Iowa Counties and Other States by State by Highest Level of Education Completed, 1985 to 1990.

State	Total 18+			Less than High School			High School			Some College			Bachelor's Degree or +		
	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig
Alabama (AL)	547	965	-418	51	80	-29	177	188	-11	164	305	-141	155	392	-237
Alaska (AK)	545	656	-111	26	38	-12	122	213	-91	247	266	-19	150	139	11
Arizona (AZ)	4162	13488	-9326	682	1280	-598	1349	3932	-2583	1459	5043	-3584	672	3233	-2561
Arkansas (AR)	2059	3830	-1771	541	734	-193	729	1452	-723	450	1046	-596	339	598	-259
California (CA)	10573	18553	-7980	1585	1794	-209	3197	5082	-1885	3516	6090	-2574	2275	5587	-3312
Colorado (CO)	6367	9177	-2810	747	573	174	1895	2370	-475	2381	3523	-1142	1344	2711	-1367
Connecticut (CT)	547	991	-444	49	20	29	99	120	-21	161	325	-164	238	526	-288
Delaware (DE)	77	277	-200	0	8	-8	2	58	-56	59	116	-57	16	95	-79
Dist. of Col. (DC)	315	551	-236	37	27	10	27	110	-83	63	58	5	188	356	-168
Florida (FL)	3659	11619	-7960	651	1314	-663	1126	3406	-2280	1199	3596	-2397	683	3303	-2620
Georgia (GA)	1349	3474	-2125	135	292	-157	395	996	-601	518	997	-479	301	1189	-888
Hawaii (HI)	596	743	-147	18	22	-4	187	365	-178	217	183	34	174	173	1
Idaho (ID)	513	892	-379	82	120	-38	147	238	-91	188	284	-96	96	250	-154
Illinois (IL)	25195	26514	-1319	2210	1936	274	5382	5204	178	11434	7456	3978	6169	11918	-5749
Indiana (IN)	2961	4515	-1554	363	304	59	523	806	-283	880	1553	-673	1195	1852	-657
Kansas (KS)	4182	7139	-2957	488	554	-66	1061	1547	-486	1379	2281	-902	1254	2757	-1503
Kentucky (KY)	936	1762	-826	102	134	-32	164	399	-235	329	552	-223	341	677	-336
Louisiana (LA)	1347	921	426	162	106	56	377	242	135	409	257	152	399	316	83
Maine (ME)	314	346	-32	36	12	24	79	89	-10	110	91	19	89	154	-65
Maryland (MD)	867	1709	-842	42	111	-69	146	313	-167	301	470	-169	378	815	-437
Massachusetts (MA)	819	1755	-936	42	69	-27	129	360	-231	265	417	-152	383	909	-526
Michigan (MI)	3170	4453	-1283	302	347	-45	448	718	-270	1158	1447	-289	1262	1941	-679
Minnesota (MN)	12092	20344	-8252	1094	1388	-294	2771	3886	-1115	4829	7031	-2202	3398	8039	-4641
Mississippi (MS)	741	692	49	189	135	54	253	143	110	160	216	-56	139	198	-59
Missouri (MO)	9515	17772	-8257	1291	1781	-490	2459	3974	-1515	2920	6587	-3667	2845	5430	-2585
Montana (MT)	928	837	91	77	122	-45	313	195	118	283	258	25	255	262	-7



Table 7. Net migration Between Iowa Counties and Other States by State by Highest Level of Education Completed, 1985 to 1990 (continued).

State	Total 18+			Less than High School			High School			Some College			Bachelor's Degree or +		
	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig	To Iowa	From Iowa	Net Mig
Nebraska (NE)	13102	16509	-3407	1507	1763	-256	3529	4213	-684	4566	6625	-2059	3500	3908	-408
Nevada (NV)	567	2144	-1577	110	355	-245	180	596	-416	229	814	-585	48	379	-331
New Hampshire (NH)	228	328	-100	29	12	17	38	65	-27	74	113	-39	87	138	-51
New Jersey (NJ)	1075	1430	-355	33	81	-48	264	294	-30	354	325	29	424	730	-306
New Mexico (NM)	923	1513	-590	151	132	19	226	234	-8	259	486	-227	287	661	-374
New York (NY)	2297	3379	-1082	99	138	-39	372	501	-129	758	833	-75	1068	1907	-839
North Carolina (NC)	1364	3275	-1911	129	262	-133	365	1158	-793	401	865	-464	469	990	-521
North Dakota (ND)	1341	916	425	71	30	41	277	152	125	503	353	150	490	381	109
Ohio (OH)	2670	3842	-1172	271	288	-17	509	683	-174	814	1025	-211	1076	1846	-770
Oklahoma (OK)	2779	2788	-9	469	324	145	885	835	50	846	967	-121	579	662	-83
Oregon (OR)	995	1571	-576	223	195	28	218	315	-97	309	512	-203	245	549	-304
Pennsylvania (PA)	1419	2275	-856	102	60	42	264	387	-123	439	512	-73	614	1316	-702
Rhode Island (RI)	110	211	-101	0	15	-15	11	28	-17	24	47	-23	75	121	-46
South Carolina (SC)	715	1367	-652	46	95	-49	209	432	-223	210	433	-223	250	407	-157
South Dakota (SD)	4864	5495	-631	489	429	60	1077	1244	-167	1611	2433	-822	1687	1389	298
Tennessee (TN)	1060	2438	-1378	127	273	-146	370	669	-299	233	740	-507	330	756	-426
Texas (TX)	10986	13234	-2248	1938	1207	731	3445	2944	501	3444	4268	-824	2159	4815	-2656
Utah (UT)	917	1020	-103	144	117	27	282	263	19	256	375	-119	235	265	-30
Vermont (VT)	104	185	-81	11	0	11	7	44	-37	57	31	26	29	110	-81
Virginia (VA)	1671	3122	-1451	154	180	-26	462	833	-371	539	831	-292	516	1278	-762
Washington (WA)	1833	4379	-2546	206	360	-154	458	1013	-555	622	1307	-685	547	1699	-1152
West Virginia (WV)	161	333	-172	9	14	-5	45	56	-11	51	97	-46	56	166	-110
Wisconsin (WI)	7232	9735	-2503	571	777	-206	1811	1945	-134	2441	2905	-464	2409	4108	-1699
Wyoming (WY)	867	837	30	108	59	49	266	175	91	295	307	-12	198	296	-98
Total Other States	153656	236301	-82645	17999	20467	-2468	39127	55485	-16358	54414	77652	-23238	42116	82697	-40581



Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
51 Jefferson	0	0	1	0	0	0	7	2	0	0	0	0	0	0	14	0	0	8	0	0
52 Johnson	0	0	9	3	0	12	188	13	2	0	5	7	2	6	2	94	101	0	3	0
53 Jones	0	0	7	0	0	0	27	0	0	0	3	3	0	0	0	10	0	0	11	0
54 Keokuk	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
55 Kossuth	0	0	0	0	0	0	8	3	0	0	9	4	0	13	0	0	9	0	2	13
56 Lee	0	2	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Linn	0	0	0	11	0	69	80	6	17	27	0	3	2	0	0	41	42	2	22	0
58 Louisa	0	6	0	0	0	0	8	0	2	0	0	0	0	0	0	0	0	0	0	0
59 Lucas	0	0	0	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Lyon	0	0	0	0	0	0	0	0	11	0	6	0	2	0	0	0	0	0	0	0
61 Madison	15	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
62 Mahaska	0	0	0	0	2	0	14	3	0	0	0	2	4	0	0	17	18	0	0	2
63 Marion	0	0	0	2	0	19	0	3	0	0	6	0	0	3	0	0	0	0	0	0
64 Marshall	2	0	0	0	0	0	51	0	0	0	5	0	0	0	7	3	13	0	0	0
65 Mills	0	0	4	0	2	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
66 Mitchell	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	8	0	3	0
67 Monona	0	0	0	4	0	0	0	0	0	0	6	0	6	2	0	0	0	0	0	0
68 Monroe	0	0	0	14	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
69 Montgomery	0	7	0	14	0	0	0	8	0	0	0	0	0	12	11	2	4	0	0	0
70 Muscatine	0	0	9	0	0	0	9	0	0	0	0	2	0	0	0	23	0	0	0	0
71 O'Brien	2	0	0	0	0	0	0	14	6	0	15	0	5	0	0	0	0	4	0	0
72 Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Page	3	8	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
74 Palo Alto	0	0	0	0	0	0	14	0	2	0	10	0	0	7	0	0	0	0	0	0
75 Plymouth	0	0	0	0	0	0	28	0	0	0	0	0	5	0	0	0	0	1	0	0
76 Pocahontas	0	0	0	0	0	0	9	0	5	0	13	0	8	0	0	0	2	0	0	0
77 Polk	7	0	0	14	15	30	130	83	9	5	6	2	31	8	26	6	66	0	7	0
78 Pottawattamie	2	0	0	0	5	0	10	0	6	0	0	0	0	3	0	4	6	0	0	0
79 Poweshiek	0	4	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	10	0
80 Ringgold	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Sac	0	0	0	0	0	0	6	15	0	0	24	3	10	0	0	0	0	0	0	0
82 Scott	0	6	5	0	0	0	77	8	2	0	0	0	2	0	8	24	13	8	13	0
83 Shelby	0	0	0	0	10	0	6	0	0	0	0	0	0	0	11	0	0	2	0	0
84 Sioux	0	0	0	0	0	0	20	7	0	1	0	0	0	7	0	2	0	2	0	0
85 Story	18	0	11	26	9	25	170	89	4	6	16	6	19	11	19	17	33	12	2	6
86 Tama	0	0	0	0	0	8	19	0	4	3	0	0	0	0	0	0	0	2	0	0
87 Taylor	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
88 Union	6	2	0	0	0	0	0	0	0	2	0	0	0	6	6	0	0	0	0	0
89 Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Wapello	0	0	0	10	0	0	33	0	0	0	0	0	4	0	0	0	0	0	0	0
91 Warren	9	0	0	6	3	0	0	10	12	0	0	9	0	0	13	0	0	0	0	0
92 Washington	0	0	0	0	0	3	22	0	4	0	0	2	0	5	0	2	0	0	0	0
93 Wayne	0	0	0	0	0	0	3	0	0	0	0	3	0	0	7	0	0	0	0	0
94 Webster	0	0	0	0	1	0	27	21	2	0	8	4	11	0	0	4	9	0	3	0
95 Winnebago	0	0	0	0	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0
96 Winneshiek	0	0	5	0	0	0	16	7	3	7	0	3	0	0	0	0	0	0	2	0
97 Woodbury	0	5	0	19	1	0	28	0	0	0	44	9	0	45	6	0	9	16	0	0
98 Worth	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	23	0	0	0
99 Wright	0	3	3	0	0	0	15	0	0	0	15	0	6	0	0	0	32	0	0	0

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1 Adair	0	3	0	0	6	0	0	0	0	0	5	0	0	0	0	0	0	0	8	0
2 Adams	0	0	0	0	5	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Allamakee	0	1	0	0	0	0	0	0	15	0	19	0	12	0	0	0	0	0	0	0
4 Appanoose	0	0	0	0	0	0	0	0	0	0	5	0	4	0	0	0	0	0	0	0
5 Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Benton	0	2	0	4	2	0	0	0	4	0	1	0	2	0	0	0	0	2	0	0
7 Black Hawk	0	17	6	17	41	0	2	25	6	2	71	3	28	9	8	2	7	53	0	5
8 Boone	0	2	0	0	9	0	3	0	0	0	0	0	0	0	5	0	11	10	0	8
9 Bremer	0	0	0	4	0	0	0	2	0	0	33	0	7	0	0	0	0	8	0	9
10 Buchanan	0	0	0	3	0	0	0	3	0	0	14	0	27	0	0	0	0	0	2	0
11 Buena Vista	27	0	0	0	2	0	0	0	0	2	11	0	3	0	0	0	0	7	0	7
12 Butler	0	0	0	0	0	0	0	7	0	0	10	0	0	32	0	0	0	4	2	2
13 Calhoun	0	6	4	15	12	0	0	0	0	2	0	0	0	0	0	0	0	0	0	6
14 Carroll	0	0	0	10	19	0	0	0	0	2	0	0	0	0	0	0	0	0	17	0
15 Cass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6
16 Cedar	0	3	15	0	0	0	2	0	0	0	0	0	17	0	0	0	0	0	0	0
17 Cerro Gordo	0	2	0	7	17	0	0	2	0	3	22	0	0	17	17	0	0	0	0	5
18 Cherokee	6	5	0	0	0	0	0	0	0	7	0	0	4	0	0	0	0	0	2	0
19 Chickasaw	0	0	0	0	0	0	0	5	0	0	7	0	25	14	0	0	0	0	2	0
20 Clarke	0	0	0	0	19	0	4	0	0	0	0	0	0	7	0	0	0	0	2	0
21 Clay	----	0	0	0	14	0	1	0	0	59	6	4	0	7	0	0	0	0	0	0
22 Clayton	0	----	0	0	0	0	0	26	0	2	43	0	35	0	0	0	0	0	0	15
23 Clinton	0	0	----	0	0	0	0	0	20	0	40	0	0	0	0	0	2	0	0	0
24 Crawford	4	0	0	----	9	0	0	7	0	6	5	0	0	0	2	4	0	0	0	0
25 Dallas	22	0	17	0	----	0	0	14	0	0	6	0	0	6	0	0	21	0	23	0
26 Davis	0	0	0	0	2	----	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27 Decatur	0	0	0	0	0	0	----	0	5	0	0	0	0	0	0	0	0	0	0	0
28 Delaware	0	3	0	0	0	0	2	----	0	0	20	0	7	0	0	0	0	0	0	0
29 Des Moines	0	2	9	0	0	0	0	0	----	0	33	12	6	0	0	0	0	0	0	0
30 Dickinson	47	0	0	0	0	0	0	2	0	----	0	0	0	0	0	0	0	0	0	0
31 Dubuque	0	18	23	0	0	0	0	26	14	0	----	0	18	17	0	0	0	3	0	7
32 Emmet	0	0	0	0	0	0	0	0	0	14	0	----	0	0	3	0	0	0	0	0
33 Fayette	0	24	6	7	21	0	0	9	0	2	10	0	----	0	0	0	0	0	0	26
34 Floyd	0	0	0	0	21	0	0	0	0	0	4	0	22	----	0	0	0	0	2	0
35 Franklin	0	0	0	4	0	0	0	0	0	0	0	0	0	0	----	0	0	2	0	2
36 Fremont	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0
37 Greene	0	0	0	2	2	0	0	2	0	0	0	0	0	3	17	0	----	0	34	0
38 Grundy	0	0	0	0	0	0	0	0	8	0	0	13	0	0	0	0	0	----	0	2
39 Guthrie	0	0	0	0	5	0	0	0	0	4	0	0	0	0	0	0	16	0	----	0
40 Hamilton	0	0	0	0	3	0	0	9	7	2	0	0	0	0	2	0	2	6	0	----
41 Hancock	0	4	0	0	6	0	0	0	0	0	0	8	0	0	2	0	0	5	0	0
42 Hardin	0	0	0	0	2	0	0	0	0	0	7	0	10	18	3	0	0	8	0	0
43 Harrison	0	4	0	10	2	0	0	0	0	0	0	3	5	0	0	0	0	0	0	0
44 Henry	3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	5	0	0	0	0
45 Howard	0	0	7	0	0	0	0	2	0	0	0	0	13	0	0	0	0	2	0	0
46 Humboldt	2	0	8	0	0	0	0	0	4	2	19	0	0	0	2	0	7	0	0	0
47 Ida	6	3	0	9	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
48 Iowa	0	4	16	0	3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
49 Jackson	0	4	22	0	2	0	0	1	0	0	50	0	0	0	0	0	0	0	0	0
50 Jasper	0	0	0	3	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	3

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
51 Jefferson	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Johnson	18	4	40	8	17	0	0	6	72	2	77	0	6	8	13	0	0	0	0	12
53 Jones	0	0	3	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0
54 Keokuk	0	3	0	0	8	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
55 Kossuth	0	2	12	3	5	0	0	0	0	4	0	7	0	0	0	0	2	0	0	0
56 Lee	0	0	7	2	0	0	0	8	31	0	2	0	0	0	0	0	0	0	0	12
57 Linn	27	12	40	6	2	0	0	20	17	4	93	0	17	2	3	0	7	0	3	4
58 Louisa	0	0	5	0	0	0	0	0	18	0	0	0	0	6	0	0	0	0	0	0
59 Lucas	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Lyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Madison	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
62 Mahaska	10	0	0	0	4	5	0	0	0	0	0	0	0	0	2	0	0	0	0	0
63 Marion	0	0	2	0	9	15	0	0	0	3	8	3	2	2	0	0	0	3	10	0
64 Marshall	0	2	6	5	0	17	2	2	2	20	0	0	9	0	0	2	0	2	0	0
65 Mills	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	5	0	3	0	0
66 Mitchell	0	1	0	0	11	0	4	0	0	0	0	0	0	24	0	0	0	0	0	0
67 Monona	2	0	0	8	0	0	0	0	3	0	0	0	0	0	8	7	0	0	2	0
68 Monroe	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Muscatine	0	0	5	0	0	0	0	0	14	0	12	0	0	0	0	0	0	0	0	0
71 O'Brien	0	0	7	6	0	0	3	7	0	8	0	0	2	0	0	0	6	0	0	0
72 Osceola	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	3	0	0
73 Page	0	0	0	0	0	0	0	0	0	7	0	0	0	0	4	2	0	0	0	0
74 Palo Alto	20	0	0	0	0	0	0	0	3	13	0	5	0	0	0	0	0	0	0	0
75 Plymouth	10	0	0	0	1	0	0	9	0	13	0	0	0	0	4	0	0	0	0	0
76 Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
77 Polk	43	6	20	16	356	7	2	0	4	10	62	0	3	6	0	5	9	5	11	43
78 Pottawattamie	0	0	0	2	2	0	0	0	0	0	0	0	0	12	0	0	5	3	5	2
79 Poweshiek	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	17
80 Ringgold	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	2	0	0	0	0
81 Sac	4	0	0	2	0	0	0	0	0	11	0	0	0	4	6	0	2	13	1	15
82 Scott	0	0	63	0	6	0	0	0	20	0	30	0	8	11	0	0	0	3	0	0
83 Shelby	0	0	0	7	0	0	4	0	0	3	0	0	0	0	0	0	0	2	0	0
84 Sioux	14	0	24	2	3	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0
85 Story	4	10	37	11	61	0	10	7	19	8	47	6	12	22	10	2	15	23	17	56
86 Tama	0	3	0	0	0	0	0	0	0	0	8	0	2	0	0	0	0	4	2	2
87 Taylor	4	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Union	0	0	0	2	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Van Buren	0	4	8	0	0	12	0	0	5	0	0	0	0	0	0	0	7	0	0	0
90 Wapello	9	0	9	0	2	6	2	0	6	0	10	0	2	0	0	0	0	3	0	0
91 Warren	9	0	10	7	29	5	0	0	0	0	23	0	0	0	0	0	0	0	7	8
92 Washington	0	0	0	0	0	0	0	0	0	0	14	0	0	0	6	0	0	0	0	0
93 Wayne	4	0	0	2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Webster	0	0	7	1	2	0	0	7	0	8	15	0	0	0	0	0	7	0	7	6
95 Winnebago	0	5	0	0	0	0	0	0	0	0	0	5	0	0	4	0	0	0	2	0
96 Winneshiek	0	7	0	0	0	0	0	2	0	0	13	0	5	6	0	0	0	0	0	0
97 Woodbury	30	2	6	36	10	0	0	0	4	48	4	0	0	0	8	0	4	6	0	0
98 Worth	0	0	0	0	0	0	2	0	0	0	6	0	0	4	0	0	0	0	0	0
99 Wright	9	0	0	0	0	0	0	0	0	3	2	0	0	0	10	0	0	0	0	8

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1 Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	5	5
2 Adams	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Allamakee	0	0	0	0	0	0	0	2	0	0	0	29	0	0	0	0	22	0	0	0
4 Appanoose	2	3	0	6	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	2
5 Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	9	0	0	0
6 Benton	0	0	0	0	0	0	0	7	0	2	0	52	0	2	0	0	45	0	0	0
7 Black Hawk	0	3	2	8	5	1	4	0	34	60	0	305	0	0	31	9	337	3	0	2
8 Boone	0	0	2	3	6	0	0	7	0	14	16	14	0	0	5	0	8	0	0	0
9 Bremer	0	0	3	15	0	0	4	0	0	6	0	42	0	0	0	0	25	0	6	0
10 Buchanan	3	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	44	0	0	0
11 Buena Vista	0	0	0	0	0	6	2	0	0	17	0	11	3	1	3	0	7	0	0	0
12 Butler	6	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0
13 Calhoun	0	2	0	0	0	0	0	0	0	3	0	6	2	2	6	0	0	0	0	2
14 Carroll	0	0	0	0	5	0	0	0	0	2	0	20	0	0	6	2	5	0	0	0
15 Cass	0	0	0	0	0	0	0	0	0	0	11	6	9	0	0	0	9	2	0	0
16 Cedar	0	0	0	0	0	0	0	0	0	0	0	111	0	2	0	0	33	7	14	0
17 Cerro Gordo	30	25	0	0	0	5	3	0	9	8	0	91	5	0	10	0	61	0	0	0
18 Cherokee	0	0	0	0	0	0	14	2	0	0	0	14	0	0	0	0	20	11	0	0
19 Chickasaw	8	0	0	0	3	0	0	0	0	8	0	7	0	0	0	0	2	0	0	0
20 Clarke	0	0	0	0	0	0	0	2	0	6	0	9	0	0	0	0	4	0	0	0
21 Clay	0	0	6	2	0	0	0	0	3	0	0	14	0	0	0	0	7	0	0	4
22 Clayton	4	0	0	0	0	0	0	6	0	0	0	5	5	0	0	0	43	0	0	0
23 Clinton	0	2	0	2	0	0	0	1	19	0	0	93	27	2	11	18	30	0	0	0
24 Crawford	0	0	0	0	0	0	2	0	0	0	0	7	0	0	0	6	0	0	0	0
25 Dallas	0	0	0	0	0	2	0	0	0	2	0	10	0	0	0	0	0	0	0	0
26 Davis	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Decatur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Delaware	0	0	12	0	0	0	0	6	0	0	0	32	0	0	2	0	72	0	0	0
29 Des Moines	0	0	0	30	0	0	0	0	0	1	0	52	0	2	0	33	50	26	0	0
30 Dickinson	0	0	0	10	0	16	0	6	0	6	0	7	0	0	0	0	6	0	0	0
31 Dubuque	4	0	0	5	0	0	0	6	62	2	0	161	13	0	0	2	186	0	7	0
32 Emmet	0	0	0	0	0	0	0	2	0	0	0	16	0	0	0	0	0	0	0	9
33 Fayette	4	0	0	0	9	0	0	0	0	0	0	16	0	0	0	0	25	0	0	0
34 Floyd	11	0	0	0	7	0	2	0	0	8	0	7	0	0	0	0	22	0	0	0
35 Franklin	0	0	14	0	0	11	0	0	0	0	0	8	0	0	3	0	16	2	0	0
36 Fremont	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Greene	2	9	0	0	0	0	0	0	0	5	0	37	0	0	0	0	7	0	0	0
38 Grundy	0	16	0	0	0	0	0	0	3	0	0	0	0	2	0	0	57	0	0	0
39 Guthrie	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	16	0	0	0
40 Hamilton	0	20	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0
41 Hancock	----	12	0	0	0	2	0	0	0	0	0	0	0	0	13	0	0	0	0	0
42 Hardin	0	----	0	0	0	0	0	0	0	0	0	32	0	0	0	14	0	0	0	0
43 Harrison	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Henry	0	0	2	----	0	1	0	0	0	0	11	29	0	2	0	10	19	8	0	0
45 Howard	3	0	0	0	----	0	0	0	0	0	12	6	0	0	0	0	8	2	0	0
46 Humboldt	5	0	0	0	0	----	0	0	0	0	0	6	0	2	0	9	0	0	0	0
47 Ida	0	0	0	0	0	0	----	0	0	0	0	8	0	0	0	0	0	0	0	0
48 Iowa	0	0	0	0	0	0	0	----	0	19	0	46	0	0	2	0	26	0	5	0
49 Jackson	0	0	0	0	0	0	0	0	----	0	0	43	9	2	4	0	8	0	0	0
50 Jasper	0	0	0	0	0	0	0	2	0	----	0	17	0	2	0	2	45	0	0	0

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
51 Jefferson	0	0	0	13	0	0	0	0	0	15	----	36	0	10	0	0	28	0	0	0
52 Johnson	5	19	6	21	2	2	7	51	2	0	44	----	30	9	0	21	966	7	5	6
53 Jones	6	0	0	5	0	0	0	0	25	2	0	2	----	0	0	4	99	0	0	0
54 Keokuk	0	0	0	0	0	6	0	7	0	0	6	32	0	----	0	0	6	0	0	0
55 Kossuth	3	0	0	0	7	8	1	2	0	12	0	23	0	0	----	0	9	0	0	0
56 Lee	0	0	0	15	0	0	0	0	0	9	0	28	0	4	0	----	23	10	6	0
57 Linn	2	19	0	35	11	2	0	36	15	25	12	566	95	4	8	10	----	0	0	5
58 Louisa	0	0	0	7	0	0	0	3	0	0	0	0	0	0	0	8	24	----	0	0
59 Lucas	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	9	0	----	0
60 Lyon	0	0	0	0	0	0	2	0	0	0	0	11	0	0	9	0	0	0	0	----
61 Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	0	5	0
62 Mahaska	6	7	0	3	0	0	0	13	0	19	0	27	6	2	0	8	33	0	8	0
63 Marion	0	0	0	0	12	0	0	0	2	50	0	50	0	0	0	0	45	0	9	2
64 Marshall	5	24	0	2	0	0	0	0	15	13	0	84	0	0	0	0	27	0	0	2
65 Mills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
66 Mitchell	0	0	0	0	14	12	0	0	0	0	0	17	0	0	0	0	0	0	0	0
67 Monona	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Monroe	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
69 Montgomery	0	0	3	0	0	0	0	0	4	6	0	0	0	0	5	0	0	0	0	0
70 Muscatine	0	0	0	0	7	0	0	0	0	6	0	88	12	0	5	6	43	6	0	0
71 O'Brien	0	2	5	0	0	0	2	0	0	0	0	21	0	0	0	0	11	0	0	0
72 Osceola	0	0	0	0	0	2	0	0	0	0	0	0	0	6	0	0	11	0	0	5
73 Page	2	0	2	0	0	5	0	0	0	0	0	0	10	0	0	5	0	0	0	0
74 Palo Alto	8	0	0	0	0	0	0	0	0	0	0	13	0	0	32	0	5	0	0	0
75 Plymouth	0	6	5	0	0	0	4	0	0	12	0	43	0	0	0	0	0	0	0	0
76 Pocahontas	3	0	0	4	0	0	0	0	0	0	0	6	0	0	0	0	19	0	0	0
77 Polk	13	1	6	26	0	15	7	12	11	71	12	304	3	0	0	7	222	0	13	0
78 Pottawattamie	2	0	17	0	0	0	0	0	0	0	0	18	0	2	0	0	20	0	0	0
79 Poweshiek	0	0	0	0	0	0	0	12	0	2	0	34	0	2	0	0	34	0	0	0
80 Ringgold	0	0	0	0	0	0	0	2	0	0	0	9	0	7	0	0	0	0	0	0
81 Sac	0	0	2	0	0	0	6	0	0	2	0	14	0	0	0	0	0	0	0	0
82 Scott	7	0	0	0	0	0	0	2	6	0	0	213	0	2	0	5	108	2	0	0
83 Shelby	0	0	0	0	0	0	0	0	0	5	0	4	6	0	0	0	0	0	5	0
84 Sioux	0	4	0	0	0	0	1	0	0	4	0	28	0	2	2	0	14	0	0	4
85 Story	12	23	9	25	0	0	15	14	22	39	1	452	2	0	2	4	400	5	8	14
86 Tama	0	0	0	0	0	0	0	3	2	0	0	17	0	2	0	0	21	0	0	0
87 Taylor	0	0	4	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	2	0
88 Union	0	0	0	5	0	0	0	3	0	0	0	7	0	0	0	0	7	0	0	0
89 Van Buren	0	0	0	0	0	0	0	6	0	0	0	29	0	0	0	9	13	0	0	0
90 Wapello	0	9	0	17	0	7	0	2	2	11	5	43	0	2	0	0	17	0	0	0
91 Warren	0	0	2	0	0	0	0	0	0	2	2	45	0	0	0	0	18	0	12	0
92 Washington	0	0	0	3	0	0	0	2	0	0	0	124	0	6	0	0	22	0	0	0
93 Wayne	0	0	0	0	0	0	0	0	0	10	0	14	0	0	0	0	0	0	0	0
94 Webster	2	0	0	0	0	12	2	0	3	22	0	27	9	2	0	0	14	0	0	0
95 Winnebago	8	0	0	3	0	0	0	0	0	0	0	0	0	3	9	2	0	0	0	0
96 Winneshiek	0	0	0	0	20	0	0	0	0	0	0	73	0	0	0	0	42	4	0	2
97 Woodbury	0	0	0	6	0	0	12	0	0	5	0	63	4	0	0	0	45	0	0	1
98 Worth	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0
99 Wright	8	0	4	0	0	0	0	4	0	0	0	10	5	0	11	0	19	0	0	0

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
1 Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	7	2	0
2 Adams	0	4	4	0	0	0	0	0	5	0	0	0	0	0	0	0	7	2	0	0
3 Allamakee	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Appanoose	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0	0	0
5 Audubon	0	0	0	0	7	6	0	0	0	0	0	0	7	0	0	0	2	8	9	0
6 Benton	0	4	2	0	0	0	0	0	0	2	5	0	0	0	0	13	0	2	0	
7 Black Hawk	6	8	29	23	12	9	2	0	6	0	0	0	12	12	11	4	828	10	28	2
8 Boone	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	89	3	0	0
9 Bremer	2	4	0	2	0	0	3	0	0	0	2	0	0	0	0	0	84	0	0	0
10 Buchanan	0	0	2	18	0	0	0	0	0	7	5	0	0	0	0	0	41	2	0	0
11 Buena Vista	0	17	0	0	0	0	0	0	0	0	5	0	0	0	11	13	80	0	0	0
12 Butler	2	6	0	0	0	9	0	4	0	0	0	0	0	0	0	4	6	0	0	0
13 Calhoun	0	0	4	15	0	0	0	0	0	0	5	1	0	3	4	0	37	0	0	0
14 Carroll	0	7	0	11	0	0	0	0	0	0	2	0	0	0	11	0	35	0	0	0
15 Cass	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	42	8	0	0
16 Cedar	0	0	2	0	0	0	0	0	0	14	0	0	0	0	0	3	22	0	8	0
17 Cerro Gordo	2	13	0	5	6	10	0	0	0	0	0	0	0	2	0	0	161	10	0	0
18 Cherokee	0	0	0	0	0	0	0	0	0	0	2	0	6	0	25	0	12	6	0	0
19 Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	21	0	0	0
20 Clarke	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	14	0	0	3
21 Clay	0	0	0	16	0	0	0	0	0	15	10	0	0	2	0	2	37	0	0	0
22 Clayton	8	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	41	0	0	0
23 Clinton	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	50	0	18	2
24 Crawford	0	14	0	0	0	0	2	0	0	0	0	0	0	2	6	2	22	10	0	0
25 Dallas	10	4	8	0	6	0	0	6	0	0	0	0	0	0	0	2	348	2	0	0
26 Davis	0	0	0	0	0	3	0	0	0	0	0	0	7	0	0	0	7	0	0	0
27 Decatur	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	8
28 Delaware	0	2	0	13	0	1	0	0	0	0	0	0	0	0	0	0	18	0	0	0
29 Des Moines	0	0	0	4	0	0	0	3	0	0	0	0	0	0	0	0	53	0	0	0
30 Dickinson	0	0	0	0	0	0	2	0	6	0	2	2	0	6	0	2	20	2	0	0
31 Dubuque	4	0	14	21	0	2	0	0	0	12	2	0	0	0	0	0	280	0	0	0
32 Emmet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
33 Fayette	4	0	0	12	0	0	2	0	5	8	0	0	0	0	27	0	30	4	2	0
34 Floyd	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	30	0	13	0
35 Franklin	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	40	0	0	0
36 Fremont	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	30	12	0	0
37 Greene	4	0	0	17	8	0	9	0	0	0	0	0	0	5	9	8	12	0	11	0
38 Grundy	0	6	0	14	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0
39 Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	28	0	0	0
40 Hamilton	0	0	0	0	0	14	0	0	0	31	0	0	0	0	0	0	50	0	0	0
41 Hancock	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	28	0	0	0
42 Hardin	0	0	0	18	0	0	0	0	0	7	2	2	5	0	13	0	28	8	9	0
43 Harrison	0	0	0	15	0	0	2	0	0	0	0	0	0	0	0	0	10	30	0	0
44 Henry	0	0	14	5	0	0	0	0	0	14	0	0	0	0	15	0	19	0	0	0
45 Howard	0	0	0	0	0	2	0	0	0	0	0	0	0	11	0	0	9	0	0	0
46 Humboldt	0	0	0	4	0	0	2	0	6	0	0	0	0	0	0	8	18	19	0	0
47 Ida	2	0	0	0	0	0	0	0	0	0	2	0	0	0	5	0	6	15	0	0
48 Iowa	0	0	0	0	0	0	0	0	0	0	10	6	0	0	6	0	6	5	6	0
49 Jackson	0	8	0	8	0	0	0	5	0	0	0	0	0	0	0	3	24	2	0	3
50 Jasper	0	5	13	2	0	0	0	0	0	0	0	0	0	0	0	0	155	4	12	0



Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																			
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
51 Jefferson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
52 Johnson	13	18	30	33	0	14	0	0	12	71	0	0	14	2	6	3	919	49	48	6
53 Jones	0	0	2	0	0	0	0	0	2	0	0	0	0	4	0	0	22	0	0	0
54 Keokuk	0	11	0	0	0	0	2	0	0	0	0	0	0	0	0	0	8	0	0	0
55 Kossuth	0	0	0	0	0	0	2	0	0	0	0	0	0	2	13	4	63	0	0	0
56 Lee	0	8	0	0	0	0	0	0	0	15	0	0	0	0	0	0	129	0	0	0
57 Linn	6	0	0	12	0	0	0	0	0	11	2	0	0	6	8	0	428	0	6	4
58 Louisa	6	0	0	0	0	2	0	0	0	27	0	0	0	0	0	0	25	0	0	3
59 Lucas	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	34	0	0	0
60 Lyon	0	16	0	0	0	0	0	0	0	0	0	0	0	0	12	0	23	0	0	0
61 Madison	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0	0	0
62 Mahaska	0	----	35	14	5	0	0	0	0	0	4	0	0	0	2	0	32	4	12	2
63 Marion	5	29	----	13	0	0	0	0	0	0	0	0	5	3	0	0	205	8	0	5
64 Marshall	0	2	0	----	0	0	0	0	9	6	0	0	0	0	0	0	209	6	49	0
65 Mills	0	0	0	0	----	0	0	0	14	0	0	0	8	0	0	0	0	73	0	0
66 Mitchell	0	0	0	0	0	----	0	0	0	0	1	0	0	0	0	0	13	0	0	0
67 Monona	0	0	0	0	0	0	----	0	0	0	0	0	6	4	0	0	14	0	0	0
68 Monroe	0	0	26	0	0	0	0	----	0	0	0	0	0	0	0	0	10	0	0	0
69 Montgomery	0	0	10	2	12	0	0	0	----	0	2	0	11	0	6	0	0	8	0	0
70 Muscatine	12	0	0	0	0	0	0	0	18	----	0	0	0	0	0	3	53	7	0	0
71 O'Brien	0	0	16	0	0	0	0	0	0	7	----	3	6	0	13	7	33	0	2	0
72 Osceola	0	0	5	0	0	0	0	0	0	0	4	----	0	0	6	2	8	2	0	0
73 Page	0	0	0	0	4	0	0	0	0	0	4	0	----	0	0	0	13	12	0	2
74 Palo Alto	0	0	0	0	0	0	0	0	0	0	4	0	0	----	0	4	7	0	0	0
75 Plymouth	7	2	8	0	0	0	7	0	0	5	8	8	0	4	----	6	52	0	0	0
76 Pocahontas	6	0	0	0	0	0	0	0	0	0	0	0	0	10	0	----	14	0	0	0
77 Polk	93	14	45	33	0	0	0	0	15	0	2	6	7	6	8	15	----	45	25	7
78 Pottawattamie	0	6	5	0	26	0	0	0	8	0	0	0	0	0	7	0	103	----	0	0
79 Poweshiek	9	22	8	0	0	0	0	0	0	0	3	0	6	0	5	0	42	0	----	0
80 Ringgold	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	2	6	0	0	----
81 Sac	0	0	0	9	0	0	0	0	0	0	0	0	6	0	0	0	48	5	15	0
82 Scott	7	0	0	0	0	6	0	8	0	33	3	2	0	0	0	0	298	6	21	0
83 Shelby	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	62	51	0	0
84 Sioux	0	6	41	12	0	0	0	0	0	0	69	4	0	0	30	4	63	0	21	0
85 Story	9	0	49	120	12	0	4	0	10	36	2	4	23	2	7	2	1400	18	51	5
86 Tama	6	11	0	23	0	0	0	0	0	12	0	0	0	0	0	0	29	0	0	0
87 Taylor	0	0	0	0	0	0	0	0	2	0	0	0	25	0	0	0	9	0	0	1
88 Union	5	0	0	7	0	0	0	0	0	0	0	0	6	0	0	0	40	21	11	5
89 Van Buren	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Wapello	2	6	3	6	0	0	0	0	0	0	0	0	0	0	0	10	61	0	12	0
91 Warren	10	0	22	0	0	0	3	0	0	0	0	0	0	0	0	0	324	0	0	0
92 Washington	0	0	0	6	0	0	0	0	0	6	0	0	0	0	17	0	8	0	0	0
93 Wayne	0	0	9	0	0	0	0	0	0	21	0	0	0	0	0	0	6	0	0	0
94 Webster	0	19	0	6	6	0	0	0	9	0	4	0	0	1	0	4	150	6	4	0
95 Winnebago	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	37	0	0	0
96 Winneshiek	5	0	0	0	0	0	0	0	0	0	0	0	6	0	0	47	0	0	0	0
97 Woodbury	0	0	0	0	0	0	24	6	0	0	23	0	2	0	163	0	158	19	6	0
98 Worth	0	0	0	0	0	12	0	0	0	0	8	0	0	0	0	0	7	0	0	0
99 Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	35	6	16	0	0

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																		
	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
1 Adair	0	0	0	4	0	0	3	0	0	0	7	0	7	0	0	0	0	0	0
2 Adams	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Allamakee	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0
4 Appanoose	0	0	0	0	0	0	0	0	0	6	7	0	2	0	0	0	8	0	0
5 Audubon	0	0	5	9	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
6 Benton	0	0	0	0	0	10	0	0	0	0	0	13	0	10	0	4	0	0	4
7 Black Hawk	7	158	7	6	147	25	0	18	0	0	21	16	7	32	13	11	63	6	2
8 Boone	0	0	0	14	82	0	0	4	0	0	21	0	0	20	0	0	6	0	0
9 Bremer	0	32	0	2	31	2	0	0	0	0	0	2	0	16	0	0	0	2	0
10 Buchanan	0	0	0	0	13	0	0	0	0	0	0	0	0	19	0	0	0	0	0
11 Buena Vista	10	0	2	7	32	1	0	7	0	0	13	0	6	3	0	0	68	0	2
12 Butler	0	0	0	17	8	0	0	0	0	0	0	0	0	0	0	0	0	6	0
13 Calhoun	4	0	0	7	12	7	0	0	0	0	0	6	0	0	0	0	20	0	6
14 Carroll	30	0	1	3	37	0	0	0	0	0	12	0	2	2	0	0	19	0	2
15 Cass	3	0	6	0	7	0	0	24	0	0	12	0	0	25	0	0	9	0	0
16 Cedar	0	22	0	0	8	0	0	0	0	11	0	2	0	0	0	0	0	0	7
17 Cerro Gordo	0	27	0	0	46	0	0	0	0	15	6	0	0	7	16	4	8	25	8
18 Cherokee	0	9	7	1	14	1	0	0	0	4	0	0	0	0	0	0	6	6	5
19 Chickasaw	0	0	0	0	13	3	0	0	0	16	0	0	0	8	0	3	0	0	0
20 Clarke	0	0	0	0	28	0	0	0	0	0	11	0	2	0	0	0	0	0	0
21 Clay	4	0	0	8	8	0	0	0	0	0	0	0	0	33	0	0	18	0	0
22 Clayton	0	0	0	0	14	0	2	0	0	0	0	0	0	0	0	13	0	0	0
23 Clinton	0	91	0	0	27	0	0	0	0	0	0	0	0	0	0	3	7	0	0
24 Crawford	6	0	9	0	7	0	0	9	0	0	13	0	0	0	3	0	20	0	0
25 Dallas	0	0	0	0	41	0	0	0	9	7	13	6	0	5	0	0	19	0	0
26 Davis	0	0	0	0	6	4	0	0	4	44	0	0	0	0	0	0	0	0	0
27 Decatur	0	14	0	0	0	4	0	0	0	0	0	0	12	3	0	0	0	0	0
28 Delaware	0	5	0	4	26	5	2	0	0	2	0	0	0	6	0	17	0	0	0
29 Des Moines	5	42	0	0	8	0	0	0	0	11	0	0	0	0	2	0	8	0	0
30 Dickinson	0	8	0	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0	6
31 Dubuque	0	136	0	9	46	2	0	0	5	0	7	0	0	0	6	14	11	0	2
32 Emmet	0	0	5	0	10	0	0	0	0	0	0	0	0	2	0	2	18	2	0
33 Fayette	0	0	0	0	31	5	0	0	0	0	0	0	0	0	9	15	10	0	0
34 Floyd	0	8	0	0	29	0	0	0	0	18	0	0	0	0	0	0	0	0	0
35 Franklin	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	13	0	7
36 Fremont	0	0	2	0	0	0	0	0	2	0	8	0	0	0	0	9	0	0	0
37 Greene	0	0	0	0	10	0	0	0	0	0	4	0	0	2	0	0	6	0	0
38 Grundy	0	12	0	0	0	8	0	0	0	0	6	0	0	2	0	0	0	0	0
39 Guthrie	3	0	0	0	12	0	0	0	2	5	14	0	0	0	0	0	0	0	0
40 Hamilton	0	0	0	3	68	0	0	2	0	5	7	0	0	10	0	0	5	0	7
41 Hancock	1	10	0	0	17	0	2	0	0	11	0	0	0	0	31	0	0	4	13
42 Hardin	5	0	0	4	40	5	0	0	0	0	18	0	2	0	0	0	13	0	4
43 Harrison	0	0	10	0	5	0	0	0	0	0	0	0	0	0	0	0	27	0	8
44 Henry	0	9	0	0	5	4	0	0	0	0	0	14	0	0	0	2	2	0	0
45 Howard	0	0	0	0	10	0	0	0	0	2	0	0	0	4	0	18	0	0	0
46 Humboldt	0	0	0	2	13	0	0	0	0	0	5	0	0	6	2	0	0	0	0
47 Ida	14	0	11	0	28	0	0	0	0	0	0	0	2	0	0	0	12	0	0
48 Iowa	0	6	0	0	15	0	0	0	0	0	6	0	0	0	0	0	0	0	0
49 Jackson	0	33	0	0	0	6	0	0	0	0	0	0	0	0	0	7	0	0	0
50 Jasper	0	0	0	0	46	0	0	0	0	7	7	0	2	8	0	0	5	0	4

Table 8. Bachelor's Degree or + Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985 (continued).

1985 County of Residence	1990 County (by Number) of Residence																		
	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
51 Jefferson	0	29	0	0	0	0	0	0	0	9	2	7	0	0	0	0	0	0	0
52 Johnson	0	541	2	12	152	2	0	12	0	42	63	102	2	30	0	34	62	4	2
53 Jones	0	19	3	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Keokuk	0	0	0	0	0	0	0	0	0	14	0	10	0	0	0	0	0	0	0
55 Kossuth	0	7	5	4	12	0	0	0	0	0	0	0	0	0	11	0	5	0	10
56 Lee	0	23	0	0	19	0	0	0	9	5	0	6	0	6	0	2	13	0	0
57 Linn	0	69	7	0	87	15	0	0	2	11	19	13	2	12	0	2	27	0	0
58 Louisa	0	0	0	0	9	0	0	0	0	14	7	0	0	0	0	0	0	0	0
59 Lucas	0	0	0	0	19	0	0	0	0	0	8	0	2	3	0	0	0	0	0
60 Lyon	0	0	0	17	13	0	0	0	0	0	0	0	0	0	0	0	6	0	0
61 Madison	0	0	0	0	12	0	0	0	0	0	29	0	0	0	0	0	6	0	0
62 Mahaska	4	0	0	0	19	0	0	2	0	21	4	0	4	0	7	0	26	0	0
63 Marion	2	0	0	0	24	2	0	0	2	23	7	14	0	11	0	27	6	0	2
64 Marshall	0	0	0	0	77	32	0	0	0	13	7	0	0	11	8	0	10	0	10
65 Mills	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Mitchell	0	0	0	0	13	0	0	9	0	0	9	0	0	9	0	4	0	12	0
67 Monona	0	0	0	2	7	0	0	4	0	0	0	2	0	0	0	0	14	0	0
68 Monroe	0	0	0	12	0	0	0	0	0	11	0	0	2	0	0	0	0	0	0
69 Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Muscatine	0	118	0	0	24	14	0	0	0	0	21	4	0	0	0	0	6	0	0
71 O'Brien	0	0	0	22	16	0	0	0	0	0	0	0	0	0	0	6	7	0	0
72 Osceola	0	0	0	3	16	0	0	0	0	0	0	0	0	0	0	8	17	0	0
73 Page	0	0	0	0	6	1	3	0	0	0	0	0	0	0	0	0	0	0	0
74 Palo Alto	0	0	0	0	5	0	0	3	0	0	0	0	0	7	5	0	0	0	0
75 Plymouth	2	0	0	10	25	0	0	0	0	0	0	0	2	9	0	3	104	0	0
76 Pocahontas	10	0	0	0	21	0	0	0	0	0	0	0	2	27	0	0	6	3	0
77 Polk	9	120	0	8	240	9	2	27	2	22	395	14	0	41	0	9	82	2	4
78 Pottawattamie	2	31	12	14	38	0	3	0	0	0	6	7	0	5	0	0	2	5	0
79 Poweshiek	0	8	0	0	25	11	0	0	0	0	21	0	0	0	0	0	0	0	0
80 Ringgold	2	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	8	0	0
81 Sac	----	17	0	0	22	0	3	3	0	0	0	0	0	7	0	0	0	0	6
82 Scott	2	----	0	3	68	1	0	0	0	0	9	0	0	0	10	22	0	0	0
83 Shelby	0	0	----	0	11	0	0	0	0	0	0	0	0	0	0	0	12	0	0
84 Sioux	3	10	0	----	43	0	2	0	0	0	0	0	0	0	0	4	23	0	0
85 Story	13	102	63	7	----	8	6	18	2	6	53	30	2	37	8	33	82	8	38
86 Tama	2	7	0	0	26	----	0	0	0	0	0	0	0	0	0	0	12	0	0
87 Taylor	0	0	0	0	2	0	----	2	0	0	0	0	0	0	0	0	0	0	0
88 Union	0	4	0	0	7	0	6	----	0	7	6	0	0	0	0	0	0	0	0
89 Van Buren	0	11	0	0	0	5	0	0	----	4	0	0	0	0	0	0	0	0	0
90 Wapello	0	21	0	0	36	2	0	0	1	----	0	7	5	0	2	0	0	0	0
91 Warren	3	15	7	0	28	0	0	2	0	0	----	0	0	6	0	0	0	0	0
92 Washington	0	8	0	0	0	0	0	0	0	2	0	----	5	0	0	0	0	0	3
93 Wayne	0	0	0	0	0	0	0	0	2	0	0	0	----	0	0	0	0	0	0
94 Webster	4	30	0	0	47	0	0	0	2	0	0	0	0	----	0	4	50	0	5
95 Winnebago	0	0	0	0	7	2	0	0	0	0	0	0	0	0	----	0	0	4	0
96 Winneshiek	0	12	0	0	48	0	0	5	0	0	0	11	0	0	0	----	6	0	8
97 Woodbury	24	11	8	26	96	0	2	0	0	0	4	0	0	26	6	6	----	0	4
98 Worth	2	0	0	0	5	0	0	9	0	0	0	0	0	0	10	0	0	----	0
99 Wright	2	0	0	0	17	0	0	0	0	0	0	0	0	31	0	0	0	0	----

Table 9. Immigrants With Bachelor's Degree or +: Residents Who Lived in Another State in 1985 but in Iowa in 1990.

1990 County of Residence	1985 State of Residence*																
	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID	IL	IN	KS	KY
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	3	0	0	0	0	0	0	0	0	0	0	6	0	7	0
Allamakee	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Appanoose	2	0	0	0	2	6	0	0	0	5	0	0	0	11	0	5	0
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	9	0	0	0	5	8	0	0	0	0	0	0	0	28	5	0	0
Black Hawk	7	0	7	5	48	68	0	0	0	42	8	0	0	140	76	28	6
Boone	3	0	0	0	9	12	0	0	0	6	0	0	5	32	0	12	0
Bremer	0	0	0	7	5	7	0	0	0	2	18	0	6	28	0	0	0
Buchanan	0	0	0	0	13	2	0	0	0	0	0	0	0	0	5	33	0
Buena Vista	0	0	4	0	0	5	0	0	0	0	0	0	2	0	6	5	0
Butler	0	0	3	0	6	0	0	0	0	0	0	0	0	17	5	0	0
Calhoun	0	0	0	2	8	2	0	0	0	0	0	0	0	4	4	0	0
Carroll	0	0	2	0	11	2	0	0	7	0	0	0	0	0	16	0	0
Cass	0	0	0	2	0	0	0	0	0	5	0	0	0	7	0	0	0
Cedar	0	0	5	0	9	0	0	0	21	0	0	0	0	18	2	0	14
Cerro Gordo	9	0	3	16	22	7	0	2	0	17	8	0	0	57	0	21	17
Cherokee	0	0	0	8	7	0	0	0	0	8	0	0	0	6	0	15	0
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	14	9	0	0
Clarke	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	41	0	0	0	0	0	0	0	0	21	8	2	0
Clayton	0	2	0	0	0	2	0	0	0	0	0	0	0	27	2	0	0
Clinton	0	0	10	0	15	14	0	0	0	0	0	0	0	163	23	0	24
Crawford	7	0	5	0	0	0	0	0	0	0	0	0	0	2	0	12	0
Dallas	0	0	0	0	9	15	0	0	0	5	0	0	0	25	22	0	0
Davis	0	0	0	0	0	6	0	0	0	0	0	0	0	2	0	0	0
Decatur	0	0	0	0	12	0	0	0	0	0	0	0	0	0	4	14	0
Delaware	0	0	0	0	0	8	0	0	0	0	0	0	0	6	0	15	9
Des Moines	0	0	14	9	12	8	27	0	0	0	0	0	0	101	15	0	0
Dickinson	0	2	8	2	19	9	0	0	0	0	4	0	0	19	0	3	0
Dubuque	0	8	16	7	109	51	22	0	0	41	0	0	0	356	33	23	5
Emmet	0	5	0	0	4	7	0	0	0	0	0	0	0	0	0	2	0
Fayette	0	0	0	0	2	0	0	0	0	0	0	5	0	10	0	0	0
Floyd	8	0	0	0	7	0	0	0	0	0	0	0	0	6	0	10	6
Franklin	0	0	0	0	0	2	0	0	0	0	0	0	0	6	0	0	0
Fremont	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4
Greene	0	0	0	0	2	10	0	0	0	0	0	0	0	7	0	0	6
Grundy	0	0	0	0	0	0	0	0	0	2	0	2	2	10	0	0	0
Guthrie	0	0	0	0	5	4	0	0	0	0	0	0	0	0	0	11	0
Hamilton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hancock	0	0	0	0	5	0	0	0	0	0	0	0	0	6	0	6	0
Hardin	0	0	0	3	6	0	0	0	0	2	0	0	0	18	14	6	0
Harrison	0	0	7	0	12	4	5	0	0	6	0	0	0	0	0	11	0
Henry	0	7	0	0	0	5	0	0	0	6	13	0	0	25	15	4	12
Howard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ida	0	0	0	0	3	2	0	0	0	2	0	0	0	5	0	2	0
Iowa	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	2	7	0	0	0	0	0	4	0	7	7	19	0
Jasper	13	0	3	0	18	33	0	0	0	0	2	0	0	12	8	11	0

\*State names and abbreviations are included in Table 7

Table 9. Immigrants With Bachelor's Degree or +: Residents Who Lived in Another State in 1985 but in Iowa in 1990 (continued).

1990 County of Residence	1985 State of Residence*																
	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID	IL	IN	KS	KY
Jefferson	0	0	0	8	76	59	30	0	75	0	9	0	0	30	16	16	0
Johnson	14	49	111	0	454	95	40	6	8	106	32	77	21	949	146	141	0
Jones	0	0	5	0	3	0	0	0	0	5	0	0	0	23	0	0	0
Keokuk	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	2
Kossuth	0	0	0	2	14	4	0	0	0	3	0	0	0	0	9	0	0
Lee	0	0	0	0	9	18	0	0	0	2	0	0	0	72	0	11	0
Linn	18	17	93	0	214	109	12	0	0	33	40	0	8	389	145	94	5
Louisa	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Lyon	0	0	0	0	2	2	0	0	0	0	0	0	0	4	0	6	0
Madison	0	0	0	0	11	0	0	0	0	0	0	0	0	8	13	0	0
Mahaska	0	0	0	0	2	0	0	0	0	17	0	0	0	38	0	5	5
Marion	0	0	0	0	13	12	0	8	0	12	0	0	0	20	4	14	0
Marshall	0	0	0	0	5	6	0	0	0	7	7	0	0	42	25	12	0
Mills	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0
Mitchell	0	0	0	0	0	0	0	0	0	0	2	0	0	6	15	11	0
Monona	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	6	0
Monroe	0	0	0	0	12	0	0	0	0	2	0	0	0	0	0	0	0
Montgomery	0	0	2	0	0	2	0	0	0	0	0	0	0	10	0	8	0
Muscatine	5	0	6	10	14	22	7	0	0	14	17	0	0	100	0	17	0
O'Brien	0	0	2	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Osceola	0	0	0	0	3	10	0	0	0	0	0	0	0	5	0	3	0
Page	0	0	0	0	0	0	0	0	7	7	0	0	0	9	0	8	0
Palo Alto	0	0	0	0	0	5	0	0	0	0	0	0	0	2	0	0	0
Plymouth	0	0	0	0	2	2	0	0	0	7	0	0	0	6	0	0	0
Pocahontas	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0
Polk	19	7	187	59	479	293	51	0	39	140	84	47	22	1203	250	297	104
Pottawattamie	0	0	12	10	25	25	0	0	0	0	10	0	10	14	0	33	0
Poweshiek	3	2	25	0	10	8	0	0	0	9	0	7	0	37	0	15	17
Ringgold	0	0	2	0	6	5	0	0	0	5	0	0	0	3	0	0	0
Sac	0	0	0	0	0	0	0	0	0	6	0	0	0	0	1	2	0
Scott	28	11	55	100	161	111	10	0	7	103	23	0	5	1333	101	100	60
Shelby	0	0	5	0	14	0	0	0	0	0	8	0	0	4	0	0	0
Sioux	0	0	8	0	14	11	0	0	5	7	4	0	0	13	17	0	0
Story	10	25	25	37	143	137	30	0	15	23	0	5	11	301	65	54	8
Tama	0	0	5	0	3	4	0	0	0	0	0	0	0	4	0	6	4
Taylor	0	0	7	0	2	6	0	0	0	0	0	0	0	11	0	0	0
Union	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0
Van Buren	0	0	0	0	22	0	0	0	0	0	0	0	0	2	12	0	0
Wapello	0	0	6	0	0	6	0	0	0	0	0	8	0	50	7	5	0
Warren	0	0	0	0	0	0	0	0	0	0	5	0	0	32	27	17	2
Washington	0	2	0	3	20	0	4	0	0	0	0	11	0	25	0	8	0
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	4	2
Webster	0	0	13	12	14	0	0	0	0	9	0	0	0	49	2	23	0
Winnebago	0	0	0	0	0	16	0	0	0	0	0	0	0	18	0	0	0
Winneshiek	0	13	0	9	17	7	0	0	0	0	7	0	0	21	12	26	0
Woodbury	0	0	6	26	61	55	0	0	0	15	0	8	0	104	36	29	29
Worth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	2	6	0	0	0	4	0	0	0	0	4	11	0	0

Table 9. Immigrants With Bachelor's Degree or +: Residents Who Lived in Another State in 1985 but in Iowa in 1990 (continued).

1990 County of Residence	1985 State of Residence*																
	LA	ME	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND
Adair	0	0	3	0	0	2	0	5	0	9	0	0	0	2	0	0	0
Adams	0	0	0	0	0	0	0	9	0	2	0	0	0	0	0	0	0
Allamakee	0	0	0	0	4	8	0	0	0	0	0	0	0	0	0	0	0
Appanoose	0	0	0	0	16	0	0	21	0	16	0	0	0	0	0	0	0
Audubon	0	0	0	0	0	0	0	6	0	8	0	0	0	0	0	0	0
Benton	7	0	9	0	0	4	0	4	0	4	0	7	0	0	0	0	3
Black Hawk	38	6	17	9	58	105	0	12	0	33	0	0	18	5	54	11	0
Boone	0	0	0	0	0	8	0	40	0	10	0	0	0	0	0	0	0
Bremer	0	0	0	11	18	54	3	0	5	0	0	0	8	0	0	12	0
Buchanan	0	0	0	0	0	7	0	2	0	0	0	0	0	0	0	0	0
Buena Vista	0	0	0	4	7	15	0	17	0	25	0	0	0	0	0	0	0
Butler	0	0	0	0	0	9	0	7	0	4	0	4	0	0	2	0	0
Calhoun	0	0	0	0	0	4	0	0	0	15	0	0	5	0	0	0	2
Carroll	3	0	0	0	14	36	0	18	4	39	0	0	0	0	0	4	0
Cass	0	0	0	0	10	9	0	7	0	45	0	0	0	0	0	0	5
Cedar	2	0	0	2	2	2	0	2	6	4	0	0	0	0	3	0	2
Cerro Gordo	0	0	0	0	15	91	0	28	0	23	3	0	33	0	0	0	13
Cherokee	20	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
Chickasaw	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0
Clarke	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	12	34	0	2	0	30	0	0	0	0	0	0	0
Clayton	0	0	0	0	4	15	0	0	0	5	0	0	0	0	0	0	0
Clinton	6	0	0	7	23	2	9	12	0	12	0	0	0	0	0	11	5
Crawford	0	0	0	0	0	6	0	4	0	2	2	0	0	0	2	0	2
Dallas	2	0	2	0	2	24	0	37	0	14	0	0	0	5	21	0	0
Davis	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0
Decatur	0	0	0	2	4	4	0	11	0	9	0	0	0	0	3	0	0
Delaware	0	0	0	0	0	4	0	6	0	0	0	0	0	0	0	0	0
Des Moines	0	7	0	6	11	23	7	29	0	36	0	0	0	0	36	19	0
Dickinson	4	0	0	0	8	14	0	0	0	11	4	0	0	2	0	0	9
Dubuque	25	0	21	6	30	142	0	28	12	89	8	0	7	0	43	20	7
Emmet	0	0	0	0	0	22	0	6	0	11	0	0	0	0	0	0	7
Fayette	2	0	0	0	8	9	0	24	0	2	0	0	0	6	0	6	0
Floyd	0	4	0	0	0	26	0	7	0	0	0	0	4	0	0	0	0
Franklin	0	0	0	0	0	9	0	20	0	0	0	0	0	0	0	0	0
Fremont	2	0	0	0	0	0	0	4	0	33	0	0	0	0	0	0	0
Greene	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	6
Grundy	0	0	0	0	17	2	0	5	3	16	0	0	0	0	0	0	2
Guthrie	0	0	0	0	0	0	0	6	0	1	2	0	0	0	1	0	0
Hamilton	0	0	0	0	4	7	0	34	0	16	0	0	0	0	0	0	0
Hancock	0	0	0	0	4	7	0	0	0	6	0	0	0	0	0	0	0
Hardin	0	0	0	0	0	3	0	20	4	10	0	0	2	0	12	0	2
Harrison	0	0	0	0	5	31	0	7	3	72	0	0	0	0	0	3	0
Henry	0	0	0	0	18	3	12	31	0	10	0	0	0	0	0	0	0
Howard	0	0	0	0	0	6	0	6	0	2	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	5	0	0	4	31	0	0	0	0	0	0	0
Ida	0	0	0	0	0	6	0	6	0	22	0	0	0	0	0	2	0
Iowa	0	0	0	0	0	4	0	17	4	19	0	5	0	6	0	0	4
Jackson	5	0	0	0	0	7	0	2	0	0	0	0	3	0	0	0	0
Jasper	0	0	0	0	4	9	0	9	2	19	0	0	0	16	20	13	0

\*State names and abbreviations are included in Table 7

Table 9. Immigrants With Bachelor's Degree or +: Residents Who Lived in Another State in 1985 but in Iowa in 1990  
(continued).

1990 County of Residence	1985 State of Residence*																
	LA	ME	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND
Jefferson	0	7	16	13	10	3	0	49	0	0	0	3	22	23	86	0	0
Johnson	91	5	111	121	173	417	39	288	58	191	8	20	54	92	292	107	52
Jones	0	0	0	0	11	0	0	0	0	17	0	0	0	0	0	0	0
Keokuk	0	0	0	0	0	8	0	12	0	2	0	0	0	0	0	0	0
Kossuth	3	0	0	0	0	42	0	15	0	19	0	0	0	0	0	0	7
Lee	0	0	0	0	6	0	0	51	0	0	0	0	0	0	2	0	0
Linn	13	12	7	6	73	260	0	141	15	179	0	19	8	14	53	14	82
Louisa	0	0	3	0	4	9	0	0	0	5	0	0	0	0	3	0	0
Lucas	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0
Lyon	0	0	0	0	8	20	0	2	0	6	0	0	0	0	0	0	16
Madison	0	0	0	0	0	6	0	10	0	7	0	0	0	0	0	0	0
Mahaska	0	0	0	0	14	27	8	13	0	24	0	0	0	0	0	0	11
Marion	0	0	0	0	62	6	0	6	0	36	0	0	12	0	13	0	0
Marshall	0	0	0	7	26	41	0	39	0	38	0	0	0	0	2	16	0
Mills	0	0	0	0	4	0	0	22	0	86	0	0	0	0	0	0	0
Mitchell	0	0	16	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Monona	0	0	0	0	0	2	0	8	0	32	0	0	0	0	0	0	0
Monroe	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Montgomery	0	0	0	0	0	23	0	23	14	48	0	0	0	7	0	5	0
Muscatine	0	0	0	0	11	32	0	69	0	6	0	0	0	7	0	0	7
O'Brien	0	0	0	0	2	17	0	0	0	34	0	0	0	5	0	0	0
Osceola	21	0	0	0	4	20	0	0	0	0	0	0	0	0	0	0	0
Page	0	0	0	0	0	3	0	26	7	22	0	0	2	0	0	0	0
Palo Alto	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
Plymouth	0	0	0	0	4	12	0	6	0	45	0	0	0	0	0	0	0
Pocahontas	0	0	0	0	0	2	0	0	0	4	0	0	0	3	5	0	4
Polk	65	23	58	90	187	686	16	719	50	672	5	29	87	25	131	68	98
Pottawattamie	0	0	0	4	20	11	0	76	0	409	0	0	0	19	22	12	7
Poweshiek	0	0	0	7	30	21	0	37	0	35	0	0	0	0	0	0	0
Ringgold	0	0	0	0	0	0	0	14	0	2	0	0	0	0	0	0	0
Sac	0	0	0	0	0	8	0	10	0	19	0	0	0	0	0	0	2
Scott	22	18	45	40	141	139	21	128	12	63	10	0	67	8	158	47	37
Shelby	1	0	0	0	21	5	0	14	0	54	0	0	0	0	0	0	5
Sioux	0	0	0	0	48	49	0	11	4	23	0	0	7	0	0	0	6
Story	42	7	27	22	38	282	15	148	6	205	6	0	52	28	67	69	45
Tama	0	0	7	0	0	4	0	2	0	0	0	0	1	0	14	0	0
Taylor	0	0	0	0	0	0	0	6	0	4	0	0	0	0	2	0	0
Union	0	0	0	0	0	4	0	35	0	19	0	0	0	0	0	0	0
Van Buren	0	0	0	0	0	2	0	17	0	0	0	0	0	0	0	0	0
Wapello	0	0	0	0	5	0	0	29	0	25	0	0	0	0	5	30	0
Warren	0	0	0	0	10	40	0	28	0	9	0	0	0	0	7	0	0
Washington	0	0	0	0	0	0	0	8	0	10	0	0	0	0	0	0	8
Wayne	0	0	0	0	0	6	0	21	0	0	0	0	0	0	0	0	2
Webster	0	0	14	0	11	108	0	71	6	50	0	0	24	0	7	0	0
Winnebago	0	0	0	0	2	54	0	6	0	0	0	0	0	0	0	0	6
Winneshiek	5	0	0	0	0	125	0	17	0	0	0	0	0	0	0	0	14
Woodbury	20	0	22	24	34	85	9	75	30	356	0	0	8	14	0	0	8
Worth	0	0	0	0	0	7	0	0	0	3	0	0	0	0	2	0	0
Wright	0	0	0	2	0	9	0	34	0	15	0	0	0	0	0	0	0

Table 9. Immigrants With Bachelor's Degree or +: Residents Who Lived in Another State in 1985 but in Iowa in 1990 (continued).

1990 County of Residence	1985 State of Residence*															
	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	2	0	0	0	0	4	0	0	4	0
Allamakee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
Appanoose	0	11	0	0	0	0	0	0	21	0	0	0	0	0	22	0
Audubon	0	0	0	0	0	0	2	0	0	0	0	0	0	0	6	0
Benton	0	8	0	2	0	0	0	0	0	0	0	0	0	0	5	0
Black Hawk	69	7	7	30	0	12	58	33	106	0	0	16	23	7	98	5
Boone	0	6	0	0	0	0	8	0	42	0	0	8	0	0	31	0
Bremer	0	0	0	0	0	0	7	0	29	3	0	20	0	0	7	2
Buchanan	0	0	0	0	0	0	15	0	17	0	0	0	0	0	4	0
Buena Vista	0	2	0	9	0	0	28	0	16	0	0	0	0	0	22	0
Butler	0	2	0	2	0	0	0	0	2	0	0	0	0	0	2	0
Calhoun	0	0	0	9	0	0	7	0	0	0	0	2	0	0	0	0
Carroll	0	5	0	0	0	0	0	0	24	0	0	0	0	0	8	0
Cass	6	0	0	0	0	0	7	0	6	0	0	0	0	2	0	0
Cedar	3	2	0	10	0	0	3	0	0	5	0	0	0	0	0	0
Cerro Gordo	16	2	0	15	0	0	40	0	18	0	0	0	0	0	56	5
Cherokee	0	0	0	0	0	0	18	8	5	0	0	0	0	0	0	0
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	0	0	46	0	12	0	0	0	0	0	0	5
Clayton	0	0	0	0	0	0	2	0	0	0	0	0	0	0	32	6
Clinton	33	0	0	6	0	0	0	0	46	11	0	0	11	10	17	0
Crawford	0	0	0	0	0	0	6	0	5	0	0	0	0	0	2	0
Dallas	16	0	0	4	0	0	7	0	48	0	0	2	0	0	28	0
Davis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decatur	9	12	0	0	0	0	3	0	2	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
Des Moines	19	11	0	0	0	21	13	0	14	0	0	0	11	7	0	0
Dickinson	0	0	6	0	0	0	45	0	15	0	0	0	4	0	5	0
Dubuque	41	7	11	0	0	5	18	26	75	0	0	0	23	0	200	0
Emmet	5	0	0	0	0	0	12	0	0	0	0	0	0	0	2	0
Fayette	0	0	0	0	0	0	9	2	0	0	0	4	1	0	5	0
Floyd	8	8	0	0	0	0	0	14	5	0	0	0	0	0	0	0
Franklin	7	0	0	0	0	0	13	0	15	0	0	0	0	0	11	0
Fremont	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grundy	0	0	0	2	0	0	0	0	0	0	0	2	0	0	2	0
Guthrie	4	0	0	0	0	0	6	0	6	0	0	0	0	0	2	0
Hamilton	0	0	0	0	0	0	14	0	0	0	0	0	0	0	4	0
Hancock	2	0	0	0	0	0	0	0	0	0	0	3	17	0	11	0
Hardin	0	0	0	10	0	0	0	9	2	0	0	6	0	0	2	0
Harrison	0	0	0	0	0	0	0	0	4	6	0	0	0	0	0	0
Henry	7	0	0	0	0	0	0	0	20	0	0	0	0	0	2	0
Howard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Humboldt	0	6	0	0	0	0	9	0	0	0	0	0	0	0	0	0
Ida	0	0	0	0	0	0	10	0	6	0	0	3	0	0	0	0
Iowa	0	0	0	20	0	0	2	0	6	0	0	0	0	0	2	0
Jackson	0	0	2	0	0	0	0	0	10	0	0	0	0	0	13	6
Jasper	2	0	0	0	0	0	9	7	11	0	0	0	4	0	23	0

\*State names and abbreviations are included in Table 7



Table 9. Immigrants With Bachelor's Degree or +: Residents Who Lived in Another State in 1985 but in Iowa in 1990 (continued).

1990 County of Residence	1985 State of Residence*															
	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Jefferson	29	18	31	0	12	0	0	0	29	13	0	6	6	0	26	0
Johnson	191	41	45	82	26	26	54	24	228	59	0	103	101	8	316	9
Jones	2	0	5	0	0	0	0	0	0	0	0	0	0	0	13	0
Keokuk	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0
Kossuth	9	0	0	0	0	0	11	0	6	0	0	3	0	0	4	0
Lee	16	11	5	5	0	0	0	13	36	0	0	0	0	0	11	0
Linn	120	39	7	74	8	24	108	7	256	0	0	31	47	0	204	17
Louisa	0	0	0	8	0	0	0	0	0	0	0	0	2	0	4	0
Lucas	0	0	0	0	0	0	13	0	6	0	0	0	0	0	0	0
Lyon	0	0	0	0	0	0	41	0	4	0	0	5	0	0	5	2
Madison	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Mahaska	27	11	0	0	0	6	2	0	0	0	0	0	6	0	4	0
Marion	0	16	0	5	0	1	19	0	10	0	0	0	0	0	21	0
Marshall	2	0	0	7	0	23	4	6	24	0	0	0	8	0	0	0
Mills	11	0	0	0	0	0	6	0	13	0	0	0	0	0	0	0
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5
Monona	0	0	0	0	0	0	2	0	0	0	0	0	6	0	0	0
Monroe	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
Montgomery	0	6	0	0	0	0	0	0	12	0	0	0	0	0	13	0
Muscatine	0	26	0	16	0	0	7	0	5	0	0	0	11	0	16	0
O'Brien	0	4	0	0	0	0	29	0	4	0	0	0	0	0	0	0
Osceola	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Page	6	12	0	0	0	0	25	0	13	0	0	0	0	0	0	12
Palo Alto	2	14	0	0	0	0	6	0	0	0	0	0	0	0	8	0
Plymouth	0	0	0	0	0	0	47	0	0	0	0	0	11	0	0	0
Pocahontas	0	0	0	0	0	0	4	0	0	0	0	0	0	0	2	0
Polk	155	93	70	148	0	46	248	90	385	47	0	106	54	0	455	25
Pottawattamie	8	0	5	0	0	2	16	0	59	0	0	0	5	0	2	3
Poweshiek	7	0	0	0	18	0	20	0	4	0	0	0	1	0	21	4
Ringgold	9	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Sac	0	0	0	0	0	0	3	0	0	0	0	3	0	0	5	0
Scott	113	82	6	107	11	37	20	39	126	34	0	81	71	9	396	0
Shelby	0	5	0	0	0	0	8	0	0	0	0	10	8	0	6	0
Sioux	6	0	8	0	0	9	30	0	10	0	0	0	38	0	19	0
Story	60	39	14	36	0	14	79	4	137	23	15	47	58	9	84	30
Tama	0	5	0	0	0	0	6	5	11	2	0	0	2	0	11	0
Taylor	0	0	0	0	0	0	2	0	4	0	0	0	0	0	2	0
Union	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Van Buren	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	0	13	6	0	0	0	12	33	21	0	0	7	0	0	6	15
Warren	0	0	0	7	0	0	28	0	34	11	0	12	12	0	0	0
Washington	10	0	0	0	0	0	0	0	9	2	0	0	0	0	0	0
Wayne	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	4
Webster	7	21	9	0	0	0	52	0	28	3	0	11	0	0	18	0
Winnebago	0	0	6	0	0	0	6	0	3	0	0	0	0	2	0	0
Winneshiek	4	0	0	0	0	0	20	0	6	0	0	14	6	0	21	6
Woodbury	33	30	2	0	0	20	315	10	67	16	14	7	0	0	52	26
Worth	0	2	0	0	0	2	4	0	0	0	0	0	0	0	6	0
Wright	0	2	0	0	0	2	12	0	6	0	0	0	0	0	0	11

Table 10. Outmigrants With Bachelor's Degree or +: Residents Who Lived in Iowa in 1985 but in Another State in 1990.

1985 County of Residence	1990 State of Residence*																
	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID	IL	IN	KS	KY
Adair	0	4	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	3	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	0	0	10	16	8	12	0	0	0	9	7	0	0	7	15	16	9
Audubon	0	0	9	0	7	0	0	0	0	0	0	0	0	6	0	13	0
Benton	0	0	31	0	19	0	0	0	0	0	8	0	10	9	0	0	0
Black Hawk	39	0	200	24	277	139	6	0	0	155	74	9	0	553	110	130	26
Boone	0	0	15	10	51	8	0	0	0	0	0	4	0	85	51	31	0
Bremer	0	0	30	0	27	14	7	0	13	38	0	7	0	60	0	0	0
Buchanan	0	0	0	0	9	5	0	0	0	9	0	0	0	25	14	0	0
Buena Vista	0	0	74	0	23	40	0	6	0	15	22	0	0	73	0	15	0
Butler	0	0	8	0	14	0	0	0	0	8	22	0	0	24	7	0	0
Calhoun	0	0	23	0	19	0	0	0	0	5	0	0	0	24	0	0	7
Carroll	0	0	11	0	11	12	0	0	0	0	2	0	0	24	13	2	0
Cass	0	0	23	0	7	11	0	0	0	0	0	0	0	0	5	33	12
Cedar	0	0	0	0	0	0	0	0	0	18	0	0	0	48	11	4	13
Cerro Gordo	0	0	66	2	18	48	0	0	0	16	0	0	0	127	9	52	10
Cherokee	0	0	0	0	4	0	0	0	0	20	0	0	0	18	0	0	0
Chickasaw	0	0	22	0	15	13	0	0	0	0	0	0	0	15	0	0	17
Clarke	0	0	8	0	0	0	0	0	0	0	10	0	0	0	0	5	0
Clay	0	0	28	0	29	11	6	0	0	6	0	0	0	6	0	30	0
Clayton	0	0	17	0	18	0	0	0	0	18	7	7	0	35	0	0	0
Clinton	0	6	24	0	57	26	0	0	13	34	0	0	0	206	9	21	0
Crawford	8	0	26	0	15	0	0	0	0	5	0	7	10	62	0	0	0
Dallas	0	0	8	0	8	5	0	0	0	46	0	0	0	36	0	38	2
Davis	0	0	0	0	10	0	0	0	0	9	0	0	0	14	9	7	0
Decatur	0	0	15	0	12	5	0	0	0	0	3	0	0	0	16	67	0
Delaware	0	0	8	0	0	0	0	0	0	15	0	0	0	46	0	10	8
Des Moines	0	0	54	0	27	7	0	0	0	64	6	0	7	201	26	19	11
Dickinson	0	0	64	0	37	43	0	0	0	29	0	0	0	27	0	0	0
Dubuque	18	0	93	8	121	28	13	0	9	131	35	0	6	537	57	26	18
Emmet	0	0	24	9	5	23	0	0	0	0	0	0	0	14	0	21	14
Fayette	18	0	16	0	9	12	0	0	13	10	0	0	0	56	0	8	0
Floyd	0	0	0	4	11	0	0	0	0	39	25	0	0	31	7	52	0
Franklin	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
Fremont	0	0	0	2	0	15	0	0	0	0	0	0	0	14	0	21	0
Greene	0	0	6	0	5	0	0	0	0	13	0	0	0	8	0	0	0
Grundy	0	0	7	0	0	6	0	0	0	6	0	0	0	34	0	0	0
Guthrie	0	0	10	19	25	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	0	0	22	0	22	22	13	0	0	29	10	0	0	12	0	2	0
Hancock	0	0	0	0	28	6	0	0	0	0	0	0	0	9	0	4	0
Hardin	0	0	17	0	42	8	0	0	0	18	0	0	0	42	0	20	0
Harrison	0	0	0	6	23	0	0	10	0	0	0	0	4	0	14	22	0
Henry	0	0	23	0	57	24	0	0	0	13	0	0	0	21	15	2	0
Howard	0	0	0	0	0	0	0	0	0	0	15	0	0	5	6	14	0
Humboldt	0	0	20	0	0	17	0	0	0	0	0	0	0	36	5	0	0
Ida	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7	0
Iowa	0	0	0	6	0	0	0	0	0	0	8	0	0	21	20	0	18
Jackson	0	3	5	0	0	4	0	0	0	0	0	0	2	31	0	0	0
Jasper	0	0	25	8	11	19	0	0	0	8	11	0	0	63	31	21	0

\*State names and abbreviations are included in Table 7.

Table 10. Outmigrants With Bachelor's Degree or +: Residents Who Lived in Iowa in 1985 but in Another State in 1990 (continued).

1985 County of Residence	1990 State of Residence*																
	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID	IL	IN	KS	KY
Jefferson	5	5	8	0	35	12	17	0	5	65	0	22	0	53	0	0	0
Johnson	69	19	357	49	1215	391	138	0	93	345	133	13	54	2244	141	452	109
Jones	0	0	17	0	22	26	0	0	0	4	0	0	0	24	20	8	0
Keokuk	0	0	6	0	0	3	0	0	0	0	0	0	0	22	0	0	0
Kossuth	0	0	38	0	29	23	0	0	0	0	0	0	0	38	0	0	0
Lee	7	7	0	0	10	0	10	0	0	37	0	0	0	129	7	28	0
Linn	54	4	248	44	208	126	30	0	17	371	53	0	5	723	74	185	32
Louisa	0	0	0	0	0	18	0	0	0	0	0	0	0	18	22	14	0
Lucas	0	0	0	0	6	0	0	0	0	9	15	0	3	10	0	0	0
Lyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	5	10	0	24	3	0	0	0	0	0	0	0	16	0	24	0
Mahaska	0	0	20	5	23	28	0	0	0	8	0	0	0	46	40	8	0
Marion	4	0	26	0	33	15	0	0	6	67	0	16	0	117	12	17	11
Marshall	5	0	19	9	54	42	0	0	0	49	0	0	0	55	23	15	7
Mills	0	0	0	0	17	0	0	0	0	7	0	0	0	8	0	17	0
Mitchell	0	0	14	0	5	0	0	0	6	0	0	0	0	6	0	0	0
Monona	7	0	0	0	9	12	0	0	0	0	0	0	14	0	0	0	0
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	2	0
Montgomery	0	0	0	0	15	8	0	0	0	0	0	0	0	0	0	0	0
Muscatine	0	0	11	0	32	0	0	0	0	27	23	0	10	167	32	21	16
O'Brien	0	0	29	0	19	13	0	0	0	0	9	0	0	9	21	0	0
Osceola	0	0	0	8	8	0	0	0	0	10	0	0	0	7	0	8	0
Page	0	0	0	7	8	38	0	0	0	9	0	0	0	8	41	24	0
Palo Alto	0	13	0	0	6	0	0	0	0	0	0	0	0	15	0	0	0
Plymouth	0	0	10	25	29	10	0	0	0	47	0	0	0	32	12	46	0
Pocahontas	0	0	0	2	0	13	0	0	0	0	0	0	0	11	0	0	0
Polk	53	18	445	146	728	399	98	37	45	521	161	20	26	1482	207	425	94
Pottawattamie	0	0	48	0	78	68	25	0	0	55	12	0	14	45	5	62	8
Poweshiek	0	0	12	0	79	28	5	11	88	0	0	0	0	73	36	18	8
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0
Sac	0	0	0	0	0	0	0	0	0	6	0	0	0	11	0	6	0
Scott	32	18	174	49	334	143	65	0	0	339	212	0	13	1669	196	114	80
Shelby	0	0	22	12	0	15	0	0	0	21	0	0	7	40	0	0	0
Sioux	0	3	33	0	72	34	0	0	7	22	33	0	4	115	6	22	17
Story	46	19	283	67	949	376	51	31	25	292	147	61	29	1329	337	296	91
Tama	0	0	22	0	20	32	0	0	0	0	0	0	0	56	0	0	0
Taylor	6	0	6	0	0	0	0	0	0	8	0	0	0	0	0	0	0
Union	0	0	15	0	23	11	6	0	0	6	0	0	0	36	26	13	0
Van Buren	0	0	0	0	0	0	0	0	0	6	0	0	0	27	0	3	9
Wapello	0	0	30	0	47	45	0	0	0	21	15	0	12	41	0	24	2
Warren	7	0	27	0	0	12	8	0	0	44	33	0	0	87	31	22	0
Washington	0	0	0	0	26	0	0	0	7	7	14	7	0	60	28	9	0
Wayne	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	11	0
Webster	2	0	55	8	62	27	5	0	0	16	9	0	0	79	7	42	0
Winnebago	0	0	14	0	0	0	0	0	0	0	0	0	0	6	0	8	10
Winneshiek	0	0	15	0	36	48	23	0	0	0	22	0	0	146	36	0	0
Woodbury	0	15	133	35	245	102	0	0	9	86	31	0	20	160	36	96	16
Worth	0	0	0	0	0	0	0	0	0	0	2	0	0	9	6	0	2
Wright	9	0	17	14	0	0	0	0	0	6	0	0	0	12	0	0	0

Table 10. Outmigrants With Bachelor's Degree or +: Residents Who Lived in Iowa in 1985 but in Another State in 1990 (continued).

1985 County of Residence	1990 State of Residence*																
	LA	ME	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND
Adair	0	0	0	0	0	7	0	36	0	7	0	0	0	0	0	0	0
Adams	0	0	0	0	0	2	0	25	0	0	0	0	0	0	0	0	0
Allamakee	0	0	0	10	0	64	0	0	0	3	0	0	0	0	0	0	0
Appanoose	0	0	0	0	0	9	0	77	0	0	0	0	0	0	0	0	2
Audubon	0	0	0	0	0	18	0	6	0	16	0	0	0	0	2	1	0
Benton	0	0	0	9	0	23	0	9	0	0	0	0	0	0	0	11	0
Black Hawk	29	12	13	25	97	727	13	357	0	132	18	0	21	20	54	67	28
Boone	0	2	13	0	19	43	0	29	15	22	0	9	0	8	9	32	0
Bremer	0	0	6	0	22	95	0	56	15	45	11	0	0	0	0	15	0
Buchanan	0	0	0	0	8	20	0	3	0	0	0	0	5	0	0	0	0
Buena Vista	0	0	0	0	0	58	11	12	0	46	0	0	0	4	6	0	0
Butler	0	0	0	0	11	20	0	26	0	0	0	0	0	0	0	2	0
Calhoun	0	0	0	0	0	3	0	7	0	34	0	0	0	0	0	0	0
Carroll	0	0	0	16	0	26	0	16	0	49	0	0	9	0	0	0	0
Cass	0	0	0	0	11	0	0	37	2	9	0	0	0	0	0	0	0
Cedar	0	0	0	0	0	44	0	7	10	0	0	0	0	0	0	0	4
Cerro Gordo	0	0	9	10	26	256	0	42	7	49	10	8	0	0	20	5	0
Cherokee	0	0	0	0	0	27	0	11	0	6	0	0	0	0	0	0	11
Chickasaw	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	6	0
Clarke	0	0	0	0	0	2	0	0	0	0	0	0	6	0	0	0	0
Clay	0	0	0	0	0	65	0	33	0	8	14	0	0	0	0	0	13
Clayton	0	0	0	0	0	22	0	24	0	0	0	0	0	0	2	0	10
Clinton	6	0	0	0	40	46	0	3	4	5	0	0	10	9	31	7	0
Crawford	0	0	0	0	0	9	0	42	0	70	0	0	9	0	0	0	0
Dallas	0	0	0	0	0	20	0	21	0	39	0	0	0	0	0	0	0
Davis	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Decatur	0	0	0	6	6	7	10	74	0	6	0	0	13	0	0	0	0
Delaware	0	0	0	0	2	44	0	11	0	0	0	0	0	0	7	0	0
Des Moines	0	0	7	0	25	29	2	103	7	54	0	11	7	30	0	0	0
Dickinson	0	0	0	0	4	39	0	20	0	48	18	0	0	0	7	0	8
Dubuque	7	0	17	18	38	260	0	106	8	44	35	0	21	0	26	7	20
Emmet	0	0	0	0	14	77	0	8	0	7	0	0	0	0	0	8	0
Fayette	0	0	0	0	0	48	0	52	0	21	0	0	0	0	0	2	0
Floyd	0	0	11	0	7	88	0	0	0	9	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	7	0	15	0	0	0	0	0	0	9	0	0
Fremont	0	0	0	0	0	0	0	4	0	62	0	0	0	0	0	0	8
Greene	0	0	0	0	0	21	0	22	10	10	0	0	9	0	0	0	0
Grundy	7	0	0	0	35	16	0	13	0	6	0	0	0	0	0	0	0
Guthrie	0	0	0	0	4	9	0	0	0	0	0	0	0	0	42	0	0
Hamilton	0	0	0	0	4	12	0	2	0	7	0	0	0	0	7	8	0
Hancock	0	0	0	0	2	86	0	0	0	0	0	0	0	6	2	0	15
Hardin	0	0	0	0	4	14	0	33	0	7	8	0	0	0	7	6	0
Harrison	0	9	0	0	7	8	6	0	0	72	0	0	0	0	0	0	0
Henry	6	0	0	0	6	1	5	48	0	11	9	0	0	6	35	0	0
Howard	0	2	0	0	0	66	0	0	0	0	9	0	0	0	0	0	0
Humboldt	0	0	0	0	0	46	0	0	0	3	0	0	6	0	16	0	5
Ida	0	0	0	0	0	21	0	0	0	21	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	7	0	15	5	0	0	3	0	0	0	2	0
Jackson	0	0	0	0	0	14	0	6	0	14	0	0	0	0	19	0	5
Jasper	0	0	0	0	2	15	0	52	0	11	0	0	0	0	8	6	0

\*State names and abbreviations are included in Table 7.

Table 10. Outmigrants With Bachelor's Degree or +: Residents Who Lived in Iowa in 1985 but in Another State in 1990 (continued).

1985 County of Residence	1990 State of Residence*																
	LA	ME	MD	MA	MI	MN	MS	MO	MT	NE	NV	NH	NJ	NM	NY	NC	ND
Jefferson	0	0	39	25	15	11	0	67	0	6	6	0	17	0	155	0	0
Johnson	39	59	209	160	355	933	32	592	43	266	43	40	185	71	399	223	58
Jones	9	0	0	8	12	26	0	7	0	0	0	0	0	0	3	0	0
Keokuk	0	0	0	0	0	2	0	19	0	2	0	0	0	0	0	0	0
Kossuth	0	0	0	0	0	79	0	0	0	45	0	0	0	0	0	14	0
Lee	9	0	7	0	16	4	0	122	13	14	4	0	7	0	17	6	0
Linn	8	0	79	81	94	467	0	284	0	86	16	9	36	27	68	37	7
Louisa	0	0	0	0	0	10	0	0	0	7	0	0	0	0	0	0	0
Lucas	0	0	0	0	0	13	0	19	0	24	0	0	0	0	0	0	0
Lyon	0	0	0	0	14	53	0	6	0	6	0	0	0	0	0	0	0
Madison	0	0	0	0	0	16	0	9	0	0	0	0	0	0	0	0	0
Mahaska	0	0	0	0	2	27	0	73	0	15	0	0	0	3	7	6	0
Marion	0	0	8	9	22	105	9	74	0	0	0	0	9	0	33	16	0
Marshall	0	0	0	8	41	117	0	52	9	44	0	0	0	0	4	0	7
Mills	0	0	0	0	0	0	2	6	17	28	0	0	0	0	0	0	0
Mitchell	0	0	0	0	4	36	0	0	0	5	0	0	0	0	0	0	0
Monona	0	0	0	0	9	7	8	9	0	27	0	0	0	0	3	0	0
Monroe	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	9	0
Montgomery	0	0	0	0	0	6	0	4	0	55	0	0	0	0	0	9	0
Muscatine	7	0	11	0	16	57	2	63	0	16	8	0	6	0	0	12	0
O'Brien	0	0	0	11	12	51	0	8	0	26	0	0	11	8	0	0	0
Osceola	0	0	0	0	0	12	0	16	0	22	0	0	0	0	2	0	0
Page	0	0	0	0	2	16	0	39	0	31	0	0	0	0	9	0	0
Palo Alto	0	0	3	0	0	36	0	6	0	0	0	0	0	0	0	0	11
Plymouth	0	0	0	0	14	52	0	17	0	46	0	0	0	0	0	0	0
Pocahontas	0	0	0	0	0	10	0	12	0	5	0	0	0	0	0	0	0
Polk	18	1	101	174	244	841	18	869	16	409	94	16	122	126	263	151	15
Pottawattamie	0	0	8	19	31	54	20	104	0	647	0	0	0	0	29	8	0
Poweshiek	0	24	7	32	10	91	0	85	0	19	0	0	15	6	45	14	0
Ringgold	0	0	0	0	0	2	0	49	0	9	0	0	0	0	0	0	0
Sac	0	0	0	0	0	10	0	0	0	11	0	0	0	0	0	0	0
Scott	33	10	61	96	171	322	33	253	9	95	28	22	97	96	140	67	15
Shelby	0	0	0	0	0	9	0	20	0	52	0	0	0	0	0	0	0
Sioux	0	0	16	13	105	95	0	3	6	23	0	0	17	14	31	14	11
Story	107	14	173	162	254	986	25	598	53	287	16	15	85	133	284	154	85
Tama	0	0	0	0	33	27	0	3	0	14	5	0	0	0	15	0	0
Taylor	0	0	0	0	0	0	0	10	0	32	0	0	0	0	0	0	0
Union	0	0	0	0	7	12	0	40	0	24	0	0	0	0	2	0	2
Van Buren	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	4
Wapello	0	3	0	0	11	71	0	50	6	27	0	0	0	7	14	0	0
Warren	8	0	0	0	13	19	0	61	0	31	8	0	0	16	8	0	1
Washington	0	0	0	10	0	9	0	10	7	0	0	0	0	0	4	0	0
Wayne	0	0	0	0	0	0	0	19	0	7	0	0	0	0	0	0	0
Webster	7	0	0	0	5	81	0	83	0	57	0	0	0	8	14	23	0
Winnebago	0	6	0	0	0	79	0	2	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	11	0	15	378	0	15	0	0	0	0	7	3	13	32	31
Woodbury	16	12	6	7	16	241	2	126	0	403	19	5	0	49	29	10	5
Worth	0	0	0	0	0	12	0	7	0	0	0	0	0	11	0	0	0
Wright	0	0	0	0	4	9	0	19	0	32	0	0	0	0	7	0	0

Table 10. Outmigrants With Bachelor's Degree or +: Residents Who Lived in Iowa in 1985 but in Another State in 1990 (continued).

1985 County of Residence	1990 State of Residence*															
	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Adair	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	8
Allamakee	0	0	0	1	0	0	0	0	0	0	0	0	0	0	68	0
Appanoose	0	7	5	18	0	0	0	0	11	0	0	0	0	0	9	0
Audubon	0	0	0	0	0	0	0	0	3	0	0	7	0	0	14	0
Benton	0	0	0	0	0	0	0	0	9	2	0	20	0	0	0	0
Black Hawk	47	36	21	16	0	0	68	29	319	18	0	95	63	17	202	17
Boone	14	0	0	3	0	0	30	13	15	0	0	9	6	3	20	0
Bremer	30	0	20	0	0	0	12	0	24	0	0	0	46	0	90	2
Buchanan	0	0	0	0	0	0	0	0	7	0	0	0	0	0	1	2
Buena Vista	16	6	6	17	0	0	45	10	35	0	0	0	11	0	5	0
Butler	2	2	0	0	0	0	2	6	17	0	0	0	0	0	0	0
Calhoun	0	6	0	12	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	0	0	0	0	0	0	0	0	18	0	0	0	0	0	15	0
Cass	2	0	0	0	0	0	7	9	40	0	0	0	0	0	0	0
Cedar	3	0	8	0	0	0	0	0	0	0	0	0	8	0	6	0
Cerro Gordo	11	0	15	32	0	0	28	10	62	5	0	19	16	0	39	0
Cherokee	0	11	0	0	0	0	17	0	7	0	0	13	0	0	25	0
Chickasaw	0	0	0	11	0	0	0	0	9	0	0	0	10	0	21	0
Clarke	0	0	0	5	0	0	0	0	0	0	0	0	0	0	7	0
Clay	9	0	0	0	0	0	5	0	28	0	0	0	13	0	12	7
Clayton	0	8	8	0	0	0	0	9	21	0	0	0	0	0	62	0
Clinton	56	5	11	22	0	0	0	5	53	0	0	21	14	0	47	3
Crawford	0	0	9	0	0	0	0	0	0	0	0	18	0	0	11	0
Dallas	9	20	0	8	0	0	10	8	18	0	0	0	6	1	20	0
Davis	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
Decatur	0	0	0	0	0	0	0	0	46	0	0	5	15	0	18	17
Delaware	0	0	2	0	0	0	9	0	7	0	0	0	0	0	21	0
Des Moines	37	9	15	17	0	0	9	9	24	0	0	0	0	0	51	0
Dickinson	0	0	0	0	0	6	8	0	13	0	2	0	0	0	35	0
Dubuque	30	18	9	35	0	0	39	18	100	5	0	29	14	0	316	0
Emmet	0	0	0	0	0	0	10	0	4	0	0	0	0	0	3	0
Fayette	0	0	0	22	0	0	0	15	10	0	1	0	12	0	47	0
Floyd	7	0	0	5	0	5	0	0	10	0	0	0	22	0	43	0
Franklin	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fremont	0	8	0	2	0	0	10	0	6	0	0	0	0	0	0	0
Greene	0	19	0	0	0	0	9	0	6	0	0	0	2	0	0	10
Grundy	9	0	0	0	0	0	3	0	68	0	0	0	0	0	10	0
Guthrie	0	11	0	0	0	0	0	0	17	0	0	6	0	0	6	0
Hamilton	2	9	0	0	0	6	6	0	28	0	0	0	9	0	16	0
Hancock	0	0	8	0	8	0	0	0	19	0	0	0	0	0	0	0
Hardin	6	0	15	2	0	8	6	12	29	0	0	0	6	0	17	10
Harrison	13	0	7	0	0	0	0	0	0	0	0	0	10	0	7	6
Henry	9	0	0	16	0	0	0	4	13	0	0	0	9	0	18	0
Howard	0	0	0	0	0	0	0	0	16	0	0	0	0	0	2	0
Humboldt	0	0	0	0	0	0	25	0	0	0	0	0	0	0	6	0
Ida	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	4	0	0	2	0	18	0	0	10	2	0	15	0
Jackson	6	0	0	7	0	6	0	5	11	0	0	0	9	0	28	0
Jasper	12	0	0	0	0	0	6	19	15	0	0	0	0	2	2	0

\*State names and abbreviations are included in Table 7.

Table 10. Outmigrants With Bachelor's Degree or +: Residents Who Lived in Iowa in 1985 but in Another State in 1990 (continued).

1985 County of Residence	1990 State of Residence*															
	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Jefferson	9	0	14	14	0	0	0	0	19	0	12	0	43	0	31	0
Johnson	348	73	48	230	60	120	55	124	703	111	22	269	275	28	482	26
Jones	0	0	0	0	0	0	0	6	26	0	0	0	6	0	0	0
Keokuk	7	0	0	11	0	18	0	0	0	0	0	9	12	0	9	0
Kossuth	0	11	0	0	12	0	18	0	19	0	0	0	0	0	0	0
Lee	0	0	10	4	0	0	4	8	78	0	0	0	9	0	6	0
Linn	69	52	26	56	0	29	98	81	309	0	7	51	100	8	305	13
Louisa	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0
Lucas	17	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Lyon	0	0	0	0	0	0	63	0	2	0	0	0	33	0	0	0
Madison	0	5	0	0	0	0	0	0	17	0	0	0	6	0	7	0
Mahaska	0	13	10	3	0	0	8	14	19	0	0	0	5	0	19	0
Marion	0	0	0	0	0	0	5	0	23	0	0	0	0	0	49	0
Marshall	11	2	0	19	0	11	5	7	142	6	0	0	17	0	3	0
Mills	0	6	8	0	0	0	0	0	8	0	0	0	0	0	16	0
Mitchell	0	0	0	0	0	0	0	0	11	0	0	0	0	0	6	0
Monona	0	0	18	0	0	0	14	6	0	0	0	0	0	0	8	0
Monroe	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Montgomery	23	0	0	4	0	0	0	7	0	0	5	6	0	0	13	0
Muscatine	17	0	13	10	0	0	8	6	43	8	0	13	24	0	59	0
O'Brien	0	6	0	0	0	0	40	0	28	0	0	0	8	0	38	17
Osceola	0	0	0	0	0	0	3	0	0	0	0	0	5	0	20	0
Page	5	12	0	7	0	0	0	0	0	0	0	0	19	0	7	0
Palo Alto	0	0	0	0	0	0	19	0	23	0	0	0	0	0	7	0
Plymouth	0	8	0	0	4	0	60	0	14	0	0	0	0	0	0	0
Pocahontas	19	0	0	0	0	0	6	0	22	0	0	0	0	0	9	0
Polk	355	111	76	234	0	24	122	81	654	26	9	205	165	25	463	44
Pottawattamie	17	18	0	0	0	0	0	0	87	0	0	35	16	10	12	0
Poweshiek	39	0	0	18	15	0	9	0	28	0	12	26	40	0	12	0
Ringgold	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0
Sac	3	0	5	0	0	0	0	0	26	0	0	0	9	0	2	0
Scott	207	47	20	124	7	27	7	97	279	21	4	111	154	19	521	32
Shelby	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8	0
Sioux	17	0	0	8	0	0	79	6	0	4	0	0	73	0	21	10
Story	252	94	114	276	15	86	89	59	642	29	24	177	351	20	387	18
Tama	5	5	0	0	0	0	0	0	32	0	0	11	5	6	4	0
Taylor	5	0	0	0	0	0	0	0	8	0	0	0	0	0	2	0
Union	6	0	0	0	0	0	5	3	12	0	5	23	0	0	8	3
Van Buren	0	0	0	0	0	12	0	0	0	0	0	0	3	0	0	0
Wapello	14	0	17	0	0	0	0	11	35	0	0	10	0	0	14	0
Warren	5	8	0	7	0	0	14	0	82	0	0	0	10	0	17	0
Washington	2	0	0	7	0	0	0	0	13	0	0	14	0	0	10	0
Wayne	0	0	0	0	0	10	0	0	10	0	0	0	0	0	2	0
Webster	0	0	11	0	0	0	5	8	36	0	3	25	0	15	51	0
Winnebago	0	0	0	0	0	0	7	0	11	0	0	0	0	0	3	0
Winneshiek	15	0	0	6	0	0	0	10	18	0	0	19	0	0	73	9
Woodbury	44	2	0	15	0	39	265	32	133	30	0	8	8	12	31	34
Worth	0	0	0	0	0	0	5	9	2	0	0	0	0	0	19	0
Wright	0	14	0	0	0	0	2	0	13	0	0	8	0	0	8	0

relatively small; 79 counties experienced change of less than 100 in either direction. Sixty-five counties recorded net losses of high school graduates to other counties, while net gains occurred in the other 34. The range of change was less than 400 in all but four counties. At least 1,000 more high school graduates moved into Johnson, Polk, and Story from other counties than moved out from them, while nearly 450 more left Dubuque than entered.

Only 10 counties had a net gain from other counties in persons with some college. For Johnson and Story, however, increases exceeded 8,500. In addition, Black Hawk and Polk had 2,500 or more entering than leaving when 1985 and 1990 were compared. Of the 89 counties with net loss, outmigration of those with some college was at least 1,000 greater than immigration in Dubuque and Scott. Net losses to other counties among college graduates were recorded in 73 counties; only two (Black Hawk -1,283; Story, -1,813) were greater than 400. Net gains of college graduates from other counties exceeded 680 in Scott, approached 1,500 in Linn, and was more than 5,000 in Polk.

Twenty-five counties had net losses to other Iowa counties across all four education groups when 1985 and 1990 were compared. Only Warren reported net increases in all four; Bremer, Buena Vista, Dickinson, Johnson, Linn, Marion, Page, Plymouth, Polk, Scott, and Story experienced net gains in three of the four education categories.

### **Migration From and To Other States**

More than 153,000 persons 18 and older in Iowa in 1990 had moved from other states since 1985 (Table 1). Among these were 42,000 with bachelor's degrees, 54,000 with some college, 39,000 with a high school diploma, and 18,000 who had not completed high school (Tables 2 to 5). In 46 counties, high school graduates constituted the greatest group of immigrants from other states; eight counties had more than 1,000 enter.

Immigrants from other states with some college exceeded counts in any of the other education groups in another 46 counties. At least 1,000 entered 10 counties, with Johnson and Polk receiving more than 5,000 each. Those with a bachelor's degree contained more new arrivals from other states in seven counties.

About 236,000 persons older than 17 who lived in Iowa in 1985 left for another state when the 1990 data were examined (Table 1). More of these had bachelor's degrees or additional education (83,000) than any other level (Tables 2-5). The remainder of the out-of-state migrants included 78,000 with some college, 55,000 high school graduates, and 20,000 without a high school diploma.

Seventeen counties lost more persons with high school diplomas to other states than any other education group; at least 1,000 left from 10 counties. Those with some college were the most likely to leave 67 counties; Polk's loss was more than 10,000. While statewide more college graduates moved to other states than did those from any of the other three levels of education, those with bachelor's degrees constituted the greatest segment of outmigrants in only 15 counties. These numbers exceeded 10,000 in Johnson, Polk, and Story, however, and more than 2,000 in Black Hawk, Dubuque, Linn, Scott, and Woodbury. More than 1,000 persons without a high school diploma moved to other states from five counties, but no county had this as its largest group to leave.

Statewide, there was a net loss of 82,600 persons 18 or older to other states in the 1985 to 1990 comparison (Table 6). Although all four education groups had net losses, nearly half of it (40,600) occurred among college graduates and another 23,000 were persons with some college. About 16,000 more high school graduates left Iowa than entered from other states; and about 2,500 more moved out than in among those without a high school diploma.

Ninety-four counties reported a net loss of college graduates to other states during the time examined. For six, outmigrants exceeded immigrants by at least 1,000; for Johnson and Story, net losses were greater than 6,000, which is explained by students graduating at some point between 1985 and 1990 and then moving to other states. Net gains of college graduates from other states occurred in only five counties; the magnitude of the increases were small, with no net gain reaching 40. Large majorities of counties experienced net losses of persons with some college (89 counties) and high school graduates (84 counties) as well. Net losses among those with less than a high school education occurred in 57 counties.



As indicated in other reports on migration in this volume, exchanges tended to be relatively large with some states but small with others (Table 7). Among those with a bachelor's degree, Iowa had at least 1,000 more out- than immigrants with Arizona, California, Colorado, Florida, Illinois, Kansas, Minnesota, Missouri, Texas, Washington, and Wisconsin. Five of these are relatively close to Iowa while the others are in the West and South. Iowa gained more than it lost among those with bachelor's degrees only with Alaska, Hawaii, Louisiana, North Dakota, and South Dakota; in only the Dakotas did immigrants to Iowa exceed outmigrants to those states by more than 100.

Similarly, Iowa lost at least a 1,000 more than it gained among those with some college to Arizona, California, Colorado, Florida, Minnesota, Missouri, and Nebraska. Illinois was the only state to send at least 1,000 more with some college to Iowa than it received from this state. Exchanges tended to be much smaller among those with less education. For example, Arizona, California, Florida, Minnesota, and Missouri were the only states receiving at least 1,000 more Iowans with high school diplomas than they sent to this state. And with no state did the net migration reach at least 1,000 when those who did not complete high school were examined.

### **Detailed County-to-County Migration in Iowa for Those With Bachelor's Degrees**

Movement from one Iowa county to another within the state occurred frequently among those 18 years or age or older who had completed bachelor's degrees or additional education when 1985 and 1990 data were compared. A numbered *column* in Table 8 includes the persons at least 18 years of age from every other Iowa county that moved into the county represented by that number. For example, no persons who lived in Adams County in 1985 were in Adair (county 1) in 1990 (*column* number 1 down Table 8 on two pages). Similarly, two from Audubon and six from Black Hawk had moved to Adair by 1990. Madison and Story were the only counties from which at least 10 individuals with bachelor's degrees had moved to Adair.

The *rows* in Table 8 represent the persons 18 years of age or older with bachelor's degrees who moved from the county named at the beginning of the row to other counties by 1990. For example, two of Adair's 1985 residents (*row* numbered 1 across Table 8 on five pages) had moved to Adams (county 2) by 1990. Another 19 had moved from Adair to Black Hawk (county 7), 18 to Cass (county 15), and 33 to Polk (county 77).

Comparisons of columns and rows in table 8 yield net migration trends. For example, Adair had no residents move in from Adams (column 1, row 2) who were 18 or older with a bachelor's degree but two Adair County residents with these characteristics moved to Adams County. Thus, Adair had a net loss of two to Adams. To continue the examples, Adair also had a net loss of 13 to Black Hawk; 6 moved into Adair from Black Hawk (column 1, row 7) but 19 moved from Adair to Black Hawk (row 1, column 7).

Such tabulations for net migration among those 18 or older with bachelor's degrees or additional education can be done with any pair of counties in Table 8. Because Polk has a much larger population than other counties in the state, the numbers moving in and out would be expected to be greater as well. And that is what occurred. At least 50 people with the requisite characteristics moved into Polk from 30 counties (column 77). But at least 50 people with bachelor's degrees left Polk for 12 other counties (row 77). Gains were particularly great from Black Hawk, Johnson, and Story. In general, exchanges tended to be more pronounced with nearby counties.

### **Detailed Migration between Counties and States Other than Iowa: Bachelor's Degrees**

Inmigrants to Iowa's counties who held bachelor's degrees or more education are noted in Table 9. For example, Adair received residents 18 or older with substantial education from Maryland, Minnesota, Missouri, Nebraska, and New Mexico, although the number of inmigrants from these states was small. Outmigrants from Iowa's counties are reported in Table 10; Adair gave residents with these age and education characteristics to Alaska, Arizona, Minnesota, Missouri, Nebraska, and Texas. Comparisons of the numbers in Tables 9 and 10 reveal net migration. For Adair County, for example, 5 with at least a bachelor's degree moved in from Missouri while 36 moved out to that state for a net loss to Adair of 31. These migration patterns of people 18 years of old with at least a bachelor's degree can be observed for any county-state pair by exploring Tables 9 and 10.

Differing patterns reflect location, of course, as well as other factors at work within counties. For those moving to Iowa, urban counties tended to be magnets for those with at least a bachelor's degree (Table 9). Those leaving Iowa frequently moved to neighboring states, but large numbers also left for Arizona, California, Florida, and Texas. Urban counties in Iowa accounted for many of those moving to other states (Table 10).

**Note:** Information on migration is included on the census bureau's long form completed in a sample of housing units. In 1990, that sample was based on one of every two housing units in incorporated places with fewer than 2,500 residents; in other areas (incorporated places with at least 2,500 residents and open country areas of all Iowa counties), one of every six housing units was sampled. In densely settled urban areas, the rate was raised to 1-in-8 housing units. For persons living in group quarters, the sampling unit was the person; persons in group quarters were sampled at a 1-in-6 rate. In general, the sampling rate selected about one of every six housing units or persons in group quarters in Iowa. The results were then weighted to represent the total population of counties and the state.

Figure 1. Net migration among Iowa counties for residents with bachelor's degrees or additional education, 1985-1990.

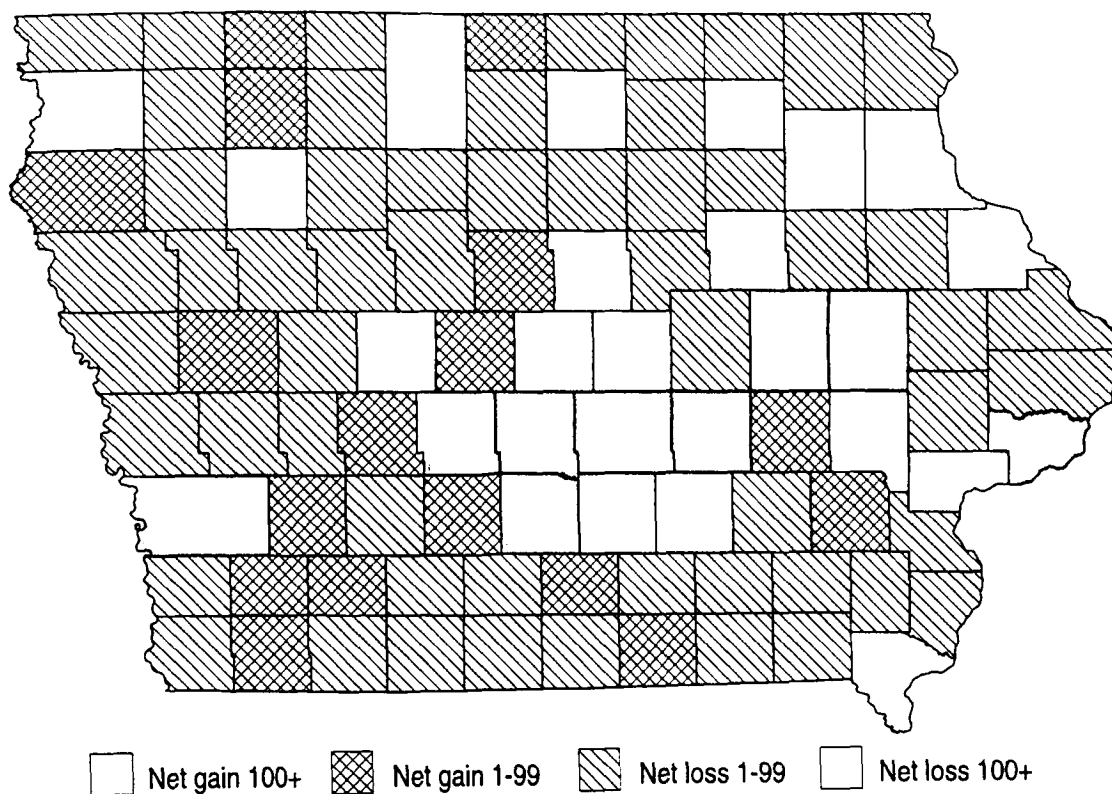


Figure 2. Net migration among Iowa counties for residents with high school diplomas but no additional education, 1985-1990.

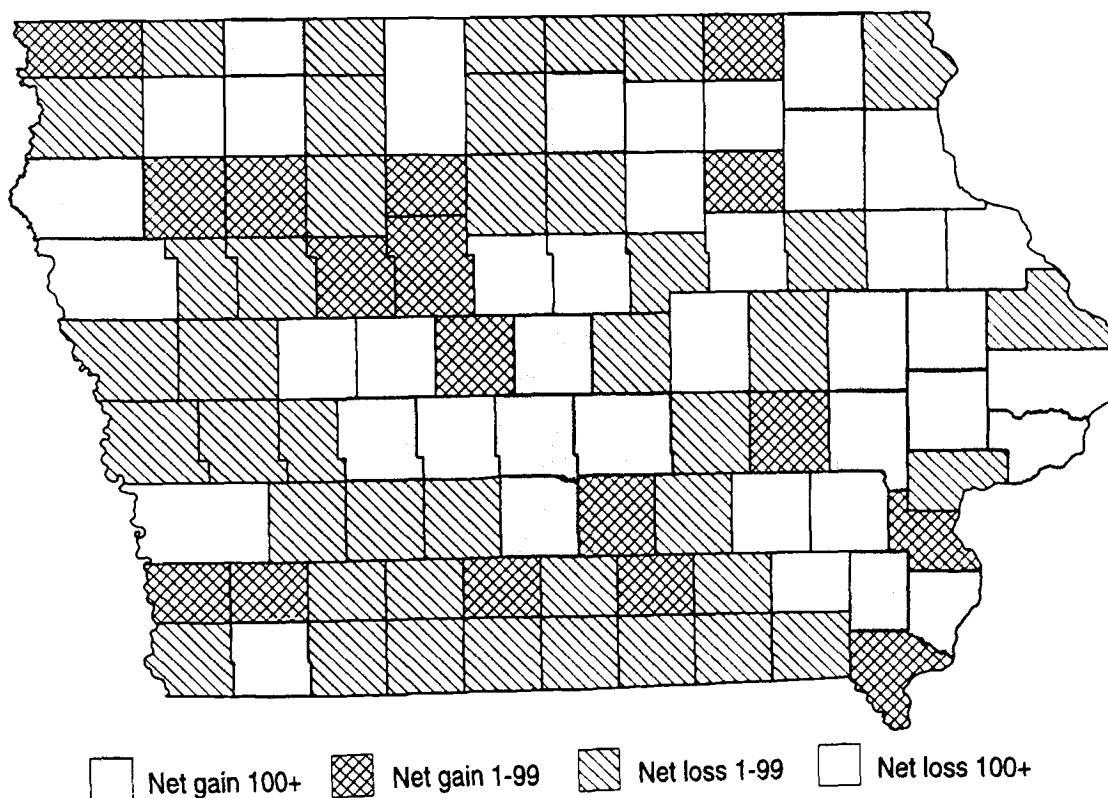


Figure 3. Net migration between Iowa and other states for residents with bachelor's degrees or additional education, 1985-1990.

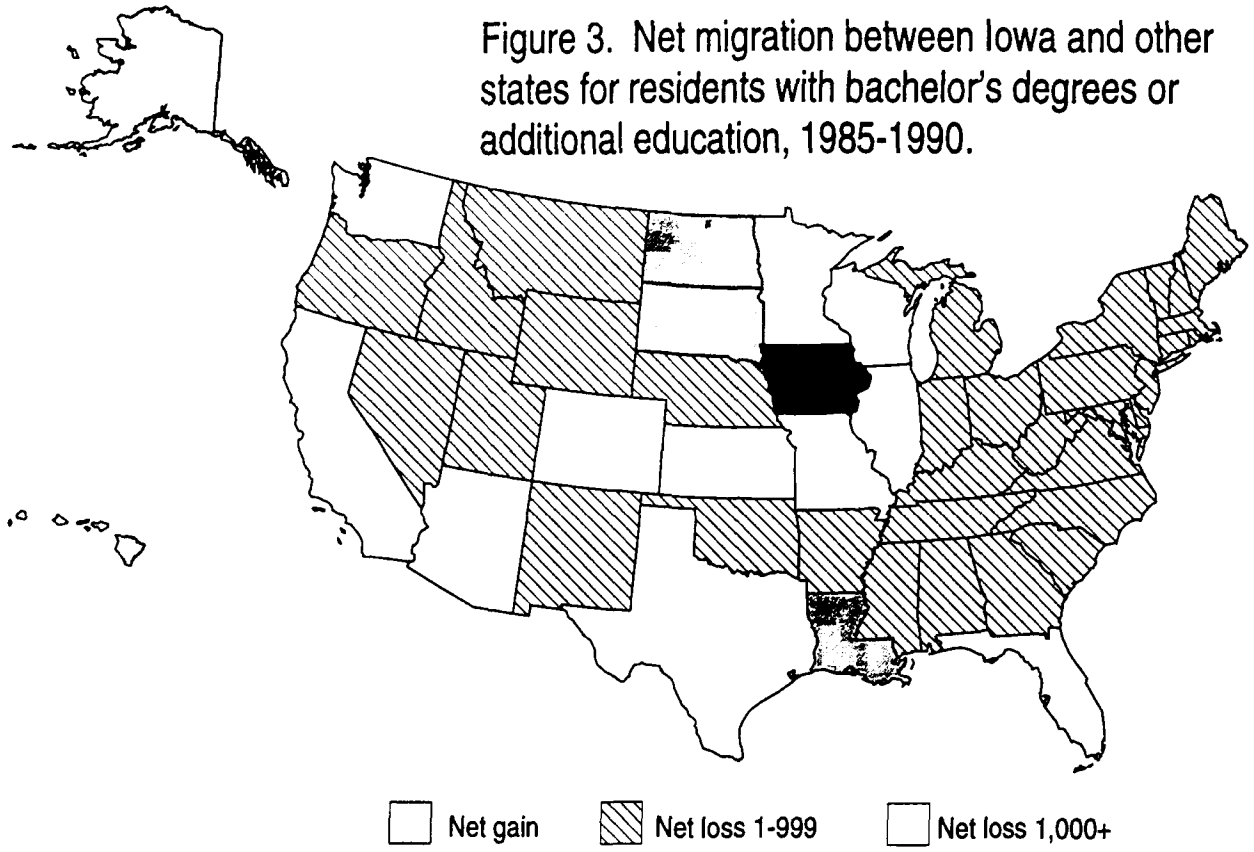
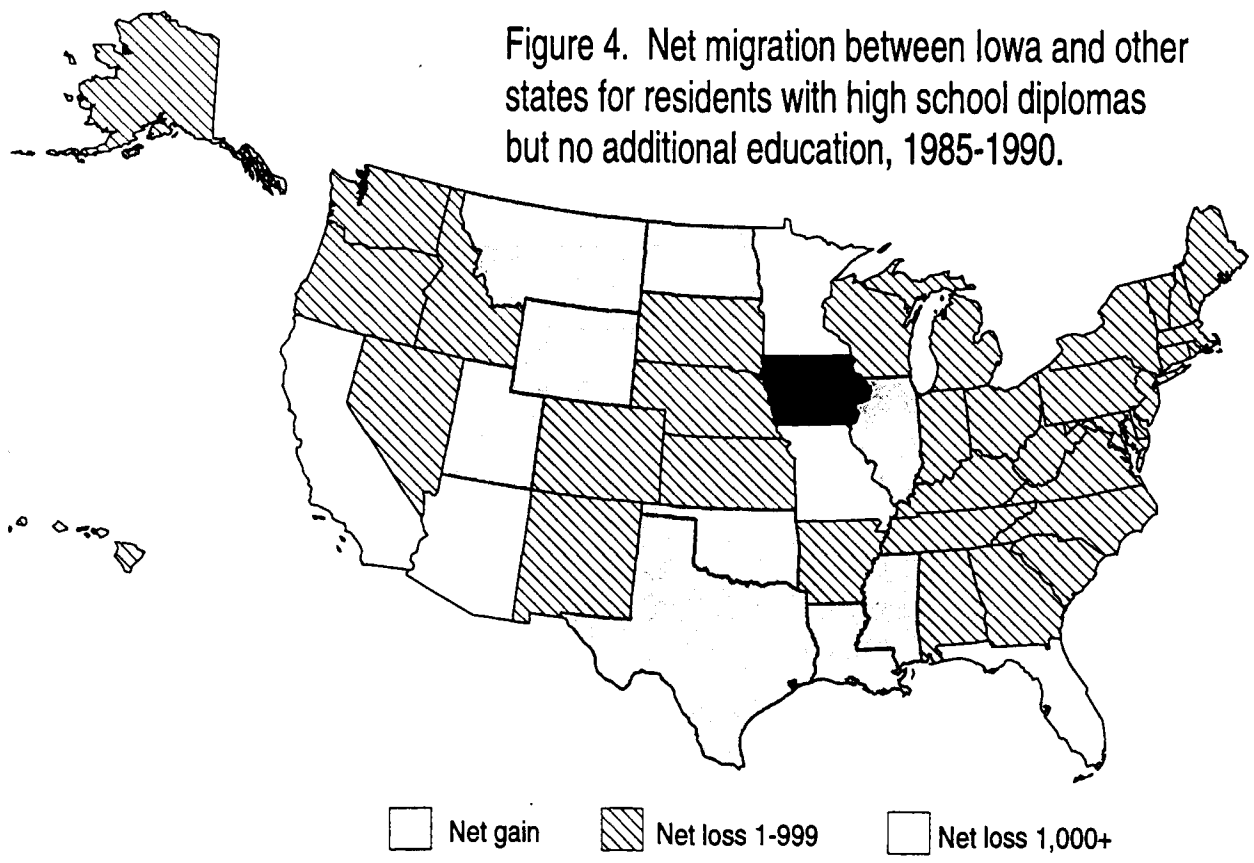


Figure 4. Net migration between Iowa and other states for residents with high school diplomas but no additional education, 1985-1990.



## Food Stamps in Iowa's Counties:

### 1980-1996

Sandra Charvat Burke, Iowa State University  
 Margaret Hanson, Iowa State University  
 Willis Goudy, Iowa State University  
 Sarah Mueller, Iowa State University  
 Kathryn Goudy, Iowa State University  
 Jessie Beebe, Iowa State University  
 Letitia Turner, Iowa State University  
 Lola Mae Baldwin, Iowa Department of Human Services

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The Iowa Department of Human Services maintains information on the number of persons and households receiving food stamps each month. For this report, averages of persons, households, and benefits were calculated for each year from 1980 through 1996; numbers from monthly reports were summed and divided by 12. Through this period, the federal government has made changes in the eligibility requirements for food stamps, which have some effect on year-to-year comparisons.

#### Households Receiving Food Stamps

An average of 72,831 households received food stamps each month in 1996 (Table 1). This was a decrease of 1,527 from the 1995 figure, the third consecutive decline. More than 75,000 households received food stamps monthly from 1983 through 1987 and 1992 through 1994. The lowest monthly average (57,449) was in 1980.

Polk averaged 10,152 households receiving food stamps each month in 1996, the highest of any county. Other counties with more than 2,500 food stamp households were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury. These six highest counties accounted for 42.4 percent of Iowa's average monthly food stamp households that year. Twenty-two counties had 500 to 1,999 households receiving food stamps, while the remaining 71 counties averaged 100 to 499 households monthly.

Only 23 counties averaged more households in the program in 1996 than in 1995. Eight increased by 25 or more households. Of the 74 counties with fewer households in the program in 1996 than in 1995, the largest decrease occurred in Polk (-277); Pottawattamie and Scott also had declines greater than 100.

A comparison of 1986 with 1996 indicates that Iowa averaged 6,567 fewer households in the program at the end of the period than at the beginning. Likewise, 76 counties had fewer households receiving food stamps in 1996 than in 1986; 26 decreased by more than 100 households. Black Hawk's decline of 1,470 was the only one greater than 1,000 between those years. Of the 23 counties with higher averages in 1996 than in 1986, nine counties gained more than 100. Only Johnson, Pottawattamie, and Scott reported at least 500 more households receiving food stamps in 1996 than in 1986.

An examination of the 17 years of data reveals that Iowa is somewhat below the level of household participation in the food stamp program that was experienced at the high point in the mid-1980s. During the years from 1980 through 1983, a large majority of the counties showed annual increases in the average number of households in the food stamp program. Participation moderated somewhat in 1984, but then most of the counties gained in 1985 and 1986. These trends reversed after 1986. A majority of the counties registered declines in the number of households receiving food stamps through 1987, 1988, and 1989. But the 1990 through 1994 figures indicated a return to increases in the state and most counties in these household numbers. They declined in more recent years, however.

## Persons Receiving Food Stamps

In 1996, Iowa had an average of 174,928 persons receiving food stamps each month (Table 2). More than 200,000 persons were in the program, on average, each month from 1983 through 1986. The lowest monthly average of the 16 years was 148,268 in 1980 (Figure 1).

Polk averaged more monthly food stamp recipients (23,883) in 1996 than any other county. Two others (Black Hawk, Scott) had more than 10,000 persons receiving food stamps monthly that year. Thirty-three counties averaged from 1,000 to 9,999 recipients monthly.

The average number of persons receiving food stamps in the state was 5,962 lower in 1996 than in 1995. Seventy-eight counties followed this trend as well, with fewer persons in the program in the later year. Two had decreases greater than 500, with Polk (-1,118) the highest. Twenty counties reported increases between 1995 and 1996, with Dubuque, Johnson, and Marshall noting gains of more than 100.

Comparing 1986 and 1996, Iowa had an average of 35,858 fewer persons in the food stamp program at the end of the period. Eighty-six counties followed this trend, with Black Hawk, Buchanan, Delaware, Dubuque, Linn, and Woodbury counting at least 1,000 fewer in 1996 than in 1986. Only Johnson had an increase of more than 1,000; eight others had gains greater than 100.

A review of the entire period indicates that Iowa now is substantially below the level of 200,000 persons in the food stamp program that was experienced from 1983 to 1986. A majority of counties, as well as the state, showed consistent gains in the average number of persons in the food stamp program during the years from 1980 to 1983. The averages moderated in 1984 but increased again in 1985 and 1986. The trend reversed and most counties declined in the years 1987 through 1989, although gains again occurred in most counties from 1989 to 1993. In 1994-1996, declines occurred in the majority of counties.

## Percentage of the Population Receiving Food Stamps

An average of 6.1 percent of Iowa's population received food stamps each month during 1996 (Table 3). The percentage for the state had been 6.4 the previous year. The highest percentages of Iowans receiving food stamps during the period occurred in 1983 (7.4%), 1985 (7.3%), and 1986 (7.5%), while the lowest was in 1980 (5.1%).

In 1996, 62 counties averaged a lower percentage of residents receiving food stamps than did the state. Grundy, Mitchell, Plymouth, and Sioux each had less than 3 percent of their populations in the food stamp program. Thirty-seven counties in 1996 had a higher percentage of residents receiving food stamps than the state total. Three (Appanoose, Decatur, Wapello) listed more than 10.0 percent of their populations in the program, with the highest at 13.3 percent in Appanoose (Figure 2).

Seventy-five counties had lower percentages of their populations in the food stamp program in 1996 than in 1995. Percentage point changes in either direction were small, however; none of the counties had changes of even one percentage point. For 85 counties, the percentage of residents in the program was lower in 1996 than in 1986. Decreases of at least 2.0 percentage points occurred in 39 counties; only Montgomery reported an increase of more than 1.5 points over this period.

In the years from 1983 through 1987, a larger percentage of Iowans received food stamps than at either the beginning or the end of the 17 years examined. In 1980, 15 counties had less than 3 percent of their population receiving food stamps. For 1996, there were four counties with this low level of participation, while there were two in 1986. At the other extreme, none of the counties had 10 percent or more of its residents receiving food stamps in 1980, although there were three counties at that level in 1996 and 16 in 1986. In 1986, Appanoose County had 15.6% of its residents receiving food stamp assistance. That was the highest monthly average for any county during these 17 years.

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	196	188	188	195	183	185	178	166	170	192	215	215	198	202	161	140	117
Adams	137	141	150	150	153	146	140	131	143	180	176	157	99	96	78	88	91
Allamakee	235	243	254	265	255	234	222	229	268	304	337	316	298	289	280	263	261
Appanoose	764	735	738	734	731	684	664	704	727	747	800	793	797	793	652	536	527
Audubon	103	111	122	115	130	120	112	109	118	139	153	148	115	116	118	127	121
Benton	394	417	450	482	515	484	489	447	457	510	523	527	531	575	517	411	339
Black Hawk	4977	5052	5191	5206	5066	4961	5043	5200	5468	6119	6447	6108	6237	5998	5346	5112	4285
Boone	549	580	631	659	637	566	484	499	513	546	607	590	607	707	625	547	495
Bremer	294	296	357	351	303	322	313	304	352	438	499	458	410	379	350	314	249
Buchanan	418	424	466	486	506	553	536	546	600	706	749	719	689	701	545	507	405
Buena Vista	346	355	368	371	371	346	300	280	303	326	353	317	311	333	320	270	199
Butler	274	300	305	283	299	298	294	294	330	403	465	425	369	356	286	266	229
Calhoun	256	254	280	271	273	256	233	224	246	293	307	279	240	247	233	226	229
Carroll	349	354	364	369	350	340	347	361	345	389	399	390	348	351	336	301	271
Cass	333	366	398	391	365	331	312	298	287	318	358	362	336	336	327	342	301
Cedar	342	339	360	350	337	312	305	297	308	351	360	334	300	307	307	275	275
Cerro Gordo	1351	1328	1420	1427	1396	1305	1224	1174	1165	1249	1296	1173	1131	1267	1188	1149	1039
Cherokee	218	221	230	236	227	213	201	205	226	268	287	260	245	252	233	218	210
Chickasaw	196	196	214	210	221	213	218	219	260	347	372	343	313	303	240	229	189
Clarke	301	314	323	320	315	275	252	230	253	279	292	274	251	268	253	203	180
Clay	349	375	398	416	430	427	413	405	434	499	524	500	453	461	413	398	356
Clayton	240	233	256	278	298	302	315	344	374	431	505	504	488	545	464	425	381
Clinton	1863	1862	1921	1906	1836	1761	1682	1587	1604	1803	1922	1949	1762	1649	1340	1023	876
Crawford	452	455	459	418	398	398	394	376	379	374	385	362	359	384	332	288	265
Dallas	540	559	571	592	593	565	550	539	533	595	653	664	646	642	527	478	434
Davis	198	225	232	236	255	242	247	268	289	319	318	301	293	299	235	207	197
Decatur	442	458	486	455	423	392	365	349	354	349	365	344	327	319	283	271	262
Delaware	312	326	345	361	359	353	376	395	437	539	603	587	533	546	457	441	396
Des Moines	1502	1521	1552	1557	1462	1384	1310	1272	1249	1285	1347	1378	1392	1448	1346	1291	1156
Dickinson	256	277	276	268	265	256	240	241	241	242	243	254	264	287	265	254	245
Dubuque	1714	1652	1779	1868	1879	1840	1867	1917	2089	2439	2643	2652	2746	2896	2382	2055	1715
Emmet	240	277	306	320	339	342	324	285	277	303	343	321	279	319	285	243	227
Fayette	574	573	619	634	626	617	565	568	614	690	752	741	687	691	548	455	397

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	434	472	516	497	491	457	459	443	457	515	523	518	507	562	483	427	408
Franklin	241	251	249	248	256	238	227	213	214	234	246	223	220	237	221	205	189
Fremont	264	266	278	255	244	219	209	215	210	218	217	208	191	180	157	164	170
Greene	245	245	244	231	222	225	200	190	198	218	248	272	260	267	252	229	213
Grundy	137	131	117	136	164	168	148	156	149	166	177	182	170	186	140	134	115
Guthrie	260	270	298	303	289	266	228	244	278	309	322	300	274	290	280	266	254
Hamilton	330	332	382	397	413	379	326	316	348	367	354	336	324	348	346	372	367
Hancock	186	190	217	234	229	223	222	198	206	232	244	207	177	222	212	188	190
Hardin	446	491	552	522	485	429	391	385	413	434	430	363	317	333	333	308	274
Harrison	426	435	451	471	480	444	416	412	427	433	429	446	441	446	398	365	363
Henry	464	472	504	471	458	430	385	347	328	324	343	356	352	373	324	303	296
Howard	170	191	213	218	214	206	220	229	234	285	328	304	289	282	217	214	221
Humboldt	200	223	228	251	244	228	228	221	233	242	240	238	201	200	185	217	190
Ida	112	120	112	113	109	110	92	87	94	109	123	109	98	107	106	93	95
Iowa	175	178	193	177	173	159	151	136	147	180	185	180	146	169	168	145	141
Jackson	506	537	574	563	536	535	519	529	585	655	701	650	606	597	506	412	380
Jasper	642	650	699	758	740	723	641	626	667	758	837	838	886	962	924	850	703
Jefferson	539	549	576	574	551	526	484	463	435	442	437	451	466	457	428	368	331
Johnson	1444	1360	1344	1323	1269	1141	998	946	917	934	943	917	937	1010	999	940	781
Jones	354	367	372	386	355	337	321	348	372	420	447	440	431	462	410	395	324
Keokuk	355	324	332	355	340	353	330	299	295	322	356	308	281	287	239	234	217
Kossuth	281	316	340	349	361	334	304	294	302	347	355	316	263	298	294	279	256
Lee	1310	1287	1397	1435	1418	1367	1268	1232	1295	1434	1484	1458	1477	1561	1393	1238	1026
Linn	4376	4462	4741	4628	4518	4343	4029	3927	4083	4614	4850	4842	5023	5236	4737	4307	3541
Louisa	337	345	347	343	341	318	275	258	282	311	336	318	324	331	283	265	268
Lucas	372	376	398	362	344	338	316	313	331	361	377	389	380	386	367	334	316
Lyon	143	152	156	158	150	132	135	135	150	181	191	187	163	161	141	128	113
Madison	215	233	243	253	242	231	210	217	214	239	260	261	253	261	232	201	182
Mahaska	671	646	669	689	697	688	662	632	611	676	748	726	723	764	678	616	547
Marion	600	631	666	664	622	575	519	498	532	608	646	625	658	678	548	485	452
Marshall	1261	1196	1250	1287	1261	1150	1038	1014	1039	1112	1136	1072	1093	1131	1019	850	723
Mills	317	345	364	346	326	316	280	241	251	267	261	246	250	256	250	224	206
Mitchell	136	134	155	165	180	166	156	165	186	197	217	212	201	231	205	190	164



Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	294	314	328	330	345	327	304	302	307	352	384	349	325	329	314	278	278
Monroe	303	312	313	315	306	301	306	329	358	365	385	336	308	308	266	228	206
Montgomery	353	373	367	341	346	300	266	263	256	278	292	304	282	296	266	243	217
Muscatine	1330	1303	1314	1287	1294	1227	1183	1119	1141	1292	1320	1277	1174	1189	1068	989	988
O'Brien	208	210	209	210	222	189	180	174	220	272	289	256	247	249	214	203	188
Osceola	98	103	100	101	93	96	90	95	105	133	157	136	100	96	79	68	70
Page	507	502	552	543	538	539	494	480	493	518	541	532	492	495	434	412	382
Palo Alto	230	263	294	294	296	279	255	241	254	302	318	319	292	315	304	278	261
Plymouth	284	282	279	274	270	263	255	276	318	362	401	384	345	349	325	310	276
Pocahontas	192	205	212	216	220	208	178	141	148	189	208	178	166	169	154	145	140
Polk	10152	10429	11144	11342	10793	10006	9123	8726	8739	9156	9753	9996	10506	11634	10432	9663	8470
Pottawattamie	2718	2888	3144	3147	3038	2834	2520	2344	2259	2218	2197	2252	2340	2580	2525	2524	2373
Poweshiek	353	359	371	368	364	352	307	262	287	336	379	378	347	340	299	279	239
Ringgold	185	177	192	199	185	181	176	177	193	208	194	215	203	187	165	151	148
Sac	228	246	230	216	226	219	197	203	197	222	244	234	243	228	218	186	168
Scott	6181	6364	6623	6512	6131	5747	5403	5172	5306	5668	5665	5543	5512	5573	4802	3865	3319
Shelby	220	242	236	235	223	211	189	161	174	212	217	222	222	223	202	179	170
Sioux	254	262	235	218	248	248	254	280	286	337	375	312	286	301	277	257	261
Story	1031	1091	1109	1070	1057	958	874	821	773	830	831	875	890	935	819	740	659
Tama	274	286	332	357	391	364	335	321	344	397	406	382	375	387	339	358	341
Taylor	220	211	209	206	192	195	188	176	184	223	243	251	231	232	199	185	188
Union	467	485	488	466	451	448	436	421	403	440	472	478	453	421	347	342	301
Van Buren	174	178	182	209	204	208	198	194	212	231	240	234	233	232	191	166	174
Wapello	1886	1851	1856	1843	1846	1752	1668	1686	1767	1981	2007	1768	1706	1740	1428	1294	1164
Warren	518	602	698	729	706	666	603	568	563	583	604	614	596	611	523	508	456
Washington	371	358	376	369	365	359	343	319	331	350	347	299	257	236	243	241	222
Wayne	245	247	241	249	243	230	223	223	241	268	293	305	282	280	236	203	204
Webster	1524	1544	1614	1694	1651	1593	1478	1456	1442	1587	1589	1438	1411	1442	1296	1177	1048
Winnebago	197	198	216	226	216	208	187	167	160	181	191	179	325	194	183	184	170
Winneshiek	264	266	300	305	295	279	273	284	326	383	429	410	371	369	336	345	283
Woodbury	2501	2584	2819	3049	3182	3069	2847	2729	2889	3313	3283	3259	3268	3146	2940	2861	2698
Worth	117	130	154	176	189	178	180	164	175	195	196	184	184	200	181	170	154
Wright	294	312	341	328	330	306	296	269	285	316	360	353	326	333	300	311	304
State of Iowa	72831	74358	78261	78758	76974	73113	68705	66930	69032	75814	79398	77482	76577	79269	70647	64638	57449

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	485	455	458	487	452	464	447	399	427	539	644	667	587	592	469	403	344
Adams	362	362	402	407	436	395	379	340	376	522	522	460	282	274	197	222	241
Allamakee	574	611	661	676	634	609	560	594	722	841	965	888	832	813	785	721	724
Appanoose	1808	1783	1808	1853	1865	1742	1677	1753	1870	2006	2211	2211	2263	2311	1944	1591	1542
Audubon	283	290	332	323	370	334	323	308	342	428	479	457	330	334	313	332	302
Benton	1040	1125	1210	1311	1368	1268	1269	1139	1166	1363	1408	1405	1454	1582	1421	1104	901
Black Hawk	11598	11826	12430	12517	12190	12002	11989	12398	13194	15165	16031	15262	15476	14359	12272	11236	10016
Boone	1322	1405	1514	1562	1544	1412	1196	1246	1301	1417	1559	1530	1580	1859	1639	1382	1256
Bremer	744	760	937	930	786	836	779	760	934	1258	1514	1365	1214	1116	970	841	630
Buchanan	1154	1195	1358	1395	1428	1515	1434	1473	1709	2081	2329	2200	2062	2071	1582	1387	1103
Buena Vista	882	902	935	947	962	929	795	766	813	913	999	874	885	940	929	739	547
Butler	712	776	805	713	798	809	789	793	906	1147	1331	1206	1038	1019	803	718	603
Calhoun	601	600	656	654	677	624	585	566	639	807	862	742	595	617	577	565	553
Carroll	842	884	923	932	863	862	869	894	851	1030	1124	1090	944	931	902	803	699
Cass	851	969	1090	1056	992	892	830	781	755	876	992	986	851	891	859	887	741
Cedar	829	811	910	899	857	814	783	764	804	943	971	903	823	856	819	692	696
Cerro Gordo	3027	3057	3269	3287	3211	2988	2821	2678	2707	2935	3123	2877	2810	3186	2915	2772	2558
Cherokee	509	508	569	598	585	556	523	509	552	693	768	683	622	646	580	506	483
Chickasaw	499	514	574	558	601	564	571	590	717	982	1102	1017	937	930	699	610	497
Clarke	792	829	864	848	844	749	678	618	713	808	847	803	727	771	733	561	511
Clay	765	816	925	990	1041	1037	978	970	1036	1238	1338	1309	1187	1188	1068	992	861
Clayton	615	621	709	762	803	803	853	936	1022	1237	1481	1465	1399	1548	1274	1101	983
Clinton	4270	4356	4603	4608	4378	4257	4089	3935	4003	4492	5013	5158	4688	4549	3664	2720	2413
Crawford	1168	1180	1203	1091	1018	1029	1021	942	975	1024	1047	985	968	1049	870	704	618
Dallas	1354	1445	1512	1525	1543	1474	1400	1345	1366	1582	1806	1882	1790	1839	1480	1290	1162
Davis	448	522	566	582	640	601	617	680	790	912	958	907	896	923	692	582	551
Decatur	985	1025	1105	1050	977	918	850	833	883	900	978	909	858	838	761	708	648
Delaware	812	882	937	992	952	914	984	1074	1240	1595	1837	1754	1530	1597	1324	1227	1112
Des Moines	3579	3654	3828	3860	3624	3483	3348	3215	3142	3321	3547	3658	3666	3919	3550	3396	3025
Dickinson	576	618	629	612	609	616	570	636	642	642	650	684	694	774	708	630	579
Dubuque	4207	3992	4389	4597	4608	4422	4528	4705	5214	6217	6867	7048	7311	7728	6174	5139	4383
Emmet	581	668	768	817	865	823	810	770	777	897	1027	946	840	957	793	649	625
Fayette	1431	1450	1631	1694	1696	1628	1495	1529	1684	1960	2223	2137	1833	1984	1510	1170	977

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	1125	1250	1417	1331	1329	1238	1216	1173	1214	1432	1542	1553	1500	1715	1445	1243	1158
Franklin	574	638	646	637	669	624	592	550	552	625	703	599	590	665	603	545	495
Fremont	678	668	734	662	638	567	544	564	554	590	617	587	544	529	449	443	449
Greene	625	637	658	644	599	599	511	475	500	582	677	740	699	735	674	601	552
Grundy	349	345	320	414	454	440	384	388	374	457	489	507	477	526	388	342	292
Guthrie	647	695	780	807	766	707	595	630	720	868	930	883	811	870	802	726	631
Hamilton	748	771	940	969	995	943	789	764	858	954	960	880	829	932	906	951	933
Hancock	489	488	590	652	673	637	631	538	573	669	730	620	516	681	632	536	569
Hardin	1053	1195	1389	1321	1246	1097	975	951	1056	1109	1127	954	841	885	862	784	645
Harrison	1120	1134	1206	1250	1282	1212	1129	1124	1120	1187	1207	1258	1229	1268	1122	945	906
Henry	1102	1114	1232	1209	1174	1120	990	889	820	851	954	1027	996	1062	896	820	796
Howard	432	477	574	575	535	501	535	556	593	774	918	841	782	761	550	472	486
Humboldt	449	513	542	590	587	538	527	506	597	660	679	668	579	575	501	548	477
Ida	299	315	290	320	302	307	222	215	248	308	353	305	269	281	292	231	236
Iowa	464	472	511	469	457	432	403	352	389	489	540	519	408	467	472	394	355
Jackson	1212	1333	1482	1476	1448	1451	1416	1443	1643	1961	2194	1970	1860	1834	1501	1150	1073
Jasper	1479	1514	1645	1812	1749	1693	1515	1501	1632	1912	2197	2229	2329	2594	2431	2175	1829
Jefferson	1153	1181	1301	1313	1279	1198	1096	1045	1004	1849	1119	1117	1154	1195	1125	912	839
Johnson	3206	3026	3010	2977	2826	2544	2263	2110	2078	2105	2131	2071	2040	2217	2132	1999	1705
Jones	899	964	983	1019	940	908	830	905	994	1184	1315	1257	1214	1316	1188	1049	914
Keokuk	912	850	891	948	921	980	906	853	855	960	1081	944	843	845	699	672	614
Kossuth	717	841	937	961	974	884	790	758	806	998	1061	909	741	857	816	757	643
Lee	3223	3157	3562	3681	3583	3398	3118	3076	3215	3572	3777	3772	3868	4087	3579	3050	2648
Linn	9698	10139	10955	10787	10637	10247	9451	9170	9800	11065	11717	11746	12203	12961	11584	10263	8603
Louisa	858	878	899	886	896	855	745	709	752	857	957	918	965	968	812	759	741
Lucas	865	898	935	856	834	794	738	726	773	876	988	1038	1026	1064	955	833	803
Lyon	407	425	461	461	460	397	411	412	446	560	627	597	515	515	458	375	291
Madison	534	587	642	667	643	623	554	576	553	651	742	732	712	766	667	543	468
Mahaska	1579	1511	1609	1684	1724	1726	1632	1578	1546	1813	2013	1974	1942	2088	1833	1599	1428
Marion	1432	1561	1682	1676	1575	1459	1344	1314	1442	1668	1838	1791	1865	1945	1562	1348	1292
Marshall	2932	2810	3012	3023	2953	2716	2483	2403	2498	2771	2794	2695	2804	2856	2522	2153	1875
Mills	901	953	998	932	906	870	757	657	717	800	796	767	771	845	783	682	594
Mitchell	301	308	377	416	468	427	387	406	478	527	578	584	539	659	606	535	457

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	682	754	850	879	944	906	819	809	806	961	1092	966	902	956	921	743	712
Monroe	731	789	831	823	784	769	787	820	919	965	1061	908	844	849	705	569	524
Montgomery	900	948	932	869	872	750	652	634	610	691	738	791	718	766	695	612	539
Muscatine	3461	3419	3531	3561	3600	3413	3262	3069	3102	3531	3602	3502	3225	3278	2915	2624	2672
O'Brien	520	562	564	573	592	464	443	421	557	733	812	720	716	691	539	480	426
Osceola	274	275	265	266	249	263	230	248	281	395	509	444	306	305	245	204	200
Page	1217	1178	1295	1294	1326	1363	1233	1247	1246	1329	1436	1426	1309	1396	1194	1036	920
Palo Alto	449	523	617	641	674	661	626	590	620	795	883	873	786	877	828	735	701
Plymouth	642	665	661	650	680	688	706	761	896	1056	1232	1133	994	993	911	864	740
Pocahontas	444	501	526	535	544	528	423	353	386	532	609	525	471	515	454	406	390
Polk	23883	25001	27254	27498	26387	24392	22267	21124	21199	22402	23914	24702	26324	29432	26502	24427	21586
Pottawattamie	7013	7498	8264	8363	8150	7588	6682	6181	5962	6029	6124	6264	6554	7407	7137	6905	6432
Poweshiek	863	884	946	946	930	893	775	657	736	901	1055	1073	934	972	819	742	637
Ringgold	486	464	511	531	494	480	467	468	542	608	559	623	553	511	423	377	372
Sac	596	634	603	590	611	603	559	548	529	632	715	677	685	651	597	451	400
Scott	15143	15832	16632	16474	15903	14971	14041	13471	13856	14735	14917	14735	14656	14678	12579	10217	9150
Shelby	593	669	631	658	657	597	532	443	503	632	665	636	618	614	541	446	433
Sioux	702	738	656	610	706	712	770	858	885	1084	1205	1001	897	935	846	733	742
Story	2288	2445	2504	2422	2318	2092	1907	1837	1812	2039	2029	2108	2140	2308	2016	1799	1597
Tama	756	783	914	987	1098	1009	876	825	923	1144	1210	1151	1141	1170	1014	1018	936
Taylor	598	568	554	560	519	565	548	518	529	652	759	776	702	698	591	532	547
Union	1100	1136	1188	1203	1153	1152	1100	1065	1039	1160	1251	1276	1221	1137	899	880	757
Van Buren	459	475	493	590	568	575	544	526	611	669	724	707	723	733	594	512	507
Wapello	4252	4228	4327	4361	4365	4197	3935	3967	4376	5039	5224	4472	4419	4541	3700	3337	2980
Warren	1267	1488	1739	1828	1764	1638	1485	1428	1446	1546	1685	1741	1683	1724	1472	1410	1229
Washington	952	912	969	960	968	944	908	886	928	989	1005	875	751	680	675	641	577
Wayne	607	643	648	694	680	630	631	599	699	753	819	847	799	750	662	547	545
Webster	3457	3593	3818	4036	3884	3750	3492	3462	3502	3914	4088	3790	3703	3884	3477	3122	2805
Winnebago	487	491	525	534	528	519	476	400	389	460	505	460	442	493	477	476	430
Winneshiek	623	646	758	796	760	716	704	747	875	1060	1220	1147	987	963	843	857	746
Woodbury	6327	6529	7247	8044	8581	8319	7646	7229	7728	9053	8842	8785	8840	8759	8049	7597	7145
Worth	270	309	363	449	445	412	407	354	401	484	521	476	499	557	515	477	425
Wright	724	775	859	829	853	796	733	622	643	766	873	859	806	860	779	793	792
State of Iowa	174928	180890	194193	196603	193318	183856	171980	167415	175206	197419	210786	205985	202907	211679	185730	165373	148268

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	5.9	5.5	5.5	5.8	5.4	5.5	5.3	4.7	5.0	6.3	7.4	7.5	6.4	6.4	5.1	4.3	3.6
Adams	8.1	8.0	8.8	8.9	9.4	8.3	7.8	6.8	7.4	10.0	10.0	8.7	5.2	5.0	3.5	3.9	4.2
Allamakee	4.1	4.3	4.8	4.8	4.6	4.4	4.0	4.2	5.1	5.9	6.7	6.1	5.6	5.5	5.3	4.8	4.8
Appanoose	13.3	13.1	13.2	13.4	13.5	12.7	12.2	12.7	13.4	14.2	15.6	15.4	15.4	15.5	12.8	10.4	9.9
Audubon	4.1	4.2	4.8	4.6	5.2	4.6	4.4	4.2	4.6	5.6	6.1	5.6	4.0	4.0	3.7	3.9	3.5
Benton	4.2	4.7	5.1	5.6	6.0	5.6	5.7	5.1	5.2	6.1	6.3	6.2	6.4	6.9	6.1	4.7	3.8
Black Hawk	9.4	9.6	10.0	10.1	9.8	9.6	9.7	10.1	10.8	12.2	12.7	11.7	11.6	10.6	9.0	8.1	7.3
Boone	5.1	5.5	6.0	6.2	6.1	5.6	4.7	5.0	5.2	5.6	6.2	6.0	6.1	7.2	6.3	5.3	4.8
Bremer	3.2	3.3	4.0	4.0	3.4	3.6	3.4	3.3	4.1	5.5	6.5	5.8	5.0	4.5	3.9	3.4	2.5
Buchanan	5.4	5.6	6.4	6.6	6.8	7.2	6.9	7.1	8.2	10.0	11.0	10.1	9.3	9.1	6.9	6.0	4.8
Buena Vista	4.4	4.5	4.7	4.7	4.8	4.7	4.0	3.8	4.0	4.5	4.9	4.2	4.2	4.5	4.5	3.5	2.6
Butler	4.5	4.9	5.1	4.5	5.1	5.1	5.0	5.0	5.7	7.2	8.2	7.2	6.1	5.9	4.6	4.1	3.4
Calhoun	5.2	5.2	5.6	5.7	5.9	5.4	5.1	4.9	5.5	6.9	7.2	6.0	4.7	4.7	4.4	4.2	4.1
Carroll	3.9	4.1	4.3	4.3	4.0	4.0	4.1	4.2	3.9	4.7	5.1	4.9	4.2	4.1	4.0	3.5	3.0
Cass	5.7	6.5	7.2	7.0	6.6	5.9	5.5	5.1	4.9	5.7	6.3	6.0	5.0	5.3	5.1	5.2	4.4
Cedar	4.7	4.6	5.2	5.1	4.8	4.7	4.5	4.4	4.6	5.4	5.4	5.0	4.5	4.6	4.4	3.7	3.7
Cerro Gordo	6.5	6.5	7.0	7.1	6.9	6.3	6.0	5.7	5.7	6.2	6.5	5.9	5.8	6.6	6.0	5.7	5.3
Cherokee	3.8	3.7	4.1	4.3	4.2	4.0	3.7	3.6	3.9	4.8	5.2	4.5	4.0	4.1	3.7	3.1	3.0
Chickasaw	3.7	3.8	4.3	4.2	4.5	4.3	4.3	4.4	5.3	7.2	7.8	7.0	6.3	6.1	4.6	4.0	3.2
Clarke	9.6	10.1	10.6	10.2	10.1	9.1	8.2	7.4	8.5	9.7	10.2	9.6	8.6	9.0	8.4	6.5	5.9
Clay	4.3	4.6	5.2	5.6	5.9	5.9	5.6	5.6	6.0	7.1	7.5	7.1	6.3	6.2	5.6	5.1	4.4
Clayton	3.3	3.3	3.8	4.0	4.3	4.3	4.5	4.9	5.3	6.4	7.5	7.3	6.8	7.5	6.1	5.3	4.7
Clinton	8.5	8.5	9.0	9.0	8.5	8.3	8.0	7.7	7.8	8.7	9.6	9.6	8.6	8.2	6.5	4.8	4.2
Crawford	7.1	7.1	7.3	6.6	6.1	6.2	6.1	5.5	5.6	5.8	5.9	5.4	5.2	5.6	4.6	3.7	3.3
Dallas	4.0	4.4	4.7	4.8	5.0	4.9	4.7	4.6	4.7	5.5	6.3	6.4	6.1	6.3	5.1	4.4	3.9
Davis	5.3	6.1	6.7	6.9	7.7	7.2	7.4	8.2	9.4	10.7	11.0	10.3	10.0	10.3	7.7	6.4	6.1
Decatur	12.0	12.4	13.6	13.0	12.0	11.3	10.2	9.8	10.4	10.5	11.1	10.2	9.4	9.0	7.9	7.3	6.6
Delaware	4.4	4.8	5.1	5.4	5.2	5.0	5.5	6.0	6.9	8.9	10.2	9.5	8.2	8.5	7.1	6.5	5.9
Des Moines	8.4	8.6	8.9	9.0	8.5	8.1	7.9	7.5	7.3	7.7	8.2	8.3	8.3	8.8	7.8	7.4	6.5
Dickinson	3.7	4.0	4.1	4.0	4.0	4.1	3.8	4.3	4.4	4.4	4.4	4.5	4.6	5.1	4.6	4.0	3.7
Dubuque	4.8	4.5	5.0	5.2	5.3	5.1	5.2	5.4	6.0	7.1	7.8	7.9	8.2	8.6	6.7	5.5	4.7
Emmet	5.2	6.0	6.8	7.2	7.4	7.1	7.0	6.7	6.7	7.7	8.6	7.6	6.6	7.5	6.0	4.9	4.7
Fayette	6.5	6.6	7.4	7.7	7.7	7.4	6.8	7.0	7.7	8.9	9.8	9.1	7.6	8.1	6.1	4.7	3.8

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	6.8	7.5	8.5	7.9	7.8	7.3	7.1	6.8	7.0	8.2	8.6	8.4	8.0	9.0	7.6	6.4	5.9
Franklin	5.2	5.8	5.8	5.7	6.0	5.5	5.2	4.8	4.8	5.3	5.8	4.8	4.7	5.2	4.7	4.2	3.8
Fremont	8.6	8.3	9.0	8.1	7.8	6.9	6.6	6.8	6.6	6.8	7.1	6.6	6.0	5.8	4.9	4.8	4.8
Greene	6.2	6.4	6.5	6.3	5.9	6.0	5.1	4.7	4.8	5.5	6.3	6.6	6.1	6.3	5.7	5.0	4.6
Grundy	2.8	2.8	2.6	3.4	3.8	3.7	3.2	3.2	3.0	3.7	3.8	3.8	3.5	3.8	2.8	2.4	2.0
Guthrie	5.7	6.1	6.9	7.2	6.9	6.4	5.4	5.8	6.5	7.9	8.2	7.7	7.0	7.5	6.9	6.1	5.3
Hamilton	4.6	4.7	5.9	6.0	6.2	5.9	4.9	4.7	5.2	5.8	5.7	5.2	4.8	5.3	5.2	5.3	5.2
Hancock	4.0	4.0	4.9	5.4	5.4	5.1	5.0	4.2	4.5	5.2	5.6	4.6	3.8	5.1	4.7	3.9	4.1
Hardin	5.6	6.4	7.4	7.1	6.6	5.8	5.1	4.9	5.4	5.6	5.6	4.6	3.9	4.2	4.0	3.6	3.0
Harrison	7.4	7.5	8.1	8.4	8.7	8.3	7.7	7.6	7.4	7.8	7.9	8.1	7.9	8.0	7.0	5.8	5.5
Henry	5.5	5.6	6.2	6.2	6.0	5.8	5.1	4.7	4.3	4.5	5.0	5.5	5.4	5.7	4.8	4.4	4.2
Howard	4.4	4.9	5.9	5.8	5.4	5.1	5.5	5.6	5.9	7.6	8.9	8.0	7.2	7.1	5.0	4.3	4.4
Humboldt	4.3	4.9	5.2	5.6	5.6	5.0	4.9	4.7	5.5	6.0	6.0	5.7	4.9	4.8	4.2	4.5	3.9
Ida	3.7	3.8	3.5	3.8	3.6	3.7	2.7	2.6	3.0	3.7	4.1	3.5	3.1	3.2	3.3	2.6	2.6
Iowa	3.0	3.1	3.4	3.2	3.1	2.9	2.8	2.4	2.6	3.3	3.6	3.4	2.7	3.1	3.1	2.6	2.3
Jackson	6.0	6.6	7.3	7.3	7.2	7.3	7.1	7.1	8.0	9.4	10.4	9.1	8.5	8.3	6.8	5.2	4.8
Jasper	4.2	4.3	4.7	5.2	5.0	4.9	4.4	4.3	4.7	5.5	6.3	6.4	6.6	7.4	6.8	6.0	5.0
Jefferson	6.8	7.0	7.7	7.8	7.8	7.3	6.7	6.4	6.1	11.3	6.9	6.8	7.0	7.4	6.9	5.7	5.1
Johnson	3.2	3.0	3.0	3.0	2.9	2.6	2.4	2.2	2.2	2.3	2.4	2.3	2.3	2.6	2.5	2.4	2.1
Jones	4.4	4.7	4.9	5.1	4.8	4.6	4.3	4.7	5.2	6.2	6.8	6.4	6.1	6.6	5.9	5.2	4.5
Keokuk	7.9	7.3	7.7	8.1	7.9	8.4	7.8	7.3	7.2	8.1	8.9	7.6	6.7	6.7	5.5	5.3	4.8
Kossuth	4.0	4.6	5.1	5.3	5.3	4.8	4.2	4.0	4.2	5.2	5.4	4.5	3.6	4.1	3.8	3.5	2.9
Lee	8.3	8.1	9.1	9.5	9.2	8.7	8.1	7.9	8.2	9.0	9.4	9.2	9.3	9.8	8.5	7.2	6.1
Linn	5.4	5.7	6.2	6.2	6.1	6.0	5.6	5.5	5.9	6.7	7.1	7.1	7.4	7.8	6.9	6.1	5.1
Louisa	7.1	7.4	7.6	7.5	7.8	7.4	6.4	6.1	6.5	7.4	8.2	7.8	8.0	8.1	6.8	6.2	6.1
Lucas	9.6	9.9	10.4	9.4	9.2	8.7	8.1	7.9	8.3	9.3	10.3	10.6	10.2	10.6	9.3	8.1	7.8
Lyon	3.4	3.6	3.9	3.8	3.8	3.3	3.4	3.5	3.7	4.7	5.2	4.8	4.1	4.0	3.6	2.9	2.3
Madison	3.9	4.4	4.9	5.2	5.0	5.0	4.4	4.6	4.5	5.3	6.1	6.0	5.8	6.2	5.3	4.3	3.7
Mahaska	7.3	6.9	7.4	7.8	8.0	8.0	7.6	7.4	7.2	8.4	9.3	9.0	8.8	9.5	8.2	7.1	6.2
Marion	4.6	5.0	5.5	5.5	5.2	4.8	4.5	4.4	4.8	5.6	6.2	6.1	6.3	6.6	5.2	4.5	4.4
Marshall	7.5	7.2	7.9	8.0	7.8	7.1	6.5	6.3	6.5	7.1	7.0	6.7	6.8	6.9	6.0	5.1	4.5
Mills	6.4	6.9	7.3	7.0	6.8	6.6	5.7	5.0	5.4	6.1	6.0	5.7	5.8	6.3	5.9	5.0	4.4
Mitchell	2.7	2.8	3.4	3.8	4.3	3.9	3.5	3.7	4.3	4.7	5.1	5.1	4.7	5.6	5.1	4.4	3.7

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	6.8	7.6	8.5	8.8	9.4	9.1	8.2	8.0	7.8	9.3	10.4	8.9	8.0	8.4	8.1	6.4	6.1
Monroe	9.0	9.6	10.2	10.1	9.6	9.4	9.7	10.1	11.3	11.7	12.7	10.6	9.7	9.6	7.9	6.2	5.7
Montgomery	7.6	7.9	7.8	7.2	7.3	6.3	5.4	5.2	5.1	5.7	6.0	6.2	5.5	5.8	5.3	4.6	4.0
Muscatine	8.4	8.3	8.6	8.6	8.8	8.4	8.2	7.7	7.8	8.9	9.0	8.7	7.9	8.0	7.0	6.4	6.6
O'Brien	3.5	3.7	3.7	3.7	3.8	3.0	2.9	2.7	3.6	4.7	5.1	4.4	4.3	4.1	3.2	2.8	2.5
Osceola	3.9	3.9	3.7	3.7	3.5	3.6	3.2	3.4	3.8	5.4	6.8	5.7	3.8	3.8	3.0	2.5	2.4
Page	7.3	7.0	7.7	7.8	8.0	8.1	7.3	7.4	7.4	7.8	8.3	8.0	7.2	7.6	6.4	5.5	4.8
Palo Alto	4.4	5.1	5.9	6.1	6.4	6.2	5.9	5.5	5.7	7.2	7.8	7.3	6.5	7.0	6.6	5.8	5.5
Plymouth	2.6	2.7	2.7	2.7	2.9	2.9	3.0	3.2	3.8	4.5	5.2	4.8	4.1	4.1	3.7	3.5	3.0
Pocahontas	4.9	5.5	5.8	5.8	5.8	5.6	4.4	3.6	3.9	5.3	5.9	4.9	4.3	4.7	4.1	3.6	3.4
Polk	6.7	7.1	7.9	8.0	7.8	7.3	6.8	6.6	6.7	7.2	7.7	8.0	8.6	9.6	8.7	8.0	7.1
Pottawattamie	8.3	8.9	9.9	10.0	9.8	9.2	8.1	7.5	7.2	7.2	7.3	7.4	7.7	8.7	8.3	8.0	7.4
Poweshiek	4.5	4.7	5.0	5.0	4.9	4.7	4.1	3.4	3.9	4.8	5.6	5.7	5.0	5.1	4.3	3.9	3.3
Ringgold	9.1	8.7	9.6	9.9	9.2	8.9	8.6	8.6	10.0	11.2	10.0	10.8	9.3	8.5	6.9	6.2	6.1
Sac	5.0	5.3	5.0	4.9	5.0	5.0	4.5	4.4	4.3	5.0	5.6	5.2	5.2	4.8	4.3	3.2	2.8
Scott	9.6	10.1	10.7	10.6	10.3	9.8	9.3	9.0	9.2	9.8	9.8	9.5	9.4	9.3	7.9	6.4	5.7
Shelby	4.5	5.1	4.8	5.0	5.0	4.5	4.0	3.3	3.7	4.7	4.8	4.5	4.2	4.2	3.7	3.0	2.9
Sioux	2.3	2.4	2.1	2.0	2.3	2.4	2.6	2.9	3.0	3.7	4.0	3.3	2.9	3.0	2.8	2.4	2.4
Story	3.1	3.3	3.4	3.2	3.1	2.8	2.6	2.5	2.5	2.8	2.7	2.8	2.9	3.1	2.8	2.5	2.2
Tama	4.3	4.4	5.1	5.6	6.3	5.8	5.0	4.7	5.2	6.4	6.6	6.2	6.0	6.1	5.3	5.3	4.8
Taylor	8.3	7.9	7.8	7.9	7.3	8.0	7.7	7.2	7.3	8.8	10.0	9.9	8.7	8.5	7.1	6.4	6.5
Union	8.7	9.1	9.5	9.6	9.2	9.1	8.6	8.4	8.1	9.0	9.7	9.7	9.1	8.3	6.5	6.4	5.5
Van Buren	5.9	6.1	6.4	7.6	7.3	7.4	7.1	6.9	7.8	8.5	9.1	8.7	8.7	8.7	7.0	5.9	5.9
Wapello	11.9	11.8	12.0	12.1	12.2	11.7	11.0	11.1	12.3	13.9	14.1	11.7	11.4	11.6	9.4	8.4	7.4
Warren	3.2	3.8	4.5	4.8	4.7	4.5	4.1	4.0	4.1	4.4	4.8	5.0	4.8	5.0	4.2	4.0	3.5
Washington	4.6	4.4	4.8	4.7	4.8	4.7	4.6	4.5	4.7	5.1	5.1	4.4	3.8	3.4	3.4	3.2	2.9
Wayne	8.9	9.4	9.4	9.9	9.7	9.0	8.9	8.5	9.9	10.4	11.1	11.3	10.2	9.5	8.3	6.8	6.6
Webster	8.9	9.1	9.7	10.1	9.7	9.3	8.7	8.5	8.6	9.5	9.8	8.9	8.5	8.8	7.7	6.9	6.1
Winnebago	4.1	4.1	4.4	4.5	4.4	4.3	3.9	3.3	3.2	3.8	4.1	3.7	3.5	3.9	3.8	3.8	3.3
Winneshiek	3.0	3.1	3.6	3.8	3.6	3.4	3.4	3.6	4.2	5.1	5.8	5.4	4.6	4.4	3.9	3.9	3.4
Woodbury	6.2	6.4	7.1	8.0	8.6	8.4	7.8	7.4	7.9	9.4	9.1	8.9	8.9	8.8	8.0	7.5	7.1
Worth	3.4	3.9	4.6	5.6	5.6	5.2	5.1	4.4	4.9	5.9	6.1	5.5	5.7	6.3	5.8	5.3	4.7
Wright	5.1	5.4	6.0	5.8	6.0	5.6	5.1	4.3	4.5	5.3	5.9	5.6	5.1	5.5	4.9	4.9	4.9
State of Iowa	6.1	6.4	6.9	7.0	6.9	6.6	6.2	6.0	6.3	7.1	7.5	7.3	7.1	7.4	6.4	5.7	5.1

Table 4. Total Annual Food Stamp Benefits (in \$1,000) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	350	328	319	349	319	296	261	220	218	264	321	341	287	274	209	180	126
Adams	271	255	265	283	298	266	220	187	207	281	276	242	132	120	77	94	80
Allamakee	430	435	459	461	421	379	323	313	368	425	487	444	389	380	355	315	257
Appanoose	1388	1336	1318	1337	1384	1202	1078	1036	1054	1049	1103	1130	1096	1109	885	712	541
Audubon	201	202	214	211	239	217	190	168	195	226	247	225	150	157	139	143	108
Benton	772	826	875	941	965	877	807	661	647	701	707	730	734	781	644	529	327
Black Hawk	9169	9164	9272	9275	9050	8368	7808	7463	7758	8453	8668	8394	8433	7683	6447	6055	4153
Boone	1088	1116	1183	1220	1202	1000	761	720	751	767	804	802	823	942	803	688	467
Bremer	531	555	649	630	544	552	489	427	514	644	758	689	614	550	455	407	236
Buchanan	856	859	936	947	1009	1040	908	855	966	1115	1208	1169	1072	1006	717	643	401
Buena Vista	648	671	649	670	689	611	491	419	427	449	498	436	424	441	421	334	191
Butler	476	539	529	462	537	536	473	430	473	573	651	599	508	477	359	333	210
Calhoun	426	417	448	440	457	398	338	313	334	403	417	368	278	277	252	248	191
Carroll	568	599	627	630	587	554	512	478	441	497	525	508	416	414	393	344	242
Cass	602	699	734	728	703	606	516	445	421	450	489	505	408	410	395	392	255
Cedar	647	621	659	673	626	559	503	456	466	524	516	482	431	429	405	340	280
Cerro Gordo	2307	2276	2337	2368	2336	2088	1808	1576	1511	1555	1574	1446	1386	1557	1362	1298	932
Cherokee	375	383	409	417	419	370	318	282	298	363	374	322	285	292	237	201	148
Chickasaw	343	345	378	373	387	365	339	315	381	505	550	507	450	436	305	271	161
Clarke	623	647	648	606	600	513	433	354	403	430	444	426	362	384	341	268	200
Clay	574	580	612	640	697	657	581	524	528	601	656	650	553	555	479	447	307
Clayton	444	440	488	498	550	514	502	503	540	625	737	740	674	762	605	510	388
Clinton	3478	3459	3546	3543	3461	3186	2807	2485	2424	2595	2771	2884	2518	2330	1743	1316	950
Crawford	878	876	863	776	743	695	627	530	533	525	529	490	451	486	393	305	219
Dallas	1113	1196	1175	1181	1186	1050	925	818	781	856	917	960	906	891	671	575	412
Davis	337	391	424	428	461	411	394	386	431	478	496	452	434	426	303	263	193
Decatur	702	710	763	715	660	581	496	442	442	432	461	436	395	379	316	293	216
Delaware	558	610	590	620	627	582	585	592	660	817	936	880	758	770	597	570	402
Des Moines	2892	2924	2916	2945	2763	2517	2230	1943	1795	1811	1842	1941	1914	1943	1716	1631	1172
Dickinson	436	469	456	430	422	403	337	348	346	310	306	329	312	344	310	270	197
Dubuque	3166	2939	3128	3292	3344	3064	2869	2735	2907	3322	3529	3677	3810	3952	2947	2503	1702
Emmet	398	481	529	556	602	565	515	427	401	440	491	464	392	411	334	280	207
Fayette	1050	1004	1077	1113	1110	1016	857	805	872	995	1096	1069	922	909	676	529	350



Table 4. Total Annual Food Stamp Benefits (in \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	788	892	963	894	872	773	707	604	616	711	731	737	679	760	619	535	386
Franklin	396	445	434	431	460	422	381	317	301	310	345	278	260	291	238	225	168
Fremont	483	485	493	429	414	357	316	289	283	289	284	285	250	238	192	179	151
Greene	452	458	442	439	413	392	303	260	260	271	304	352	315	330	297	257	183
Grundy	264	264	228	302	340	317	244	220	212	241	248	255	224	250	171	156	106
Guthrie	475	487	524	542	526	448	345	344	380	433	457	444	386	397	347	305	215
Hamilton	582	584	662	702	724	638	477	414	475	508	489	445	399	429	409	414	330
Hancock	360	345	405	435	458	394	354	280	299	324	357	301	230	298	275	230	199
Hardin	775	871	991	928	836	685	587	515	546	563	563	482	394	409	380	333	215
Harrison	785	783	800	822	869	774	668	604	583	578	567	605	552	553	468	389	312
Henry	853	848	883	875	834	737	624	506	467	443	474	513	489	504	407	391	289
Howard	293	315	378	372	352	307	299	292	310	393	464	414	376	368	256	195	164
Humboldt	321	356	353	398	390	335	297	262	310	321	313	330	253	258	219	249	174
Ida	211	212	188	201	196	187	119	107	126	145	162	143	118	121	123	99	80
Iowa	356	329	350	319	312	285	253	205	210	257	276	262	198	230	212	181	136
Jackson	918	964	1047	1032	1017	988	879	825	907	1032	1116	1014	921	889	678	522	374
Jasper	1139	1166	1199	1340	1294	1172	969	861	916	1014	1117	1126	1155	1286	1161	1040	699
Jefferson	970	980	1030	1040	985	890	731	637	609	589	596	606	601	588	532	439	309
Johnson	2810	2582	2431	2371	2225	1852	1500	1298	1246	1214	1152	1140	1090	1162	1090	1049	680
Jones	691	747	706	724	672	605	512	519	559	626	677	668	611	646	559	493	346
Keokuk	664	618	597	655	661	668	567	492	467	486	526	481	406	388	310	286	209
Kossuth	493	575	624	633	645	577	465	392	415	487	509	439	333	373	340	329	219
Lee	2510	2390	2637	2757	2696	2455	2071	1870	1909	2019	2039	2074	2044	2124	1751	1508	1028
Linn	8073	8207	8518	8361	8202	7516	6418	5709	5893	6340	6453	6582	6722	6927	5994	5460	3556
Louisa	672	691	675	657	662	598	491	424	437	464	494	488	484	459	374	328	272
Lucas	675	670	665	601	590	527	469	426	424	459	500	522	501	516	461	388	280
Lyon	278	278	283	287	279	224	218	200	222	269	296	272	218	229	199	169	106
Madison	408	447	449	478	459	419	355	338	315	343	374	375	338	367	297	238	160
Mahaska	1211	1123	1159	1196	1218	1159	1020	903	844	959	998	989	925	1020	863	765	551
Marion	1085	1186	1232	1262	1171	1018	855	765	810	889	968	955	945	947	737	627	480
Marshall	2425	2196	2244	2277	2218	1924	1646	1473	1466	1511	1482	1448	1440	1435	1216	1035	725
Mills	724	753	758	685	643	582	480	388	405	415	387	391	366	385	344	301	213
Mitchell	204	206	246	279	324	265	220	210	243	264	285	281	253	304	260	224	149

Table 4. Total Annual Food Stamp Benefits (in \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	488	525	572	593	634	586	480	429	415	462	521	470	405	433	409	323	244
Monroe	527	559	577	572	558	524	497	477	517	528	566	484	432	424	321	258	189
Montgomery	681	694	649	615	631	517	401	351	327	348	355	400	352	371	329	277	195
Muscatine	2849	2761	2719	2652	2658	2414	2158	1849	1804	1959	1965	1947	1711	1678	1463	1274	1077
O'Brien	348	374	338	351	363	279	247	220	279	351	372	332	303	295	240	213	154
Osceola	182	188	179	173	170	168	134	128	141	193	253	238	151	141	106	85	69
Page	852	820	853	868	879	842	713	673	645	643	688	685	620	630	511	442	317
Palo Alto	287	349	396	437	455	410	344	300	314	392	425	425	355	397	358	320	238
Plymouth	439	443	420	416	437	413	391	393	459	536	610	539	457	461	415	397	281
Pocahontas	301	333	338	347	373	337	248	194	200	264	301	246	207	216	196	173	137
Polk	20751	21484	22643	23693	21300	18647	15570	13413	12840	12646	12987	13553	14026	15501	13618	12672	8884
Pottawattamie	5809	6100	6443	6453	6282	5610	4557	3832	3552	3292	3205	3322	3311	3655	3357	3233	2423
Poweshiek	690	684	696	700	684	613	480	378	409	463	512	541	472	471	390	353	241
Ringgold	339	316	327	351	330	310	267	251	283	293	262	307	262	232	187	157	122
Sac	398	432	396	377	408	381	316	276	250	290	336	314	308	290	244	185	127
Scott	12849	13318	13465	13338	12767	11283	9912	8763	8652	8704	8457	8410	8127	7966	6698	5430	3920
Shelby	438	476	442	437	430	388	315	239	269	314	321	309	293	295	245	207	157
Sioux	491	479	400	367	428	408	393	408	418	475	546	437	373	394	352	305	254
Story	2043	2168	2143	1988	1835	1521	1278	1152	1077	1110	1046	1121	1082	1129	955	871	632
Tama	555	572	631	685	783	687	556	483	519	590	634	572	545	544	453	451	331
Taylor	406	373	372	374	355	346	298	253	259	307	344	385	321	297	240	200	173
Union	827	858	842	830	811	767	673	589	547	577	617	649	605	543	413	390	268
Van Buren	334	341	349	411	399	386	333	293	328	335	357	366	353	353	282	229	185
Wapello	3301	3136	3148	3166	3180	2898	2542	2400	2514	2741	2707	2344	2233	2180	1688	1499	1039
Warren	998	1178	1323	1396	1325	1150	986	862	842	828	869	916	844	836	690	659	453
Washington	737	669	683	674	698	635	565	518	532	529	516	455	380	303	297	298	211
Wayne	433	437	418	451	446	390	363	319	356	356	400	436	368	349	293	235	188
Webster	2673	2732	2809	2972	2863	2593	2226	2013	1965	2054	2064	1922	1830	1838	1590	1416	984
Winnebago	346	340	362	371	360	331	281	217	203	214	237	215	195	223	196	204	152
Winneshiek	413	428	493	528	505	452	414	405	469	543	596	559	458	448	381	391	271
Woodbury	4944	5040	5274	5845	6208	5677	4810	4133	4280	4730	4430	4515	4367	4263	3760	3536	2669
Worth	196	223	260	319	315	272	250	196	212	256	260	240	232	263	239	223	152
Wright	532	558	608	590	589	545	474	372	356	393	473	474	410	427	364	364	298
State of Iowa	138897	141193	145639	147823	143810	129308	111612	99383	100189	106361	109618	108561	103582	105605	89346	79904	56720

Table 5. Adjusted Total Annual Food Stamp Benefits (in 1996 \$1,000) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	350	338	338	379	356	340	312	277	287	362	456	492	428	423	332	303	234
Adams	271	262	280	307	332	305	263	235	273	385	392	349	197	185	122	158	149
Allamakee	430	448	486	500	470	435	386	393	485	582	691	640	581	587	565	531	478
Appanoose	1388	1375	1395	1451	1544	1380	1287	1302	1389	1438	1566	1629	1636	1712	1408	1200	1006
Audubon	201	208	226	229	267	249	227	211	257	310	351	324	224	242	221	241	201
Benton	772	850	926	1021	1077	1007	964	831	853	961	1004	1052	1096	1206	1024	892	608
Black Hawk	9169	9431	9813	10064	10097	9607	9325	9382	10223	11584	12305	12099	12586	11860	10256	10209	7719
Boone	1088	1149	1252	1324	1341	1148	909	905	990	1051	1141	1156	1228	1454	1277	1160	868
Bremer	531	571	687	684	607	634	584	537	677	883	1076	993	916	849	724	686	439
Buchanan	856	884	991	1028	1126	1194	1084	1075	1273	1528	1715	1685	1600	1553	1141	1084	745
Buena Vista	648	691	687	727	769	701	586	527	563	615	707	628	633	681	670	563	355
Butler	476	555	560	501	599	615	565	541	623	785	924	863	758	736	571	561	390
Calhoun	426	429	474	477	510	457	404	393	440	552	592	530	415	428	401	418	355
Carroll	568	616	664	684	655	636	611	601	581	681	745	732	621	639	625	580	450
Cass	602	719	777	790	784	696	616	559	555	617	694	728	609	633	628	661	474
Cedar	647	639	697	730	698	642	601	573	614	718	733	695	643	662	644	573	520
Cerro Gordo	2307	2342	2473	2569	2606	2397	2159	1981	1991	2131	2234	2084	2069	2404	2167	2188	1732
Cherokee	375	394	433	452	467	425	380	355	393	497	531	464	425	451	377	339	275
Chickasaw	343	355	400	405	432	419	405	396	502	692	781	731	672	673	485	457	299
Clarke	623	666	686	658	669	589	517	445	531	589	630	614	540	593	542	452	372
Clay	574	597	648	694	778	754	694	659	696	824	931	937	825	857	762	754	571
Clayton	444	453	516	540	614	590	600	632	712	857	1046	1067	1006	1176	962	860	721
Clinton	3478	3560	3753	3844	3861	3658	3352	3124	3194	3556	3934	4157	3758	3597	2773	2219	1766
Crawford	878	902	913	842	829	798	749	666	702	719	751	706	673	750	625	514	407
Dallas	1113	1231	1244	1281	1323	1205	1105	1028	1029	1173	1302	1384	1352	1375	1067	969	766
Davis	337	402	449	464	514	472	471	485	568	655	704	652	648	658	482	443	359
Decatur	702	731	807	776	736	667	592	556	582	592	654	628	590	585	503	494	401
Delaware	558	628	624	673	700	668	699	744	870	1120	1329	1268	1131	1189	950	961	747
Des Moines	2892	3009	3086	3196	3083	2890	2663	2443	2365	2482	2615	2798	2857	2999	2730	2750	2178
Dickinson	436	483	483	467	471	463	402	437	456	425	434	474	466	531	493	455	366
Dubuque	3166	3025	3310	3572	3731	3518	3427	3438	3831	4553	5010	5300	5687	6101	4688	4220	3164
Emmet	398	495	560	603	672	649	615	537	528	603	697	669	585	634	531	472	385
Fayette	1050	1033	1140	1208	1238	1166	1024	1012	1149	1364	1556	1541	1376	1403	1075	892	651

Table 5. Adjusted Total Annual Food Stamp Benefits (in 1996 \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	788	918	1019	970	973	887	844	759	812	974	1038	1062	1013	1173	985	902	717
Franklin	396	458	459	468	513	484	455	399	397	425	490	401	388	449	379	379	312
Fremont	483	499	522	466	462	410	377	363	373	396	403	411	373	367	305	302	281
Greene	452	471	468	476	461	450	362	327	343	371	432	507	470	509	472	433	340
Grundy	264	272	241	328	379	364	291	277	279	330	352	368	334	386	272	263	197
Guthrie	475	501	555	588	587	514	412	432	501	593	649	640	576	613	552	514	400
Hamilton	582	601	701	762	808	732	570	520	626	696	694	641	596	662	651	698	613
Hancock	360	355	429	472	511	452	423	352	394	444	507	434	343	460	437	388	370
Hardin	775	896	1049	1007	933	786	701	647	719	772	799	695	588	631	604	561	400
Harrison	785	806	847	892	970	889	798	759	768	792	805	872	824	854	744	656	580
Henry	853	873	934	949	930	846	745	636	615	607	673	739	730	778	647	659	537
Howard	293	324	400	404	393	352	357	367	408	539	659	597	561	568	407	329	305
Humboldt	321	366	374	432	435	385	355	329	408	440	444	476	378	398	348	420	323
Ida	211	218	199	218	219	215	142	135	166	199	230	206	176	187	196	167	149
Iowa	356	339	370	346	348	327	302	258	277	352	392	378	296	355	337	305	253
Jackson	918	992	1108	1120	1135	1134	1050	1037	1195	1414	1584	1462	1375	1372	1079	880	695
Jasper	1139	1200	1269	1454	1444	1345	1157	1082	1207	1390	1586	1623	1724	1985	1847	1753	1299
Jefferson	970	1009	1090	1128	1099	1022	873	801	803	807	846	874	897	908	846	740	574
Johnson	2810	2657	2573	2573	2482	2126	1791	1632	1642	1664	1635	1643	1627	1794	1734	1769	1264
Jones	691	769	747	786	750	695	611	652	737	858	961	963	912	997	889	831	643
Keokuk	664	636	632	711	737	767	677	619	615	666	747	693	606	599	493	482	388
Kossuth	493	592	660	687	720	662	555	493	547	667	723	633	497	576	541	555	407
Lee	2510	2460	2791	2992	3008	2818	2473	2351	2516	2767	2895	2990	3051	3279	2785	2543	1911
Linn	8073	8446	9015	9072	9151	8629	7665	7177	7765	8689	9161	9488	10033	10693	9535	9206	6610
Louisa	672	711	714	713	739	687	586	533	576	636	701	703	722	709	595	553	506
Lucas	675	690	704	652	658	605	560	536	559	629	710	752	748	797	733	654	520
Lyon	278	286	300	311	311	257	260	251	293	369	420	392	325	354	317	285	197
Madison	408	460	475	519	512	481	424	425	415	470	531	541	504	567	472	401	297
Mahaska	1211	1156	1227	1298	1359	1331	1218	1135	1112	1314	1417	1426	1381	1575	1373	1290	1024
Marion	1085	1221	1304	1369	1306	1169	1021	962	1067	1218	1374	1377	1410	1462	1172	1057	892
Marshall	2425	2260	2375	2471	2475	2209	1966	1852	1932	2071	2104	2087	2149	2215	1934	1745	1348
Mills	724	775	802	743	717	668	573	488	534	569	549	564	546	594	547	507	396
Mitchell	204	212	260	303	361	304	263	264	320	362	405	405	378	469	414	378	277

Table 5. Adjusted Total Annual Food Stamp Benefits (in 1996 \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	488	540	605	643	707	673	573	539	547	633	740	677	604	668	651	545	454
Monroe	527	575	611	621	623	602	594	600	681	724	803	698	645	655	511	435	351
Montgomery	681	714	687	667	704	594	479	441	431	477	504	577	525	573	523	467	362
Muscatine	2849	2841	2878	2878	2965	2771	2577	2324	2377	2685	2790	2806	2554	2590	2327	2148	2002
O'Brien	348	385	358	381	405	320	295	277	368	481	528	479	452	455	382	359	286
Osceola	182	193	189	188	190	193	160	161	186	264	359	343	225	218	169	143	128
Page	852	844	903	942	981	967	852	846	850	881	977	987	925	973	813	745	589
Palo Alto	287	359	419	474	508	471	411	377	414	537	603	613	530	613	570	540	442
Plymouth	439	456	444	451	488	474	467	494	605	735	866	777	682	712	660	669	522
Pocahontas	301	343	358	377	416	387	296	244	264	362	427	355	309	333	312	292	255
Polk	20751	22110	23964	25709	23764	21407	18596	16862	16920	17331	18436	19536	20934	23929	21663	21365	16513
Pottawattamie	5809	6278	6819	7002	7009	6440	5443	4817	4681	4512	4550	4788	4942	5642	5340	5451	4504
Poweshiek	690	704	737	760	763	704	573	475	539	635	727	780	704	727	620	595	448
Ringgold	339	325	346	381	368	356	319	316	373	402	372	443	391	358	297	265	227
Sac	398	445	419	409	455	437	377	347	329	397	477	453	460	448	388	312	236
Scott	12849	13706	14250	14473	14244	12953	11838	11016	11401	11928	12006	12123	12130	12297	10655	9155	7286
Shelby	438	490	468	474	480	445	376	300	354	430	456	445	437	455	390	349	292
Sioux	491	493	423	398	478	468	469	513	551	651	775	630	557	608	560	514	472
Story	2043	2231	2268	2157	2047	1746	1526	1448	1419	1521	1485	1616	1615	1743	1519	1469	1175
Tama	555	589	668	743	874	789	664	607	684	809	900	825	813	840	721	760	615
Taylor	406	384	394	406	396	397	356	318	341	421	488	555	479	458	382	337	322
Union	827	883	891	901	905	881	804	740	721	791	876	935	903	838	657	658	498
Van Buren	334	351	369	446	445	443	398	368	432	459	507	528	527	545	449	386	344
Wapello	3301	3227	3332	3435	3548	3327	3036	3017	3313	3756	3843	3379	3333	3365	2685	2527	1931
Warren	998	1212	1400	1515	1478	1320	1178	1084	1110	1135	1234	1320	1260	1291	1098	1111	842
Washington	737	688	723	731	779	729	675	651	701	725	733	656	567	468	472	502	392
Wayne	433	450	442	489	498	448	434	401	469	488	568	628	549	539	466	396	349
Webster	2673	2812	2973	3225	3194	2977	2659	2531	2589	2815	2930	2770	2731	2837	2529	2387	1829
Winnebago	346	350	383	403	402	380	336	273	268	293	336	310	291	344	312	344	283
Winneshiek	413	440	522	573	563	519	494	509	618	744	846	806	684	692	606	659	504
Woodbury	4944	5187	5582	6342	6926	6517	5745	5196	5640	6482	6289	6508	6518	6581	5981	5962	4961
Worth	196	229	275	346	351	312	299	246	279	351	369	346	346	406	380	376	283
Wright	532	574	643	640	657	626	566	468	469	539	671	683	612	659	579	614	554
State of Iowa	138897	145308	154133	160401	160445	148450	133301	124936	132023	145762	155614	156485	154598	163024	142130	134719	105426

Table 6. Average Food Stamp Benefits (in \$) Received Per Person Per Month in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	60.18	60.14	57.98	59.78	58.85	53.23	48.55	45.86	42.62	40.82	41.46	42.58	40.75	38.51	37.31	37.22	30.52
Adams	62.33	58.71	54.94	57.99	57.11	56.20	48.55	45.88	45.74	44.83	44.06	43.91	39.08	36.50	32.49	35.59	27.80
Allamakee	62.39	59.34	57.91	56.83	55.36	51.89	48.04	43.94	42.38	42.09	42.07	41.67	38.95	38.99	37.71	36.48	29.56
Appanoose	63.97	62.46	60.74	60.13	61.82	57.52	53.55	49.23	46.95	43.57	41.56	42.61	40.36	39.98	37.91	37.34	29.25
Audubon	59.11	57.92	53.82	54.35	53.78	54.19	48.92	45.45	47.66	44.16	43.01	41.14	37.87	39.22	37.06	35.84	29.80
Benton	61.89	61.15	60.29	59.83	58.77	57.57	53.03	48.38	46.23	42.85	41.83	43.27	42.05	41.15	37.72	39.95	30.19
Black Hawk	65.88	64.57	62.16	61.75	61.86	58.10	54.27	50.16	49.00	46.45	45.06	45.83	45.41	44.59	43.78	44.91	34.55
Boone	68.59	66.17	65.11	65.09	64.90	58.99	53.01	48.15	48.04	45.10	42.98	43.66	43.40	42.23	40.82	41.46	30.97
Bremer	59.43	60.86	57.71	56.48	57.63	55.02	52.37	46.84	45.82	42.69	41.74	42.05	42.17	41.04	39.07	40.31	31.27
Buchanan	61.81	59.92	57.45	56.58	58.89	57.23	52.72	48.34	47.10	44.64	43.24	44.27	43.32	40.46	37.80	38.64	30.28
Buena Vista	61.18	61.97	57.84	58.95	59.77	54.79	51.45	45.56	43.79	40.96	41.54	41.65	39.92	39.04	37.78	37.62	29.07
Butler	55.66	57.85	54.78	54.03	56.14	55.25	49.94	45.15	43.49	41.67	40.80	41.38	40.78	39.06	37.24	38.58	29.02
Calhoun	59.00	57.94	56.87	56.08	56.13	53.21	48.21	46.11	43.66	41.64	40.26	41.37	38.92	37.44	36.40	36.46	28.75
Carroll	56.25	56.48	56.65	56.29	56.78	53.48	49.14	44.52	43.24	40.19	38.88	38.81	36.71	37.06	36.36	35.74	28.90
Cass	58.93	60.11	56.14	57.45	58.97	56.61	51.81	47.50	46.49	42.81	41.03	42.70	39.95	38.38	38.30	36.87	28.74
Cedar	65.02	63.83	60.36	62.41	60.79	57.25	53.51	49.74	48.26	46.34	44.28	44.41	43.61	41.82	41.27	41.04	33.48
Cerro Gordo	63.52	62.04	59.58	60.03	60.64	58.23	53.42	49.03	46.51	44.16	42.01	41.88	41.09	40.74	38.94	39.03	30.38
Cherokee	61.42	62.80	59.93	58.08	59.66	55.40	50.67	46.17	44.93	43.58	40.49	39.24	38.12	37.77	34.14	33.00	25.67
Chickasaw	57.36	56.01	54.93	55.67	53.74	53.90	49.39	44.41	44.35	42.87	41.65	41.59	40.00	39.14	36.34	37.05	26.96
Clarke	65.54	64.99	62.51	59.57	59.24	57.01	53.24	47.73	47.12	44.43	43.68	44.21	41.54	41.50	38.88	39.75	32.49
Clay	62.50	59.28	55.16	53.89	55.81	52.84	49.49	45.05	42.47	40.47	40.81	41.33	38.86	38.89	37.36	37.60	29.62
Clayton	60.16	59.11	57.33	54.48	57.16	53.42	49.00	44.76	44.03	42.04	41.46	42.05	40.17	41.02	39.56	38.60	32.86
Clinton	67.88	66.17	64.20	64.07	65.87	62.37	57.20	52.60	50.46	48.15	46.06	46.59	44.76	42.69	39.63	40.33	32.82
Crawford	62.67	61.83	59.81	59.28	60.81	56.37	51.13	46.82	45.54	42.68	42.12	41.42	38.81	38.61	37.70	36.08	29.61
Dallas	68.52	68.97	64.75	64.55	64.03	59.36	55.07	50.71	47.66	45.07	42.30	42.51	42.16	40.35	37.77	37.13	29.52
Davis	62.68	62.40	62.43	61.23	60.00	56.91	53.32	47.35	45.44	43.64	43.11	41.57	40.35	38.46	36.56	37.63	29.22
Decatur	59.41	57.70	57.50	56.72	56.29	52.72	48.71	44.18	41.68	40.00	39.37	39.93	38.38	37.71	34.56	34.46	27.78
Delaware	57.29	57.65	52.49	52.09	54.94	53.06	49.49	45.90	44.35	42.70	42.46	41.79	41.30	40.20	37.61	38.71	30.13
Des Moines	67.34	66.69	63.47	63.57	63.52	60.21	55.50	50.36	47.61	45.44	43.28	44.23	43.52	41.31	40.28	40.02	32.30
Dickinson	63.13	63.27	60.40	58.53	57.80	54.55	49.30	45.60	44.86	40.19	39.23	40.06	37.44	37.08	36.44	35.71	28.32
Dubuque	62.70	61.36	59.39	59.68	60.48	57.73	52.80	48.44	46.47	44.54	42.81	43.47	43.43	42.61	39.78	40.59	32.38
Emmet	57.08	60.05	57.45	56.72	58.03	57.23	52.96	46.23	42.99	40.80	39.82	40.80	38.87	35.74	35.06	36.06	27.68
Fayette	61.13	57.73	55.05	54.73	54.54	52.03	47.76	43.88	43.11	42.30	41.07	41.69	41.93	38.16	37.35	37.69	29.79

Table 6. Average Food Stamp Benefits (in \$) Received Per Person Per Month in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	58.37	59.46	56.61	55.98	54.70	52.02	48.44	42.88	42.26	41.41	39.49	39.60	37.73	36.91	35.71	35.88	27.72
Franklin	57.49	58.14	56.01	56.37	57.25	56.41	53.55	48.00	45.47	41.28	40.97	38.73	36.78	36.39	32.84	34.31	28.28
Fremont	59.41	60.47	55.94	54.00	54.08	52.56	48.35	42.73	42.60	40.85	38.41	40.37	38.30	37.43	35.63	33.86	28.06
Greene	60.30	59.87	55.93	56.83	57.60	54.59	49.51	45.68	43.40	38.83	37.37	39.73	37.61	37.41	36.80	35.61	27.72
Grundy	63.15	63.77	59.44	60.80	62.56	60.00	53.13	47.42	47.33	43.76	42.13	42.01	39.12	39.73	36.60	38.01	30.14
Guthrie	61.20	58.41	55.98	55.96	57.18	52.76	48.40	45.56	44.03	41.47	40.97	41.90	39.69	38.05	36.03	34.99	28.37
Hamilton	64.84	63.10	58.69	60.40	60.60	56.42	50.32	45.16	46.15	44.34	42.40	42.16	40.12	38.30	37.64	36.28	29.47
Hancock	61.42	58.89	57.27	55.57	56.76	51.49	46.75	43.31	43.46	40.36	40.68	40.48	37.20	36.56	36.23	35.82	29.17
Hardin	61.33	60.72	59.48	58.53	55.86	52.05	50.15	45.11	43.09	42.29	41.61	42.14	39.09	38.53	36.77	35.46	27.75
Harrison	58.44	57.51	55.27	54.82	56.47	53.22	49.25	44.75	43.39	40.52	39.19	40.06	37.45	36.36	34.76	34.39	28.70
Henry	64.49	63.43	59.75	60.31	59.20	54.82	52.53	47.47	47.44	43.48	41.40	41.58	40.91	39.55	37.83	39.76	30.28
Howard	56.49	54.97	54.85	53.95	54.77	51.10	46.54	43.71	43.51	42.38	42.16	41.02	40.07	40.34	38.73	34.53	28.19
Humboldt	59.62	57.81	54.24	56.28	55.37	51.86	47.06	43.08	43.38	40.61	38.44	41.17	36.39	37.39	36.33	37.77	30.40
Ida	58.89	56.15	53.90	52.25	53.97	50.81	44.59	41.40	42.34	39.29	38.24	39.02	36.61	35.94	34.93	35.50	28.39
Iowa	63.92	58.12	57.01	56.72	56.89	55.09	52.36	48.58	44.99	43.76	42.59	42.00	40.35	41.11	37.50	38.32	31.83
Jackson	63.12	60.24	58.85	58.25	58.56	56.79	51.77	47.68	46.01	43.86	42.39	42.89	41.27	40.40	37.64	37.83	28.98
Jasper	64.17	64.18	60.75	61.64	61.64	57.65	53.27	47.83	46.75	44.19	42.38	42.08	41.32	41.33	39.78	39.82	31.88
Jefferson	70.11	69.12	66.01	65.98	64.19	61.85	55.57	50.81	50.60	26.55	44.41	45.21	43.41	41.00	39.47	40.13	30.63
Johnson	73.04	71.12	67.30	66.37	65.61	60.69	55.24	51.23	50.00	48.08	45.05	45.87	44.53	43.66	42.59	43.72	33.26
Jones	64.05	64.57	59.87	59.19	59.57	55.62	51.45	47.85	46.88	44.09	42.89	44.31	41.95	40.88	39.23	39.08	31.51
Keokuk	60.65	60.62	55.82	57.61	59.72	56.84	52.10	48.07	45.50	42.19	40.61	42.48	40.16	38.22	37.05	35.42	28.50
Kossuth	57.24	56.98	55.52	54.86	55.13	54.41	48.99	43.01	42.93	40.58	39.96	40.26	37.42	36.29	34.80	36.20	28.46
Lee	64.91	63.08	61.70	62.42	62.68	60.21	55.36	50.65	49.49	47.09	44.98	45.84	44.05	43.31	40.77	41.18	32.36
Linn	69.37	67.45	64.79	64.59	64.26	61.12	56.59	51.88	50.11	47.75	45.90	46.70	45.90	44.54	43.12	44.33	34.44
Louisa	65.27	65.57	62.59	61.82	61.61	58.25	54.90	49.79	48.40	45.04	43.05	44.34	41.81	39.57	38.30	35.97	30.50
Lucas	65.01	62.22	59.25	58.55	58.99	55.29	52.98	48.90	45.67	43.72	42.11	41.91	40.73	40.41	40.21	38.90	29.14
Lyon	56.94	54.60	51.08	51.81	50.65	47.10	44.04	40.53	41.48	40.00	39.39	37.86	35.35	37.09	36.24	37.60	30.24
Madison	63.66	63.41	58.28	59.78	59.41	56.02	53.43	48.96	47.56	43.93	41.91	42.76	39.54	39.95	37.03	36.46	28.42
Mahaska	63.89	61.92	60.03	59.18	58.87	55.97	52.08	47.72	45.47	44.07	41.28	41.74	39.69	40.71	39.23	39.90	32.14
Marion	63.12	63.33	61.04	62.76	61.97	58.12	52.98	48.55	46.81	44.42	43.91	44.44	42.23	40.57	39.31	38.80	30.96
Marshall	68.91	65.13	62.09	62.76	62.58	59.06	55.26	51.10	48.88	45.47	44.20	44.79	42.79	41.88	40.17	40.08	32.21
Mills	66.96	65.82	63.26	61.24	59.16	55.75	52.84	49.16	47.00	43.25	40.58	42.50	39.56	37.99	36.65	36.80	29.80
Mitchell	56.58	55.83	54.30	55.85	57.69	51.76	47.29	43.10	42.47	41.75	41.18	40.07	39.09	38.39	35.81	34.95	27.13

Table 6. Average Food Stamp Benefits (in \$) Received Per Person Per Month in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	59.60	58.00	56.07	56.23	56.04	53.97	48.84	44.25	42.93	40.06	39.74	40.48	37.43	37.76	37.02	36.20	28.51
Monroe	60.12	59.03	57.82	57.90	59.31	56.83	52.60	48.54	46.79	45.60	44.49	44.38	42.61	41.70	37.87	37.79	30.15
Montgomery	63.02	60.99	58.01	58.95	60.32	57.47	51.23	46.21	44.59	41.97	40.11	42.23	40.86	40.34	39.42	37.75	30.06
Muscatine	68.61	67.30	64.17	62.05	61.53	58.92	55.12	50.21	48.45	46.25	45.45	46.32	44.20	42.65	41.82	40.47	33.61
O'Brien	55.72	55.39	49.87	51.02	51.01	50.00	46.50	43.47	41.83	39.97	38.18	38.47	35.28	35.60	37.11	37.08	30.05
Osceola	55.45	56.98	56.35	54.27	56.63	53.23	48.70	42.74	41.99	40.76	41.26	44.59	41.00	38.36	35.92	34.80	29.00
Page	58.32	58.04	54.87	55.90	55.28	51.50	48.18	44.99	43.10	40.26	39.90	40.04	39.49	37.61	35.68	35.52	28.70
Palo Alto	53.17	55.68	53.49	56.77	56.23	51.74	45.85	42.37	42.10	41.01	40.09	40.55	37.63	37.63	35.99	36.33	28.25
Plymouth	56.98	55.47	53.01	53.37	53.53	50.00	46.03	43.10	42.63	42.23	41.23	39.72	38.28	38.67	37.98	38.31	31.62
Pocahontas	56.57	55.44	53.56	54.02	57.17	53.22	48.94	45.89	43.01	41.35	41.22	39.05	36.66	34.95	35.90	35.47	29.23
Polk	72.40	71.61	69.23	71.80	67.27	63.71	58.27	52.91	50.47	47.04	45.25	45.72	44.40	43.89	42.82	43.23	34.30
Pottawattamie	69.03	67.80	64.98	64.30	64.23	61.61	56.82	51.66	49.65	45.50	43.62	44.19	42.10	41.12	39.19	39.02	31.39
Poweshiek	66.59	64.48	61.30	61.65	61.29	57.22	51.61	47.95	46.33	42.84	40.47	42.03	42.15	40.43	39.68	39.76	31.55
Ringgold	58.08	56.76	53.34	55.09	55.67	53.75	47.54	44.66	43.54	40.13	39.00	41.09	39.41	37.96	36.64	34.75	27.42
Sac	55.71	56.82	54.71	53.27	55.65	52.74	47.05	41.97	39.32	38.29	39.16	38.70	37.43	37.17	34.00	34.15	26.50
Scott	70.71	70.10	67.47	67.47	66.90	62.81	58.83	54.21	52.04	49.23	47.25	47.56	46.21	45.22	44.38	44.29	35.70
Shelby	61.55	59.33	58.40	55.29	54.49	54.27	49.44	44.92	44.53	41.30	40.30	40.57	39.45	40.07	37.71	38.79	30.02
Sioux	58.33	54.10	50.76	50.14	50.57	47.75	42.60	39.63	39.32	36.53	37.76	36.36	34.64	35.08	34.75	34.65	28.57
Story	74.41	73.90	71.31	68.41	65.96	60.56	55.85	52.26	49.50	45.37	42.98	44.35	42.13	40.77	39.43	40.36	33.00
Tama	61.15	60.87	57.57	57.86	59.38	56.69	52.85	48.85	46.80	43.01	43.64	41.36	39.81	38.72	37.28	36.84	29.49
Taylor	56.56	54.68	55.88	55.69	57.03	50.97	45.26	40.73	40.83	39.26	37.81	41.24	38.05	35.39	33.84	31.39	26.33
Union	62.67	62.93	59.07	57.51	58.63	55.47	51.00	46.10	43.89	41.47	41.09	42.40	41.29	39.75	38.26	36.93	29.46
Van Buren	60.59	59.83	58.98	58.11	58.45	55.83	51.10	46.39	44.68	41.85	41.16	43.14	40.71	40.11	39.56	37.11	30.37
Wapello	64.69	61.80	60.63	60.49	60.71	57.54	53.85	50.42	47.87	45.33	43.19	43.69	42.11	40.01	38.03	37.43	29.06
Warren	65.62	66.00	63.40	63.65	62.59	58.49	55.29	50.28	48.55	44.63	42.97	43.88	41.80	40.43	39.06	38.94	30.76
Washington	64.52	61.09	58.77	58.48	60.02	56.04	51.87	48.76	47.74	44.59	42.79	43.31	42.20	37.06	36.74	38.69	30.50
Wayne	59.45	56.61	53.77	54.10	54.56	51.59	47.86	44.41	42.49	39.31	40.78	42.86	38.43	38.80	36.86	35.83	28.81
Webster	64.42	63.38	61.32	61.36	61.43	57.63	53.12	48.44	46.74	43.74	42.07	42.27	41.18	39.44	38.11	37.80	29.23
Winnebago	59.13	57.67	57.44	57.97	56.82	52.99	49.37	45.25	43.70	38.91	39.21	38.91	36.67	37.73	34.17	35.71	29.30
Winneshiek	55.27	55.16	54.19	55.27	55.39	52.65	49.01	45.11	44.69	42.64	40.74	40.63	38.65	38.73	37.60	38.04	30.29
Woodbury	65.12	64.33	60.64	60.55	60.28	56.86	52.43	47.64	46.16	43.53	41.74	42.82	41.17	40.56	38.92	38.79	31.14
Worth	60.44	60.18	59.75	59.28	59.10	55.10	51.11	46.05	43.89	44.01	41.46	42.02	38.79	39.32	38.64	38.99	29.88
Wright	61.20	59.95	58.98	59.35	57.56	57.16	53.89	49.84	46.19	42.82	45.25	45.98	42.43	41.40	38.90	38.21	31.31
State of Iowa	66.17	65.05	62.50	62.66	61.99	58.61	54.08	49.47	47.65	44.90	43.34	43.92	42.54	41.57	40.09	40.26	31.88



Table 7. Adjusted Average Food Stamp Benefits (in 1996 \$) Received Per Person Per Month in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	60.18	61.89	61.36	64.87	65.58	61.09	58.10	57.71	56.05	55.88	58.89	61.36	60.82	59.48	59.20	62.68	56.54
Adams	62.33	60.42	58.15	62.93	63.64	64.50	57.90	57.55	60.33	61.51	62.65	63.20	58.33	56.18	51.80	59.68	51.43
Allamakee	62.39	61.07	61.29	61.67	61.69	59.52	57.42	55.14	55.91	57.66	59.70	60.00	58.13	60.11	59.94	61.48	54.99
Appanoose	63.97	64.28	64.29	65.24	68.97	66.03	63.98	61.90	61.90	59.70	59.00	61.40	60.24	61.71	60.34	62.92	54.36
Audubon	59.11	59.61	56.96	58.98	59.95	62.09	58.50	57.29	62.67	60.40	60.99	59.25	56.53	60.61	58.88	60.65	55.48
Benton	61.89	62.93	63.81	64.92	65.58	66.14	63.32	60.84	60.92	58.75	59.42	62.41	62.75	63.54	60.05	67.36	56.21
Black Hawk	65.88	66.46	65.79	67.01	69.02	66.70	64.82	63.06	64.57	63.66	63.96	66.07	67.78	68.83	69.64	75.72	64.22
Boone	68.59	68.10	68.91	70.63	72.38	67.76	63.35	60.53	63.35	61.83	61.01	62.95	64.78	65.21	64.95	69.92	57.57
Bremer	59.43	62.64	61.08	61.29	64.35	63.22	62.50	58.91	60.40	58.47	59.26	60.60	62.94	63.37	62.20	67.91	58.10
Buchanan	61.81	61.67	60.80	61.40	65.68	65.69	63.00	60.79	62.08	61.19	61.37	63.83	64.65	62.47	60.10	65.12	56.28
Buena Vista	61.18	63.77	61.22	63.97	66.63	62.90	61.41	57.36	57.69	56.14	58.94	59.98	59.58	60.31	60.13	63.48	54.09
Butler	55.66	59.54	57.98	58.63	62.59	63.41	59.69	56.78	57.35	57.08	57.88	59.63	60.86	60.28	59.26	65.09	53.93
Calhoun	59.00	59.63	60.19	60.85	62.70	61.09	57.55	57.88	57.46	57.02	57.16	59.63	58.09	57.85	57.99	61.62	53.42
Carroll	56.25	58.13	59.95	61.08	63.29	61.43	58.66	55.96	56.94	55.13	55.22	55.97	54.80	57.25	57.83	60.20	53.59
Cass	58.93	61.86	59.41	62.34	65.84	64.95	61.88	59.74	61.23	58.72	58.28	61.58	59.63	59.25	60.96	62.15	53.35
Cedar	65.02	65.69	63.88	67.72	67.88	65.73	63.91	62.47	63.65	63.50	62.81	64.07	65.09	64.49	65.59	69.12	62.27
Cerro Gordo	63.52	63.85	63.06	65.14	67.63	66.86	63.79	61.65	61.30	60.50	59.62	60.37	61.33	62.88	61.94	65.79	56.44
Cherokee	61.42	64.64	63.43	63.02	66.54	63.60	60.56	58.09	59.22	59.75	57.56	56.58	56.89	58.22	54.22	55.74	47.55
Chickasaw	57.36	57.64	58.13	60.40	59.92	61.91	59.01	55.85	58.35	58.71	59.07	59.90	59.69	60.35	57.82	62.38	50.19
Clarke	65.54	66.88	66.16	64.63	66.14	65.46	63.54	60.07	62.06	60.84	62.03	63.77	61.99	64.05	61.76	67.02	60.53
Clay	62.50	61.01	58.38	58.47	62.23	60.61	59.10	56.57	55.99	55.42	57.98	59.63	58.00	60.06	59.47	63.35	55.14
Clayton	60.16	60.83	60.67	59.12	63.71	61.28	58.55	56.25	58.05	57.66	58.90	60.64	59.95	63.35	62.98	65.06	61.08
Clinton	67.88	68.10	67.94	69.52	73.49	71.59	68.33	66.15	66.49	65.99	65.39	67.15	66.81	65.90	63.05	67.99	61.00
Crawford	62.67	63.63	63.30	64.32	67.87	64.66	61.12	58.89	59.99	58.54	59.75	59.77	57.93	59.64	59.89	60.83	54.95
Dallas	68.52	70.98	68.53	70.04	71.46	68.12	65.76	63.73	62.79	61.77	60.08	61.30	62.92	62.32	60.06	62.61	54.92
Davis	62.68	64.22	66.07	66.44	67.00	65.38	63.59	59.46	59.92	59.83	61.25	59.93	60.22	59.31	58.05	63.56	54.23
Decatur	59.41	59.38	60.86	61.55	62.79	60.50	58.11	55.59	54.97	54.84	55.82	57.60	57.28	58.25	54.96	58.19	51.70
Delaware	57.29	59.33	55.56	56.53	61.24	60.93	59.16	57.72	58.42	58.47	60.28	60.25	61.63	62.02	59.80	65.22	56.02
Des Moines	67.34	68.63	67.17	68.98	70.88	69.13	66.28	63.30	62.72	62.27	61.44	63.75	64.95	63.77	64.07	67.48	60.00
Dickinson	63.13	65.11	63.93	63.51	64.47	62.57	58.87	57.32	59.12	55.15	55.75	57.71	55.88	57.23	57.97	60.13	52.75
Dubuque	62.70	63.15	62.86	64.75	67.48	66.29	63.06	60.90	61.23	61.03	60.79	62.66	64.82	65.78	63.27	68.43	60.16
Emmet	57.08	61.80	60.80	61.55	64.73	65.67	63.30	58.07	56.71	55.97	56.53	58.88	58.01	55.21	55.75	60.71	51.39
Fayette	61.13	59.41	58.26	59.38	60.83	59.70	57.06	55.18	56.84	57.99	58.31	60.07	62.58	58.93	59.39	63.51	55.45

Table 7. Adjusted Average Food Stamp Benefits (in 1996 \$s) Received Per Person Per Month in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	58.37	61.20	59.92	60.75	61.04	59.74	57.85	53.96	55.74	56.74	56.08	57.04	56.32	57.00	56.76	60.48	51.58
Franklin	57.49	59.84	59.28	61.17	63.91	64.68	64.00	60.39	59.85	56.57	58.09	55.83	54.89	56.24	52.33	57.96	52.58
Fremont	59.41	62.24	59.20	58.60	60.34	60.26	57.81	53.69	56.18	56.01	54.42	58.31	57.16	57.76	56.76	56.91	52.18
Greene	60.30	61.61	59.20	61.67	64.18	62.64	59.04	57.36	57.17	53.10	53.14	57.18	56.14	57.74	58.49	60.09	51.38
Grundy	63.15	65.62	62.90	65.97	69.67	68.87	63.31	59.53	62.29	60.12	59.91	60.42	58.39	61.19	58.28	64.09	56.15
Guthrie	61.20	60.11	59.25	60.72	63.84	60.64	57.73	57.28	57.99	56.91	58.11	60.46	59.24	58.77	57.30	58.94	52.80
Hamilton	64.84	64.94	62.11	65.54	67.64	64.71	60.14	56.73	60.85	60.79	60.22	60.80	59.88	59.20	59.84	61.15	54.79
Hancock	61.42	60.60	60.61	60.30	63.26	59.11	55.89	54.52	57.30	55.28	57.80	58.38	55.52	56.35	57.67	60.26	54.10
Hardin	61.33	62.49	62.95	63.51	62.36	59.76	59.87	56.75	56.80	57.97	59.13	60.72	58.34	59.41	58.51	59.70	51.57
Harrison	58.44	59.18	58.50	59.48	63.01	61.09	58.86	56.27	57.13	55.57	55.60	57.75	55.89	56.08	55.24	57.90	53.26
Henry	64.49	65.28	63.23	65.44	66.02	62.97	62.74	59.66	62.58	59.51	58.79	59.99	61.07	61.06	60.22	67.06	56.32
Howard	56.49	56.57	58.05	58.54	61.10	58.55	55.69	55.05	57.38	57.99	59.77	59.10	59.80	62.24	61.61	58.08	52.37
Humboldt	59.62	59.49	57.40	61.07	61.85	59.58	56.14	54.23	57.06	55.57	54.54	59.27	54.32	57.79	57.92	63.72	56.36
Ida	58.89	57.78	57.05	56.70	60.25	58.29	53.48	52.31	55.79	53.69	54.43	56.20	54.64	55.59	55.72	60.17	52.55
Iowa	63.92	59.82	60.34	61.55	63.39	63.19	62.56	61.15	59.16	60.10	60.46	60.59	60.23	63.40	59.67	64.71	59.30
Jackson	63.12	62.00	62.28	63.20	65.31	65.17	61.79	59.93	60.63	60.09	60.15	61.82	61.59	62.39	59.87	63.79	53.94
Jasper	64.17	66.05	64.30	66.88	68.77	66.20	63.65	60.11	61.61	60.56	60.13	60.68	61.66	63.78	63.29	67.15	59.23
Jefferson	70.11	71.14	69.86	71.60	71.59	71.04	66.37	63.87	66.61	36.36	63.02	65.21	64.79	63.26	62.73	67.61	56.99
Johnson	73.04	73.19	71.23	72.01	73.20	69.66	65.95	64.43	65.87	65.85	63.96	66.10	66.47	67.42	67.76	73.72	61.80
Jones	64.05	66.45	63.37	64.22	66.43	63.79	61.43	60.12	61.81	60.41	60.91	63.84	62.62	63.14	62.42	65.97	58.55
Keokuk	60.65	62.38	59.07	62.51	66.68	65.23	62.27	60.40	60.03	57.85	57.59	61.21	59.94	59.10	58.85	59.70	52.83
Kossuth	57.24	58.64	58.76	59.53	61.54	62.44	58.52	54.11	56.51	55.68	56.80	58.05	55.85	56.03	55.28	61.09	52.87
Lee	64.91	64.92	65.30	67.73	69.94	69.11	66.12	63.68	65.20	64.54	63.86	66.06	65.74	66.86	64.86	69.45	60.13
Linn	69.37	69.42	68.57	70.09	71.69	70.17	67.58	65.22	66.03	65.44	65.16	67.31	68.51	68.76	68.60	74.75	64.02
Louisa	65.27	67.48	66.24	67.08	68.72	66.93	65.57	62.61	63.78	61.79	61.08	63.88	62.40	61.06	60.99	60.75	56.80
Lucas	65.01	64.03	62.70	63.53	65.77	63.46	63.27	61.43	60.17	59.89	59.81	60.36	60.79	62.44	63.94	65.49	54.08
Lyon	56.94	56.19	54.05	56.21	56.40	54.07	52.69	50.82	54.67	54.80	55.88	54.66	52.75	57.18	57.52	63.19	56.45
Madison	63.66	65.26	61.68	64.87	66.33	64.34	63.77	61.52	62.59	60.23	59.59	61.62	59.01	61.62	58.96	61.48	52.98
Mahaska	63.89	63.72	63.53	64.22	65.69	64.26	62.21	59.96	59.95	60.43	58.63	60.16	59.24	62.85	62.42	67.24	59.72
Marion	63.12	65.18	64.60	68.10	69.13	66.73	63.29	61.00	61.66	60.88	62.31	64.03	63.03	62.62	62.56	65.35	57.54
Marshall	68.91	67.02	65.71	68.10	69.84	67.78	65.99	64.23	64.43	62.29	62.74	64.56	63.87	64.63	63.90	67.57	59.87
Mills	66.96	67.73	66.95	66.45	65.94	64.03	63.13	61.82	61.98	59.22	57.53	61.22	59.04	58.67	58.30	62.08	55.54
Mitchell	56.58	57.46	57.47	60.61	64.32	59.36	56.56	54.07	55.92	57.15	58.36	57.78	58.34	59.36	56.86	58.86	50.37

Table 7. Adjusted Average Food Stamp Benefits (in 1996 \$) Received Per Person Per Month in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	59.60	59.69	59.34	61.01	62.47	61.91	58.32	55.61	56.52	54.86	56.48	58.39	55.87	58.29	58.85	61.12	53.09
Monroe	60.12	60.75	61.20	62.82	66.21	65.18	62.80	60.98	61.72	62.48	63.16	64.00	63.60	64.29	60.33	63.76	55.90
Montgomery	63.02	62.77	61.39	63.97	67.30	65.95	61.18	58.01	58.84	57.48	56.95	60.79	60.99	62.26	62.76	63.60	55.93
Muscatine	68.61	69.26	67.91	67.33	68.64	67.65	65.84	63.11	63.87	63.36	64.52	66.78	65.97	65.86	66.54	68.22	62.44
O'Brien	55.72	57.00	52.78	55.36	56.97	57.47	55.58	54.66	55.10	54.69	54.18	55.47	52.65	54.95	58.94	62.43	56.02
Osceola	55.45	58.64	59.64	58.89	63.34	61.08	58.01	53.92	55.20	55.83	58.69	64.28	61.19	59.30	57.23	58.44	53.72
Page	58.32	59.73	58.07	60.66	61.64	59.13	57.55	56.55	56.84	55.22	56.69	57.71	58.93	58.07	56.71	59.92	53.42
Palo Alto	53.17	57.30	56.61	61.60	62.76	59.34	54.68	53.26	55.53	56.28	56.94	58.41	56.17	58.16	57.29	61.26	52.49
Plymouth	56.98	57.08	56.10	57.91	59.73	57.46	55.06	54.16	56.23	57.94	58.58	57.20	57.14	59.70	60.33	64.58	58.78
Pocahontas	56.57	57.06	56.69	58.62	63.80	61.12	58.37	57.67	56.77	56.66	58.49	56.37	54.71	53.85	57.16	59.81	54.32
Polk	72.40	73.70	73.27	77.91	75.05	73.14	69.60	66.52	66.51	64.47	64.24	65.91	66.27	67.75	68.12	72.89	63.75
Pottawattamie	69.03	69.77	68.76	69.77	71.67	70.73	67.87	64.94	65.43	62.35	61.92	63.71	62.83	63.49	62.35	65.78	58.36
Poweshiek	66.59	66.36	64.88	66.90	68.35	65.70	61.59	60.27	61.04	58.68	57.45	60.55	62.91	62.34	63.08	66.93	58.52
Ringgold	58.08	58.42	56.45	59.78	62.17	61.75	56.80	56.11	57.32	55.06	55.44	59.13	58.82	58.46	58.46	58.50	50.84
Sac	55.71	58.48	57.90	57.80	62.15	60.51	56.23	52.79	51.83	52.47	55.66	55.74	55.87	57.40	54.08	57.56	49.05
Scott	70.71	72.14	71.40	73.21	74.64	72.10	70.26	68.15	68.57	67.46	67.07	68.56	68.97	69.81	70.59	74.67	66.36
Shelby	61.55	61.06	61.81	60.00	60.86	62.22	58.97	56.47	58.79	56.67	57.17	58.38	58.87	61.76	60.01	65.26	55.99
Sioux	58.33	55.68	53.73	54.41	56.37	54.87	50.81	49.82	51.83	50.03	53.57	52.39	51.70	54.20	55.20	58.51	53.01
Story	74.41	76.05	75.47	74.23	73.58	69.55	66.70	65.68	65.26	62.16	61.02	63.90	62.88	62.91	62.76	68.06	61.29
Tama	61.15	62.64	60.93	62.78	66.29	65.11	63.15	61.35	61.71	58.91	61.99	59.67	59.42	59.83	59.28	62.18	54.80
Taylor	56.56	56.28	59.14	60.42	63.63	58.60	54.04	51.13	53.79	53.79	53.63	59.53	56.79	54.66	53.84	52.87	48.92
Union	62.67	64.76	62.52	62.40	65.38	63.66	60.92	57.96	57.81	56.84	58.30	61.06	61.63	61.41	60.90	62.32	54.83
Van Buren	60.59	61.58	62.42	63.06	65.25	64.17	60.99	58.37	58.94	57.26	58.34	62.18	60.75	61.87	62.90	62.73	56.44
Wapello	64.69	63.60	64.17	65.64	67.73	66.06	64.30	63.38	63.08	62.12	61.30	62.97	62.85	61.75	60.48	63.13	54.02
Warren	65.62	67.92	67.10	69.07	69.81	67.16	66.06	63.24	63.97	61.20	61.02	63.22	62.38	62.38	62.18	65.63	57.15
Washington	64.52	62.87	62.20	63.46	67.01	64.36	61.93	61.27	62.97	61.11	60.71	62.44	62.98	57.28	58.39	65.27	56.75
Wayne	59.45	58.26	56.90	58.70	60.95	59.26	57.21	55.87	55.92	53.95	57.81	61.83	57.35	59.86	58.61	60.33	53.52
Webster	64.42	65.22	64.89	66.58	68.53	66.14	63.44	60.91	61.60	59.93	59.72	60.91	61.46	60.87	60.61	63.74	54.34
Winnebago	59.13	59.35	60.79	62.91	63.31	60.92	58.86	56.94	57.43	53.19	55.56	56.17	54.73	58.14	54.40	60.22	54.68
Winneshiek	55.27	56.77	57.35	59.97	61.82	60.46	58.49	56.73	58.84	58.49	57.79	58.52	57.68	59.82	59.84	64.11	56.33
Woodbury	65.12	66.21	64.18	65.71	67.26	65.28	62.61	59.89	60.82	59.67	59.26	61.73	61.44	62.61	61.92	65.40	57.87
Worth	60.44	61.94	63.23	64.33	65.88	63.20	61.02	57.92	58.00	60.32	58.95	60.53	57.89	60.68	61.40	65.78	55.57
Wright	61.20	61.70	62.42	64.40	64.20	65.55	64.30	62.67	60.88	58.65	64.16	66.28	63.33	63.89	61.97	64.48	58.25
State of Iowa	66.17	66.94	66.14	67.99	69.16	67.29	64.59	62.19	62.79	61.53	61.52	63.31	63.49	64.18	63.77	67.89	59.25

Table 8. Percentage Changes in Population, Persons Receiving Food Stamps, Total Annual Food Stamp Benefits, and Adjusted Average Food Stamp Benefits Received Per Person Per Month in Iowa Counties, 1986-1996.

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1996 \$s) Total Annual Food Stamp Benefits			Adj. Average Food Stamp Benefits Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Adair	-0.6	-2.1	-5.4	6.6	4.5	-24.7	3.6	2.9	-23.2	-2.8	-1.5	2.2
Adams	-0.9	-5.0	-13.5	0.0	-8.4	-30.7	3.4	-11.1	-30.9	3.2	-3.4	-0.5
Allamakee	-0.4	1.1	-2.7	-6.1	-5.7	-40.5	-4.0	-1.1	-37.8	2.2	4.8	4.5
Appanoose	-0.1	-0.9	-3.8	1.4	3.8	-18.2	0.9	0.6	-11.4	-0.5	-3.1	8.4
Audubon	-0.1	-4.7	-12.2	-2.4	-15.3	-40.9	-3.4	-19.3	-42.7	-0.8	-4.8	-3.1
Benton	1.5	8.6	9.7	-7.6	-18.0	-26.1	-9.2	-23.3	-23.1	-1.7	-6.4	4.1
Black Hawk	-0.1	-1.4	-2.7	-1.9	-3.4	-27.7	-2.8	-4.6	-25.5	-0.9	-1.2	3.0
Boone	1.1	2.0	2.2	-5.9	-6.4	-15.2	-5.3	-5.2	-4.6	0.7	1.2	12.4
Bremer	0.2	1.5	0.2	-2.1	-11.0	-50.9	-7.0	-16.2	-50.7	-5.1	-6.0	0.3
Buchanan	-0.2	1.2	0.4	-3.4	-23.8	-50.5	-3.2	-28.3	-50.1	0.2	-5.9	0.7
Buena Vista	-0.6	-0.5	-2.7	-2.2	-5.1	-11.7	-6.2	-7.6	-8.3	-4.1	-2.7	3.8
Butler	0.1	-0.3	-3.3	-8.2	-12.0	-46.5	-14.2	-22.6	-48.5	-6.5	-12.2	-3.8
Calhoun	-0.4	-0.3	-4.0	0.2	-3.7	-30.3	-0.7	-6.8	-28.0	-1.0	-3.4	3.2
Carroll	-0.3	0.6	-2.5	-4.8	-2.3	-25.1	-7.8	-10.7	-23.8	-3.2	-8.4	1.9
Cass	-0.2	-0.7	-5.7	-12.2	-4.6	-14.2	-16.3	-13.5	-13.3	-4.7	-9.3	1.1
Cedar	0.7	1.8	-0.1	2.2	1.8	-14.6	1.3	0.8	-11.7	-1.0	-1.1	3.5
Cerro Gordo	-0.2	-1.1	-3.3	-1.0	1.3	-3.1	-1.5	-3.8	3.3	-0.5	-5.0	6.5
Cherokee	-1.1	-4.2	-9.2	0.2	-8.5	-33.7	-4.8	-11.8	-29.4	-5.0	-3.4	6.7
Chickasaw	0.3	1.9	-4.8	-2.9	-11.5	-54.7	-3.4	-18.1	-56.1	-0.5	-7.4	-2.9
Clarke	1.1	-0.2	-0.4	-4.5	5.7	-6.5	-6.5	5.8	-1.1	-2.0	0.1	5.7
Clay	0.1	-0.2	-1.0	-6.3	-26.2	-42.8	-3.9	-23.9	-38.3	2.5	3.1	7.8
Clayton	0.6	0.1	-4.1	-1.0	-23.4	-58.5	-2.0	-24.7	-57.6	-1.1	-1.8	2.1
Clinton	-1.0	-1.0	-3.8	-2.0	0.3	-14.8	-2.3	-4.9	-11.6	-0.3	-5.2	3.8
Crawford	-0.1	-1.0	-7.0	-1.0	13.5	11.6	-2.7	10.0	16.9	-1.5	-3.1	4.9
Dallas	2.8	11.7	17.4	-6.3	-8.1	-25.0	-9.6	-7.6	-14.5	-3.5	0.6	14.0
Davis	-0.8	1.6	-2.8	-14.2	-25.5	-53.2	-16.2	-28.6	-52.1	-2.4	-4.1	2.3
Decatur	-0.7	1.1	-6.3	-3.9	7.3	0.7	-4.0	5.2	7.3	0.1	-1.8	6.4
Delaware	0.3	1.9	2.5	-7.9	-11.2	-55.8	-11.1	-16.5	-58.0	-3.4	-6.0	-4.9
Des Moines	-0.2	-0.5	-1.5	-2.1	2.8	0.9	-3.9	0.1	10.6	-1.9	-2.6	9.6
Dickinson	0.7	3.5	6.1	-6.8	-6.5	-11.4	-9.7	-5.8	0.5	-3.0	0.9	13.2
Dubuque	0.1	1.6	0.5	5.4	-4.9	-38.7	4.7	-10.0	-36.8	-0.7	-5.4	3.2
Emmet	-0.7	-4.3	-6.6	-13.0	-29.4	-43.4	-19.6	-38.7	-42.9	-7.6	-13.1	1.0
Fayette	0.3	0.2	-2.4	-1.3	-12.1	-35.6	1.6	-9.9	-32.5	2.9	2.4	4.8
Floyd	-0.4	-1.9	-7.5	-10.0	-9.1	-27.0	-14.2	-11.2	-24.1	-4.6	-2.3	4.1
Franklin	-0.1	-2.6	-9.0	-10.0	-8.0	-18.3	-13.5	-18.2	-19.2	-3.9	-11.1	-1.0
Fremont	-1.6	-3.0	-8.7	1.5	19.6	9.9	-3.2	17.8	19.9	-4.5	-1.4	9.2
Greene	1.0	0.6	-6.5	-1.9	4.3	-7.7	-4.0	0.4	4.6	-2.1	-3.7	13.5
Grundy	0.7	3.2	-3.6	1.2	-20.7	-28.6	-2.9	-27.5	-25.0	-3.8	-8.3	5.4
Guthrie	0.5	2.6	1.3	-6.9	-8.5	-30.4	-5.2	-7.6	-26.8	1.8	0.9	5.3
Hamilton	-0.9	0.4	-4.4	-3.0	-20.7	-22.1	-3.2	-20.5	-16.1	-0.1	0.2	7.7
Hancock	0.1	-2.7	-7.2	0.2	-23.2	-33.0	1.4	-20.4	-29.0	1.4	3.9	6.3
Hardin	-0.4	-1.4	-7.9	-11.9	-4.0	-6.6	-13.5	-1.4	-3.0	-1.9	2.6	3.7
Harrison	0.8	3.8	-0.7	-1.2	-7.6	-7.2	-2.6	-11.7	-2.5	-1.3	-4.3	5.1
Henry	-0.1	2.0	4.7	-1.1	-1.6	15.5	-2.3	0.8	26.7	-1.2	2.4	9.7
Howard	0.1	-1.0	-5.1	-9.4	-13.8	-52.9	-9.6	-16.8	-55.5	-0.1	-3.5	-5.5
Humboldt	0.3	-2.3	-7.5	-12.5	-16.5	-33.9	-12.3	-16.6	-27.7	0.2	0.1	9.3
Ida	-1.3	-2.1	-5.7	-5.1	-2.6	-15.3	-3.2	-1.9	-8.3	1.9	1.0	8.2
Iowa	1.2	4.3	3.1	-1.7	7.4	-14.1	5.0	8.9	-9.2	6.9	1.2	5.7
Jackson	-0.0	0.8	-5.0	-9.1	-16.5	-44.8	-7.5	-19.0	-42.0	1.8	-3.1	4.9
Jasper	0.8	2.1	2.4	-2.3	-12.6	-32.7	-5.1	-15.3	-28.2	-2.8	-3.1	6.7

Table 8. Percentage Changes in Population, Persons Receiving Food Stamps, Total Annual Food Stamp Benefits, and Adjusted Average Food Stamp Benefits Received Per Person Per Month in Iowa Counties, 1986-1996 (cont.).

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1996 \$s) Total Annual Food Stamp Benefits			Adj. Average Food Stamp Benefits Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Jefferson	0.6	3.2	3.9	-2.4	-3.8	3.0	-3.9	-5.1	14.7	-1.4	-1.3	11.2
Johnson	0.2	5.0	13.7	5.9	26.0	50.4	5.8	32.2	71.9	-0.2	4.9	14.2
Jones	0.9	5.2	6.4	-6.7	-1.0	-31.6	-10.1	-0.6	-28.1	-3.6	0.4	5.2
Keokuk	-0.4	-0.3	-4.4	7.3	-6.9	-15.6	4.4	-13.4	-11.1	-2.8	-7.0	5.3
Kossuth	-0.7	-1.5	-8.5	-14.7	-18.9	-32.4	-16.7	-25.5	-31.8	-2.4	-8.3	0.8
Lee	-0.6	-0.1	-3.6	2.1	-5.2	-14.7	2.0	-10.9	-13.3	-0.0	-6.1	1.6
Linn	0.5	5.2	9.3	-4.3	-5.4	-17.2	-4.4	-6.4	-11.9	-0.1	-1.1	6.5
Louisa	1.1	3.3	3.4	-2.3	.4	-10.3	-5.5	-2.2	-4.1	-3.3	-2.5	6.9
Lucas	0.0	-0.7	-5.2	-3.7	8.9	-12.4	-2.2	11.6	-4.9	1.5	2.4	8.7
Lyon	0.6	0.1	-0.9	-4.2	2.5	-35.1	-2.8	8.2	-33.8	1.3	5.3	1.9
Madison	1.3	8.7	11.7	-9.0	-14.3	-28.0	-11.3	-15.2	-23.2	-2.5	-1.1	6.8
Mahaska	-0.4	1.3	0.5	4.5	-8.5	-21.6	4.8	-9.0	-14.5	0.3	-0.6	9.0
Marion	0.9	4.0	6.5	-8.3	-1.9	-22.1	-11.1	-7.2	-21.0	-3.2	-5.4	1.3
Marshall	0.2	1.9	-2.0	4.3	8.0	4.9	7.3	9.8	15.3	2.8	1.7	9.8
Mills	1.7	5.9	6.2	-5.5	3.6	13.2	-6.6	8.4	31.9	-1.1	4.6	16.4
Mitchell	0.3	1.9	-1.2	-2.3	-29.5	-47.9	-3.8	-32.9	-49.6	-1.5	-4.7	-3.0
Monona	0.1	0.2	-5.2	-9.5	-24.7	-37.5	-9.6	-27.5	-34.1	-0.2	-3.7	5.5
Monroe	-1.0	-0.6	-3.0	-7.4	-4.9	-31.1	-8.3	-12.5	-34.4	-1.0	-7.8	-4.8
Montgomery	-0.2	-0.6	-3.6	-5.1	20.0	22.0	-4.6	14.6	35.1	0.4	-4.4	10.6
Muscatine	-0.5	1.5	2.8	1.2	1.4	-3.9	0.3	2.8	2.1	-0.9	1.4	6.3
O'Brien	-1.6	-2.7	-5.6	-7.5	12.1	-36.0	-9.6	8.8	-34.1	-2.2	-3.0	2.8
Osceola	0.5	-2.4	-5.9	-0.4	4.2	-46.2	-5.7	-5.7	-49.3	-5.4	-9.2	-5.5
Page	0.3	-0.4	-3.0	3.3	-10.7	-15.3	0.9	-11.9	-12.8	-2.4	-1.4	2.9
Palo Alto	-0.2	-4.2	-10.9	-14.1	-32.1	-49.2	-20.1	-39.1	-52.4	-7.2	-10.4	-6.6
Plymouth	1.1	4.4	3.7	-3.5	-6.7	-47.9	-3.7	-7.4	-49.3	-0.2	-0.8	-2.7
Pocahontas	-1.3	-4.2	-13.2	-11.4	-15.9	-27.1	-12.2	-22.2	-29.5	-0.9	-7.4	-3.3
Polk	0.9	6.5	14.3	-4.5	-2.1	-0.1	-6.1	-3.1	12.6	-1.8	-1.0	12.7
Pottawattamie	1.3	2.5	0.9	-6.5	-7.6	14.5	-7.5	-9.8	27.7	-1.1	-2.4	11.5
Poweshiek	0.2	0.1	1.5	-2.4	-3.4	-18.2	-2.0	-2.0	-5.1	0.4	1.4	15.9
Ringgold	0.5	-0.9	-4.0	4.7	1.3	-13.1	4.3	-4.8	-8.9	-0.6	-5.9	4.8
Sac	-0.4	-1.5	-6.0	-6.0	-1.2	-16.6	-10.6	-8.9	-16.6	-4.7	-7.9	0.1
Scott	0.5	2.7	3.1	-4.4	1.1	1.5	-6.3	-0.8	7.0	-2.0	-1.9	5.4
Shelby	0.1	-1.6	-5.3	-11.4	-0.7	-10.8	-10.6	-1.6	-3.9	0.8	-1.1	7.7
Sioux	-0.2	3.6	4.3	-4.9	-1.4	-41.7	-0.4	4.9	-36.6	4.8	6.3	8.9
Story	0.4	0.8	0.8	-6.4	9.4	12.8	-8.4	17.0	37.6	-2.2	7.0	21.9
Tama	-0.6	1.7	-3.0	-3.4	-25.1	-37.5	-5.8	-29.7	-38.3	-2.4	-6.1	-1.4
Taylor	0.4	1.6	-5.3	5.3	5.8	-21.2	5.7	2.3	-16.8	0.5	-3.5	5.5
Union	1.3	-0.4	-2.5	-3.2	-4.5	-12.1	-6.3	-6.1	-5.6	-3.2	-1.5	7.5
Van Buren	0.2	0.9	-2.3	-3.4	-20.2	-36.6	-4.8	-24.6	-34.1	-1.6	-5.6	3.9
Wapello	0.1	0.1	-3.7	0.6	1.3	-18.6	2.3	-0.8	-14.1	1.7	-2.1	5.5
Warren	1.2	7.5	12.9	-14.9	-22.6	-24.8	-17.7	-24.4	-19.1	-3.4	-2.3	7.5
Washington	0.7	4.0	5.5	4.4	0.8	-5.3	7.1	1.1	0.5	2.6	0.2	6.3
Wayne	-0.0	-2.7	-7.0	-5.6	-3.7	-25.9	-3.8	-3.3	-23.8	2.0	0.3	2.8
Webster	-0.8	-3.0	-6.4	-3.8	-7.8	-15.4	-4.9	-10.2	-8.8	-1.2	-2.6	7.9
Winnebago	0.4	0.1	-2.7	-0.8	-6.2	-3.6	-1.1	-8.9	3.0	-0.4	-2.9	6.4
Winneshiek	-0.0	-0.3	-0.8	-3.6	-13.0	-48.9	-6.1	-20.4	-51.2	-2.7	-8.6	-4.4
Woodbury	0.3	3.3	5.2	-3.1	-23.9	-28.4	-4.7	-24.1	-21.4	-1.6	-0.2	9.9
Worth	0.2	-0.2	-7.2	-12.6	-34.5	-48.2	-14.4	-37.2	-46.9	-2.4	-4.4	2.5
Wright	-0.4	1.2	-3.4	-6.6	-9.0	-17.1	-7.3	-15.0	-20.7	-0.8	-6.6	-4.6
State of Iowa	0.3	2.2	2.1	-3.3	-4.9	-17.0	-4.4	-6.4	-10.7	-1.2	-1.7	7.6

### **Total Annual Benefits Received**

In 1996, Iowa distributed more than \$138 million in food stamp benefits (Table 4, Figure 3). This was \$2.3 million less than the total in 1995. Total cost of the program grew substantially from 1989 to 1993 but declined from that year to the present.

Benefits were greater in Polk (\$20.7 million) than any other county, followed by Scott (\$12.8 million), Black Hawk (\$9.2 million), and Linn (\$8.1 million). In contrast, Adams, Audubon, Grundy, Howard, Ida, Lyon, Mitchell, Osceola, Palo Alto, and Worth each reported less than \$300,000 in food stamp benefits.

Comparing 1996 with 1986 shows that state benefits increased by more than \$29 million; 68 counties had higher benefits in the more recent year. Polk, Pottawattamie, and Scott experienced the largest increases. Of the 30 counties with lower benefits in 1996 than 1986, Buchanan, Delaware and Dubuque were the only ones in which the decline exceeded \$300,000.

Iowa's total food stamp benefits increased 26.7 percent between 1986 and 1996. Only Johnson experienced a gain greater than 100 percent during this period. Two others (Montgomery, Story) increased at least 90 percent, or three times the state's rate.

When inflation is taken into account, total food stamp benefits decreased by more than \$16.7 million from 1986 to 1996 in Iowa (Table 5). Seventy-nine counties followed the statewide trend. That's in direct contrast to changes noted before the adjustment for inflation, when 68 had higher benefits in 1996 than in 1986. This indicates the importance of examining the influence of inflation on benefits received.

### **Average Monthly Benefits Per Person**

The average amount provided in monthly benefits can be calculated by dividing the total benefits received by the number of recipients and dividing the result by 12. In 1996, each person in the food stamp program averaged a monthly benefit of \$66.17, which was \$1.12 higher than the average benefit in 1995 (Table 6, Figure 4).

Iowa's counties varied significantly in the average monthly benefit received (Figure 5). The average of \$53.17 in Palo Alto was lowest in 1996; it was the only county with an average less than \$55.00. Benefits greater than \$70.00 occurred in Jefferson, Johnson, Polk, Scott, and Story, with Story's average of \$74.41 the highest.

Seventy-six counties averaged more benefits per person in 1996 than one year earlier. All counties reported higher average monthly benefits in 1996 than in 1986. The monthly benefit increased 52.7 percent in Iowa over this period. Delaware, Howard, Osceola, and Palo Alto were the only counties with gains under 35 percent, while Mills and Story increased by more than 65 percent. These figures can be compared against the rate of inflation, which was 40.1 percent as measured by the change in the consumer price index from 1986 to 1996.

When adjusted for inflation, however, the changes in average monthly benefits are modest (Table 7). For example, the change was a 77 cent decline between 1995 and 1996 after inflation was incorporated in the calculations. From 1986 to 1996, the inflation-adjusted gain was \$4.65, which was far less than the \$22.83 reported before inflation was taken into account.

### **Changes Between 1986 and 1996**

Changes in total benefits are affected by population trends, participation in the program, and benefits provided per person. Annual population estimates indicate that Iowa's population grew by 2.1 percent between 1986 and 1996. Increases occurred in 32 counties (Table 8). Population change, however, did not necessarily relate to either the direction or the magnitude of participation in the food stamp program.

Of the 67 counties that declined in population, 61 had fewer people in the food stamp program in 1996 than in 1986 and six experienced increased numbers receiving food stamps (Table 8). In the 61 counties in which both population and program participation declined, the percentage changes in these factors varied widely. For example, Winneshiek's population was estimated to have decreased by 0.8 percent but food stamp participants dropped by 48.9 percent; on the other hand, Winnebago had 2.7 percent fewer people and a 3.6 percent decline in food stamp recipients.

Changes in participation in the food stamp program varied in the 32 counties that gained population between 1986 and 1996 as well. Seven had more persons in the food stamp program at the end of the period than the beginning while 25 had fewer. Obviously, factors other than population trends affect participation in the food stamp program; changes in jobs and income would need to be incorporated to better understand these variations.

Change in the number of recipients has a significant impact on change in adjusted total benefits. Changes in recipients and in benefits between 1986 and 1996 were in the same direction (both up or both down) and of similar magnitude in all but seven counties (Table 8). These seven (Cerro Gordo, Dickinson, Greene, Muscatine, Polk, Washington, Winnebago) reported decreases in recipients but increases in adjusted total annual benefits.

Figure 1. Average number of persons receiving food stamps in Iowa, 1980-1996.

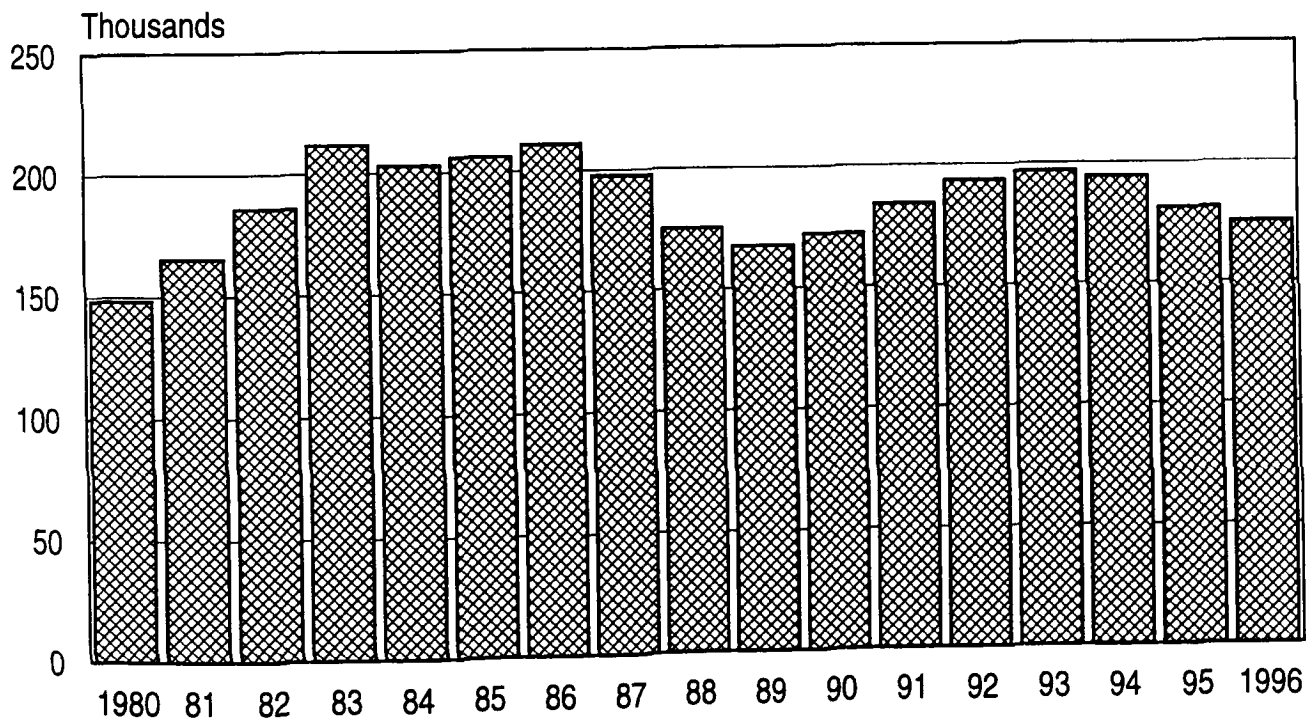


Figure 2. Percent receiving food stamps, 1996.

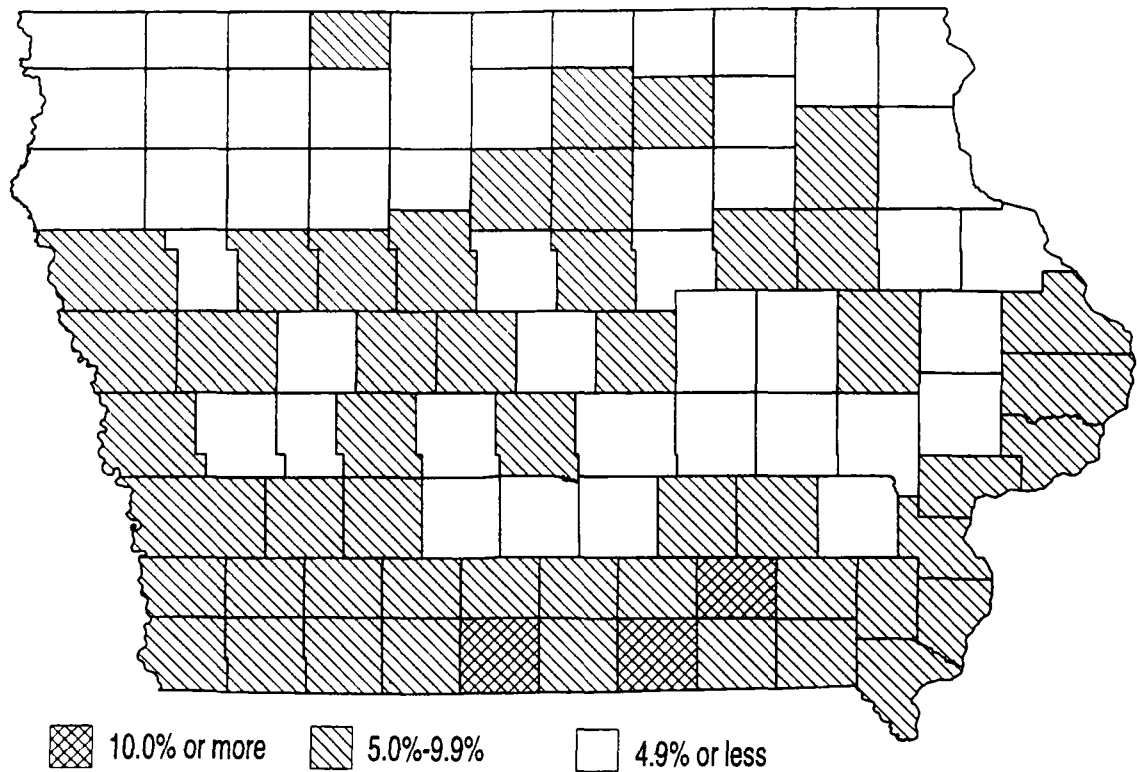


Figure 3. Total annual food stamp benefits in Iowa, 1980-1996.

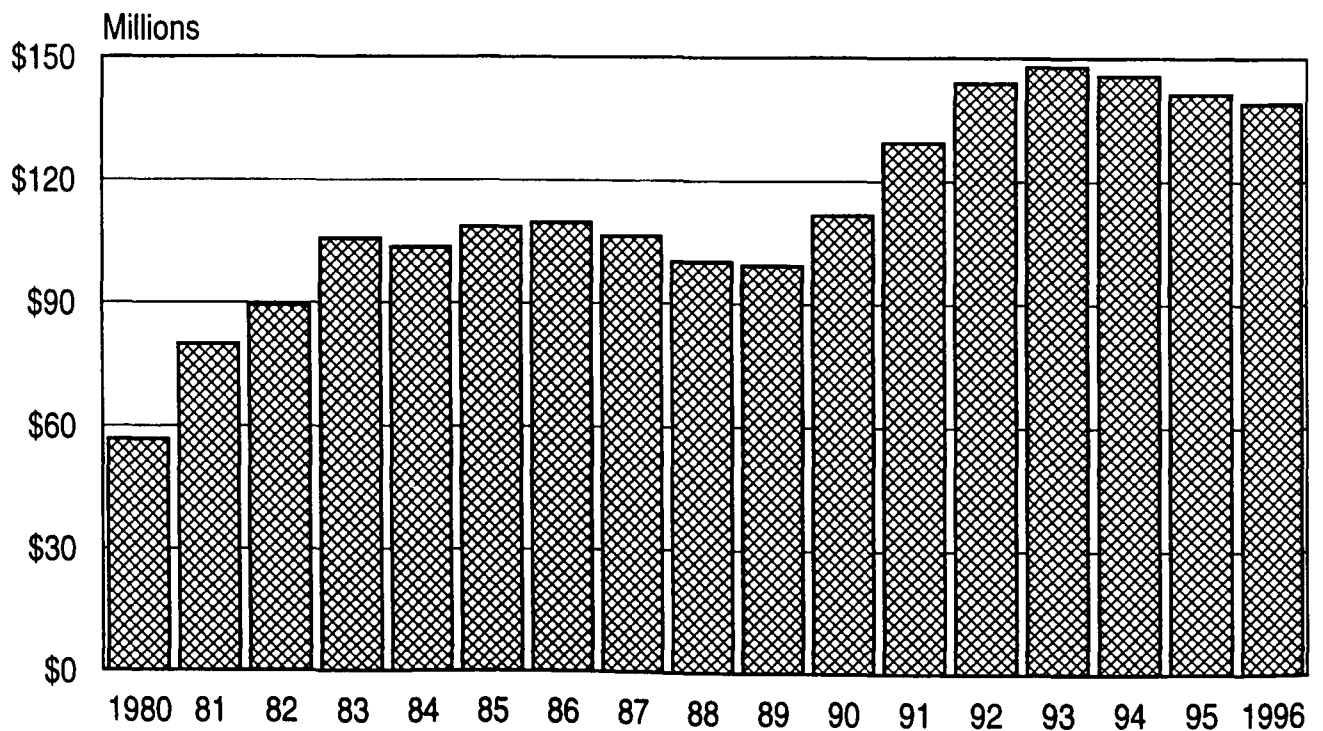




Figure 4. Average monthly food stamp benefits (in \$) per recipient in Iowa, 1980-1996.

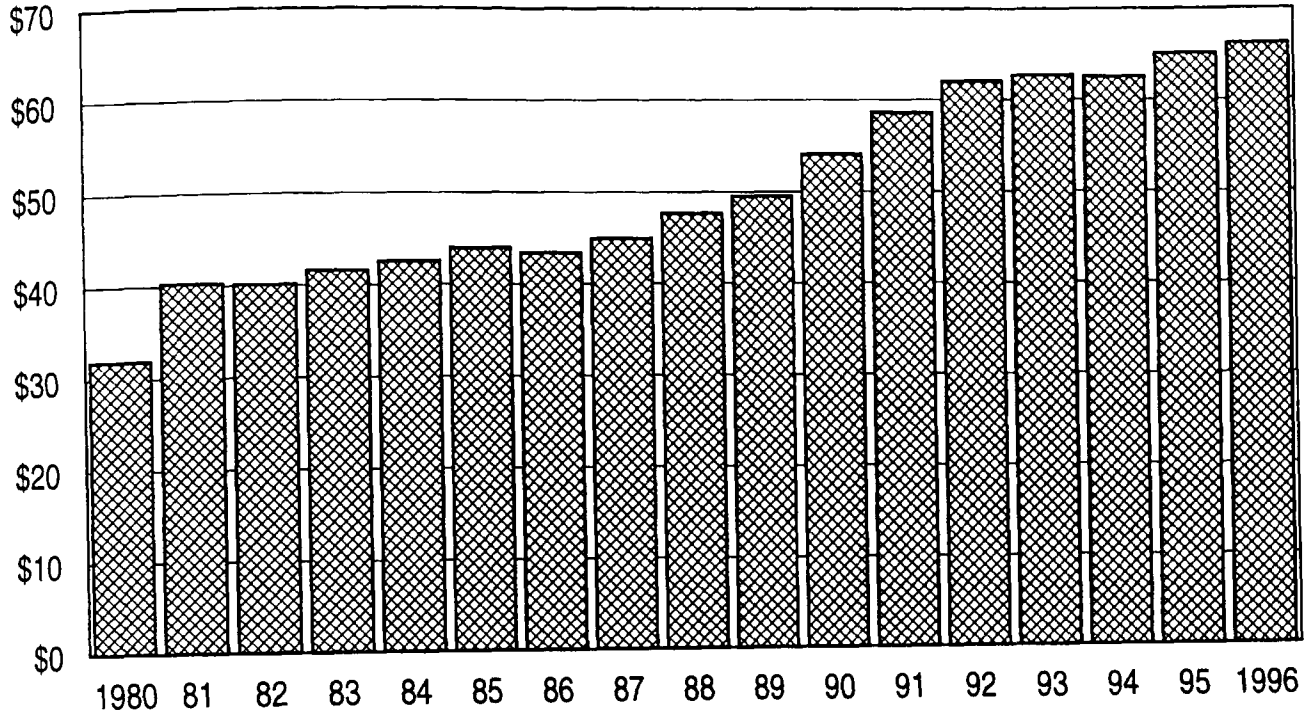
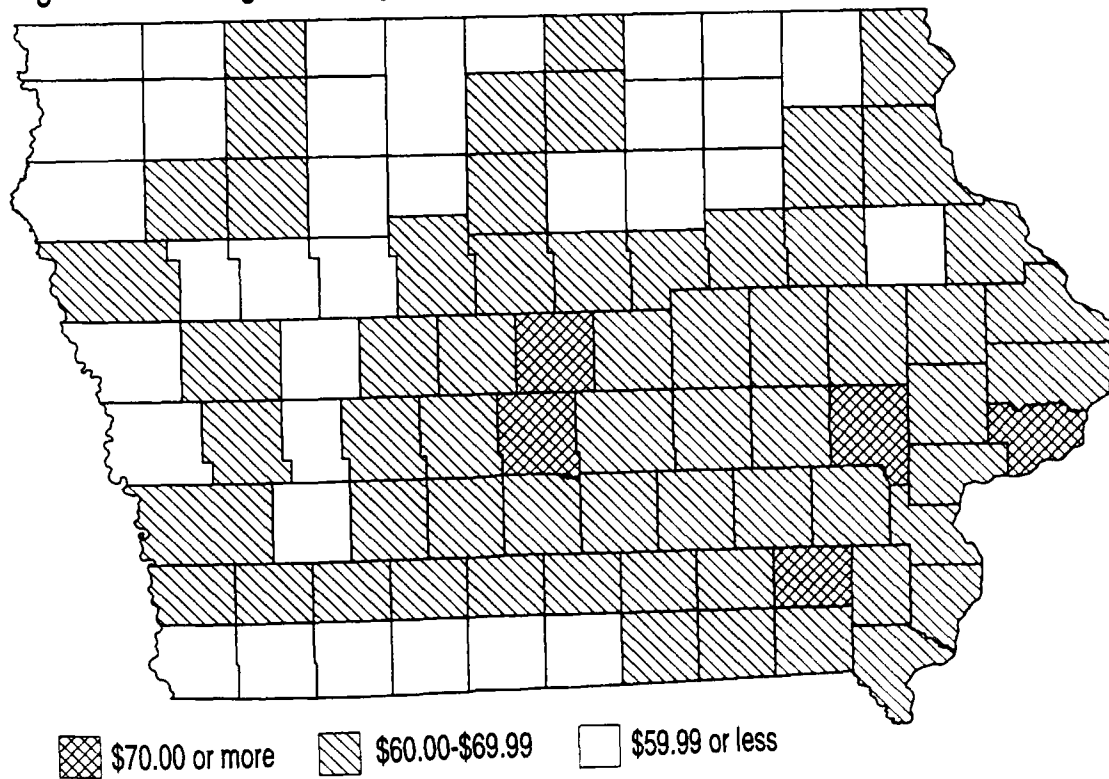


Figure 5. Average monthly food stamp benefit per recipient, 1996.





## Medical Services Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1980-1996

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Medical assistance is provided to Iowans under Title XIX of the Social Security Act. Assistance is provided in a variety of areas, including in- and outpatient hospital services, skilled and intermediate care nursing facilities, and physician, clinic, laboratory, ambulance, and home health services, among others. For the most part, this program is known as Medicaid, although it also serves some others with medical needs. The Iowa Department of Human Services administers the program and maintains information on the number of persons eligible for benefits and the amount received each month. Eligibility is determined primarily on the basis of income, although other factors enter as well. For this report, averages of those eligible for benefits and actual benefits paid were calculated for each year from 1980 through 1996; numbers from monthly reports were summed and divided by 12.

### Persons Eligible for Title XIX Assistance

In 1996, Iowa averaged 226,000 persons eligible for Title XIX medical benefits each month (Table 1). While there was year-to-year variation, there was a general upward trend throughout the 17 years reported, although a decline of more than 9,000 occurred between 1994 and 1996. The figure for 1982, the lowest of those reported, was about 148,000.

Polk averaged 28,500 persons eligible for medical assistance each month in 1996, the highest of any county. Black Hawk, Linn, and Scott were the only other counties with more than 10,000. Osceola and Worth were the only counties with fewer than 400 persons eligible for Title XIX assistance, while four others (Adams, Audubon, Grundy, Ida) were below 500.

The state averaged 43,900 more persons eligible for the Title XIX program in 1996 than in 1986. All counties but six (Buchanan, Davis, Delaware, Emmet, Jackson, Worth) followed that pattern with more persons eligible for the program at the end of the period than at the beginning. Eight (Cerro Gordo, Johnson, Linn, Marshall, Polk, Pottawattamie, Scott, Story) reported at least 1,000 more persons eligible in 1996 than in 1986. Thirty-six had fewer than 200 more eligible in 1996 than 10 years earlier.

Iowa had 24.0 percent more persons eligible for Title XIX assistance in 1996 than in 1986. Fifty-two counties had percentage increases larger than that for the state. Johnson and Lyon had gains greater than 80 percent; Buchanan, Davis, Delaware, Emmet, Jackson, and Worth had decreases.

### Percentage of the Population Eligible for Title XIX Assistance

In 1996, an average of 7.9 percent of Iowa's population was eligible for the program (Table 2). The percentages were somewhat higher in recent years than in the 1980s. For the counties in 1996, the percentage of the population that was eligible for medical assistance ranged from less than 5 percent in 8 counties to 10 percent or more in 23 others. Residents eligible for the program accounted for less than 4 percent of the total population in Grundy and Plymouth; the percentage exceeded 15 percent in Appanoose.

Table 1. Average Monthly Number Eligible for Title XIX Benefits in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	621	595	603	561	509	477	445	375	368	423	472	437	405	391	352	392	396
Adams	452	473	487	452	443	420	362	329	336	376	341	301	246	214	176	207	216
Allamakee	978	979	982	975	933	782	716	685	671	697	749	738	706	681	703	796	850
Appanoose	2081	2057	2061	2010	1950	1847	1782	1767	1752	1762	1829	1790	1793	1695	1504	1505	1537
Audubon	431	454	479	446	461	437	372	348	331	331	351	342	277	284	298	348	358
Benton	1404	1440	1527	1477	1474	1375	1315	1143	1119	1157	1086	1118	1107	1013	918	943	911
Black Hawk	13986	13931	14130	13593	13214	12960	12748	12719	12405	13283	13413	12666	12058	10340	9404	9855	9894
Boone	2038	2113	2217	2217	2112	1970	1850	1881	1837	1865	1902	1895	1857	1809	1739	1831	1881
Bremer	1171	1210	1326	1225	1066	1039	925	826	862	972	1020	975	953	824	737	792	713
Buchanan	1636	1622	1753	1656	1651	1619	1547	1547	1593	1765	1805	1684	1485	1334	1083	1113	1126
Buena Vista	1368	1291	1242	1205	1151	1052	979	907	909	938	950	874	781	772	762	836	840
Butler	1041	1145	1200	1084	1090	1037	971	894	918	976	994	936	853	775	653	739	779
Calhoun	859	836	839	800	814	749	703	665	639	718	696	621	590	573	546	614	638
Carroll	1346	1352	1379	1330	1241	1144	1119	1053	902	943	889	820	817	784	767	824	814
Cass	1327	1388	1438	1331	1218	1092	964	880	838	887	920	889	812	752	761	901	849
Cedar	997	1006	1076	1014	961	907	897	839	798	845	778	707	636	665	663	697	766
Cerro Gordo	4104	4088	4208	3989	3859	3649	3438	3184	3047	3063	2969	2697	2618	2702	2652	2903	2884
Cherokee	923	917	900	835	804	790	746	680	665	732	718	676	660	637	605	676	724
Chickasaw	849	892	974	857	754	682	649	622	607	679	651	637	594	518	420	485	505
Clarke	945	965	949	848	831	726	685	608	628	689	661	630	533	562	522	486	479
Clay	1172	1197	1298	1244	1211	1177	1091	1034	1002	1078	1110	1042	942	938	870	976	898
Clayton	1126	1168	1174	1140	1161	1124	1060	984	939	942	975	953	932	937	880	926	952
Clinton	5042	5197	5262	4987	4672	4477	4284	4009	3772	3950	4156	4035	3529	3275	2692	2666	2465
Crawford	1527	1713	1797	1558	1513	1618	1356	1059	990	1006	954	841	777	822	746	762	827
Dallas	1820	1848	1782	1667	1672	1590	1529	1481	1372	1542	1597	1564	1470	1386	1196	1251	1223
Davis	623	692	732	691	690	669	717	710	695	735	651	673	651	611	499	522	555
Decatur	1180	1189	1227	1081	1028	921	859	796	778	792	766	726	677	679	682	760	751
Delaware	1122	1109	1086	1048	1033	971	1006	1023	1069	1165	1230	1136	1033	958	822	912	915
Des Moines	4348	4318	4374	4278	4010	3926	3692	3519	3208	3298	3385	3305	3060	2948	2751	2991	2896
Dickinson	841	873	855	759	781	720	664	686	635	637	615	605	584	630	614	633	643
Dubuque	5851	5736	5913	5769	5658	5412	5049	4933	4926	5349	5560	5517	5391	5118	4305	4337	4292
Emmet	924	930	937	905	913	881	859	814	780	865	925	840	725	690	635	680	691
Fayette	2023	2019	2124	2068	1917	1812	1636	1468	1405	1498	1471	1386	1302	1255	1136	1185	1168

Table 1. Average Monthly Number Eligible for Title XIX Benefits in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	1574	1704	1746	1578	1535	1427	1372	1299	1188	1286	1342	1222	1183	1136	1050	1132	1084
Franklin	853	872	879	779	746	716	675	602	556	565	576	540	549	545	504	577	616
Fremont	849	894	945	815	739	680	627	621	599	622	604	582	511	475	428	510	538
Greene	826	825	826	739	691	659	629	560	559	583	611	589	558	530	505	572	575
Grundy	451	442	397	437	513	485	437	416	396	448	447	436	415	392	347	400	386
Guthrie	964	970	1034	970	936	828	750	713	763	841	787	749	700	659	617	660	673
Hamilton	1014	1093	1247	1155	1145	1050	919	869	855	914	862	768	800	786	741	811	829
Hancock	749	789	826	744	757	681	578	505	458	486	483	446	412	436	432	511	521
Hardin	1595	1625	1696	1496	1393	1256	1127	1035	1025	1016	986	930	890	905	944	1008	976
Harrison	1589	1556	1585	1508	1470	1342	1223	1117	1055	1056	1004	1023	1031	1013	912	987	1035
Henry	1514	1566	1589	1429	1332	1299	1172	1045	909	893	952	1011	993	948	809	876	948
Howard	694	753	802	752	699	627	600	532	487	530	573	602	580	584	509	552	577
Humboldt	714	748	778	813	721	635	607	585	570	585	583	553	460	465	452	523	503
Ida	454	454	418	444	452	402	340	339	331	351	330	296	272	282	275	295	310
Iowa	752	731	776	676	623	607	572	464	457	505	508	440	389	419	379	434	440
Jackson	1601	1684	1794	1717	1624	1568	1501	1486	1524	1611	1683	1561	1485	1365	1135	1040	1062
Jasper	2177	2241	2303	2307	2186	2003	1891	1797	1809	1987	2097	2007	1899	1912	1745	1886	1834
Jefferson	1366	1335	1396	1322	1236	1192	1141	1025	928	950	886	842	833	840	826	818	907
Johnson	4026	3846	3748	3497	3261	3011	2790	2479	2281	2254	2163	1958	1808	1762	1689	1894	1850
Jones	1154	1199	1226	1170	1070	992	1006	984	989	1016	1067	981	944	914	902	909	949
Keokuk	1113	1086	1107	1096	1023	1003	954	915	858	861	846	754	665	602	535	597	598
Kossuth	1027	1127	1200	1148	1102	962	886	748	679	729	714	654	627	653	657	753	745
Lee	4056	4016	4331	4164	3986	3771	3532	3342	3175	3344	3419	3388	3269	3117	2730	2720	2621
Linn	12058	12444	12862	11961	11670	11157	10404	9793	9678	10398	10501	10159	9845	9398	8496	8555	8296
Louisa	1045	1053	1096	1038	972	910	832	760	766	861	873	869	893	792	692	732	792
Lucas	1082	1106	1087	970	945	905	834	809	799	854	894	886	888	827	757	773	848
Lyon	692	647	586	571	535	471	445	401	372	368	377	364	355	329	331	340	309
Madison	818	879	859	795	781	742	741	729	669	696	719	705	681	670	594	600	623
Mahaska	1959	1908	2078	2058	1996	1924	1819	1674	1580	1634	1661	1541	1462	1443	1308	1413	1415
Marion	1818	1950	2007	1873	1763	1623	1546	1460	1442	1515	1594	1483	1469	1415	1227	1312	1367
Marshall	3524	3508	3575	3341	3143	2897	2659	2487	2379	2499	2394	2246	2249	2099	1708	2189	2284
Mills	1571	1649	1692	1554	1520	1444	1428	1423	1469	1521	1546	1597	1475	1426	1443	1559	1527
Mitchell	542	548	599	575	550	499	440	434	437	434	415	404	411	436	414	433	447

Table 1. Average Monthly Number Eligible for Title XIX Benefits in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	1034	1033	1078	1039	1080	1043	947	832	806	873	871	797	768	753	703	710	712
Monroe	904	953	969	917	883	840	858	842	859	835	841	747	638	635	552	556	546
Montgomery	1162	1179	1174	1068	1035	893	814	763	720	792	811	776	690	665	659	673	684
Muscatine	3882	3869	3910	3743	3674	3538	3383	3158	2981	3217	3223	3013	2709	2506	2305	2364	2419
O'Brien	962	957	899	868	876	751	697	641	680	720	664	618	621	608	571	671	653
Osceola	302	311	302	331	308	321	276	266	237	242	289	273	227	213	190	207	242
Page	1720	1707	1732	1637	1588	1546	1437	1432	1331	1354	1384	1275	1179	1160	1037	1098	1133
Palo Alto	732	776	797	788	777	735	698	645	637	683	710	713	637	641	641	710	770
Plymouth	952	1021	1117	1045	1012	916	904	881	845	837	863	760	700	699	664	771	768
Pocahontas	630	659	659	619	602	572	487	427	385	414	439	441	440	426	416	465	475
Polk	28521	29154	30040	27999	27508	25616	23690	21806	20853	21261	21433	21336	21201	21147	19995	21830	21026
Pottawattamie	8496	8821	9239	8738	8350	7844	7080	6489	6212	6240	6252	6219	6184	6316	6192	6893	6828
Poweshiek	1184	1199	1185	1106	1105	982	871	761	782	847	900	864	768	739	670	740	701
Ringgold	604	579	578	525	508	481	482	489	492	511	471	488	427	395	372	390	408
Sac	874	884	880	841	807	751	685	647	561	544	591	591	580	528	489	536	541
Scott	17162	17618	17763	16789	16264	15461	14654	13647	13209	13549	13331	12880	12228	11168	9827	9894	9843
Shelby	840	883	822	818	795	754	724	582	561	580	561	538	501	490	469	486	470
Sioux	1322	1304	1209	1086	1062	1007	916	912	827	857	832	772	683	704	719	771	801
Story	3052	3112	3017	2831	2641	2412	2228	1927	1750	1880	1792	1666	1490	1402	1301	1488	1552
Tama	1147	1242	1317	1311	1369	1209	1083	983	985	1048	1004	956	924	911	886	999	1040
Taylor	747	712	723	682	640	623	613	558	519	561	592	581	548	510	438	472	496
Union	1418	1409	1375	1368	1334	1273	1261	1249	1150	1214	1236	1163	1055	983	911	961	966
Van Buren	603	626	632	643	579	551	537	487	496	495	512	525	519	478	401	439	502
Wapello	5025	4962	4929	4635	4774	4523	4177	4021	4077	4324	4224	3824	3674	3423	2959	3086	3159
Warren	1952	2072	2136	2007	1981	1872	1745	1610	1529	1632	1657	1705	1660	1608	1409	1518	1489
Washington	1375	1304	1361	1234	1231	1196	1132	1043	1000	983	960	916	812	719	714	795	830
Wayne	793	805	815	792	748	651	670	610	598	596	623	637	636	602	562	587	604
Webster	4143	4318	4431	4402	4258	4089	3844	3585	3358	3539	3503	3282	3225	3043	2862	3092	3292
Winnebago	676	695	714	664	618	599	564	489	433	462	478	458	415	468	439	522	505
Winneshiek	1057	1051	1056	1041	985	886	801	780	765	770	789	726	675	660	624	699	697
Woodbury	9194	9389	9855	10061	10383	10063	9357	8531	8287	8651	8253	7898	7737	7498	7105	7819	7967
Worth	398	434	473	508	498	474	472	390	376	433	437	403	396	385	389	408	394
Wright	1082	1111	1206	1053	1036	939	832	757	744	802	843	787	750	726	694	831	892
State of Iowa	226320	230139	235812	223776	217215	205223	192410	180158	173879	181934	182454	175267	167547	160348	147698	157396	157324

Table 2. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	7.6	7.2	7.3	6.7	6.1	5.7	5.3	4.4	4.3	4.9	5.4	4.9	4.4	4.2	3.8	4.2	4.2
Adams	10.1	10.4	10.7	9.8	9.5	8.9	7.4	6.6	6.6	7.2	6.6	5.7	4.5	3.9	3.2	3.7	3.8
Allamakee	7.0	7.0	7.1	7.0	6.7	5.6	5.2	4.9	4.7	4.9	5.2	5.0	4.8	4.6	4.7	5.3	5.6
Appanoose	15.3	15.1	15.1	14.5	14.1	13.4	13.0	12.8	12.6	12.5	12.9	12.4	12.2	11.4	9.9	9.8	9.9
Audubon	6.3	6.6	6.9	6.4	6.5	6.0	5.1	4.7	4.4	4.3	4.5	4.2	3.3	3.4	3.6	4.1	4.2
Benton	5.7	6.0	6.4	6.3	6.5	6.1	5.9	5.1	5.0	5.2	4.9	5.0	4.9	4.4	3.9	4.0	3.9
Black Hawk	11.4	11.3	11.4	10.9	10.6	10.4	10.3	10.3	10.1	10.7	10.6	9.7	9.0	7.6	6.9	7.1	7.2
Boone	7.9	8.3	8.8	8.8	8.3	7.8	7.3	7.5	7.3	7.4	7.5	7.4	7.2	7.0	6.7	7.0	7.2
Bremer	5.0	5.2	5.7	5.3	4.6	4.5	4.1	3.6	3.8	4.3	4.4	4.1	3.9	3.4	3.0	3.2	2.9
Buchanan	7.7	7.6	8.2	7.8	7.9	7.7	7.4	7.4	7.7	8.5	8.6	7.7	6.7	5.9	4.7	4.8	4.9
Buena Vista	6.9	6.5	6.2	5.9	5.7	5.3	4.9	4.5	4.5	4.7	4.7	4.2	3.7	3.7	3.7	4.0	4.0
Butler	6.6	7.3	7.6	6.9	6.9	6.6	6.2	5.6	5.7	6.1	6.1	5.6	5.0	4.5	3.7	4.2	4.4
Calhoun	7.5	7.3	7.2	6.9	7.1	6.5	6.1	5.7	5.5	6.1	5.8	5.0	4.6	4.4	4.1	4.6	4.7
Carroll	6.3	6.3	6.4	6.2	5.8	5.3	5.2	4.9	4.2	4.3	4.0	3.7	3.6	3.5	3.4	3.6	3.5
Cass	8.9	9.3	9.5	8.8	8.1	7.3	6.4	5.8	5.5	5.8	5.8	5.4	4.8	4.5	4.5	5.3	5.0
Cedar	5.6	5.7	6.1	5.8	5.4	5.2	5.1	4.8	4.6	4.8	4.4	3.9	3.5	3.6	3.6	3.7	4.1
Cerro Gordo	8.8	8.8	9.0	8.6	8.2	7.8	7.4	6.8	6.5	6.5	6.2	5.6	5.4	5.6	5.5	6.0	6.0
Cherokee	6.8	6.7	6.5	6.0	5.8	5.6	5.3	4.8	4.7	5.0	4.8	4.4	4.2	4.0	3.8	4.2	4.5
Chickasaw	6.3	6.6	7.3	6.4	5.7	5.1	4.9	4.6	4.5	4.9	4.6	4.4	4.0	3.4	2.8	3.2	3.3
Clarke	11.4	11.8	11.6	10.2	9.9	8.8	8.3	7.3	7.5	8.3	8.0	7.5	6.3	6.6	6.0	5.6	5.6
Clay	6.7	6.8	7.3	7.0	6.8	6.7	6.2	5.9	5.8	6.2	6.2	5.7	5.0	4.9	4.5	5.0	4.6
Clayton	6.0	6.2	6.2	6.0	6.2	6.0	5.6	5.1	4.8	4.9	4.9	4.7	4.5	4.5	4.2	4.4	4.5
Clinton	10.0	10.2	10.3	9.7	9.1	8.8	8.4	7.9	7.3	7.6	7.9	7.5	6.5	5.9	4.8	4.7	4.3
Crawford	9.3	10.4	10.9	9.4	9.1	9.7	8.1	6.2	5.7	5.7	5.4	4.6	4.1	4.4	4.0	4.0	4.4
Dallas	5.4	5.6	5.5	5.3	5.4	5.2	5.1	5.1	4.7	5.4	5.5	5.3	5.0	4.7	4.1	4.3	4.1
Davis	7.4	8.1	8.7	8.2	8.3	8.0	8.6	8.6	8.3	8.6	7.5	7.7	7.3	6.8	5.5	5.7	6.1
Decatur	14.3	14.3	15.1	13.4	12.6	11.3	10.3	9.4	9.2	9.3	8.7	8.1	7.4	7.3	7.1	7.8	7.7
Delaware	6.1	6.0	5.9	5.7	5.6	5.3	5.6	5.7	5.9	6.5	6.8	6.1	5.5	5.1	4.4	4.8	4.8
Des Moines	10.2	10.1	10.2	10.0	9.4	9.2	8.7	8.3	7.5	7.7	7.8	7.5	6.9	6.6	6.1	6.5	6.3
Dickinson	5.3	5.6	5.5	4.9	5.1	4.7	4.5	4.6	4.3	4.3	4.1	4.0	3.8	4.1	4.0	4.1	4.1
Dubuque	6.6	6.5	6.7	6.6	6.5	6.2	5.8	5.7	5.6	6.1	6.3	6.2	6.0	5.7	4.7	4.6	4.6
Emmet	8.3	8.3	8.3	7.9	7.9	7.6	7.4	7.1	6.7	7.4	7.8	6.8	5.7	5.4	4.8	5.1	5.2
Fayette	9.2	9.2	9.7	9.4	8.7	8.2	7.5	6.7	6.4	6.8	6.5	5.9	5.4	5.1	4.6	4.7	4.6

Table 2. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1996 (cont.).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	9.5	10.3	10.4	9.4	9.1	8.5	8.0	7.5	6.8	7.3	7.5	6.6	6.3	6.0	5.5	5.9	5.5
Franklin	7.7	7.9	8.0	6.9	6.7	6.3	5.9	5.3	4.8	4.8	4.8	4.4	4.4	4.3	3.9	4.5	4.7
Fremont	10.7	11.1	11.6	10.0	9.0	8.3	7.6	7.5	7.1	7.2	7.0	6.6	5.7	5.2	4.7	5.5	5.7
Greene	8.2	8.2	8.2	7.3	6.8	6.6	6.3	5.5	5.4	5.5	5.6	5.3	4.9	4.5	4.3	4.8	4.7
Grundy	3.7	3.6	3.3	3.6	4.2	4.1	3.6	3.4	3.2	3.6	3.5	3.3	3.1	2.8	2.5	2.8	2.7
Guthrie	8.4	8.5	9.2	8.7	8.4	7.4	6.9	6.5	6.9	7.6	7.0	6.6	6.0	5.7	5.3	5.6	5.6
Hamilton	6.3	6.7	7.8	7.2	7.1	6.5	5.7	5.3	5.2	5.5	5.1	4.5	4.7	4.5	4.2	4.5	4.6
Hancock	6.2	6.5	6.8	6.1	6.1	5.5	4.6	3.9	3.6	3.8	3.7	3.3	3.1	3.3	3.2	3.7	3.8
Hardin	8.5	8.7	9.1	8.0	7.4	6.6	5.9	5.4	5.3	5.2	4.9	4.5	4.2	4.2	4.4	4.7	4.5
Harrison	10.4	10.3	10.6	10.2	10.0	9.1	8.3	7.5	7.0	7.0	6.5	6.6	6.6	6.4	5.7	6.1	6.3
Henry	7.6	7.9	8.0	7.3	6.8	6.7	6.1	5.5	4.8	4.7	5.0	5.4	5.4	5.1	4.3	4.7	5.0
Howard	7.1	7.7	8.2	7.6	7.1	6.4	6.1	5.4	4.8	5.2	5.6	5.7	5.3	5.4	4.7	5.0	5.2
Humboldt	6.8	7.2	7.4	7.8	6.8	5.9	5.6	5.4	5.2	5.3	5.2	4.8	3.9	3.9	3.8	4.3	4.1
Ida	5.6	5.5	5.0	5.3	5.5	4.9	4.1	4.0	4.0	4.2	3.8	3.4	3.1	3.2	3.1	3.3	3.5
Iowa	4.9	4.8	5.2	4.5	4.2	4.1	3.9	3.2	3.1	3.4	3.4	2.9	2.6	2.8	2.5	2.8	2.9
Jackson	8.0	8.4	8.9	8.5	8.1	7.9	7.5	7.4	7.4	7.7	8.0	7.2	6.8	6.2	5.1	4.7	4.7
Jasper	6.1	6.4	6.6	6.6	6.3	5.8	5.4	5.2	5.2	5.7	6.1	5.8	5.4	5.4	4.9	5.2	5.0
Jefferson	8.1	8.0	8.3	7.9	7.5	7.3	7.0	6.3	5.7	5.8	5.4	5.2	5.1	5.2	5.1	5.1	5.6
Johnson	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.6	2.5	2.5	2.4	2.2	2.1	2.0	2.0	2.3	2.3
Jones	5.6	5.9	6.1	5.9	5.4	5.1	5.2	5.1	5.2	5.3	5.5	5.0	4.7	4.6	4.5	4.5	4.7
Keokuk	9.6	9.3	9.6	9.4	8.8	8.6	8.2	7.8	7.3	7.2	7.0	6.1	5.3	4.8	4.2	4.7	4.6
Kossuth	5.7	6.2	6.6	6.3	6.0	5.3	4.8	4.0	3.6	3.8	3.6	3.2	3.0	3.1	3.1	3.5	3.4
Lee	10.4	10.3	11.1	10.7	10.2	9.7	9.1	8.6	8.1	8.4	8.5	8.3	7.9	7.4	6.5	6.4	6.1
Linn	6.7	7.0	7.3	6.8	6.7	6.5	6.2	5.8	5.8	6.3	6.4	6.2	6.0	5.7	5.1	5.1	4.9
Louisa	8.7	8.9	9.3	8.8	8.5	7.8	7.2	6.6	6.6	7.4	7.5	7.4	7.4	6.6	5.8	6.0	6.6
Lucas	12.0	12.2	12.0	10.7	10.4	9.9	9.2	8.8	8.6	9.1	9.4	9.1	8.8	8.2	7.4	7.5	8.2
Lyon	5.8	5.4	4.9	4.8	4.5	3.9	3.7	3.4	3.1	3.1	3.1	2.9	2.8	2.6	2.6	2.7	2.4
Madison	6.0	6.5	6.6	6.2	6.1	5.9	5.9	5.9	5.4	5.7	5.9	5.8	5.6	5.4	4.8	4.8	4.9
Mahaska	9.0	8.7	9.5	9.5	9.3	9.0	8.4	7.8	7.3	7.6	7.7	7.1	6.6	6.6	5.9	6.3	6.2
Marion	5.8	6.3	6.5	6.1	5.8	5.4	5.2	4.9	4.8	5.1	5.4	5.0	5.0	4.8	4.1	4.4	4.6
Marshall	9.1	9.0	9.3	8.8	8.3	7.6	6.9	6.5	6.2	6.4	6.0	5.6	5.5	5.1	4.1	5.2	5.5
Mills	11.2	11.9	12.5	11.6	11.4	10.9	10.8	10.7	11.0	11.5	11.7	12.0	11.1	10.7	10.8	11.5	11.4
Mitchell	4.9	4.9	5.4	5.2	5.1	4.6	4.0	3.9	3.9	3.9	3.7	3.5	3.5	3.7	3.5	3.6	3.6



Table 2. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1996 (cont.).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	10.4	10.4	10.7	10.4	10.8	10.5	9.4	8.2	7.8	8.4	8.3	7.4	6.9	6.6	6.2	6.2	6.1
Monroe	11.1	11.6	11.9	11.2	10.8	10.3	10.6	10.4	10.5	10.1	10.1	8.7	7.3	7.2	6.2	6.1	5.9
Montgomery	9.8	9.9	9.8	8.9	8.7	7.5	6.7	6.3	6.0	6.6	6.6	6.0	5.2	5.1	5.0	5.0	5.1
Muscatine	9.4	9.4	9.5	9.1	9.0	8.7	8.5	7.9	7.5	8.1	8.1	7.5	6.6	6.1	5.6	5.8	6.0
O'Brien	6.4	6.3	5.8	5.6	5.7	4.9	4.5	4.1	4.4	4.6	4.2	3.8	3.7	3.6	3.4	4.0	3.8
Osceola	4.3	4.4	4.2	4.6	4.3	4.4	3.8	3.7	3.2	3.3	3.8	3.5	2.8	2.6	2.3	2.5	2.9
Page	10.2	10.2	10.3	9.8	9.5	9.2	8.5	8.5	8.0	8.0	8.0	7.2	6.5	6.3	5.6	5.8	5.9
Palo Alto	7.2	7.6	7.6	7.6	7.4	6.9	6.5	6.0	5.9	6.2	6.2	6.0	5.2	5.1	5.1	5.6	6.1
Plymouth	3.9	4.2	4.6	4.4	4.3	3.9	3.9	3.8	3.6	3.6	3.7	3.2	2.9	2.9	2.7	3.1	3.1
Pocahontas	7.0	7.2	7.2	6.8	6.5	6.1	5.1	4.4	3.9	4.1	4.2	4.1	4.1	3.9	3.8	4.2	4.2
Polk	8.1	8.3	8.7	8.2	8.1	7.7	7.2	6.8	6.6	6.8	6.9	6.9	6.9	6.9	6.6	7.2	6.9
Pottawattamie	10.0	10.5	11.1	10.4	10.0	9.5	8.6	7.8	7.5	7.4	7.4	7.3	7.2	7.4	7.2	8.0	7.9
Poweshiek	6.2	6.3	6.2	5.9	5.8	5.2	4.6	4.0	4.1	4.5	4.8	4.6	4.1	3.9	3.5	3.8	3.6
Ringgold	11.3	10.9	10.8	9.8	9.4	8.9	8.9	9.0	9.1	9.4	8.5	8.4	7.2	6.6	6.1	6.4	6.7
Sac	7.3	7.3	7.3	7.0	6.6	6.2	5.6	5.2	4.5	4.3	4.6	4.5	4.4	3.9	3.6	3.8	3.8
Scott	10.9	11.2	11.4	10.8	10.5	10.1	9.7	9.1	8.8	9.0	8.7	8.3	7.8	7.1	6.2	6.2	6.2
Shelby	6.4	6.8	6.3	6.2	6.0	5.7	5.5	4.4	4.2	4.3	4.1	3.8	3.4	3.3	3.2	3.3	3.1
Sioux	4.2	4.2	3.9	3.5	3.5	3.3	3.1	3.1	2.8	2.9	2.8	2.5	2.2	2.3	2.4	2.5	2.6
Story	4.1	4.2	4.1	3.8	3.6	3.3	3.0	2.6	2.4	2.6	2.4	2.2	2.0	1.9	1.8	2.0	2.1
Tama	6.5	7.0	7.4	7.4	7.8	7.0	6.2	5.6	5.6	5.9	5.5	5.1	4.9	4.8	4.6	5.2	5.3
Taylor	10.4	9.9	10.1	9.6	9.1	8.8	8.6	7.8	7.2	7.6	7.8	7.4	6.8	6.2	5.3	5.7	5.9
Union	11.2	11.3	11.0	10.9	10.6	10.0	9.9	9.9	9.0	9.4	9.6	8.9	7.8	7.2	6.6	6.9	7.0
Van Buren	7.7	8.0	8.2	8.3	7.5	7.1	7.0	6.3	6.3	6.3	6.4	6.5	6.3	5.7	4.7	5.1	5.8
Wapello	14.0	13.9	13.7	12.8	13.3	12.7	11.7	11.3	11.5	11.9	11.4	10.0	9.5	8.8	7.5	7.7	7.9
Warren	5.0	5.3	5.6	5.3	5.3	5.1	4.8	4.5	4.3	4.7	4.7	4.9	4.8	4.6	4.1	4.3	4.3
Washington	6.6	6.3	6.7	6.1	6.1	6.0	5.8	5.3	5.1	5.0	4.9	4.6	4.1	3.6	3.6	3.9	4.1
Wayne	11.6	11.8	11.8	11.3	10.7	9.3	9.5	8.6	8.4	8.2	8.5	8.5	8.1	7.6	7.1	7.3	7.4
Webster	10.6	11.0	11.2	11.0	10.6	10.2	9.5	8.8	8.3	8.6	8.4	7.7	7.4	6.9	6.4	6.8	7.2
Winnebago	5.6	5.8	6.0	5.6	5.2	5.0	4.7	4.0	3.6	3.8	3.9	3.7	3.3	3.7	3.5	4.1	3.9
Winneshiek	5.0	5.0	5.0	4.9	4.7	4.2	3.8	3.7	3.6	3.7	3.7	3.4	3.1	3.0	2.9	3.2	3.2
Woodbury	9.0	9.2	9.7	10.0	10.4	10.1	9.5	8.7	8.5	8.9	8.5	8.0	7.8	7.5	7.1	7.7	7.9
Worth	5.1	5.5	6.0	6.4	6.3	6.0	5.9	4.8	4.6	5.3	5.2	4.6	4.5	4.3	4.3	4.5	4.3
Wright	7.6	7.7	8.5	7.4	7.3	6.6	5.8	5.3	5.2	5.6	5.7	5.1	4.7	4.6	4.4	5.2	5.5
State of Iowa	7.9	8.1	8.3	7.9	7.7	7.4	6.9	6.5	6.3	6.6	6.5	6.2	5.9	5.6	5.1	5.4	5.4

Table 3. Total Annual Title XIX Payments (in \$1,000) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	3274	3355	3238	2715	2255	1954	1679	1232	1128	1064	972	986	980	841	825	879	801
Adams	2053	1746	1617	1526	1411	1176	1028	823	807	888	720	724	628	571	427	419	359
Allamakee	5885	5187	4656	4466	4065	3440	3012	2335	2046	2009	1969	1976	1588	1581	1486	1745	1484
Appanoose	7939	6826	6732	5532	5700	5041	4425	3550	3230	3059	2437	2500	2101	2043	1842	2205	1838
Audubon	3184	3391	3069	2882	2686	2351	1797	1408	1163	1037	930	927	687	749	576	611	582
Benton	6670	6239	6333	4972	4532	4701	3582	2971	2318	2105	1787	1674	1634	1537	1282	1296	1080
Black Hawk	62309	61125	55924	44147	43326	39225	32376	27276	23831	21401	17399	16570	13636	12727	11953	11761	10469
Boone	38508	38796	39745	40276	38388	39137	36179	33500	33322	29224	27288	25835	24184	24453	23638	20507	19870
Bremer	6957	6552	5855	4742	4083	3711	2741	2125	1958	1689	1615	1542	1380	1439	1350	1225	915
Buchanan	7705	8412	7055	6771	5559	5518	4648	4448	4114	4041	3876	3627	2815	2619	2691	2040	1693
Buena Vista	9194	6997	6114	4845	4720	3844	3163	2645	2708	2119	1789	1724	1368	1402	1364	1319	1197
Butler	6189	7307	6666	5834	4852	4475	3473	2936	2547	2316	2004	1895	1772	1785	1520	1532	1501
Calhoun	5472	5015	4497	4392	4157	4232	3556	2533	2276	2329	1937	1936	1469	1457	1365	1328	1286
Carroll	10803	9281	8519	7327	6519	5772	5095	4304	3102	2886	2254	2170	1988	1944	2009	1804	1792
Cass	7220	6682	6078	6092	5577	4886	3660	2820	2215	2226	2155	2258	1692	1700	1659	1550	1483
Cedar	5077	4665	4391	3813	3912	3492	2944	2530	2071	2091	1516	1306	1233	1166	1203	1226	1189
Cerro Gordo	21734	19795	17936	16828	16921	14947	11917	9058	7568	6567	5043	4817	4355	4547	4352	4221	3997
Cherokee	6087	6159	5034	5079	4246	4026	4209	3514	3011	2990	2775	2305	1960	2596	2726	1464	1777
Chickasaw	4021	3840	3845	3126	3011	2639	2063	1582	1533	1287	1102	1048	892	977	811	843	760
Clarke	4228	4151	3547	3116	2815	2390	1783	1772	1499	1743	1240	1300	1042	1058	923	787	671
Clay	7344	6943	5990	4986	4743	4454	3924	3031	2805	2470	2039	1912	1606	1562	1332	1357	1266
Clayton	7289	6762	5932	5285	5302	4796	3814	3330	2922	2481	2156	1956	1989	1981	1800	1792	1515
Clinton	24712	22825	19961	17521	16477	16449	13223	9347	7976	7437	5996	5203	4001	3956	3596	3425	2921
Crawford	9400	9769	9987	7059	6630	5885	4364	2898	2516	2229	1971	1772	1566	1837	1535	1334	1306
Dallas	9748	8808	7405	6886	6859	6085	5109	4550	3972	3764	3061	3025	2514	2583	2297	2010	1755
Davis	4269	3936	3056	2553	2653	2196	2147	1700	1439	1219	1018	1086	809	996	883	767	770
Decatur	5154	4846	4873	4234	4054	3176	2909	2264	2198	1953	1838	1716	1475	1476	1472	1518	1434
Delaware	5526	4973	4459	3918	3810	3538	2847	2381	2081	1909	1536	1496	1202	1195	1092	1130	885
Des Moines	17357	16152	15230	12332	12247	11117	9639	8106	7024	6145	4802	5593	4031	3729	3707	3606	3445
Dickinson	4232	3840	4092	3383	3213	2905	2163	1960	1431	1359	1127	1139	1155	875	1030	925	810
Dubuque	32958	28153	26515	23709	20205	18753	15841	13461	12068	10478	9138	8847	8141	8052	7074	7123	6322
Emmet	6490	6563	5226	4783	4631	4035	3026	2544	2210	2179	1920	1599	1362	1231	1184	1305	1157
Fayette	9741	9399	8492	7205	6425	5807	4559	3638	3101	2971	2520	2519	2236	2219	2002	1910	1647

Table 3. Total Annual Title XIX Payments (in \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	8924	9421	8398	7564	7129	5888	4897	3839	3180	2773	2347	2264	2158	2102	1914	1911	1611
Franklin	4994	4161	3715	3546	3707	3039	2402	1859	1835	1468	1237	1233	1199	1156	1139	1226	1171
Fremont	4934	4788	3998	3307	3142	2639	2339	1904	1678	1501	1312	1278	1088	1046	1006	1076	946
Greene	3724	3444	3066	2759	2549	2193	1889	1375	1270	1150	1033	1060	897	898	758	848	720
Grundy	2458	1939	1456	1667	2391	2027	1626	1498	1185	1140	983	997	834	818	756	813	685
Guthrie	5127	5042	4418	4111	3926	3117	2625	2206	2067	2166	1996	1900	1794	1470	1487	1475	1272
Hamilton	4858	5137	5271	5051	5265	3981	3257	2423	2071	1839	1521	1602	1396	1286	1266	1234	1222
Hancock	3724	3882	3645	3198	3121	2623	2241	1672	1449	1305	1074	1070	902	945	874	827	839
Hardin	9170	8354	7194	6429	6341	5444	4519	3353	3043	2432	2047	1994	1838	1736	1753	1744	1538
Harrison	9442	9270	7490	6564	6839	6255	4562	4010	3030	2912	2264	2599	2458	2166	2102	2094	2203
Henry	7128	6426	6114	5546	4963	5090	4112	3519	3222	2175	1888	1844	1861	2102	1630	1663	1746
Howard	4023	3909	3800	3036	3016	2852	2156	1717	1354	1383	1196	1197	2233	1268	1282	1257	1118
Humboldt	4672	4620	4579	3761	3166	3025	2731	1997	1615	1559	1261	1233	1003	1018	1197	885	858
Ida	2809	2002	1532	2422	2361	2099	1698	1597	1161	1150	995	1018	895	900	929	923	889
Iowa	4775	4405	3618	3481	3103	2892	2421	1655	1564	1475	1248	1112	885	968	951	943	883
Jackson	8355	7309	6938	6063	6107	5318	4047	3476	3266	2918	2663	2278	2146	1984	1671	1540	1425
Jasper	13853	12927	12328	10952	10184	8727	6823	5330	5222	4765	4317	4260	3347	3287	3121	2923	2352
Jefferson	6637	5850	5363	4792	4206	4081	3661	2777	2208	2073	1519	1392	1393	1471	1343	1243	1169
Johnson	20858	16992	16440	12841	12344	11002	9080	6332	5352	4626	3802	3830	2583	2551	2554	2103	2521
Jones	5148	5296	4483	3863	3560	3054	2501	2422	1955	1873	1567	1422	1284	1403	1196	1194	1142
Keokuk	5460	4809	4238	3922	4004	3567	3020	2173	2115	1778	1547	1407	1250	1235	1090	1108	953
Kossuth	5833	5879	5864	4823	4285	3543	3196	2454	1992	1842	1500	1494	1254	1290	1284	1286	1206
Lee	17684	17203	15582	13353	13060	11662	9397	8688	7232	6581	6069	5916	5001	4990	4553	4013	3503
Linn	61750	59703	56084	43868	42473	36346	31005	24744	20989	17922	15196	15141	13290	13684	11121	10996	9176
Louisa	3975	4014	4002	3350	3325	3276	2697	2013	1908	1738	1382	1392	1165	1106	975	896	859
Lucas	4621	4382	3999	3328	3312	3067	2596	2178	2113	1793	1672	1765	1594	1577	1583	1482	1285
Lyon	5488	4258	2942	2682	2743	2499	2247	1754	1410	1314	1044	957	935	773	791	731	588
Madison	5820	5282	4246	3874	3435	3147	3099	2390	2235	2221	2135	2010	1779	1712	1616	1525	1346
Mahaska	8619	8626	8515	7461	7352	6763	5383	4559	4032	3721	3139	2895	2379	2414	2279	2032	1943
Marion	9596	8896	7980	6854	6698	5983	5008	3933	3548	3487	2732	2681	2348	2311	2249	2122	1720
Marshall	19695	20585	15922	11545	9720	8790	6981	5693	4866	4758	3766	3552	3083	3182	2940	2921	2795
Mills	43139	42865	44507	44002	46448	46189	43949	39591	35569	33672	33192	29374	26455	28401	25426	23327	20104
Mitchell	3778	3229	3278	3149	2767	2273	1859	1540	1344	1378	1296	1185	1145	1203	1129	1089	1056

Table 3. Total Annual Title XIX Payments (in \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	6311	5690	5373	5182	4912	4484	3651	2631	2170	2149	1753	1633	1474	1751	1518	1424	1260
Monroe	4587	4742	4375	3327	3496	3062	2650	2126	2104	1729	1501	1372	1107	1238	1073	955	705
Montgomery	6289	6398	5447	5295	5017	3984	2938	2407	2019	2224	1844	1719	1382	1472	1245	1225	1093
Muscatine	13881	13244	11545	10031	9835	9468	7742	6116	4894	4262	3954	3751	3157	3066	3105	3074	2761
O'Brien	6939	6016	4763	4265	4164	3644	3024	2282	2016	1821	1487	1592	1542	1605	1514	1451	1396
Osceola	1087	998	1209	1848	1714	1404	1117	1019	889	723	598	721	405	350	381	352	314
Page	9400	8553	7056	6673	6277	5348	4505	3583	3296	3630	3069	3286	2080	2578	2734	2298	2290
Palo Alto	4715	4316	4218	4199	3703	3683	2689	2311	1924	1625	1503	1491	1301	1260	1165	1209	1030
Plymouth	2573	4142	5727	4854	4593	3916	3526	2755	2374	2244	1977	1585	1510	1503	1415	1479	1211
Pocahontas	3991	3721	3720	3175	3099	2448	2157	1712	1303	1260	1095	1095	932	1063	957	1099	974
Polk	140947	135873	124717	111741	109427	89799	80301	61803	54254	50014	40882	42286	35842	37048	33444	31127	25270
Pottawattamie	35074	36121	35260	30429	28700	24435	23002	16468	14303	12897	11520	12581	10478	11689	10938	9577	8932
Poweshiek	5864	5484	5220	4374	4486	3878	3071	2480	2060	1882	1639	1659	1077	1136	1103	1016	869
Ringgold	3218	2961	2497	2559	2613	2125	1863	1677	1492	1467	1192	1223	1018	949	933	915	981
Sac	4425	4470	3765	3967	3774	3356	2806	2259	1694	1404	1321	1406	1191	1200	1036	1008	957
Scott	59493	65733	61388	53387	48419	40807	34696	28343	25319	20817	17893	17012	15084	13549	11955	11950	9989
Shelby	4796	4597	3798	4016	3771	3289	2549	1877	1641	1513	1501	1665	1285	1244	1208	1199	951
Sioux	7745	7451	6259	6080	6086	5038	3867	3224	2563	2698	2683	2351	2032	1898	1850	1754	1516
Story	15712	15008	12028	10491	9775	9061	7459	5587	4377	4222	3674	3626	2974	2912	2886	2804	2536
Tama	6828	6950	6444	6072	5638	4767	3771	3095	2935	2527	2097	2107	1917	1912	1813	1758	1516
Taylor	2804	2454	2814	2574	2280	2077	1847	1464	1249	1154	1080	1233	1301	1132	929	881	873
Union	6206	6152	4542	4639	4486	3916	3781	3160	2639	2645	2108	1931	1784	1936	1615	1582	1410
Van Buren	2807	2604	2422	2166	1954	1781	1613	1465	1242	856	756	858	689	633	522	503	481
Wapello	20636	18408	15447	13019	13182	11541	9811	8851	8091	7513	6288	6014	5440	5498	4538	4302	3825
Warren	11822	11648	9970	8997	8463	8022	6901	5295	4801	4531	3937	4015	3367	3218	2832	2705	2699
Washington	9043	8104	7527	5892	5689	5825	4870	3420	2638	2270	2067	2005	1716	1488	1386	1514	1318
Wayne	4128	3341	3211	2827	2735	2257	1974	1859	1581	1472	1249	1421	1176	1142	1132	1059	970
Webster	20251	20235	18876	17009	15927	14025	11506	9045	7734	6939	5990	5794	5001	4990	4575	4606	3865
Winnebago	4378	4243	4082	4112	3627	3115	2415	1973	1657	1544	1257	1213	1037	953	880	954	924
Winneshiek	5741	5334	4953	4728	3891	3538	2833	2194	2047	1577	1347	1238	1060	1076	1030	1052	881
Woodbury	49907	48999	45776	38567	42571	38727	33716	26102	24268	21176	18952	16949	14261	13835	11214	11439	10932
Worth	2234	2385	2410	2615	2529	2126	1571	1239	986	925	820	815	739	676	733	656	571
Wright	6969	6409	4829	3949	4028	3500	2734	2229	2232	2052	1668	1657	1351	1302	1323	1381	1372
State of Iowa	1190596	1146177	1054676	928814	893934	797229	679920	551297	488797	440325	381590	369621	320097	320647	294077	278713	249321

Table 4. Adjusted Total Annual Title XIX Payments (in 1996 \$1,000) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	3274	3453	3427	2946	2516	2243	2005	1549	1486	1458	1380	1421	1463	1298	1312	1482	1489
Adams	2053	1797	1711	1656	1574	1350	1228	1035	1063	1217	1022	1044	937	881	679	706	667
Allamakee	5885	5338	4928	4846	4535	3949	3597	2935	2696	2753	2795	2848	2370	2441	2364	2942	2758
Appanoose	7939	7025	7125	6003	6359	5787	5285	4463	4256	4192	3460	3604	3136	3154	2930	3718	3416
Audubon	3184	3490	3248	3127	2997	2699	2146	1770	1533	1421	1320	1336	1025	1156	916	1030	1082
Benton	6670	6421	6702	5395	5056	5397	4278	3735	3055	2885	2537	2413	2439	2373	2039	2185	2007
Black Hawk	62309	62906	59186	47903	48338	45032	38668	34289	31403	29329	24700	23885	20352	19647	19015	19829	19459
Boone	38508	39927	42063	43703	42829	44931	43210	42113	43910	40050	38738	37240	36095	37748	37603	34575	36932
Bremer	6957	6743	6196	5145	4555	4260	3274	2671	2580	2315	2293	2223	2060	2221	2148	2065	1701
Buchanan	7705	8657	7466	7347	6202	6335	5551	5592	5421	5538	5502	5228	4201	4043	4281	3439	3147
Buena Vista	9194	7201	6471	5257	5266	4413	3778	3325	3568	2904	2540	2485	2042	2164	2170	2224	2225
Butler	6189	7520	7055	6330	5413	5137	4148	3691	3356	3174	2845	2732	2645	2756	2418	2583	2790
Calhoun	5472	5161	4759	4766	4638	4858	4247	3184	2999	3192	2750	2791	2193	2249	2171	2239	2390
Carroll	10803	9551	9016	7950	7273	6626	6085	5411	4088	3955	3200	3128	2967	3001	3196	3042	3331
Cass	7220	6877	6432	6610	6222	5609	4371	3545	2919	3051	3059	3255	2525	2624	2639	2613	2756
Cedar	5077	4801	4647	4137	4365	4009	3516	3181	2729	2866	2152	1883	1840	1800	1914	2067	2210
Cerro Gordo	21734	20372	18982	18260	18878	17160	14233	11387	9973	9000	7159	6943	6500	7019	6923	7117	7429
Cherokee	6087	6338	5328	5511	4737	4622	5027	4418	3968	4098	3939	3323	2925	4007	4336	2468	3303
Chickasaw	4021	3952	4069	3392	3359	3030	2464	1989	2020	1764	1564	1511	1331	1508	1290	1421	1413
Clarke	4228	4272	3754	3381	3141	2744	2129	2228	1975	2389	1760	1874	1555	1633	1468	1327	1247
Clay	7344	7145	6339	5410	5292	5113	4687	3810	3696	3385	2895	2756	2397	2411	2119	2288	2353
Clayton	7289	6959	6278	5735	5915	5506	4555	4186	3850	3400	3061	2819	2969	3058	2863	3021	2816
Clinton	24712	23490	21125	19012	18383	18884	15793	11750	10510	10192	8512	7500	5972	6107	5720	5775	5429
Crawford	9400	10054	10569	7660	7397	6756	5212	3643	3315	3055	2798	2554	2337	2836	2442	2249	2427
Dallas	9748	9065	7837	7472	7652	6986	6102	5720	5234	5158	4345	4360	3752	3987	3654	3389	3262
Davis	4269	4051	3234	2770	2960	2521	2564	2137	1896	1671	1445	1565	1207	1538	1405	1293	1431
Decatur	5154	4987	5157	4594	4523	3646	3474	2846	2896	2676	2609	2474	2201	2279	2342	2559	2665
Delaware	5526	5118	4719	4251	4251	4062	3400	2993	2742	2616	2181	2156	1794	1845	1737	1905	1645
Des Moines	17357	16623	16118	13381	13664	12763	11512	10190	9256	8421	6817	8062	6016	5757	5897	6080	6403
Dickinson	4232	3952	4331	3671	3585	3335	2583	2464	1886	1862	1600	1642	1724	1351	1639	1560	1506
Dubuque	32958	28973	28061	25726	22542	21529	18919	16922	15902	14360	12972	12752	12151	12430	11253	12009	11751
Emmet	6490	6754	5531	5190	5167	4632	3614	3198	2912	2986	2726	2305	2033	1900	1883	2200	2151
Fayette	9741	9673	8987	7818	7168	6667	5445	4573	4086	4072	3577	3631	3337	3425	3185	3220	3061

Table 4. Adjusted Total Annual Title XIX Payments (in 1996 \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	8924	9696	8888	8208	7954	6760	5849	4826	4190	3800	3332	3263	3221	3245	3045	3222	2994
Franklin	4994	4282	3932	3848	4136	3489	2869	2337	2418	2012	1756	1777	1790	1785	1812	2067	2177
Fremont	4934	4928	4231	3588	3505	3030	2794	2394	2211	2057	1863	1842	1624	1615	1600	1814	1758
Greene	3724	3544	3245	2994	2844	2518	2256	1729	1674	1576	1466	1528	1339	1386	1206	1430	1338
Grundy	2458	1996	1541	1809	2668	2327	1942	1883	1562	1562	1395	1437	1245	1263	1203	1371	1273
Guthrie	5127	5189	4676	4461	4380	3578	3135	2773	2724	2968	2834	2739	2678	2269	2365	2487	2364
Hamilton	4858	5287	5578	5481	5874	4570	3890	3046	2729	2520	2159	2309	2084	1985	2014	2081	2271
Hancock	3724	3995	3858	3470	3482	3011	2676	2102	1909	1788	1525	1542	1346	1459	1390	1394	1559
Hardin	9170	8597	7614	6976	7074	6250	5397	4215	4010	3333	2906	2874	2743	2680	2789	2940	2859
Harrison	9442	9540	7927	7123	7630	7181	5449	5041	3993	3991	3214	3746	3669	3344	3344	3531	4095
Henry	7128	6613	6471	6018	5537	5844	4911	4424	4246	2981	2680	2658	2778	3245	2593	2804	3245
Howard	4023	4023	4022	3294	3365	3274	2575	2158	1784	1895	1698	1725	3333	1957	2039	2119	2078
Humboldt	4672	4755	4846	4081	3532	3473	3262	2510	2128	2137	1790	1777	1497	1571	1904	1492	1595
Ida	2809	2060	1621	2628	2634	2410	2028	2008	1530	1576	1413	1467	1336	1389	1478	1556	1652
Iowa	4775	4533	3829	3777	3462	3320	2891	2081	2061	2021	1772	1603	1321	1494	1513	1590	1641
Jackson	8355	7522	7343	6579	6813	6105	4833	4370	4304	3999	3780	3284	3203	3063	2658	2596	2649
Jasper	13853	13304	13047	11884	11362	10019	8149	6700	6881	6530	6128	6141	4995	5074	4965	4928	4372
Jefferson	6637	6020	5676	5200	4693	4685	4372	3491	2910	2841	2156	2006	2079	2271	2136	2096	2173
Johnson	20858	17487	17399	13934	13772	12631	10845	7960	7053	6340	5397	5521	3855	3938	4063	3546	4686
Jones	5148	5450	4744	4192	3972	3506	2987	3045	2576	2567	2225	2050	1916	2166	1903	2013	2123
Keokuk	5460	4949	4485	4256	4467	4095	3607	2732	2787	2437	2196	2028	1866	1906	1734	1868	1771
Kossuth	5833	6050	6206	5233	4781	4067	3817	3085	2625	2524	2129	2154	1872	1991	2043	2168	2242
Lee	17684	17704	16491	14489	14571	13388	11223	10922	9530	9019	8616	8528	7464	7703	7243	6766	6511
Linn	61750	61443	59355	47601	47386	41727	37030	31106	27658	24561	21572	21825	19836	21124	17691	18539	17055
Louisa	3975	4131	4235	3635	3710	3761	3221	2531	2514	2382	1962	2006	1739	1707	1551	1511	1597
Lucas	4621	4510	4232	3611	3695	3521	3100	2738	2784	2457	2374	2544	2379	2434	2518	2499	2388
Lyon	5488	4382	3114	2910	3060	2869	2684	2205	1858	1801	1482	1379	1396	1193	1258	1232	1093
Madison	5820	5436	4494	4204	3832	3613	3701	3005	2945	3044	3031	2897	2655	2643	2571	2571	2502
Mahaska	8619	8877	9012	8096	8202	7764	6429	5731	5313	5099	4456	4173	3551	3727	3625	3426	3611
Marion	9596	9155	8445	7437	7473	6869	5981	4944	4675	4779	3878	3865	3504	3568	3578	3578	3197
Marshall	19695	21185	16851	12527	10844	10091	8338	7157	6412	6521	5346	5120	4601	4912	4677	4925	5195
Mills	43139	44114	47103	47746	51821	53027	52490	49771	46871	46146	47120	42341	39485	43843	40447	39330	37367
Mitchell	3778	3323	3469	3417	3087	2609	2220	1936	1771	1888	1840	1708	1709	1857	1796	1836	1963

Table 4. Adjusted Total Annual Title XIX Payments (in 1996 \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	6311	5856	5686	5623	5480	5148	4360	3307	2859	2945	2489	2354	2200	2703	2415	2401	2342
Monroe	4587	4880	4630	3610	3900	3515	3165	2673	2773	2370	2131	1978	1652	1911	1707	1610	1310
Montgomery	6289	6584	5765	5746	5597	4574	3509	3026	2661	3048	2618	2478	2063	2272	1981	2065	2032
Muscatine	13881	13630	12218	10885	10973	10870	9246	7689	6449	5841	5613	5407	4712	4733	4939	5183	5132
O'Brien	6939	6191	5041	4628	4646	4183	3612	2869	2657	2496	2111	2295	2301	2478	2408	2446	2595
Osceola	1087	1027	1280	2005	1912	1612	1334	1281	1171	991	849	1039	604	540	606	593	584
Page	9400	8802	7468	7241	7003	6140	5380	4504	4343	4975	4357	4737	3104	3980	4349	3874	4256
Palo Alto	4715	4442	4464	4556	4131	4228	3212	2905	2535	2227	2134	2149	1942	1945	1853	2038	1914
Plymouth	2573	4263	6061	5267	5124	4496	4211	3463	3128	3075	2807	2285	2254	2320	2251	2494	2251
Pocahontas	3991	3829	3937	3445	3457	2810	2576	2152	1717	1727	1554	1578	1391	1641	1522	1853	1810
Polk	140947	139833	131991	121249	122085	103093	95906	77694	71493	68542	58036	60953	53495	57191	53202	52480	46969
Pottawattamie	35074	37174	37316	33018	32020	28052	27472	20702	18848	17675	16354	18135	15639	18044	17400	16147	16602
Poweshiek	5864	5644	5524	4746	5005	4452	3668	3118	2715	2579	2327	2391	1607	1754	1755	1713	1615
Ringgold	3218	3047	2643	2777	2915	2440	2225	2108	1966	2010	1692	1763	1519	1465	1484	1543	1823
Sac	4425	4600	3985	4305	4211	3853	3351	2840	2232	1924	1875	2027	1778	1852	1648	1699	1779
Scott	59493	67649	64968	57930	54020	46848	41438	35631	33364	28529	25401	24522	22513	20916	19018	20148	18567
Shelby	4796	4731	4020	4358	4207	3776	3044	2360	2162	2073	2131	2400	1918	1920	1922	2022	1768
Sioux	7745	7668	6624	6597	6790	5784	4618	4053	3377	3697	3809	3389	3033	2930	2943	2957	2818
Story	15712	15445	12729	11384	10906	10402	8908	7024	5768	5786	5216	5227	4439	4495	4591	4728	4714
Tama	6828	7153	6820	6589	6290	5473	4504	3891	3868	3463	2977	3037	2861	2952	2884	2964	2818
Taylor	2804	2526	2978	2793	2544	2384	2206	1840	1646	1581	1533	1777	1942	1747	1478	1485	1623
Union	6206	6331	4807	5034	5005	4496	4516	3972	3478	3625	2993	2783	2663	2989	2569	2667	2621
Van Buren	2807	2680	2563	2350	2180	2045	1926	1842	1637	1173	1073	1237	1028	977	830	848	894
Wapello	20636	18944	16348	14127	14707	13249	11718	11127	10662	10296	8926	8669	8119	8487	7219	7253	7110
Warren	11822	11987	10551	9763	9442	9210	8242	6656	6326	6209	5589	5787	5025	4968	4505	4561	5017
Washington	9043	8340	7966	6393	6347	6687	5816	4299	3476	3111	2934	2890	2561	2297	2205	2553	2450
Wayne	4128	3438	3398	3068	3051	2591	2358	2337	2083	2017	1773	2048	1755	1763	1801	1785	1803
Webster	20251	20825	19977	18456	17769	16101	13742	11371	10191	9510	8503	8352	7464	7703	7278	7766	7184
Winnebago	4378	4367	4320	4462	4047	3576	2884	2480	2183	2116	1784	1748	1548	1471	1400	1608	1717
Winneshiek	5741	5489	5242	5130	4341	4062	3384	2758	2697	2161	1912	1785	1582	1661	1639	1774	1638
Woodbury	49907	50427	48446	41849	47495	44460	40268	32813	31979	29021	26904	24431	21285	21357	17839	19286	20319
Worth	2234	2455	2551	2838	2822	2441	1876	1558	1299	1268	1164	1175	1103	1044	1166	1106	1061
Wright	6969	6596	5111	4285	4494	4018	3265	2802	2941	2812	2368	2388	2016	2010	2105	2328	2550
State of Iowa	1190596	1179578	1116187	1007843	997339	915248	812048	693046	644106	603442	541707	532788	477752	494987	467813	469912	463414

Table 5. Average Monthly Payments (\$) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	439	470	448	403	369	341	314	274	255	210	172	188	202	179	195	187	169
Adams	379	308	277	281	265	233	237	209	200	197	176	200	213	222	202	169	138
Allamakee	501	441	395	382	363	367	351	284	254	240	219	223	187	193	176	183	146
Appanoose	318	277	272	229	244	227	207	167	154	145	111	116	98	100	102	122	100
Audubon	616	622	534	538	485	448	403	337	293	261	221	226	207	220	161	146	135
Benton	396	361	346	281	256	285	227	217	173	152	137	125	123	126	116	115	99
Black Hawk	371	366	330	271	273	252	212	179	160	134	108	109	94	103	106	99	88
Boone	1575	1530	1494	1514	1515	1656	1630	1484	1512	1306	1196	1136	1085	1126	1133	933	880
Bremer	495	451	368	323	319	298	247	214	189	145	132	132	121	146	153	129	107
Buchanan	392	432	335	341	281	284	250	240	215	191	179	179	158	164	207	153	125
Buena Vista	560	452	410	335	342	305	269	243	248	188	157	164	146	151	149	131	119
Butler	495	532	463	448	371	360	298	274	231	198	168	169	173	192	194	173	161
Calhoun	531	500	447	458	426	471	422	317	297	270	232	260	207	212	208	180	168
Carroll	669	572	515	459	438	420	379	341	287	255	211	221	203	207	218	182	183
Cass	453	401	352	381	382	373	316	267	220	209	195	212	174	188	182	143	146
Cedar	424	386	340	313	339	321	273	251	216	206	162	154	162	146	151	147	129
Cerro Gordo	441	404	355	352	365	341	289	237	207	179	142	149	139	140	137	121	115
Cherokee	550	560	466	507	440	425	470	431	377	340	322	284	247	340	376	181	205
Chickasaw	395	359	329	304	333	323	265	212	211	158	141	137	125	157	161	145	125
Clarke	373	358	311	306	282	274	217	243	199	211	156	172	163	157	147	135	117
Clay	522	483	385	334	326	315	300	244	233	191	153	153	142	139	128	116	117
Clayton	539	482	421	386	381	356	300	282	259	219	184	171	178	176	170	161	133
Clinton	408	366	316	293	294	306	257	194	176	157	120	107	94	101	111	107	99
Crawford	513	475	463	378	365	303	268	228	212	185	172	176	168	186	171	146	132
Dallas	446	397	346	344	342	319	278	256	241	203	160	161	143	155	160	134	120
Davis	571	474	348	308	320	274	250	200	172	138	130	135	104	136	147	122	116
Decatur	364	340	331	326	329	287	282	237	235	205	200	197	182	181	180	166	159
Delaware	410	374	342	312	307	304	236	194	162	137	104	110	97	104	111	103	81
Des Moines	333	312	290	240	255	236	218	192	182	155	118	141	110	105	112	100	99
Dickinson	419	367	399	371	343	336	272	238	188	178	153	157	165	116	140	122	105
Dubuque	469	409	374	342	298	289	261	227	204	163	137	134	126	131	137	137	123
Emmet	585	588	465	440	423	382	294	260	236	210	173	159	157	149	155	160	140
Fayette	401	388	333	290	279	267	232	207	184	165	143	151	143	147	147	134	118
Floyd	472	461	401	399	387	344	297	246	223	180	146	154	152	154	152	141	124
Franklin	488	398	352	379	414	354	297	257	275	216	179	190	182	177	188	177	158
Fremont	484	446	353	338	354	323	311	255	234	201	181	183	177	184	196	176	146
Greene	376	348	309	311	307	277	250	205	189	164	141	150	134	141	125	124	104
Grundy	454	365	306	318	388	348	310	300	249	212	183	191	168	174	182	169	148
Guthrie	443	433	356	353	350	314	292	258	226	215	211	211	214	186	201	186	157
Hamilton	399	392	352	364	383	316	295	232	202	168	147	174	145	136	142	127	123
Hancock	414	410	368	358	344	321	323	276	264	224	185	200	182	181	169	135	134
Hardin	479	428	353	358	379	361	334	270	247	199	173	179	172	160	155	144	131
Harrison	495	496	394	363	388	388	311	299	239	230	188	212	199	178	192	177	177
Henry	392	342	321	323	310	327	292	281	295	203	165	152	156	185	168	158	153
Howard	483	433	395	336	360	379	299	269	232	217	174	166	321	181	210	190	161
Humboldt	545	515	490	386	366	397	375	285	236	222	180	186	182	182	221	141	142
Ida	516	368	305	455	435	435	416	393	292	273	251	287	274	266	282	261	239
Iowa	529	502	389	429	415	397	353	297	285	243	205	211	190	193	209	181	167
Jackson	435	362	322	294	313	283	225	195	179	151	132	122	120	121	123	123	112
Jasper	530	481	446	396	388	363	301	247	241	200	172	177	147	143	149	129	107



Table 5. Average Monthly Payments (\$) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1996 (cont.).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	405	365	320	302	284	285	267	226	198	182	143	138	139	146	136	127	107
Johnson	432	368	366	306	315	305	271	213	196	171	146	163	119	121	126	93	114
Jones	372	368	305	275	277	257	207	205	165	154	122	121	113	128	110	109	100
Keokuk	409	369	319	298	326	296	264	198	205	172	152	155	157	171	170	155	133
Kossuth	473	435	407	350	324	307	301	273	244	211	175	190	167	165	163	142	135
Lee	363	357	300	267	273	258	222	217	190	164	148	146	127	133	139	123	111
Linn	427	400	363	306	303	271	248	211	181	144	121	124	112	121	109	107	92
Louisa	317	318	304	269	285	300	270	221	208	168	132	133	109	116	117	102	90
Lucas	356	330	307	286	292	282	259	224	220	175	156	166	150	159	174	160	126
Lyon	661	548	418	391	427	442	421	365	316	298	231	219	220	196	199	179	159
Madison	593	501	412	406	366	353	349	273	278	266	247	238	218	213	227	212	180
Mahaska	367	377	341	302	307	293	247	227	213	190	157	157	136	139	145	120	114
Marion	440	380	331	305	317	307	270	224	205	192	143	151	133	136	153	135	105
Marshall	466	489	371	288	258	253	219	191	170	159	131	132	114	126	143	111	102
Mills	2288	2166	2192	2360	2546	2666	2565	2319	2018	1845	1789	1533	1495	1660	1468	1247	1097
Mitchell	581	491	456	456	419	380	352	296	256	265	260	244	232	230	227	210	197
Monona	509	459	415	416	379	358	321	264	224	205	168	171	160	194	180	167	147
Monroe	423	415	376	302	330	304	257	210	204	173	149	153	145	162	162	143	108
Montgomery	451	452	387	413	404	372	301	263	234	234	189	185	167	184	157	152	133
Muscatine	298	285	246	223	223	223	191	161	137	110	102	104	97	102	112	108	95
O'Brien	601	524	442	410	396	404	362	297	247	211	187	215	207	220	221	180	178
Osceola	300	267	334	465	464	365	337	319	313	249	172	220	149	137	167	142	108
Page	455	418	339	340	329	288	261	209	206	223	185	215	147	185	220	174	168
Palo Alto	537	463	441	444	397	418	321	299	252	198	176	174	170	164	151	142	112
Plymouth	225	338	427	387	378	356	325	261	234	223	191	174	180	179	178	160	131
Pocahontas	528	471	470	427	429	357	369	334	282	254	208	207	176	208	192	197	171
Polk	412	388	346	333	332	292	282	236	217	196	159	165	141	146	139	119	100
Pottawattamie	344	341	318	290	286	260	271	211	192	172	154	169	141	154	147	116	109
Poweshiek	413	381	367	330	338	329	294	272	220	185	152	160	117	128	137	114	103
Ringgold	444	426	360	406	429	368	322	286	253	239	211	209	199	200	209	196	200
Sac	422	421	357	393	390	372	341	291	252	215	186	198	171	189	177	157	147
Scott	289	311	288	265	248	220	197	173	160	128	112	110	103	101	101	101	85
Shelby	476	434	385	409	395	364	293	269	244	217	223	258	214	212	215	206	169
Sioux	488	476	431	467	478	417	352	295	258	262	269	254	248	225	214	190	158
Story	429	402	332	309	308	313	279	242	208	187	171	181	166	173	185	157	136
Tama	496	466	408	386	343	329	290	262	248	201	174	184	173	175	171	147	122
Taylor	313	287	324	314	297	278	251	219	201	171	152	177	198	185	177	156	147
Union	365	364	275	283	280	256	250	211	191	182	142	138	141	164	148	137	122
Van Buren	388	347	319	281	281	269	250	251	209	144	123	136	111	110	109	95	80
Wapello	342	309	261	234	230	213	196	183	165	145	124	131	123	134	128	116	101
Warren	505	468	389	374	356	357	330	274	262	231	198	196	169	167	167	148	151
Washington	548	518	461	398	385	406	358	273	220	192	179	182	176	172	162	159	132
Wayne	434	346	328	298	305	289	245	254	220	206	167	186	154	158	168	150	134
Webster	407	391	355	322	312	286	249	210	192	163	142	147	129	137	133	124	98
Winnebago	540	509	476	516	489	433	357	336	319	279	219	221	208	170	167	152	105
Winneshiek	453	423	391	378	329	333	295	234	223	171	142	142	131	136	138	125	105
Woodbury	452	435	387	319	342	321	300	255	244	204	191	179	154	154	132	122	114
Worth	468	458	425	429	423	374	277	265	219	178	156	169	155	146	157	134	121
Wright	537	481	334	313	324	311	274	245	250	213	165	175	150	149	159	138	128
State of Iowa	438	415	373	346	343	324	294	255	234	202	174	176	159	167	166	148	132

Table 6. Adjusted Average Monthly Payments (in 1996 \$s) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	439	484	474	437	412	391	375	344	336	288	244	271	301	276	310	315	314
Adams	379	317	293	305	296	267	283	263	264	270	250	288	318	343	321	285	257
Allamakee	501	454	418	415	405	421	419	357	335	329	311	321	279	298	280	309	271
Appanoose	318	285	288	248	272	261	247	210	203	199	158	167	146	154	162	206	186
Audubon	616	640	565	584	541	514	481	424	386	358	314	326	309	340	256	246	251
Benton	396	372	366	305	286	327	271	273	228	208	194	180	184	195	185	194	184
Black Hawk	371	377	349	294	305	289	253	225	211	184	153	157	140	159	169	167	164
Boone	1575	1575	1581	1643	1690	1901	1947	1866	1992	1790	1698	1637	1619	1738	1802	1573	1636
Bremer	495	464	389	350	356	342	295	269	249	199	187	190	181	225	243	217	199
Buchanan	392	445	355	370	314	326	299	302	283	262	254	258	236	253	329	258	232
Buena Vista	560	465	434	364	382	350	321	305	327	258	223	236	218	233	237	221	221
Butler	495	548	490	486	414	413	356	344	304	271	238	244	258	296	309	292	299
Calhoun	531	515	473	497	475	541	504	399	391	370	329	375	309	327	331	303	312
Carroll	669	589	545	498	489	482	453	429	378	349	300	319	303	320	347	307	340
Cass	453	413	373	413	426	428	377	336	290	286	277	306	260	290	290	241	271
Cedar	424	397	360	340	378	369	326	316	285	282	230	222	242	225	240	248	240
Cerro Gordo	441	416	376	382	407	391	345	298	273	245	202	215	207	216	218	204	214
Cherokee	550	576	493	550	491	488	561	542	497	466	457	409	369	525	598	305	381
Chickasaw	395	369	348	330	372	371	316	267	278	217	200	197	187	242	256	244	232
Clarke	373	368	329	332	315	315	259	305	262	289	221	248	243	242	234	228	217
Clay	522	497	407	362	364	362	358	307	307	262	217	221	212	215	204	196	217
Clayton	539	496	446	419	425	409	358	355	341	300	261	246	266	272	270	271	247
Clinton	408	377	334	318	328	351	307	244	232	215	170	154	140	156	177	180	184
Crawford	513	489	490	410	407	348	320	287	279	254	244	254	251	287	272	246	245
Dallas	446	409	366	373	382	366	332	322	318	278	227	232	213	239	255	226	223
Davis	571	488	368	334	357	315	299	251	227	189	185	195	155	210	234	206	216
Decatur	364	350	350	354	367	329	337	298	310	281	284	284	272	279	286	280	296
Delaware	410	385	362	339	343	349	282	244	213	188	148	159	145	161	177	174	151
Des Moines	333	321	307	260	284	271	260	241	240	212	168	203	164	162	178	169	184
Dickinson	419	378	422	403	383	386	325	299	248	244	217	226	246	179	223	206	195
Dubuque	469	421	396	371	332	332	312	285	269	223	194	193	188	202	218	231	229
Emmet	585	605	492	477	472	439	351	327	311	288	246	229	234	230	247	270	260
Fayette	401	399	352	315	311	307	277	260	242	226	203	218	213	227	234	226	219
Floyd	472	474	424	433	432	395	355	309	294	247	207	222	227	238	242	238	230
Franklin	488	410	373	411	462	406	355	323	362	296	254	274	272	273	299	298	294
Fremont	484	459	374	367	395	371	371	321	308	275	257	264	264	284	312	297	271
Greene	376	358	327	337	343	318	299	258	249	225	200	216	200	218	199	209	193
Grundy	454	376	324	345	433	400	370	377	328	291	260	275	251	269	290	285	275
Guthrie	443	446	377	383	390	360	349	324	298	295	300	304	319	287	320	314	292
Hamilton	399	403	373	395	427	363	352	292	266	230	209	251	216	210	226	214	229
Hancock	414	422	389	388	384	369	386	347	348	307	263	288	272	279	269	228	249
Hardin	479	440	374	388	423	414	399	339	325	273	246	258	257	247	247	243	243
Harrison	495	510	417	394	433	445	371	376	315	315	267	306	297	275	305	298	329
Henry	392	352	340	350	346	375	349	353	389	278	234	219	233	286	267	266	284
Howard	483	446	418	365	402	435	357	338	306	297	247	239	479	279	334	320	299
Humboldt	545	530	519	419	408	456	448	358	311	304	256	268	272	281	352	238	264
Ida	516	379	323	494	485	499	497	494	385	374	356	414	409	411	449	440	444
Iowa	529	517	412	466	463	456	422	373	376	333	291	304	284	298	332	305	310
Jackson	435	373	341	319	349	325	269	245	236	207	187	176	179	187	196	207	208
Jasper	530	495	472	430	433	417	359	311	318	274	244	255	219	221	237	217	199

Table 6. Adjusted Average Monthly Payments (in 1996 \$s) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	405	376	339	328	317	327	319	284	261	249	203	199	207	225	216	214	199
Johnson	432	379	387	332	351	350	324	268	258	234	207	235	178	187	200	157	212
Jones	372	379	323	298	309	295	247	258	217	211	173	174	169	198	175	184	186
Keokuk	409	380	338	323	364	340	315	249	270	236	216	223	234	264	270	261	247
Kossuth	473	448	431	380	361	352	359	343	322	289	248	274	249	255	259	239	251
Lee	363	367	317	290	305	296	265	273	250	225	210	210	190	205	221	207	206
Linn	427	412	384	332	338	311	296	265	239	197	172	179	167	187	173	180	171
Louisa	317	327	322	292	318	344	322	278	274	230	187	192	163	179	186	172	167
Lucas	356	340	325	310	326	324	309	282	290	240	221	239	224	245	277	270	234
Lyon	661	564	442	424	476	507	503	459	416	408	328	316	328	303	317	302	296
Madison	593	516	436	441	408	405	417	343	366	365	351	343	325	329	361	357	335
Mahaska	367	388	361	328	343	336	295	285	281	260	223	226	203	215	231	202	212
Marion	440	391	350	331	354	352	322	282	270	263	203	218	199	210	243	228	195
Marshall	466	503	393	313	288	290	262	240	224	218	186	190	170	195	227	187	190
Mills	2288	2229	2320	2561	2841	3061	3063	2915	2659	2528	2540	2210	2231	2563	2335	2102	2039
Mitchell	581	505	483	495	467	436	420	372	337	363	369	352	346	355	361	354	366
Monona	509	472	439	451	423	411	383	332	295	281	238	246	239	299	286	282	273
Monroe	423	427	398	328	368	349	307	264	269	237	212	221	216	250	258	241	201
Montgomery	451	465	410	448	451	427	359	331	308	321	268	267	249	284	250	256	247
Muscatine	298	293	260	242	249	256	228	202	181	151	145	150	145	157	178	182	177
O'Brien	601	539	468	445	442	464	432	373	325	289	265	310	309	340	352	303	331
Osceola	300	275	353	505	518	419	402	401	412	341	244	317	222	211	266	239	201
Page	455	430	359	369	367	331	312	263	271	306	263	310	219	286	350	293	312
Palo Alto	537	476	467	482	443	480	383	376	332	271	250	251	254	253	240	239	208
Plymouth	225	348	452	420	422	409	388	328	308	306	271	251	269	276	283	270	243
Pocahontas	528	485	497	463	479	410	441	420	372	348	295	298	263	321	305	332	318
Polk	412	399	366	361	370	335	337	297	286	269	226	238	210	225	221	201	186
Pottawattamie	344	351	337	315	319	298	324	265	253	236	219	244	210	238	234	196	203
Poweshiek	413	392	388	358	377	378	351	342	290	254	216	231	175	198	218	192	191
Ringgold	444	438	381	441	479	422	385	360	333	328	300	301	297	309	332	330	372
Sac	422	433	378	426	435	427	407	366	332	295	264	285	255	292	282	265	273
Scott	289	320	305	288	277	253	235	217	211	175	159	159	154	156	161	170	158
Shelby	476	447	407	444	441	418	350	338	322	297	317	372	319	327	342	347	314
Sioux	488	490	456	507	533	479	420	371	340	359	382	366	370	347	340	320	294
Story	429	414	351	335	344	359	333	304	274	256	243	261	248	267	294	265	253
Tama	496	480	432	419	383	378	346	329	327	275	247	265	258	270	272	248	227
Taylor	313	295	343	341	331	319	300	275	265	234	216	255	296	286	282	263	273
Union	365	375	291	307	312	294	299	265	252	249	202	199	210	253	235	231	227
Van Buren	388	357	338	305	314	309	299	316	275	197	175	196	166	170	173	160	149
Wapello	342	318	276	254	257	245	234	230	217	199	176	189	184	207	204	196	188
Warren	505	482	412	406	397	410	394	344	345	317	281	283	252	258	266	250	281
Washington	548	533	488	432	430	466	428	343	290	263	254	262	263	266	258	268	245
Wayne	434	356	347	323	340	332	293	319	290	282	237	268	230	244	267	253	249
Webster	407	402	376	349	348	328	297	264	253	223	202	212	193	211	212	209	182
Winnebago	540	524	504	560	546	497	426	422	420	382	311	319	310	262	266	256	283
Winneshiek	453	435	414	410	367	382	352	294	294	234	202	205	196	210	220	211	195
Woodbury	452	448	410	346	382	369	358	321	322	280	271	258	230	238	210	206	212
Worth	468	471	450	466	472	429	331	333	289	244	221	244	231	225	250	226	225
Wright	537	495	353	340	361	357	327	308	329	292	234	252	224	230	253	233	238
State of Iowa	438	427	395	375	383	372	351	321	308	277	247	254	237	258	264	250	245

Table 7. Percentage Changes in Population, Persons Eligible, Adjusted Total Annual Title XIX Payments, and Adjusted Average Title XIX Payments Received Per Person Per Month in Iowa Counties, 1986-1996.

County	Estimated Population			Persons Eligible to Receive Title XIX Payments			Adjusted Total Annual Title XIX Payments			Adj. Average Title XIX Payments Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Adair	-0.6	-2.1	-5.4	4.4	30.2	31.6	-5.2	46.0	137.2	-9.3	12.3	79.9
Adams	-0.9	-5.0	-13.5	-4.4	7.6	32.6	14.2	52.1	100.9	19.6	41.9	51.6
Allamakee	-0.4	1.1	-2.7	-0.1	25.1	30.6	10.2	49.0	110.6	10.4	19.0	61.1
Appanoose	-0.1	-0.9	-3.8	1.2	12.7	13.8	13.0	37.2	129.5	11.6	21.8	101.3
Audubon	-0.1	-4.7	-12.2	-5.1	-1.4	22.8	-8.8	18.0	141.2	-3.8	19.8	96.2
Benton	1.5	8.6	9.7	-2.5	2.1	29.3	3.9	23.6	162.9	6.5	21.1	104.1
Black Hawk	-0.1	-1.4	-2.7	0.4	7.9	4.3	-0.9	38.4	152.3	-1.6	28.4	142.5
Boone	1.1	2.0	2.2	-3.5	3.5	7.2	-3.6	-14.3	-0.6	0.0	-17.1	-7.2
Bremer	0.2	1.5	0.2	-3.2	12.7	14.8	3.2	63.3	203.4	6.7	44.7	164.7
Buchanan	-0.2	1.2	0.4	0.9	1.1	-9.4	-11.0	21.6	40.0	-11.9	20.2	54.3
Buena Vista	-0.6	-0.5	-2.7	6.0	30.0	44.0	27.7	108.3	262.0	20.4	60.0	151.1
Butler	0.1	-0.3	-3.3	-9.1	0.4	4.7	-17.7	20.5	117.5	-9.7	19.9	108.0
Calhoun	-0.4	-0.3	-4.0	2.8	14.7	23.4	6.0	12.6	99.0	3.1	-1.8	61.4
Carroll	-0.3	0.6	-2.5	-0.4	17.7	51.4	13.1	63.0	237.6	13.6	38.8	123.0
Cass	-0.2	-0.7	-5.7	-4.4	21.5	44.2	5.0	28.7	136.0	9.7	5.8	63.5
Cedar	0.7	1.8	-0.1	-0.9	9.9	28.1	5.7	26.6	135.9	6.8	14.9	84.3
Cerro Gordo	-0.2	-1.1	-3.3	0.4	12.5	38.2	6.7	26.7	203.6	6.0	12.8	118.3
Cherokee	-1.1	-4.2	-9.2	0.7	16.8	28.6	-4.0	31.7	54.5	-4.5	12.7	20.4
Chickasaw	0.3	1.9	-4.8	-4.8	24.5	30.4	1.7	32.7	157.1	7.0	6.5	97.5
Clarke	1.1	-0.2	-0.4	-2.1	30.2	43.0	-1.0	54.1	140.2	1.4	18.4	68.8
Clay	0.1	-0.2	-1.0	-2.1	-0.4	5.6	2.8	43.6	153.7	5.0	44.2	140.6
Clayton	0.6	0.1	-4.1	-3.6	0.2	15.5	4.7	32.4	138.1	8.7	31.8	106.5
Clinton	-1.0	-1.0	-3.8	-3.0	12.6	21.3	5.2	30.9	190.3	8.2	16.2	140.0
Crawford	-0.1	-1.0	-7.0	-10.9	-5.6	60.1	-6.5	39.1	236.0	4.9	47.4	110.2
Dallas	2.8	11.7	17.4	-1.5	14.5	14.0	7.5	39.5	124.3	9.0	21.9	96.5
Davis	-0.8	1.6	-2.8	-10.0	-6.9	-4.3	5.4	69.3	195.4	17.0	81.3	208.6
Decatur	-0.7	1.1	-6.3	-0.8	28.1	54.0	3.3	41.4	97.5	4.0	10.6	28.2
Delaware	0.3	1.9	2.5	1.2	15.6	-8.8	8.0	36.0	153.4	6.5	17.5	177.0
Des Moines	-0.2	-0.5	-1.5	0.7	10.7	28.4	4.4	36.0	154.6	3.7	22.9	98.2
Dickinson	0.7	3.5	6.1	-3.7	16.8	36.7	7.1	26.9	164.5	10.8	8.5	93.1
Dubuque	0.1	1.6	0.5	2.0	8.1	5.2	13.8	53.1	154.1	11.4	41.3	141.8
Emmet	-0.7	-4.3	-6.6	-0.6	4.9	-0.1	-3.9	40.1	138.1	-3.3	33.3	137.8
Fayette	0.3	0.2	-2.4	0.2	11.6	37.5	0.7	46.1	172.3	0.5	30.6	97.5
Floyd	-0.4	-1.9	-7.5	-7.6	10.3	17.3	-8.0	32.0	167.8	-0.4	19.5	128.0
Franklin	-0.1	-2.6	-9.0	-2.2	19.1	48.1	16.6	43.1	184.4	19.0	20.2	92.1
Fremont	-1.6	-3.0	-8.7	-5.0	24.9	40.6	0.1	62.8	164.8	5.4	30.5	88.3
Greene	1.0	0.6	-6.5	0.1	25.3	35.2	5.1	47.9	154.0	5.0	18.2	88.0
Grundy	0.7	3.2	-3.6	2.0	-7.0	0.9	23.1	5.6	76.2	20.7	13.5	74.6
Guthrie	0.5	2.6	1.3	-0.6	16.4	22.5	-1.2	43.3	80.9	-0.7	23.1	47.7
Hamilton	-0.9	0.4	-4.4	-7.2	-3.4	17.6	-8.1	6.3	125.0	-1.0	9.9	90.9
Hancock	0.1	-2.7	-7.2	-5.1	10.0	55.1	-6.8	23.7	144.2	-1.9	12.2	57.4
Hardin	-0.4	-1.4	-7.9	-1.8	27.0	61.8	6.7	46.7	215.6	8.9	15.7	94.7
Harrison	0.8	3.8	-0.7	2.1	18.4	58.3	-1.0	31.5	193.8	-2.9	11.2	85.4
Henry	-0.1	2.0	4.7	-3.3	16.6	59.0	7.8	22.0	166.0	11.4	4.5	67.5
Howard	0.1	-1.0	-5.1	-7.8	10.7	21.1	0.0	22.9	136.9	8.3	11.0	95.5
Humboldt	0.3	-2.3	-7.5	-4.5	12.4	22.5	-1.7	34.5	161.0	2.8	19.5	112.9
Ida	-1.3	-2.1	-5.7	0.0	12.9	37.6	36.4	16.6	98.8	36.1	3.4	44.9
Iowa	1.2	4.3	3.1	2.9	23.9	48.0	5.3	43.8	169.5	2.3	16.0	81.8
Jackson	-0.0	0.8	-5.0	-4.9	2.1	-4.9	11.1	36.9	121.0	16.6	33.8	132.6
Jasper	0.8	2.1	2.4	-2.9	8.7	3.8	4.1	38.3	126.1	7.1	27.1	117.2

Table 7. Percentage Changes in Population, Persons Eligible, Adjusted Total Annual Title XIX Payments, and Adjusted Average Title XIX Payments Received Per Person Per Month in Iowa Counties, 1986-1996 (cont.).

County	Estimated Population			Persons Eligible to Receive Title XIX Payments			Adjusted Total Annual Title XIX Payments			Adj. Average Title XIX Payments Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Jefferson	0.6	3.2	3.9	2.3	14.6	54.2	10.2	41.7	207.8	7.7	23.9	99.5
Johnson	0.2	5.0	13.7	4.7	33.7	86.1	19.3	65.1	286.5	14.0	23.4	108.7
Jones	0.9	5.2	6.4	-3.8	16.3	8.2	-5.5	46.8	131.4	-1.8	26.1	115.0
Keokuk	-0.4	-0.3	-4.4	2.5	11.0	31.6	10.3	33.3	148.6	7.6	20.3	89.4
Kossuth	-0.7	-1.5	-8.5	-8.9	6.8	43.8	-3.6	43.4	174.0	5.6	34.4	90.7
Lee	-0.6	-0.1	-3.6	1.0	7.6	18.6	-0.1	32.1	105.2	-1.1	22.6	72.9
Linn	0.5	5.2	9.3	-3.1	8.1	14.8	0.5	48.0	186.3	3.6	37.3	148.3
Louisa	1.1	3.3	3.4	-0.8	14.8	19.7	-3.8	5.7	102.6	-3.1	-7.8	69.5
Lucas	0.0	-0.7	-5.2	-2.2	19.6	21.0	2.5	31.2	94.7	4.7	9.9	61.1
Lyon	0.6	0.1	-0.9	7.0	46.9	83.6	25.2	91.3	270.3	17.2	30.4	101.5
Madison	1.3	8.7	11.7	-6.9	10.2	13.8	7.1	61.1	92.0	14.9	46.4	68.9
Mahaska	-0.4	1.3	0.5	2.7	1.8	17.9	-2.9	11.0	93.4	-5.4	9.2	64.6
Marion	0.9	4.0	6.5	-6.8	12.0	14.1	4.8	39.7	147.4	12.5	25.0	116.7
Marshall	0.2	1.9	-2.0	0.5	21.6	47.2	-7.0	95.2	268.4	-7.4	60.7	150.5
Mills	1.7	5.9	6.2	-4.7	8.8	1.6	-2.2	-18.6	-8.4	2.6	-25.3	-9.9
Mitchell	0.3	1.9	-1.2	-1.1	8.6	30.6	13.7	44.8	105.3	15.0	33.3	57.5
Monona	0.1	0.2	-5.2	0.1	-0.9	18.7	7.8	22.6	153.6	7.8	23.8	113.9
Monroe	-1.0	-0.6	-3.0	-5.1	7.6	7.5	-6.0	30.5	115.3	-0.9	21.2	99.5
Montgomery	-0.2	-0.6	-3.6	-1.4	30.1	43.3	-4.5	37.5	140.2	-3.0	5.6	68.3
Muscatine	-0.5	1.5	2.8	0.3	9.7	20.4	1.8	27.7	147.3	1.7	16.4	105.5
O'Brien	-1.6	-2.7	-5.6	0.5	28.1	44.9	12.1	65.9	228.7	11.5	29.5	126.8
Osceola	0.5	-2.4	-5.9	-2.9	-5.9	4.5	5.8	-32.6	28.0	9.1	-28.4	23.0
Page	0.3	-0.4	-3.0	0.8	11.3	24.3	6.8	53.1	115.7	5.8	37.5	73.0
Palo Alto	-0.2	-4.2	-10.9	-5.7	-0.4	3.1	6.1	11.5	120.9	12.8	11.9	114.8
Plymouth	1.1	4.4	3.7	-6.8	3.9	10.3	-39.6	-42.8	-8.3	-35.3	-45.0	-17.0
Pocahontas	-1.3	-4.2	-13.2	-4.4	10.1	43.5	4.2	42.0	156.8	8.9	28.8	79.0
Polk	0.9	6.5	14.3	-2.2	11.3	33.1	0.8	36.7	142.9	3.3	23.0	82.3
Pottawattamie	1.3	2.5	0.9	-3.7	8.3	35.9	-5.6	25.0	114.5	-2.0	15.4	57.1
Poweshiek	0.2	0.1	1.5	-1.3	20.6	31.6	3.9	31.7	152.0	5.4	9.3	91.2
Ringgold	0.5	-0.9	-4.0	4.3	25.6	28.2	5.6	31.9	90.2	1.4	5.2	48.0
Sac	-0.4	-1.5	-6.0	-1.1	16.4	47.9	-3.8	14.8	136.0	-2.5	-1.2	59.8
Scott	0.5	2.7	3.1	-2.6	11.0	28.7	-12.1	27.0	134.2	-9.7	14.2	81.8
Shelby	0.1	-1.6	-5.3	-4.9	11.4	49.7	1.4	27.0	125.1	6.5	13.9	50.2
Sioux	-0.2	3.6	4.3	1.4	31.3	58.9	1.0	33.9	103.3	-0.4	1.9	27.7
Story	0.4	0.8	0.8	-1.9	26.5	70.3	1.7	51.0	201.2	3.6	19.5	76.5
Tama	-0.6	1.7	-3.0	-7.6	-5.1	14.2	-4.5	24.8	129.4	3.3	31.2	100.8
Taylor	0.4	1.6	-5.3	4.9	19.9	26.2	11.0	17.6	82.9	6.1	-1.9	44.9
Union	0.4	1.6	-5.3	4.9	19.9	26.2	11.0	17.6	82.9	-2.7	24.1	80.7
Van Buren	1.3	-0.4	-2.5	0.6	11.4	14.7	-2.0	38.0	107.4	8.7	25.6	121.7
Van Buren	0.2	0.9	-2.3	-3.7	9.4	17.8	4.7	37.3	161.6	7.5	39.6	94.3
Wapello	0.1	0.1	-3.7	1.3	11.1	19.0	8.9	55.8	131.2	8.7	25.6	121.7
Warren	0.1	0.1	-3.7	1.3	11.1	19.0	8.9	55.8	131.2	7.5	39.6	94.3
Warren	1.2	7.5	12.9	-5.8	4.3	17.8	-1.4	28.4	111.5	4.8	23.2	79.7
Washington	0.7	4.0	5.5	5.4	15.0	43.2	8.4	35.2	208.2	2.8	17.6	115.7
Wayne	0.7	4.0	5.5	5.4	15.0	43.2	8.4	35.2	208.2	21.9	30.7	83.1
Wayne	-0.0	-2.7	-7.0	-1.5	21.8	27.3	20.1	59.3	132.8	1.2	24.1	101.5
Webster	-0.8	-3.0	-6.4	-4.1	1.3	18.3	-2.8	25.8	138.2	4.1	18.6	124.3
Webster	-0.8	-3.0	-6.4	-4.1	1.3	18.3	-2.8	25.8	138.2	3.1	8.7	73.6
Winnebago	0.4	0.1	-2.7	-2.7	12.9	41.4	0.3	22.4	145.4	4.1	18.6	124.3
Winneshiek	0.4	0.1	-2.7	-2.7	12.9	41.4	0.3	22.4	145.4	4.6	41.3	200.3
Winneshiek	-0.0	-0.3	-0.8	0.6	19.3	34.0	4.6	41.3	200.3	1.2	24.1	101.5
Woodbury	-0.0	-0.3	-0.8	0.6	19.3	34.0	4.6	41.3	200.3	0.9	22.5	66.8
Woodbury	0.3	3.3	5.2	-2.1	-8.6	11.4	-1.0	12.3	85.5	-0.6	9.1	111.8
Worth	0.3	3.3	5.2	-2.1	-8.6	11.4	-1.0	12.3	85.5	-0.6	9.1	111.8
Worth	0.2	-0.2	-7.2	-8.3	-16.0	-8.9	-9.0	-8.5	91.9	8.5	50.4	129.5
Wright	0.2	-0.2	-7.2	-8.3	-16.0	-8.9	-9.0	-8.5	91.9	8.5	50.4	129.5
Wright	-0.4	1.2	-3.4	-2.6	15.2	28.4	5.7	73.4	194.3	8.5	50.4	129.5
State of Iowa	0.3	2.2	2.1	-1.7	10.3	24.0	0.9	30.1	119.8	2.6	17.7	77.3

### **Total Annual Title XIX Payments**

Nearly \$1.2 billion was paid in Title XIX medical benefits in Iowa in 1996 (Table 3). This was \$44 million more than in 1995 and the highest amount of the period reported. Since 1986, the annual change has been at least \$34 million each year, with the greatest increase (+\$128 million) occurring between 1989 and 1990.

Total 1996 payments were less than \$5 million in 33 counties. In contrast, Polk's figure was nearly \$141 million. Payments in 21 others exceeded \$10 million that year.

Although total payments declined in 24 counties between 1995 and 1996, large increases took place when the 1986-1996 period was examined. Statewide, payments rose \$809 million between 1986 and 1996, an increase of 212 percent. All but five counties (Boone, Buchanan, Mills, Osceola, Plymouth) experienced percentage gains greater than 100. Dollar increases ranged from less than \$500,000 in Osceola to \$100 million in Polk.

When total payments are adjusted for inflation (Table 4), however, the gains, while still substantial, are not as great as when the actual figures were examined. The adjusted amount more than doubled from \$542 million in 1986 to \$1.2 billion in 1996, a gain of 119.8 percent (Table 7). Fourteen counties reported adjusted increases of at least 200 percent, with Johnson highest (+286.5%). Fifteen counties had increases of less than 100 percent, and three (Boone, Mills, Plymouth) noted a decline in total payments after adjusting for inflation.

### **Average Monthly Title XIX Payments Per Person Eligible**

Medical benefits for the state averaged \$438 per person eligible per month in 1996, \$23 higher than in 1995 (Table 5). Among the counties, payments averaged less than \$300 per person eligible in Muscatine, Plymouth, and Scott. Two (Boone, \$1,575; Mills, \$2,288) were substantially higher than all others, results strongly influenced by residents of state facilities located in those counties. The next highest figures were in Audubon, Carroll, Lyon, and O'Brien, the only others above \$600.

Monthly payments per person eligible averaged \$264 higher statewide in 1996 than in 1986. All counties had higher amounts in the later year as well. Most (92) counties increased average monthly benefits per person eligible by at least 100 percent.

When average monthly payments per person eligible for Medicaid benefits are adjusted for the effects of inflation, the increase from 1986 to 1996 was \$191 (Table 6). All counties except Boone, Mills, and Plymouth had gains in adjusted payments per person eligible, with 37 counties increasing by at least 100 percent.

### **Change in Selected Title XIX Figures**

The number eligible for Title XIX benefits increased by 24.0 percent between 1986 and 1996, compared with increases of 77.3 percent in adjusted average monthly payments per person and 119.8 percent in adjusted total benefits (Table 7). Percentages for five- and one-year change periods generally are smaller but in the same direction. Changes differed across the counties, of course. For example, Adams, with a relatively high percentage increase in those eligible, had one of the lowest percentage gains in adjusted payments per person between 1986 and 1996. Crawford and Johnson experienced relatively great percentage gains in both those eligible and total payments. Other combinations are evident when the data are examined in detail.

**Note:** Eligibility requirements for the medical assistance program may vary by year because of revisions in federal codes. Thus, caution is urged in examining year-to-year changes. Also, because of changes in the manner in which recipients are counted, information of that nature published in previous years is not updated this time. We will assess that again before publishing next year's data book.

## **The Family Investment Program (formerly Aid to Families With Dependent Children) in Iowa's Counties: 1980-1996**

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The Iowa Department of Human Services maintains information on the number of families and persons receiving assistance each month in the Family Investment Program (FIP), which formerly was called the Aid to Families With Dependent Children (AFDC) program. To be eligible for the program, a family must have very low assets and income and have at least one dependent child. In Iowa, both one- and two-parent families can qualify for the FIP if they meet the guidelines for assets, income, incapacitation, or unemployment. Families qualify for assistance in either the regular program or the unemployed-parent program. Most families are in the regular program, but there are provisions in the FIP regulations that allow aid to families in which the main worker becomes unemployed. Each family served constitutes a case in the data system maintained by the Department of Human Services; because numbers of people assisted varies across cases, information on the total number receiving benefits also is provided.

For this report, calendar-year monthly averages were computed for cases and recipients in both the regular and unemployed-parent program. Although the current unemployed-parent program started in mid-1982, in this report the data for that program begin with 1983, the first complete calendar year. Two cautions are noted for using these data. Federal and state changes in the eligibility for these programs affect year-to-year comparisons and decade trends; particularly important are legislative mandates that occurred in recent years. In addition, the Department of Human Services changed its method of reporting AFDC recipients in 1987. The recipient averages reported for 1986 and earlier will be somewhat inflated when compared with the averages in 1987 and later years.

### **Regular Family Investment Cases and Recipients**

Iowa averaged nearly 35,700 regular FIP cases monthly in 1994, which was the highest number since 1981. These cases decreased dramatically with new legislation, with 28,700 cases reported per month in 1996 (Table 1). In 1996, 10 counties (Adams, Audubon, Howard, Ida, Mitchell, Osceola, Palo Alto, Pocahontas, Van Buren, Worth) averaged fewer than 50 cases each month. Six others (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) recorded averages above 1,000, with Polk's 4,458 the highest.

The decrease in regular FIP cases occurring from 1995 to 1996 was the second since 1989. All but eleven of Iowa's 99 counties had decreases between 1995 and 1996; Polk's decline (-656) was the largest. Nine other counties reported declines of more than 50 cases.

A 10-year comparison (1986-1996) reveals that Iowa had 6,436 fewer regular cases at the end of the period than at the beginning. All but 12 of Iowa's counties also had fewer cases in 1996 than in 1986, with declines of 400 or more cases in Black Hawk, Linn, Polk, and Woodbury. One other (Dubuque) decreased by at least 370 cases. One county (Johnson) reported a gain of more than 50 cases.

Table 1. Average Monthly Number of Regular Family Investment Program Cases in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	50	50	50	56	57	49	46	39	48	56	69	66	64	60	51	66	66
Adams	47	47	53	47	48	43	36	39	43	52	46	40	30	27	22	33	35
Allamakee	78	86	84	84	81	67	72	79	87	93	105	108	110	109	126	145	144
Appanoose	259	266	273	274	290	297	300	322	326	301	301	307	328	328	304	306	306
Audubon	34	37	42	37	41	42	36	33	37	43	47	47	37	37	40	55	59
Benton	158	183	219	216	225	216	225	199	209	231	217	207	207	197	198	206	182
Black Hawk	2265	2447	2629	2539	2549	2526	2550	2703	2743	2893	2972	2888	2907	2682	2538	2752	2728
Boone	188	219	245	252	248	228	209	229	239	251	263	260	262	275	269	285	285
Bremer	121	142	166	148	126	131	122	124	140	162	180	174	181	157	151	180	168
Buchanan	181	202	223	235	242	248	236	245	257	289	280	282	269	256	248	273	260
Buena Vista	133	147	157	154	157	137	127	130	144	151	166	153	150	146	149	172	162
Butler	98	106	110	102	123	131	122	115	121	121	128	131	120	118	98	123	124
Calhoun	73	79	98	90	92	86	79	93	100	106	99	93	98	95	97	119	114
Carroll	110	124	128	128	122	122	114	122	117	128	116	109	110	105	110	132	131
Cass	134	160	178	170	148	138	137	134	129	133	142	141	140	133	138	188	173
Cedar	108	121	142	124	125	121	122	118	115	128	116	118	105	110	126	151	160
Cerro Gordo	442	489	570	561	558	539	539	534	547	567	558	527	525	540	566	656	627
Cherokee	87	104	113	92	91	97	86	89	92	115	116	108	105	107	104	137	138
Chickasaw	66	77	92	84	75	73	80	90	89	106	106	98	98	94	74	93	101
Clarke	111	126	135	111	105	90	97	90	100	105	105	94	97	105	103	107	97
Clay	110	128	146	152	162	159	154	172	184	195	201	198	194	189	179	208	189
Clayton	58	71	85	89	105	109	102	119	124	121	132	134	139	141	140	153	159
Clinton	729	829	901	925	887	866	834	823	813	831	822	808	752	728	656	680	643
Crawford	157	185	191	168	164	166	162	162	162	163	169	154	156	156	132	147	166
Dallas	214	264	283	292	298	276	275	286	283	309	323	319	335	322	267	305	290
Davis	64	85	94	90	87	85	100	101	99	94	88	99	98	89	83	86	84
Decatur	114	113	124	121	124	114	104	100	102	104	112	105	101	99	103	120	118
Delaware	113	111	113	120	122	119	131	146	169	178	177	167	159	155	156	181	171
Des Moines	620	665	730	732	705	685	674	652	652	679	698	724	699	663	645	741	657
Dickinson	78	92	96	76	82	91	91	107	112	113	109	114	119	126	122	140	147
Dubuque	592	614	749	751	761	749	769	804	865	918	963	971	1011	996	936	968	890
Emmet	66	77	96	101	101	106	115	117	125	146	153	142	128	127	131	147	146
Fayette	223	219	253	265	248	236	203	201	200	206	213	213	213	208	198	227	227



Table 1. Average Monthly Number of Regular Family Investment Program Cases in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	163	183	215	191	190	191	200	209	196	214	214	202	208	208	207	225	210
Franklin	67	82	94	81	86	79	84	92	90	89	92	82	85	83	85	110	126
Fremont	95	109	124	108	92	87	84	95	96	97	98	95	84	78	72	96	102
Greene	85	99	107	92	81	83	82	83	92	92	106	93	94	94	94	117	112
Grundy	55	55	57	65	68	67	63	60	57	60	58	65	64	68	59	76	73
Guthrie	76	91	114	115	116	108	93	99	110	121	105	105	100	97	96	116	127
Hamilton	98	110	143	144	134	132	117	123	138	156	138	131	152	157	153	171	175
Hancock	64	69	87	83	84	73	80	82	82	82	78	78	81	81	83	101	101
Hardin	153	183	218	209	197	174	165	162	172	171	168	160	171	171	175	202	194
Harrison	140	153	167	165	172	156	150	156	168	170	161	176	183	179	168	205	224
Henry	168	194	225	203	188	169	165	165	157	144	156	170	174	174	152	172	177
Howard	43	48	59	60	63	50	54	67	64	71	78	78	81	73	58	69	72
Humboldt	59	63	74	74	69	64	65	75	94	95	91	86	72	72	77	104	102
Ida	42	48	43	41	45	42	29	35	42	50	49	46	33	36	36	43	46
Iowa	70	72	89	74	69	69	73	64	71	80	76	71	63	68	65	79	82
Jackson	161	188	219	205	204	222	220	215	234	249	244	241	242	242	223	212	203
Jasper	251	283	306	325	315	300	291	300	319	359	400	415	403	401	387	438	408
Jefferson	157	173	195	172	168	175	169	166	151	166	148	149	154	171	172	185	195
Johnson	545	571	599	550	492	465	455	449	464	483	476	452	449	427	419	500	469
Jones	132	153	157	152	139	136	145	159	184	198	208	197	191	183	189	207	193
Keokuk	116	115	138	143	133	145	137	139	126	126	119	102	95	91	83	106	106
Kossuth	87	104	124	117	120	119	116	101	108	110	110	99	94	110	121	151	152
Lee	577	601	695	684	699	704	663	640	659	709	707	685	692	692	648	690	633
Linn	1701	1824	2090	2050	2044	1996	1924	1917	2017	2208	2281	2272	2299	2232	2117	2212	2100
Louisa	138	164	177	170	169	151	135	132	145	157	155	150	153	148	145	167	182
Lucas	135	147	144	124	129	130	122	123	128	132	143	143	147	137	136	143	159
Lyon	53	54	55	53	45	38	42	45	52	49	48	49	50	47	46	52	49
Madison	62	79	95	96	95	103	95	103	103	104	105	98	99	100	88	100	105
Mahaska	231	255	278	264	269	278	274	277	274	296	299	279	279	272	258	308	309
Marion	196	243	281	271	256	237	230	228	228	252	258	262	276	272	247	288	297
Marshall	446	480	558	548	533	481	455	452	444	458	438	418	447	424	421	473	485
Mills	170	192	201	163	150	136	137	137	144	149	138	142	134	127	127	167	171
Mitchell	41	43	60	58	60	59	48	54	62	59	61	57	57	59	52	59	63

Table 1. Average Monthly Number of Regular Family Investment Program Cases in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	69	86	107	111	124	134	125	117	129	130	134	119	117	117	124	134	136
Monroe	85	105	126	112	116	123	123	130	139	131	131	123	108	108	101	108	104
Montgomery	129	142	147	158	153	139	124	118	118	140	151	144	137	134	129	142	147
Muscatine	545	608	645	620	625	623	615	618	619	669	688	666	626	600	577	614	604
O'Brien	69	82	86	82	80	71	65	68	83	89	85	78	75	78	69	93	95
Osceola	33	34	37	31	29	30	28	32	32	32	40	37	34	32	30	36	46
Page	179	183	208	198	202	209	208	220	222	218	223	222	212	212	186	222	222
Palo Alto	44	54	71	66	70	66	68	71	75	77	92	101	93	97	96	113	122
Plymouth	98	103	110	95	96	108	98	110	111	118	124	124	121	119	105	140	144
Pocahontas	48	48	62	61	73	67	60	51	55	60	61	71	69	66	65	76	73
Polk	4458	5114	5801	5654	5681	5348	4919	4717	4805	4850	5013	5159	5288	5240	4955	5458	5293
Pottawattamie	1252	1443	1640	1603	1549	1505	1393	1354	1398	1417	1410	1431	1488	1542	1556	1860	1885
Poweshiek	123	143	174	155	156	146	131	120	131	143	152	150	147	144	133	149	141
Ringgold	51	52	52	51	51	51	56	64	63	62	57	63	56	54	52	61	63
Sac	71	80	91	82	88	83	78	81	76	78	85	87	96	92	89	98	95
Scott	2997	3347	3605	3475	3426	3274	3123	3071	3134	3163	3111	3008	2985	2875	2606	2700	2647
Shelby	84	82	76	73	69	76	75	67	80	84	80	84	83	81	79	86	82
Sioux	88	91	96	80	81	79	78	94	92	91	86	88	88	96	90	103	122
Story	354	401	401	379	377	354	335	331	338	379	361	322	296	272	241	294	303
Tama	119	130	152	169	193	178	170	171	188	198	185	181	178	177	179	222	227
Taylor	80	85	105	99	90	94	93	85	86	101	107	103	102	85	74	89	93
Union	168	185	179	189	188	188	191	207	205	216	225	199	202	185	175	198	199
Van Buren	47	59	72	76	72	70	71	72	77	82	82	81	86	83	78	90	95
Wapello	621	651	698	693	703	679	664	693	710	737	731	691	697	642	590	670	665
Warren	253	329	377	350	332	306	287	280	274	306	316	321	326	316	293	353	333
Washington	126	125	153	145	146	145	149	134	149	163	152	147	146	128	142	159	161
Wayne	81	80	85	91	92	76	81	81	77	80	86	95	99	94	92	102	103
Webster	562	625	674	682	684	681	650	633	648	694	685	656	672	658	644	720	728
Winnebago	53	62	84	70	68	67	71	58	50	58	64	67	61	72	72	94	91
Winneshiek	70	78	91	79	81	86	85	84	96	103	111	102	101	96	92	97	85
Woodbury	1140	1305	1538	1652	1757	1726	1665	1635	1716	1770	1783	1786	1811	1775	1732	1987	2012
Worth	33	47	58	63	60	54	55	51	59	76	74	69	67	67	74	79	79
Wright	94	118	124	121	133	123	118	117	121	125	139	137	134	134	126	164	172
State of Iowa	28683	31967	35679	34793	34666	33515	32259	32245	33198	34677	35119	34650	34752	33923	32363	36129	35518

Table 2. Average Monthly Number of Regular Family Investment Program Recipients in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	142	138	136	151	158	146	133	103	129	158	209	201	202	174	138	174	183
Adams	138	137	160	128	143	122	115	118	132	156	141	126	92	81	64	91	99
Allamakee	203	237	237	231	223	178	204	221	241	252	299	310	302	280	323	389	405
Appanoose	667	692	686	710	784	814	801	847	888	832	938	929	989	948	901	881	878
Audubon	84	92	113	103	115	125	108	100	106	113	131	135	106	107	112	153	162
Benton	393	468	573	571	601	599	642	542	566	612	630	591	586	533	529	553	506
Black Hawk	5811	6371	6980	6788	6799	6859	7047	7328	7425	7720	8619	8343	7947	6899	6511	6909	6971
Boone	499	591	656	677	655	590	536	576	609	644	708	732	728	752	732	748	749
Bremer	306	369	427	380	316	336	316	322	373	428	542	497	497	418	393	447	416
Buchanan	461	525	606	623	647	676	634	659	696	756	801	826	771	718	675	710	725
Buena Vista	331	377	393	400	404	352	328	325	367	374	474	444	426	403	415	464	433
Butler	253	284	297	272	337	377	335	322	338	339	384	378	328	304	251	303	338
Calhoun	174	200	246	227	240	238	232	279	279	289	294	263	265	256	258	314	305
Carroll	281	323	340	339	324	327	317	324	307	324	331	302	303	280	297	355	353
Cass	347	417	489	485	407	370	373	369	342	349	397	393	377	366	379	502	463
Cedar	258	297	346	308	315	320	336	315	305	338	323	333	277	301	351	397	419
Cerro Gordo	1086	1215	1429	1411	1449	1418	1449	1416	1429	1461	1593	1500	1443	1416	1487	1713	1647
Cherokee	211	249	286	240	250	274	231	237	248	310	345	315	297	281	271	354	373
Chickasaw	169	205	239	208	193	194	214	234	239	286	298	280	269	248	196	233	264
Clarke	303	343	358	303	293	250	282	263	293	298	309	278	281	292	294	301	273
Clay	273	315	364	380	424	419	406	442	456	484	560	556	520	485	452	533	472
Clayton	142	191	234	243	286	307	304	328	347	344	395	399	407	396	387	423	450
Clinton	1817	2097	2295	2367	2263	2268	2226	2191	2128	2115	2310	2266	2057	1932	1784	1775	1673
Crawford	415	492	516	467	456	459	441	438	435	413	456	418	408	413	361	391	447
Dallas	533	701	766	765	779	741	741	776	766	827	945	934	946	890	746	822	773
Davis	161	218	253	243	237	223	270	271	273	255	259	301	292	252	237	249	237
Decatur	297	289	327	322	319	295	264	257	280	277	304	294	275	276	299	358	344
Delaware	288	304	324	347	338	344	386	414	487	508	546	531	503	453	449	516	484
Des Moines	1612	1755	1931	1970	1900	1887	1893	1799	1790	1810	2012	2092	1956	1816	1780	2013	1814
Dickinson	187	224	239	197	200	233	237	287	303	290	305	331	325	355	354	385	395
Dubuque	1541	1613	1992	1997	2024	2020	2090	2161	2313	2432	2865	2875	2901	2777	2604	2691	2470
Emmet	177	209	258	272	274	300	319	329	355	401	459	426	370	362	359	400	407
Fayette	586	574	691	719	680	651	573	549	533	556	610	615	620	580	550	609	602

Table 2. Average Monthly Number of Regular Family Investment Program Recipients in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	412	474	581	518	504	516	531	551	512	551	618	575	577	570	570	605	552
Franklin	182	222	248	215	222	212	217	250	243	234	280	228	223	219	228	298	348
Fremont	247	298	340	297	255	235	233	253	261	264	288	280	252	231	205	265	289
Greene	210	257	283	248	218	215	220	217	248	246	304	265	256	251	250	313	305
Grundy	136	136	145	180	185	181	174	154	153	160	177	195	183	188	160	192	194
Guthrie	195	234	307	306	308	282	260	277	318	352	314	317	294	290	289	340	371
Hamilton	233	274	369	375	344	340	298	323	373	408	379	354	412	419	412	454	460
Hancock	173	187	244	235	235	199	201	208	212	215	233	222	222	228	223	284	287
Hardin	374	445	563	526	479	427	407	397	440	444	481	443	449	450	487	553	516
Harrison	353	398	445	452	467	445	409	428	456	461	472	518	517	509	472	533	595
Henry	406	482	563	530	479	444	432	445	414	359	439	484	471	463	413	448	478
Howard	103	122	157	154	178	143	154	180	170	193	232	230	221	201	158	188	205
Humboldt	159	176	211	214	198	175	170	198	243	238	245	241	199	193	207	262	259
Ida	102	110	101	103	119	113	75	95	117	137	141	131	97	107	98	110	121
Iowa	182	181	227	188	164	165	180	159	187	204	213	191	162	174	174	205	210
Jackson	408	475	573	534	520	576	574	563	618	653	711	705	707	671	621	576	564
Jasper	625	714	765	826	803	783	739	771	833	933	1132	1152	1096	1050	1041	1178	1110
Jefferson	381	432	494	457	435	466	448	418	378	429	437	433	433	448	455	463	499
Johnson	1364	1431	1556	1432	1267	1108	1187	1138	1186	1192	1359	1246	1187	1070	1028	1209	1142
Jones	337	397	421	412	376	367	390	434	502	533	585	541	522	457	486	529	503
Keokuk	310	302	359	385	346	390	380	405	369	352	360	316	298	258	220	284	273
Kossuth	231	278	330	316	316	303	298	257	277	282	320	296	275	309	340	423	423
Lee	1504	1564	1871	1857	1888	1932	1830	1746	1806	1895	2028	1944	1950	1931	1808	1838	1729
Linn	4321	4718	5403	5288	5265	5248	5128	5067	5308	5716	6610	6538	6308	5811	5643	5804	5553
Louisa	372	431	469	462	464	424	385	364	398	421	472	449	456	428	412	469	512
Lucas	353	390	372	327	339	344	320	317	341	368	427	421	438	397	389	413	465
Lyon	138	137	145	143	129	112	131	126	143	134	145	142	147	131	124	140	133
Madison	148	205	261	244	238	268	262	287	279	265	299	262	257	263	241	267	273
Mahaska	589	635	708	682	694	732	718	716	714	759	858	801	776	730	696	812	819
Marion	507	631	730	724	690	630	620	621	613	667	753	766	772	775	691	787	810
Marshall	1169	1256	1516	1485	1440	1311	1238	1222	1199	1201	1351	1272	1249	1099	1127	1265	1324
Mills	443	486	539	433	391	360	370	371	398	419	419	441	395	362	378	497	478
Mitchell	99	103	146	144	153	152	118	133	159	146	154	143	140	152	146	156	160

Table 2. Average Monthly Number of Regular Family Investment Program Recipients in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	164	210	270	293	333	358	332	319	351	358	397	348	323	321	345	362	367
Monroe	211	274	342	305	312	345	347	355	373	347	362	342	308	303	286	297	286
Montgomery	332	377	374	392	396	371	337	308	302	358	406	387	362	354	350	370	396
Muscatine	1383	1600	1739	1715	1756	1753	1734	1721	1697	1797	1946	1896	1710	1623	1571	1634	1611
O'Brien	171	206	218	212	211	186	175	184	229	237	255	224	202	200	184	248	249
Osceola	92	102	111	95	87	92	87	94	90	88	120	113	89	92	82	98	122
Page	455	483	554	517	543	568	573	592	582	581	627	602	573	560	500	580	582
Palo Alto	109	143	190	192	211	194	200	200	215	206	273	294	254	259	275	311	338
Plymouth	233	247	268	237	237	271	257	293	304	305	359	330	321	319	287	382	379
Pocahontas	125	132	174	167	193	190	148	132	150	158	165	192	203	191	188	219	207
Polk	11616	13471	15616	15220	15308	14605	13706	12858	12992	12814	14463	14672	14794	14345	13703	15084	14704
Pottawattamie	3332	3872	4453	4385	4229	4123	3860	3695	3788	3759	4015	4099	4152	4260	4320	5130	5213
Poweshiek	314	376	458	401	398	394	366	326	360	378	419	425	398	386	357	392	377
Ringgold	127	135	135	126	126	138	145	170	175	171	158	188	167	151	143	170	169
Sac	186	201	231	214	230	219	217	215	193	192	235	244	254	236	232	262	248
Scott	8006	8967	9693	9445	9440	9173	8899	8640	8759	8647	9447	8962	8569	7946	7240	7425	7330
Shelby	212	212	196	189	185	201	200	179	218	220	219	241	232	222	222	238	211
Sioux	232	236	245	205	220	221	223	264	267	264	262	273	253	280	277	282	335
Story	888	1015	1022	956	964	915	882	861	877	943	976	883	779	707	650	791	812
Tama	320	346	399	441	514	487	461	448	484	519	507	499	501	475	489	598	600
Taylor	221	233	268	251	240	268	265	239	242	276	332	306	294	236	206	252	251
Union	435	488	480	499	501	509	529	578	559	597	658	585	565	501	480	532	522
Van Buren	129	161	195	220	199	203	213	196	213	220	243	234	247	235	225	257	279
Wapello	1597	1663	1837	1792	1830	1778	1772	1847	1897	1941	2091	1987	2003	1773	1593	1754	1713
Warren	613	808	942	869	830	784	734	723	718	801	894	919	872	819	788	918	852
Washington	328	326	394	379	394	386	410	380	427	445	454	428	437	354	371	402	402
Wayne	200	211	239	259	261	216	239	232	226	219	251	275	273	262	257	274	280
Webster	1445	1630	1808	1814	1825	1830	1752	1676	1727	1824	1973	1857	1867	1777	1775	1951	2019
Winnebago	141	163	227	191	180	183	195	160	135	148	203	206	169	182	185	250	232
Winneshiek	166	192	218	198	212	235	230	229	261	276	346	323	305	258	244	269	223
Woodbury	2918	3441	4155	4498	4828	4859	4739	4564	4772	4789	5315	5353	5184	4922	4753	5424	5536
Worth	85	132	154	168	153	146	148	140	157	197	227	202	197	191	208	217	211
Wright	244	306	336	315	357	337	322	316	318	339	403	389	381	365	348	443	472
State of Iowa	73937	83448	94568	92685	92638	90931	88573	87362	89702	91994	102025	100033	97240	91979	88259	97126	96020

Table 3. Average Monthly Number of Unemployed-Parent Family Investment Program Cases in Iowa Counties, 1983-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	12	8	7	6	4	2	1	1	5	7	10	8	6	6
Adams	9	10	13	12	10	8	5	5	6	8	9	8	7	6
Allamakee	7	7	9	4	2	6	3	5	6	9	17	18	14	10
Appanoose	47	54	60	46	46	39	33	31	51	67	83	92	87	65
Audubon	2	6	7	3	4	6	3	3	5	6	7	7	3	2
Benton	25	32	35	24	17	18	10	13	20	25	27	38	42	37
Black Hawk	154	162	179	135	124	135	140	179	275	432	511	464	426	203
Boone	25	38	51	33	23	16	13	24	31	37	45	43	43	29
Bremer	16	16	20	12	14	18	16	12	23	39	44	44	40	30
Buchanan	34	35	45	22	19	24	25	33	57	89	111	103	83	65
Buena Vista	11	11	13	10	8	8	9	10	13	24	31	20	13	14
Butler	10	15	18	13	16	14	19	21	28	39	44	43	38	24
Calhoun	9	11	13	6	9	7	7	4	11	19	24	20	15	10
Carroll	8	7	8	5	5	6	6	6	5	9	12	13	17	15
Cass	17	25	28	11	12	11	9	5	8	20	27	29	17	11
Cedar	19	16	27	20	20	19	18	20	28	33	38	29	25	28
Cerro Gordo	49	55	66	40	37	36	28	23	35	48	74	59	49	60
Cherokee	6	6	9	4	3	2	2	1	4	7	8	8	10	6
Chickasaw	12	11	14	7	7	7	7	6	13	26	30	30	26	15
Clarke	20	23	19	10	15	15	10	7	11	21	25	25	14	19
Clay	8	10	13	7	6	7	8	5	12	23	32	32	20	20
Clayton	9	9	11	5	7	7	6	9	15	20	27	24	18	22
Clinton	97	104	123	70	67	76	67	71	95	157	216	229	191	142
Crawford	18	15	19	8	9	11	11	11	8	12	11	12	7	10
Dallas	18	28	36	19	19	15	14	14	16	37	47	44	35	24
Davis	7	10	7	6	6	9	9	13	19	33	34	36	35	30
Decatur	20	21	24	10	13	11	7	8	9	13	20	16	15	15
Delaware	14	18	21	12	13	11	15	24	34	49	62	59	49	45
Des Moines	66	66	75	54	42	43	45	40	33	56	83	83	76	76
Dickinson	16	16	12	7	5	6	5	9	8	12	11	11	9	10
Dubuque	80	78	99	64	62	74	75	89	125	196	236	249	246	205
Emmet	7	11	16	14	13	12	10	11	13	22	28	22	18	15
Fayette	39	36	38	31	28	25	25	30	43	63	72	58	50	39
Floyd	26	44	44	26	24	21	20	18	30	46	61	49	40	33
Franklin	10	14	15	5	10	11	10	12	7	8	9	13	14	14
Fremont	18	17	14	7	7	7	3	5	5	9	17	17	12	8
Greene	12	17	16	14	11	11	7	5	9	13	20	22	21	13
Grundy	6	9	7	6	7	8	7	9	12	16	19	11	14	8
Guthrie	14	12	15	10	7	5	6	8	12	18	23	19	26	20
Hamilton	12	15	23	15	16	18	12	8	10	21	29	22	19	17
Hancock	2	3	7	3	5	8	5	2	6	14	17	15	7	11
Hardin	21	23	30	11	11	12	8	10	15	17	19	23	17	15
Harrison	18	18	28	17	13	16	14	8	14	17	19	17	25	23
Henry	21	24	33	20	18	19	18	13	15	23	26	38	32	28
Howard	2	3	7	6	6	8	7	4	4	8	11	17	17	17
Humboldt	6	8	7	6	7	7	11	6	6	12	18	17	10	13
Ida	3	3	3	0	0	1	0	0	1	2	4	1	2	2
Iowa	6	6	9	6	5	5	4	2	3	9	15	14	10	13
Jackson	23	28	41	32	27	32	28	39	61	83	112	100	89	68
Jasper	28	37	44	23	17	15	22	19	26	41	51	49	59	67

Table 3. Average Monthly Number of Unemployed-Parent Family Investment Program Cases in Iowa Counties, 1983-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	28	42	48	33	28	23	22	19	22	26	36	35	35	27
Johnson	56	50	46	25	19	17	17	13	17	27	30	24	18	20
Jones	18	23	24	16	16	14	12	12	16	20	33	33	32	33
Keokuk	18	21	19	15	17	19	19	17	21	31	36	32	24	19
Kossuth	15	16	18	13	12	10	12	10	10	14	16	16	14	12
Lee	61	75	101	61	51	53	45	46	62	82	99	116	117	87
Linn	142	173	200	126	130	140	114	109	183	282	336	326	303	264
Louisa	23	22	27	16	17	20	17	18	15	24	34	41	44	27
Lucas	24	23	30	12	12	12	13	14	17	20	28	30	31	28
Lyon	4	4	1	1	1	0	0	2	4	8	8	10	8	10
Madison	8	12	11	6	9	5	4	7	5	14	18	20	20	19
Mahaska	33	24	30	26	36	33	31	20	24	37	48	45	42	46
Marion	29	41	43	30	25	26	22	22	36	51	66	48	49	48
Marshall	42	54	58	45	42	35	32	25	38	64	74	67	66	44
Mills	27	25	22	10	13	10	12	8	13	22	20	24	10	14
Mitchell	4	4	4	4	2	3	2	2	6	7	7	8	9	7
Monona	9	6	12	9	12	16	11	11	16	26	30	28	27	21
Monroe	15	20	18	15	12	11	10	15	26	32	41	33	25	23
Montgomery	21	21	27	15	11	8	7	6	10	13	20	24	10	9
Muscatine	95	103	109	75	66	73	79	77	96	121	132	112	94	62
O'Brien	10	14	10	7	10	3	1	1	3	11	14	11	12	9
Osceola	4	3	3	2	1	2	2	2	3	4	8	9	7	4
Page	36	32	42	31	26	24	16	21	26	35	46	38	30	29
Palo Alto	7	10	10	7	4	4	5	4	7	16	24	24	18	17
Plymouth	9	9	9	4	4	3	3	6	13	14	19	16	11	10
Pocahontas	9	11	7	8	5	4	8	5	3	8	14	12	11	6
Polk	316	332	332	150	162	158	137	135	148	225	283	287	285	298
Pottawattamie	103	115	137	84	81	68	45	35	35	49	68	69	68	75
Poweshiek	21	20	15	10	16	12	8	8	13	26	39	34	28	27
Ringgold	12	15	16	8	7	6	4	7	13	18	18	18	14	14
Sac	12	12	16	8	7	5	4	5	6	7	11	12	10	10
Scott	229	274	283	187	156	165	181	196	249	356	395	410	364	206
Shelby	7	13	15	7	8	6	8	4	6	9	15	12	9	7
Sioux	10	11	5	2	5	4	4	3	4	8	15	10	5	4
Story	66	70	76	31	28	29	15	11	15	31	32	35	25	23
Tama	12	13	17	12	12	15	9	6	8	19	28	29	26	20
Taylor	14	10	11	5	4	7	9	10	11	11	15	20	15	17
Union	24	22	26	15	16	17	11	13	17	25	32	38	29	24
Van Buren	11	7	9	8	6	7	8	9	12	17	20	28	23	20
Wapello	95	103	112	82	88	94	78	83	126	185	179	133	117	107
Warren	16	21	22	12	17	17	19	18	24	34	43	52	58	49
Washington	17	19	20	11	6	10	10	10	20	22	27	26	16	11
Wayne	17	13	14	9	8	6	8	10	14	19	22	22	23	18
Webster	58	73	86	63	52	52	47	46	45	93	115	99	94	66
Winnebago	7	7	7	5	5	4	5	5	7	10	15	11	6	11
Winneshiek	11	13	16	14	13	7	10	11	20	28	27	28	25	22
Woodbury	64	64	79	50	55	60	47	37	50	95	122	106	102	99
Worth	6	8	7	8	5	6	7	6	6	10	12	14	13	12
Wright	14	11	16	9	10	13	7	3	5	14	19	17	14	12
State of Iowa	3000	3336	3741	2334	2222	2244	2033	2072	2837	4331	5308	5108	4587	3724

Table 4. Average Monthly Number of Unemployed-Parent Family Investment Program Recipients in Iowa Counties, 1983-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	49	36	38	28	18	8	5	8	25	26	50	36	25	21
Adams	35	38	52	50	44	39	25	21	27	32	40	33	28	22
Allamakee	27	24	36	14	12	30	12	21	22	38	82	82	61	37
Appanoose	191	217	254	196	190	159	137	128	199	255	377	396	366	244
Audubon	9	24	32	13	18	23	12	11	23	31	40	34	12	6
Benton	112	142	144	97	75	77	44	56	86	99	127	200	185	130
Black Hawk	620	663	737	563	516	553	601	746	1126	1707	2308	2127	1768	621
Boone	102	155	207	141	105	70	54	109	146	166	207	192	184	103
Bremer	63	63	78	46	51	74	70	51	94	156	213	218	183	104
Buchanan	144	158	192	88	81	99	111	143	253	382	515	472	353	245
Buena Vista	42	42	49	39	29	33	33	39	52	95	163	101	52	45
Butler	42	68	75	46	61	56	70	80	110	154	194	177	159	89
Calhoun	37	46	55	28	36	29	32	17	46	81	117	90	66	41
Carroll	31	27	39	25	19	23	24	25	16	31	52	54	64	50
Cass	67	102	119	45	56	46	37	18	37	83	117	119	63	35
Cedar	68	58	102	76	80	82	80	85	112	126	157	119	105	108
Cerro Gordo	196	221	265	172	162	150	117	95	140	180	315	259	191	214
Cherokee	22	21	32	14	11	8	9	6	17	28	40	37	45	19
Chickasaw	41	43	55	29	27	26	27	21	56	102	133	141	119	53
Clarke	82	97	83	43	61	60	45	30	45	84	105	109	58	63
Clay	33	39	57	34	24	24	30	19	45	93	149	134	78	74
Clayton	35	38	51	22	29	28	23	39	59	77	122	114	71	76
Clinton	372	386	472	269	273	306	277	286	385	624	940	997	790	524
Crawford	81	71	85	29	37	48	45	41	33	41	50	53	29	36
Dallas	71	111	144	71	72	63	57	57	62	145	202	178	135	81
Davis	27	37	26	17	20	36	38	50	77	130	156	156	149	114
Decatur	77	83	97	36	51	43	27	29	38	55	90	66	63	54
Delaware	64	78	81	49	60	51	69	109	146	205	285	264	228	171
Des Moines	268	262	298	213	157	185	191	170	138	218	387	393	333	300
Dickinson	72	69	45	27	19	25	22	38	37	52	54	50	38	35
Dubuque	322	328	414	255	252	314	331	390	570	838	1072	1139	1099	780
Emmet	28	51	69	55	51	52	48	48	60	91	156	126	88	66
Fayette	159	152	164	131	117	103	104	125	181	261	347	292	227	141
Floyd	107	183	177	104	99	85	79	76	127	191	276	243	183	128
Franklin	34	51	60	24	40	42	41	46	27	31	40	56	53	48
Fremont	77	70	58	30	29	28	12	20	21	33	65	70	51	33
Greene	49	74	64	53	44	41	28	23	37	55	90	98	87	54
Grundy	22	40	31	24	26	39	28	38	46	64	80	43	52	25
Guthrie	52	52	62	45	27	19	25	31	46	73	109	93	119	83
Hamilton	47	61	94	67	78	79	51	35	46	79	127	93	77	65
Hancock	7	12	30	12	20	32	22	11	23	57	72	66	26	37
Hardin	73	84	125	48	46	51	35	43	65	69	80	97	77	56
Harrison	74	73	123	73	54	69	60	30	50	65	88	81	113	89
Henry	79	95	134	80	72	79	71	58	63	90	110	176	133	96
Howard	10	13	32	26	25	33	27	14	15	31	61	84	70	68
Humboldt	18	30	30	22	29	30	50	24	25	49	75	71	39	48
Ida	11	11	12	2	0	2	1	0	4	9	18	4	7	6
Iowa	27	25	36	19	21	22	17	10	13	40	88	65	41	44
Jackson	93	114	164	135	113	136	122	170	269	347	498	451	379	240
Jasper	105	145	170	91	66	57	92	76	105	156	212	205	228	233



Table 4. Average Monthly Number of Unemployed-Parent Family Investment Program Recipients in Iowa Counties, 1983-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	105	159	192	136	112	92	91	79	93	100	155	156	148	99
Johnson	210	197	173	96	73	73	72	49	68	96	164	139	73	73
Jones	73	98	98	60	62	57	52	48	64	79	154	164	135	107
Keokuk	74	82	81	65	77	83	81	71	85	128	174	143	104	69
Kossuth	58	67	84	53	50	49	54	46	37	58	79	70	56	41
Lee	242	295	398	249	212	209	180	186	256	327	446	517	481	321
Linn	587	704	832	523	550	586	497	455	782	1099	1540	1507	1254	882
Louisa	97	88	111	68	67	81	69	76	64	97	162	178	185	99
Lucas	92	92	119	51	51	51	50	53	66	82	130	135	136	94
Lyon	13	17	5	4	2	0	0	7	18	34	35	46	37	43
Madison	31	50	47	25	35	23	17	30	24	56	77	84	81	71
Mahaska	129	85	115	101	142	133	128	81	91	130	219	203	160	159
Marion	110	168	171	120	95	98	80	87	149	205	293	211	197	178
Marshall	159	205	229	175	162	141	135	105	158	258	382	362	272	156
Mills	103	98	89	41	56	42	47	32	59	89	93	106	48	53
Mitchell	17	16	11	15	8	10	9	11	27	27	32	36	39	26
Monona	34	26	52	40	49	64	46	47	67	105	129	115	122	83
Monroe	61	81	76	60	49	43	38	58	100	120	169	146	103	85
Montgomery	84	82	106	62	39	28	28	23	41	54	83	103	42	29
Muscatine	377	422	472	320	280	318	344	323	402	517	595	513	406	235
O'Brien	40	60	42	29	40	13	5	7	17	48	68	52	47	31
Osceola	18	13	13	10	6	8	9	6	13	20	42	41	31	16
Page	140	124	167	120	100	89	64	86	99	135	196	163	132	113
Palo Alto	28	45	39	25	17	20	24	18	28	66	125	123	77	60
Plymouth	34	36	35	15	16	13	14	26	53	58	85	72	46	33
Pocahontas	32	43	29	31	18	17	34	25	13	35	63	51	46	24
Polk	1292	1379	1419	657	696	678	619	598	629	892	1246	1271	1225	1122
Pottawattamie	397	461	540	341	330	285	206	150	154	193	291	297	276	269
Poweshiek	79	79	62	44	69	51	34	35	59	110	207	172	121	98
Ringgold	47	59	67	35	29	27	19	30	51	69	90	89	52	51
Sac	48	52	63	35	31	23	15	21	25	26	53	53	45	39
Scott	950	1122	1204	795	666	717	813	845	1052	1458	1785	1841	1569	792
Shelby	24	49	56	23	32	27	34	13	24	35	61	51	38	24
Sioux	38	42	20	8	22	15	17	20	28	49	77	50	19	13
Story	256	273	302	124	107	113	60	45	56	109	125	142	96	76
Tama	50	50	69	45	49	62	38	27	31	70	127	131	109	79
Taylor	63	46	49	21	18	29	40	36	45	48	81	98	56	55
Union	100	91	108	62	63	68	45	56	69	101	167	178	126	85
Van Buren	50	36	35	32	24	29	38	40	57	71	97	133	104	74
Wapello	387	410	433	326	358	377	315	334	514	708	787	589	486	384
Warren	68	92	90	51	74	74	82	75	95	134	195	230	228	168
Washington	66	77	80	44	27	49	39	40	87	82	126	110	61	46
Wayne	71	62	59	35	33	26	32	41	54	72	101	97	93	64
Webster	238	311	363	267	219	226	216	190	180	367	487	426	377	223
Winnebago	28	27	28	18	17	16	18	18	28	36	65	51	22	43
Winneshiek	44	53	61	55	51	27	42	47	88	114	127	117	94	78
Woodbury	265	268	346	211	238	266	213	155	220	389	636	531	439	380
Worth	23	27	26	29	19	23	30	27	25	37	55	58	51	39
Wright	56	44	73	38	40	58	30	13	20	58	79	70	57	42
State of Iowa	12055	13539	15382	9595	9181	9371	8724	8705	11906	17374	24204	23172	19350	13473

Table 5. Total Annual Regular Family Investment Program Payments (in \$1,000) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	205	213	205	242	249	230	206	164	188	231	280	251	259	247	191	239	244
Adams	190	190	234	201	215	193	169	183	197	222	191	165	125	112	87	125	130
Allamakee	321	374	369	367	357	268	313	338	360	370	426	430	417	394	452	517	506
Appanoose	1039	1110	1145	1191	1289	1352	1333	1379	1370	1255	1262	1235	1325	1326	1240	1186	1120
Audubon	124	143	164	155	171	188	158	148	156	178	189	179	144	148	150	198	218
Benton	606	721	909	935	983	974	1016	856	879	937	884	817	835	797	777	775	683
Black Hawk	9085	9997	11098	11040	11091	11232	11210	11503	11436	11845	12292	11363	11447	10437	9751	10129	9980
Boone	767	911	1074	1137	1106	1011	900	971	991	1021	1056	1016	1036	1088	1059	1049	998
Bremer	450	552	662	615	521	555	523	514	559	641	740	674	699	612	581	663	577
Buchanan	705	796	915	991	1048	1097	1035	1052	1058	1168	1153	1110	1055	986	950	1009	959
Buena Vista	499	577	627	652	664	575	540	523	583	602	676	606	595	566	566	626	570
Butler	371	431	466	439	532	600	540	500	511	507	520	495	458	434	359	455	449
Calhoun	254	290	376	372	391	389	358	416	415	444	420	358	367	358	360	426	411
Carroll	411	498	528	541	516	522	505	511	465	502	460	413	415	397	408	452	439
Cass	509	631	738	747	646	619	600	569	520	527	579	553	541	513	512	672	625
Cedar	398	469	545	508	524	525	528	501	476	530	469	466	430	443	499	550	572
Cerro Gordo	1692	1944	2311	2376	2415	2371	2361	2250	2227	2315	2306	2089	2055	2109	2190	2421	2276
Cherokee	321	382	454	385	382	420	360	364	374	461	465	398	395	403	380	466	483
Chickasaw	250	311	376	341	313	317	336	372	367	433	427	387	385	367	283	333	359
Clarke	456	536	565	483	459	410	446	399	429	442	452	375	394	416	402	405	368
Clay	415	507	584	640	684	704	653	711	720	789	812	762	738	717	650	749	654
Clayton	223	287	367	402	471	493	463	508	517	514	556	537	555	558	542	564	571
Clinton	2846	3325	3765	4001	3858	3820	3704	3521	3317	3310	3361	3183	2966	2795	2545	2477	2273
Crawford	647	778	811	754	723	741	702	692	671	640	663	586	579	589	494	527	591
Dallas	856	1121	1265	1319	1331	1232	1212	1245	1175	1270	1334	1259	1314	1260	1047	1092	1045
Davis	242	342	391	404	385	375	429	435	416	379	358	393	390	354	319	333	306
Decatur	417	416	502	525	536	499	438	411	416	425	439	405	390	382	406	479	464
Delaware	433	444	472	524	529	533	586	620	704	750	767	705	665	629	638	683	627
Des Moines	2496	2738	3110	3244	3155	3091	3017	2806	2726	2749	2806	2795	2743	2571	2484	2711	2416
Dickinson	300	362	386	314	339	390	397	452	450	458	441	429	449	496	477	517	528
Dubuque	2272	2457	3123	3270	3304	3286	3403	3537	3746	3916	4065	3930	4067	3970	3648	3667	3343
Emmet	252	306	420	441	440	461	499	499	521	617	644	562	497	505	503	542	534
Fayette	908	901	1077	1154	1092	1051	897	852	818	835	867	831	839	800	752	826	803

Table 5. Total Annual Regular Family Investment Program Payments (in \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	623	739	900	842	820	848	861	862	790	847	869	784	796	805	799	823	739
Franklin	265	319	378	344	370	353	347	396	388	378	400	325	320	318	313	390	447
Fremont	357	442	506	470	399	373	359	389	390	395	398	376	341	307	276	343	382
Greene	327	404	442	391	351	350	352	341	366	367	415	347	356	357	351	422	404
Grundy	211	223	234	292	309	306	289	245	233	247	238	254	255	260	235	279	259
Guthrie	284	359	463	490	495	452	403	426	454	512	422	417	394	381	369	427	459
Hamilton	367	447	603	622	577	572	484	492	559	633	540	484	557	585	561	615	603
Hancock	245	269	371	377	377	323	334	339	330	333	328	297	308	310	311	352	356
Hardin	562	695	878	864	799	717	691	656	676	684	684	631	671	660	684	743	678
Harrison	532	601	667	700	734	684	649	636	681	681	656	680	703	689	644	716	767
Henry	615	728	858	852	781	714	684	678	640	578	618	647	670	674	577	619	638
Howard	144	176	228	244	279	230	241	283	264	296	324	301	307	275	208	239	258
Humboldt	232	245	285	325	310	286	281	306	370	373	354	328	279	272	285	355	352
Ida	144	169	154	167	186	171	115	141	173	198	195	177	136	147	129	143	149
Iowa	260	260	328	298	279	280	298	257	293	315	305	267	232	252	234	279	286
Jackson	623	734	923	885	871	958	953	904	973	1024	999	967	994	969	871	787	764
Jasper	950	1119	1238	1396	1328	1297	1211	1211	1278	1447	1605	1569	1520	1516	1462	1632	1544
Jefferson	599	673	788	754	748	789	733	683	583	660	590	570	606	658	654	653	698
Johnson	2122	2264	2463	2353	2126	1996	1956	1899	1943	2027	1977	1778	1778	1678	1640	1892	1696
Jones	524	620	654	658	616	604	617	679	761	825	858	768	756	707	713	752	691
Keokuk	464	468	561	623	589	654	600	612	531	504	491	419	388	363	312	384	375
Kossuth	333	412	507	503	497	499	481	406	422	432	436	374	348	413	448	563	559
Lee	2276	2362	2918	2984	3066	3137	2943	2728	2759	2899	2897	2664	2700	2697	2493	2508	2322
Linn	6690	7253	8577	8724	8803	8763	8391	8190	8483	9129	9494	9033	9156	8745	8205	8368	7749
Louisa	545	674	750	744	750	684	621	568	605	651	657	602	619	588	561	624	675
Lucas	559	614	600	538	568	571	538	501	506	532	583	554	573	541	521	521	590
Lyon	200	210	221	218	184	162	181	186	218	200	193	185	192	178	160	190	172
Madison	234	312	396	404	403	451	428	452	423	407	413	359	351	359	319	364	375
Mahaska	914	1021	1168	1154	1199	1209	1176	1159	1097	1193	1218	1088	1100	1076	1011	1139	1109
Marion	721	931	1155	1184	1128	1040	1016	992	987	1050	1097	1051	1099	1101	974	1007	1095
Marshall	1786	1950	2370	2421	2400	2159	2034	1967	1895	1917	1848	1681	1806	1693	1638	1777	1840
Mills	651	736	804	689	628	576	580	566	589	611	580	572	530	501	519	618	630
Mitchell	149	169	236	241	259	247	196	222	256	233	240	206	210	212	192	210	217

Table 5. Total Annual Regular Family Investment Program Payments (in \$1,000) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	232	306	420	467	537	582	537	474	517	540	571	462	441	444	477	487	493
Monroe	320	413	523	491	502	559	542	542	563	518	530	470	422	416	391	396	378
Montgomery	510	559	591	661	665	628	552	482	471	565	605	541	511	502	479	504	510
Muscatine	2253	2548	2798	2795	2841	2840	2791	2678	2591	2773	2852	2640	2471	2361	2241	2257	2234
O'Brien	248	306	327	335	334	301	276	287	333	353	338	297	279	287	257	321	326
Osceola	132	139	163	146	140	141	125	134	124	120	160	144	129	125	107	131	159
Page	670	716	837	825	868	913	890	915	887	874	881	823	798	794	692	768	770
Palo Alto	159	211	292	297	317	299	314	300	301	309	361	387	341	348	359	416	437
Plymouth	342	377	414	401	395	451	408	462	448	468	490	463	462	447	398	505	489
Pocahontas	189	189	258	267	317	303	241	200	219	236	240	264	266	254	237	265	254
Polk	17992	21317	25235	25424	25712	24517	22482	20561	20187	19997	20629	20222	20915	20608	19564	20815	19808
Pottawattamie	5066	5939	6924	7026	6840	6686	6181	5776	5735	5706	5739	5532	5798	6033	6038	7000	7064
Poweshiek	482	564	725	670	661	642	586	498	531	574	608	578	576	559	512	548	496
Ringgold	195	198	211	209	220	232	240	273	274	270	236	259	229	208	194	207	216
Sac	272	301	364	349	371	354	339	330	303	306	339	334	361	351	331	352	337
Scott	12130	13947	15617	15634	15564	15068	14370	13684	13571	13378	13198	12154	12039	11541	10350	10281	9977
Shelby	318	329	314	300	299	324	310	273	301	321	297	306	309	301	307	312	282
Sioux	346	341	363	342	355	350	333	399	377	375	348	348	340	378	363	372	434
Story	1413	1654	1706	1639	1652	1575	1496	1464	1451	1543	1483	1284	1181	1030	934	1123	1123
Tama	480	515	621	716	838	783	740	701	752	803	743	700	682	666	673	825	825
Taylor	300	315	418	417	385	425	411	365	357	414	463	413	417	318	265	312	322
Union	680	763	762	831	831	833	824	921	870	892	933	797	821	735	691	736	711
Van Buren	184	245	312	354	326	327	334	311	326	344	347	323	350	343	320	344	370
Wapello	2496	2613	2940	3001	3082	3005	2880	2947	2944	2981	2947	2679	2739	2527	2295	2460	2363
Warren	895	1266	1511	1499	1425	1320	1229	1198	1163	1250	1280	1240	1234	1217	1133	1325	1175
Washington	484	465	614	610	639	622	627	569	615	673	636	575	584	496	539	590	559
Wayne	327	320	350	402	400	337	377	345	322	323	349	365	379	364	346	374	378
Webster	2182	2513	2827	2967	2992	2989	2823	2608	2609	2777	2732	2484	2545	2470	2421	2626	2620
Winnebago	207	237	346	307	295	288	309	242	201	229	263	255	230	260	262	338	315
Winneshiek	279	303	359	313	333	370	371	355	406	426	448	398	384	349	339	353	310
Woodbury	4505	5273	6452	7243	7785	7796	7452	7089	7289	7408	7419	7153	7188	7020	6782	7547	7624
Worth	120	187	247	282	264	231	239	207	236	314	319	270	268	264	294	282	276
Wright	358	468	514	469	562	551	519	495	492	500	570	537	522	512	470	590	628
State of Iowa	113236	129496	150015	152185	152698	149622	143031	138255	138441	142426	144631	136206	136831	132597	125447	124474	130266

Table 6. Total Annual Unemployed-Parent Family Investment Program Payments (in \$1,000) in Iowa Counties, 1983-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	57	40	37	33	20	9	6	6	24	32	51	38	27	30
Adams	40	47	61	59	53	45	33	28	30	36	42	34	32	27
Allamakee	31	30	43	16	13	37	16	28	29	51	90	89	65	44
Appanoose	211	236	283	239	241	206	169	153	233	319	403	414	415	302
Audubon	10	24	31	16	20	24	15	15	25	34	38	36	12	7
Benton	103	136	157	117	85	90	53	60	99	124	132	184	209	169
Black Hawk	667	731	840	692	627	702	732	913	1351	2073	2492	2153	1992	898
Boone	117	178	239	178	136	86	67	136	172	198	225	201	217	130
Bremer	65	65	83	54	68	90	89	62	116	187	231	209	189	123
Buchanan	153	171	196	107	101	120	140	167	294	447	567	479	397	274
Buena Vista	46	48	57	50	37	44	42	46	57	113	160	100	60	63
Butler	38	73	85	61	81	69	95	102	129	184	208	191	178	101
Calhoun	33	39	51	32	47	37	39	19	53	92	118	93	71	45
Carroll	34	32	39	27	23	31	26	27	22	42	53	55	73	62
Cass	66	98	106	44	64	57	45	19	40	95	136	132	76	46
Cedar	73	58	89	93	104	107	100	106	125	161	184	127	123	121
Cerro Gordo	193	215	300	209	196	191	142	117	164	219	343	272	232	253
Cherokee	26	26	39	19	15	11	11	7	23	35	39	35	41	25
Chickasaw	46	43	61	34	32	31	33	22	63	124	140	144	127	67
Clarke	93	118	102	54	74	74	49	38	53	100	121	119	69	83
Clay	36	45	62	40	31	32	41	28	52	113	161	144	91	92
Clayton	37	36	56	26	39	39	30	49	74	97	128	123	80	98
Clinton	406	416	522	339	350	396	333	349	443	734	1028	1045	898	610
Crawford	100	72	87	42	51	66	54	53	42	55	55	59	35	44
Dallas	70	122	166	98	98	86	77	72	74	171	227	191	163	103
Davis	33	41	29	23	28	48	49	64	92	162	170	175	169	136
Decatur	85	91	105	44	66	57	36	39	50	68	109	74	70	64
Delaware	70	77	85	58	71	56	80	115	169	244	316	277	242	197
Des Moines	271	295	342	262	195	222	233	201	158	266	409	384	379	357
Dickinson	74	67	57	35	25	31	24	40	40	55	53	42	37	41
Dubuque	308	314	427	296	296	376	396	463	641	978	1146	1162	1169	886
Emmet	25	45	73	65	62	60	55	59	68	112	142	109	96	68
Fayette	166	158	177	163	150	136	123	157	225	328	369	290	244	174

Table 6. Total Annual Unemployed-Parent Family Investment Program Payments (in \$1,000) in Iowa Counties, 1983-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Floyd	116	201	195	127	125	106	105	88	140	215	283	231	184	140
Franklin	34	52	57	25	47	53	48	56	35	38	46	57	59	60
Fremont	70	60	50	35	34	34	14	24	25	40	79	78	56	39
Greene	57	81	69	68	51	54	32	29	44	65	95	103	98	56
Grundy	26	45	35	29	29	44	38	49	55	76	86	50	58	32
Guthrie	56	61	66	52	34	25	31	40	56	87	113	91	126	88
Hamilton	46	58	100	80	90	94	61	40	54	98	138	96	83	73
Hancock	8	12	32	14	23	38	29	11	25	62	80	65	28	46
Hardin	87	105	135	63	58	60	40	50	72	83	84	107	84	65
Harrison	73	69	112	79	66	77	75	38	63	77	92	75	120	102
Henry	78	97	141	94	82	91	89	64	76	108	118	172	156	120
Howard	10	15	34	30	29	39	38	18	17	38	56	76	72	74
Humboldt	19	31	30	28	39	40	60	26	32	57	82	77	44	53
Ida	11	9	9	1	0	3	1	0	4	10	17	4	7	6
Iowa	25	27	36	25	26	26	21	12	15	48	81	68	49	60
Jackson	105	120	181	167	132	168	155	202	312	414	561	469	419	286
Jasper	113	161	197	112	85	77	109	96	122	184	227	214	268	282
Jefferson	114	162	214	169	141	119	113	99	110	125	164	157	161	113
Johnson	235	221	195	118	94	90	85	58	79	124	141	116	84	86
Jones	77	103	94	74	76	68	66	58	77	99	172	162	160	155
Keokuk	77	96	87	73	86	95	104	89	100	150	184	151	120	89
Kossuth	53	60	74	52	60	52	58	52	43	67	72	63	57	44
Lee	248	277	420	314	267	271	227	227	307	399	473	532	544	381
Linn	613	717	870	622	649	712	597	552	933	1364	1633	1585	1494	1209
Louisa	100	109	134	86	82	107	91	91	79	120	171	186	212	125
Lucas	112	110	135	59	63	57	60	62	77	95	141	137	154	120
Lyon	14	16	6	5	3	0	0	8	19	42	37	41	37	47
Madison	32	51	45	32	46	26	19	37	23	61	79	91	94	78
Mahaska	137	92	124	130	191	178	163	107	115	180	234	204	193	209
Marion	116	192	192	156	125	130	106	113	180	251	324	219	234	211
Marshall	173	222	237	221	211	173	174	133	191	311	381	350	323	208
Mills	98	98	91	45	69	49	61	37	66	106	102	109	50	61
Mitchell	17	18	16	20	10	15	10	15	31	38	35	41	43	30

Table 6. Total Annual Unemployed-Parent Family Investment Program Payments (in \$1,000) in Iowa Counties, 1983-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Monona	44	32	55	53	60	79	58	57	75	127	152	133	128	94
Monroe	59	86	83	76	62	53	47	72	124	151	196	158	119	104
Montgomery	84	81	103	70	55	40	35	31	46	58	91	104	48	40
Muscatine	435	451	506	379	349	393	432	395	493	607	674	544	468	292
O'Brien	41	58	38	30	44	16	7	7	18	58	77	55	55	38
Osceola	18	12	16	12	8	11	12	6	12	20	43	43	31	19
Page	141	133	167	147	116	118	73	105	123	161	211	162	129	126
Palo Alto	25	40	38	34	22	24	26	22	35	81	122	118	87	71
Plymouth	38	32	35	17	21	18	14	33	61	66	88	66	50	38
Pocahontas	36	53	30	38	22	22	39	29	13	43	68	50	53	27
Polk	1405	1513	1578	818	877	883	778	730	749	1101	1369	1310	1362	1300
Pottawattamie	431	475	576	413	412	359	249	178	175	229	321	297	294	318
Poweshiek	93	94	69	56	87	63	39	34	64	128	202	169	139	121
Ringgold	48	58	80	48	40	37	25	35	66	95	100	94	64	64
Sac	39	47	62	41	37	28	20	26	30	33	55	54	45	46
Scott	961	1219	1330	982	823	915	1009	1037	1257	1780	1969	1915	1760	969
Shelby	28	54	67	28	39	34	43	16	25	39	64	50	43	30
Sioux	42	52	25	10	27	22	21	16	19	40	77	46	20	17
Story	265	290	309	150	140	144	74	63	90	155	157	160	119	97
Tama	54	53	70	54	61	75	49	34	42	91	141	134	122	91
Taylor	57	44	53	22	23	37	43	44	56	58	86	101	73	71
Union	99	80	101	71	81	91	57	65	92	124	174	184	154	114
Van Buren	52	38	34	41	33	38	48	47	67	79	103	134	117	94
Wapello	435	440	493	405	437	475	402	416	617	877	843	612	557	479
Warren	67	88	87	60	95	89	100	94	110	161	216	231	269	214
Washington	67	78	72	52	34	58	52	50	108	106	132	127	73	51
Wayne	74	61	65	40	40	30	37	54	71	92	113	103	106	76
Webster	218	323	400	318	266	262	259	224	206	434	527	425	415	273
Winnebago	28	30	33	27	25	18	21	21	34	49	66	44	24	48
Winneshiek	46	45	57	63	62	35	50	57	106	138	134	114	99	91
Woodbury	299	283	350	259	293	324	253	183	258	474	601	522	505	462
Worth	23	27	27	39	26	25	36	26	25	50	60	60	63	53
Wright	55	46	69	48	47	70	41	15	23	66	89	79	65	54
State of Iowa	12742	14349	16580	11733	11388	11721	10763	10562	14099	21052	25989	23757	21806	16472

Table 7. Average Monthly Regular Family Investment Program Payments Per Person (in \$) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	121	129	126	134	131	132	129	133	121	122	112	104	107	118	115	114	111
Adams	115	115	122	131	125	132	123	129	124	119	113	109	113	115	113	115	110
Allamakee	132	132	130	133	133	125	128	128	125	122	119	116	115	117	117	111	104
Appanoose	130	134	139	140	137	138	139	136	129	126	112	111	112	117	115	112	106
Audubon	123	130	121	126	124	126	122	123	122	131	120	111	113	115	111	108	112
Benton	129	128	132	136	136	136	132	132	129	128	117	115	119	125	122	117	112
Black Hawk	130	131	132	136	136	136	133	131	128	128	119	114	120	126	125	122	119
Boone	128	128	136	140	141	143	140	141	136	132	124	116	119	121	121	117	111
Bremer	122	125	129	135	138	138	138	133	125	125	114	113	117	122	123	124	116
Buchanan	127	126	126	133	135	135	136	133	127	129	120	112	114	114	117	118	110
Buena Vista	126	128	133	136	137	136	137	134	132	134	119	114	116	117	114	112	110
Butler	122	126	131	134	132	133	134	129	126	125	113	109	116	119	119	125	111
Calhoun	122	121	127	137	136	136	128	124	124	128	119	114	115	117	116	113	112
Carroll	122	129	129	133	133	133	133	132	126	129	116	114	114	118	115	106	104
Cass	122	126	126	128	132	139	134	129	127	126	122	117	119	117	113	112	112
Cedar	129	132	131	137	139	137	131	132	130	131	121	117	129	123	119	116	114
Cerro Gordo	130	133	135	140	139	139	136	132	130	132	121	116	119	124	123	118	115
Cherokee	127	128	132	134	127	128	130	128	126	124	112	105	111	120	117	110	108
Chickasaw	123	126	131	137	135	136	131	133	128	126	119	115	119	123	120	119	113
Clarke	126	130	132	133	130	137	132	126	122	124	122	113	117	119	114	112	112
Clay	127	134	134	140	135	140	134	134	132	136	121	114	118	123	120	117	115
Clayton	131	125	131	138	137	134	127	129	124	125	117	112	114	117	117	111	106
Clinton	131	132	137	141	142	140	139	134	130	130	121	117	120	121	119	116	113
Crawford	130	132	131	135	132	134	133	132	129	129	121	117	118	119	114	112	110
Dallas	134	133	138	144	142	139	136	134	128	128	118	112	116	118	117	111	113
Davis	125	131	129	138	135	140	132	134	127	124	115	109	111	117	112	111	107
Decatur	117	120	128	136	140	141	138	133	124	128	120	115	118	115	113	111	112
Delaware	125	122	121	126	130	129	127	125	120	123	117	111	110	116	118	110	108
Des Moines	129	130	134	137	138	137	133	130	127	127	116	111	117	118	116	112	111
Dickinson	134	135	135	133	141	140	140	131	124	132	121	108	115	117	112	112	111
Dubuque	123	127	131	136	136	136	136	136	135	134	118	114	117	119	117	114	113
Emmet	118	122	136	135	134	128	130	126	122	128	117	110	112	116	117	113	109
Fayette	129	131	130	134	134	134	130	129	128	125	118	113	113	115	114	113	111
Floyd	126	130	129	135	136	137	135	130	129	128	117	114	115	118	117	113	112
Franklin	121	120	127	133	139	139	133	132	133	134	119	119	120	121	114	109	107
Fremont	120	124	124	132	130	132	129	128	124	125	115	112	113	111	112	108	110
Greene	130	131	130	131	134	136	133	131	123	124	114	109	116	118	117	112	110
Grundy	129	137	134	135	139	141	138	133	127	129	112	109	116	115	122	121	111
Guthrie	121	128	126	133	134	134	129	128	119	121	112	110	112	109	106	105	103
Hamilton	131	136	136	138	140	140	135	127	125	129	119	114	113	116	114	113	109
Hancock	118	120	127	134	134	135	138	136	130	129	117	111	116	113	116	103	103
Hardin	125	130	130	137	139	140	142	138	128	128	118	119	125	122	117	112	109
Harrison	126	126	125	129	131	128	132	124	125	123	116	109	113	113	114	112	107
Henry	126	126	127	134	136	134	132	127	129	134	117	111	119	121	116	115	111
Howard	117	120	121	132	131	134	130	131	129	128	116	109	116	114	110	106	105
Humboldt	121	116	113	126	130	136	138	129	127	131	120	113	117	117	115	113	113
Ida	118	128	127	135	130	126	128	123	123	121	115	112	117	115	109	108	103
Iowa	119	120	120	132	142	141	138	135	131	129	119	116	119	121	112	113	114
Jackson	127	129	134	138	140	139	138	134	131	131	117	114	117	120	117	114	113
Jasper	127	131	135	141	138	138	137	131	128	129	118	114	116	120	117	115	116



Table 7. Average Monthly Regular Family Investment Program Payments Per Person (in \$) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	131	130	133	137	143	141	136	136	128	128	113	110	117	122	120	118	117
Johnson	130	132	132	137	140	150	137	139	137	142	121	119	125	131	133	130	124
Jones	129	130	129	133	136	137	132	130	126	129	122	118	121	129	122	118	114
Keokuk	125	129	130	135	142	140	132	126	120	119	114	110	108	117	118	113	114
Kossuth	120	123	128	133	131	137	134	132	127	128	113	105	105	111	110	111	110
Lee	126	126	130	134	135	135	134	130	127	128	119	114	115	116	115	114	112
Linn	129	128	132	137	139	139	136	135	133	133	120	115	121	125	121	120	116
Louisa	122	130	133	134	135	134	134	130	127	129	116	112	113	115	114	111	110
Lucas	132	131	134	137	140	138	140	132	124	120	114	110	109	114	112	105	106
Lyon	121	128	127	127	119	121	115	123	127	124	111	109	109	113	107	113	108
Madison	131	127	126	138	141	140	136	131	126	128	115	114	114	114	110	114	115
Mahaska	129	134	137	141	144	138	136	135	128	131	118	113	118	123	121	117	113
Marion	119	123	132	136	136	138	137	133	134	131	121	114	119	118	117	107	113
Marshall	127	129	130	136	139	137	137	134	132	133	114	110	121	128	121	117	116
Mills	123	126	124	133	134	133	131	127	123	122	115	108	112	115	114	104	110
Mitchell	126	137	135	139	141	135	138	139	134	133	130	120	125	116	110	112	113
Monona	118	122	130	133	134	136	135	124	123	126	120	111	114	115	115	112	112
Monroe	126	125	127	134	134	135	130	127	126	124	122	114	114	114	114	111	110
Montgomery	128	124	132	141	140	141	137	131	130	132	124	116	118	118	114	114	107
Muscatine	136	133	134	136	135	135	134	130	127	129	122	116	120	121	119	115	116
O'Brien	121	124	125	132	132	135	132	130	121	124	110	110	115	120	116	108	109
Osceola	120	114	122	128	134	127	120	119	114	114	111	106	121	113	109	111	108
Page	123	123	126	133	133	134	129	129	127	125	117	114	116	118	115	110	110
Palo Alto	122	123	128	129	125	128	131	125	117	125	110	110	112	112	109	112	108
Plymouth	122	127	129	141	139	139	132	131	123	128	114	117	120	117	116	110	108
Pocahontas	126	119	124	133	137	133	136	126	122	125	121	115	109	111	105	101	102
Polk	129	132	135	139	140	140	137	133	129	130	119	115	118	120	119	115	112
Pottawattamie	127	128	130	134	135	135	133	130	126	126	119	112	116	118	116	114	113
Poweshiek	128	125	132	139	138	136	134	127	123	127	121	113	121	121	119	117	110
Ringgold	128	122	130	139	146	140	138	134	131	132	124	115	114	115	113	102	107
Sac	122	125	131	136	134	135	130	128	131	133	120	114	118	124	119	112	113
Scott	126	130	134	138	137	137	135	132	129	129	116	113	117	121	119	115	113
Shelby	125	129	134	132	135	134	129	127	115	122	113	106	111	113	115	109	112
Sioux	124	120	123	139	135	132	124	126	118	118	111	106	112	112	109	110	108
Story	133	136	139	143	143	143	141	142	138	136	127	121	126	121	120	118	115
Tama	125	124	130	135	136	134	134	130	129	129	122	117	113	117	115	115	115
Taylor	113	113	130	139	134	132	129	127	123	125	116	112	118	112	107	103	107
Union	130	130	132	139	138	136	130	133	130	124	118	113	121	122	120	115	114
Van Buren	119	127	133	134	137	134	131	132	127	130	119	115	118	122	119	112	111
Wapello	130	131	133	140	140	141	135	133	129	128	117	112	114	119	120	117	115
Warren	122	131	134	144	143	140	139	138	135	130	119	112	118	124	120	120	115
Washington	123	119	130	134	135	134	127	125	120	126	117	112	111	117	121	122	116
Wayne	136	126	122	129	128	130	132	124	119	123	116	111	116	116	112	114	113
Webster	126	128	130	136	137	136	134	130	126	127	115	111	114	116	114	112	108
Winnebago	122	121	127	134	137	131	132	126	124	129	108	103	114	119	118	113	113
Winneshiek	140	132	137	132	131	131	134	129	130	129	108	103	105	113	116	109	116
Woodbury	129	128	129	134	134	134	131	129	127	129	116	111	116	119	119	116	115
Worth	118	118	134	140	144	132	134	123	125	133	117	111	113	115	118	108	109
Wright	122	127	127	124	131	136	134	130	129	123	118	115	114	117	113	111	111
State of Iowa	128	129	132	137	137	137	135	132	129	129	118	113	117	120	118	107	113

Table 8. Adjusted Average Monthly Regular Family Investment Program Payments Per Person (in 1996 \$s) in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	121	133	133	145	146	152	154	167	159	167	159	150	160	182	183	192	206
Adams	115	118	129	142	139	152	147	162	163	163	160	157	169	178	180	194	204
Allamakee	132	136	138	144	148	144	153	161	165	167	169	167	172	181	186	187	193
Appanoose	130	138	147	152	153	158	166	171	170	173	159	160	167	181	183	189	197
Audubon	123	134	128	137	138	145	146	155	161	180	170	160	169	178	177	182	208
Benton	129	132	140	148	152	156	158	166	170	175	166	166	178	193	194	197	208
Black Hawk	130	135	140	148	152	156	159	165	169	175	169	164	179	195	199	206	221
Boone	128	132	144	152	157	164	167	177	179	181	176	167	178	187	192	197	206
Bremer	122	129	137	146	154	158	165	167	165	171	162	163	175	188	196	209	216
Buchanan	127	130	133	144	151	155	162	167	167	177	170	161	170	176	186	199	204
Buena Vista	126	132	141	148	153	156	164	168	174	184	169	164	173	181	181	189	204
Butler	122	130	139	145	147	153	160	162	166	171	160	157	173	184	189	211	206
Calhoun	122	125	134	149	152	156	153	156	163	175	169	164	172	181	185	191	208
Carroll	122	133	137	144	148	153	159	166	166	177	165	164	170	182	183	179	193
Cass	122	130	133	139	147	160	160	162	167	173	173	169	178	181	180	189	208
Cedar	129	136	139	149	155	157	156	166	171	180	172	169	193	190	189	196	212
Cerro Gordo	130	137	143	152	155	160	162	166	171	181	172	167	178	191	196	199	214
Cherokee	127	132	140	145	142	147	155	161	166	170	159	151	166	185	186	185	201
Chickasaw	123	130	139	149	151	156	156	167	169	173	169	166	178	190	191	201	210
Clarke	126	134	140	144	145	157	158	158	161	170	173	163	175	184	181	189	208
Clay	127	138	142	152	151	161	160	168	174	186	172	164	176	190	191	197	214
Clayton	131	129	139	150	153	154	152	162	163	171	166	161	170	181	186	187	197
Clinton	131	136	145	153	158	161	166	168	171	178	172	169	179	187	189	196	210
Crawford	130	136	139	146	147	154	159	166	170	177	172	169	176	184	181	189	204
Dallas	134	137	146	156	158	160	162	168	169	175	168	161	173	182	186	187	210
Davis	125	135	137	150	151	161	158	168	167	170	163	157	166	181	178	187	199
Decatur	117	123	135	148	156	162	165	167	163	175	170	166	176	178	180	187	208
Delaware	125	126	128	137	145	148	152	157	158	169	166	160	164	179	188	185	201
Des Moines	129	134	142	149	154	157	159	163	167	174	165	160	175	182	185	189	206
Dickinson	134	139	143	144	157	161	167	165	163	181	172	156	172	181	178	189	206
Dubuque	123	131	139	148	152	156	162	171	178	184	168	164	175	184	186	192	210
Emmet	118	126	144	146	150	147	155	158	161	175	166	159	167	179	186	191	203
Fayette	129	135	138	145	150	154	155	162	169	171	168	163	169	178	181	191	206
Floyd	126	134	137	146	152	157	161	163	170	175	166	164	172	182	186	191	208
Franklin	121	123	134	144	155	160	159	166	175	184	169	172	179	187	181	184	199
Fremont	120	128	131	143	145	152	154	161	163	171	163	161	169	171	178	182	204
Greene	130	135	138	142	150	156	159	165	162	170	162	157	173	182	186	189	204
Grundy	129	141	142	146	155	162	165	167	167	177	159	157	173	178	194	204	206
Guthrie	121	132	133	144	150	154	154	161	157	166	159	159	167	168	169	177	191
Hamilton	131	140	144	150	156	161	161	160	165	177	169	164	169	179	181	191	203
Hancock	118	123	134	145	150	155	165	171	171	177	166	160	173	174	185	174	191
Hardin	125	134	138	149	155	161	170	173	169	175	168	172	187	188	186	189	203
Harrison	126	130	132	140	146	147	158	156	165	169	165	157	169	174	181	189	199
Henry	126	130	134	145	152	154	158	160	170	184	166	160	178	187	185	194	206
Howard	117	123	128	143	146	154	155	165	170	175	165	157	173	176	175	179	195
Humboldt	121	119	120	137	145	156	165	162	167	180	170	163	175	181	183	191	210
Ida	118	132	134	146	145	145	153	155	162	166	163	161	175	178	173	182	191
Iowa	119	123	127	143	158	162	165	170	173	177	169	167	178	187	178	191	212
Jackson	127	133	142	150	156	160	165	168	173	180	166	164	175	185	186	192	210
Jasper	127	135	143	153	154	158	164	165	169	177	168	164	173	185	186	194	216

Table 8. Adjusted Average Monthly Regular Family Investment Program Payments Per Person (in 1996 \$) in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	131	134	141	149	160	162	162	171	169	175	160	159	175	188	191	199	217
Johnson	130	136	140	149	156	172	164	175	181	195	172	172	187	202	212	219	230
Jones	129	134	137	144	152	157	158	163	166	177	173	170	181	199	194	199	212
Keokuk	125	133	138	146	158	161	158	158	158	163	162	159	161	181	188	191	212
Kossuth	120	127	135	144	146	157	160	166	167	175	160	151	157	171	175	187	204
Lee	126	130	138	145	151	155	160	163	167	175	169	164	172	179	183	192	208
Linn	129	132	140	149	155	160	162	170	175	182	170	166	181	193	192	202	216
Louisa	122	134	141	145	151	154	160	163	167	177	165	161	169	178	181	187	204
Lucas	132	135	142	149	156	158	167	166	163	164	162	159	163	176	178	177	197
Lyon	121	132	134	138	133	139	137	155	167	170	158	157	163	174	170	191	201
Madison	131	131	133	150	157	161	162	165	166	175	163	164	170	176	175	192	214
Mahaska	129	138	145	153	161	158	162	170	169	180	168	163	176	190	192	197	210
Marion	119	127	140	148	152	158	164	167	177	180	172	164	178	182	186	180	210
Marshall	127	133	138	148	155	157	164	168	174	182	162	159	181	198	192	197	216
Mills	123	130	131	144	150	153	156	160	162	167	163	156	167	178	181	175	204
Mitchell	126	141	143	151	157	155	165	175	177	182	185	173	187	179	175	189	210
Monona	118	126	138	144	150	156	161	156	162	173	170	160	170	178	183	189	208
Monroe	126	129	134	145	150	155	155	160	166	170	173	164	170	176	181	187	204
Montgomery	128	128	140	153	156	162	164	165	171	181	176	167	176	182	181	192	199
Muscatine	136	137	142	148	151	155	160	163	167	177	173	167	179	187	189	194	216
O'Brien	121	128	132	143	147	155	158	163	159	170	156	159	172	185	185	182	203
Osceola	120	117	129	139	150	146	143	150	150	156	158	153	181	174	173	187	201
Page	123	127	133	144	148	154	154	162	167	171	166	164	173	182	183	185	204
Palo Alto	122	127	135	140	139	147	156	157	154	171	156	159	167	173	173	189	201
Plymouth	122	131	137	153	155	160	158	165	162	175	162	169	179	181	185	185	201
Pocahontas	126	122	131	144	153	153	162	158	161	171	172	166	163	171	167	170	190
Polk	129	136	143	151	156	161	164	167	170	178	169	166	176	185	189	194	208
Pottawattamie	127	132	138	145	151	155	159	163	166	173	169	161	173	182	185	192	210
Poweshiek	128	129	140	151	154	156	160	160	162	174	172	166	170	178	180	172	199
Ringgold	128	126	138	151	163	161	165	168	173	181	176	166	170	178	180	172	199
Ringgold	128	126	138	151	163	161	165	168	173	181	176	166	170	178	180	172	199
Ringgold	128	126	138	151	163	161	165	168	173	181	176	166	170	178	180	172	199
Ringgold	128	126	138	151	163	161	165	168	173	181	176	166	170	178	180	172	199
Sac	122	129	139	148	150	155	155	161	173	182	170	164	176	191	189	189	210
Scott	126	134	142	150	153	157	161	166	170	177	165	163	175	187	189	194	210
Shelby	125	133	142	143	151	154	154	160	152	167	160	153	166	174	183	184	208
Shelby	125	133	142	143	151	154	154	160	152	167	160	153	166	174	183	184	208
Sioux	124	123	130	151	151	152	148	158	155	162	158	153	167	173	173	185	201
Sioux	124	123	130	151	151	152	148	158	155	162	158	153	167	173	173	185	201
Story	133	140	147	155	160	164	168	179	182	186	180	174	188	187	191	199	214
Story	133	140	147	155	160	164	168	179	182	186	180	174	188	187	191	199	214
Tama	125	128	138	146	152	154	160	163	170	177	173	169	169	181	183	194	214
Tama	125	128	138	146	152	154	160	163	170	177	173	169	169	181	183	194	214
Taylor	113	116	138	151	150	152	154	160	162	171	165	161	176	173	170	174	199
Taylor	113	116	138	151	150	152	154	160	162	171	165	161	176	173	170	174	199
Union	130	134	140	151	154	156	155	167	171	170	168	163	181	188	191	194	212
Union	130	134	140	151	154	156	155	167	171	170	168	163	181	188	191	194	212
Van Buren	119	131	141	145	153	154	156	166	167	178	169	166	176	188	189	189	206
Van Buren	119	131	141	145	153	154	156	166	167	178	169	166	176	188	189	189	206
Wapello	130	135	141	152	156	162	161	167	170	175	166	161	170	184	191	197	214
Wapello	130	135	141	152	156	162	161	167	170	175	166	161	170	184	191	197	214
Warren	122	135	142	156	160	161	166	173	178	178	169	161	176	191	191	202	214
Warren	122	135	142	156	160	161	166	173	178	178	169	161	176	191	191	202	214
Washington	123	122	138	145	151	154	152	157	158	173	166	161	166	181	192	206	216
Washington	123	122	138	145	151	154	152	157	158	173	166	161	166	181	192	206	216
Wayne	136	130	129	140	143	149	158	156	157	169	165	160	173	179	178	192	210
Wayne	136	130	129	140	143	149	158	156	157	169	165	160	173	179	178	192	210
Webster	126	132	138	148	153	156	160	163	166	174	163	160	170	179	181	189	201
Webster	126	132	138	148	153	156	160	163	166	174	163	160	170	179	181	189	201
Winnebago	122	125	134	145	153	150	158	158	163	177	153	148	170	184	188	191	210
Winnebago	122	125	134	145	153	150	158	158	163	177	153	148	170	184	188	191	210
Winneshiek	140	136	145	143	146	150	160	162	171	177	153	148	157	174	185	184	216
Winneshiek	140	136	145	143	146	150	160	162	171	177	153	148	157	174	185	184	216
Woodbury	129	132	137	145	150	154	156	162	167	177	165	160	173	184	189	196	214
Woodbury	129	132	137	145	150	154	156	162	167	177	165	160	173	184	189	196	214
Worth	118	121	142	152	161	152	160	155	165	182	166	160	169	178	188	182	203
Worth	118	121	142	152	161	152	160	155	165	182	166	160	169	178	188	182	203
Wright	122	131	134	135	146	156	160	163	170	169	168	166	170	181	180	187	206
Wright	122	131	134	135	146	156	160	163	170	169	168	166	170	181	180	187	206
State of Iowa	128	133	140	149	153	157	161	166	170	177	168	163	175	185	188	180	210

Table 9. Average Monthly Unemployed-Parent Family Investment Program Payments Per Person (in \$) in Iowa Counties, 1983-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	96	92	82	99	91	92	103	66	81	101	86	87	90	119
Adams	96	104	98	99	100	97	111	111	91	94	87	86	94	103
Allamakee	95	105	99	97	88	102	111	112	110	111	91	91	88	99
Appanoose	92	91	93	102	106	108	103	99	98	104	89	87	94	103
Audubon	96	84	80	105	93	88	103	115	91	91	79	87	86	103
Benton	77	80	91	101	94	97	101	90	96	104	86	77	94	108
Black Hawk	90	92	95	102	101	106	102	102	100	101	90	84	94	120
Boone	96	96	96	105	108	102	104	104	98	99	91	87	98	106
Bremer	86	86	88	97	111	101	106	102	103	100	90	80	86	99
Buchanan	88	90	85	101	104	101	105	98	97	98	92	85	94	93
Buena Vista	92	95	97	107	107	112	107	98	92	99	82	83	96	116
Butler	76	90	95	110	111	102	113	106	97	100	89	90	93	94
Calhoun	74	71	77	94	109	107	101	95	97	94	84	86	89	91
Carroll	92	98	84	89	99	114	92	89	112	113	85	86	95	104
Cass	82	80	74	82	96	103	101	88	91	95	97	92	101	110
Cedar	89	83	73	102	109	109	104	104	93	107	98	89	97	93
Cerro Gordo	82	81	94	101	101	106	101	103	97	101	91	88	101	98
Cherokee	98	103	102	110	110	116	104	97	115	104	81	79	77	107
Chickasaw	93	84	93	98	99	101	102	88	93	102	88	85	89	106
Clarke	94	101	103	105	101	103	91	106	99	100	96	91	99	110
Clay	90	96	91	99	107	113	115	122	97	101	90	90	97	104
Clayton	89	79	92	100	111	115	108	106	104	105	88	90	94	108
Clinton	91	90	92	105	107	108	100	102	96	98	91	87	95	97
Crawford	102	85	85	120	114	114	101	107	107	112	91	92	102	102
Dallas	82	91	96	115	114	114	112	105	99	98	94	90	100	105
Davis	103	93	93	112	116	112	108	106	100	104	91	94	95	99
Decatur	92	91	90	101	109	110	110	112	109	103	101	93	93	99
Delaware	91	82	87	98	98	91	96	88	96	99	92	88	89	96
Des Moines	84	94	96	103	104	100	102	99	96	102	88	81	95	99
Dickinson	85	81	106	110	109	102	92	87	91	88	82	70	80	98
Dubuque	80	80	86	97	98	100	100	99	94	97	89	85	89	95
Emmet	74	73	89	99	102	96	95	102	94	102	76	72	91	85
Fayette	87	87	90	104	107	110	99	105	104	105	89	83	90	103
Floyd	90	92	92	102	105	104	111	97	92	94	86	79	84	91
Franklin	84	84	80	86	98	105	97	102	108	102	96	85	92	103
Fremont	76	71	72	98	96	101	97	99	98	101	101	92	91	100
Greene	98	91	89	106	96	109	97	106	99	99	88	88	93	86
Grundy	98	93	94	101	94	94	114	107	100	99	89	96	93	105
Guthrie	90	98	89	96	106	109	102	106	102	99	86	82	88	88
Hamilton	82	79	89	100	97	99	99	95	98	103	90	86	90	93
Hancock	95	82	89	101	97	99	108	85	92	90	92	82	89	103
Hardin	99	104	90	109	105	98	96	96	92	100	88	92	91	97
Harrison	82	78	76	90	101	93	104	106	106	99	87	77	88	96
Henry	82	85	88	98	95	96	105	93	101	100	90	82	98	104
Howard	84	97	89	96	96	98	117	105	96	103	76	75	86	91
Humboldt	90	87	83	104	111	110	101	90	106	96	91	91	94	92
Ida	83	70	62	62	a	117	108	a	90	92	79	84	85	86
Iowa	79	90	83	110	102	100	102	100	99	100	77	87	99	113
Jackson	94	88	92	103	97	103	106	99	97	99	94	87	92	99
Jasper	90	93	96	102	107	112	98	106	97	98	89	87	98	101

<sup>a</sup>No payments of this kind were made this year.

Table 9. Average Monthly Unemployed-Parent Family Investment Program Payments Per Person (in \$) in Iowa Counties, 1983-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	91	85	93	103	105	108	103	105	99	104	88	84	91	95
Johnson	93	94	94	103	108	103	98	99	97	108	72	70	96	98
Jones	88	87	80	103	102	100	105	100	100	105	93	82	99	121
Keokuk	87	98	90	94	93	95	107	104	98	98	88	88	96	108
Kossuth	77	75	73	82	99	89	89	94	97	96	76	75	85	89
Lee	85	78	88	105	105	108	105	102	100	102	88	86	94	99
Linn	87	85	87	99	98	101	100	101	99	103	88	88	99	114
Louisa	86	103	100	106	103	110	110	100	103	103	88	87	96	105
Lucas	101	100	94	97	103	92	100	98	97	97	91	85	95	107
Lyon	93	76	101	104	124	a	a	91	89	102	88	75	84	90
Madison	85	85	79	107	109	93	92	103	81	90	85	90	97	91
Mahaska	89	90	90	108	112	112	106	110	105	116	89	84	101	110
Marion	88	95	94	108	109	110	111	108	101	102	92	87	99	99
Marshall	91	90	86	105	109	102	107	106	101	100	83	81	99	111
Mills	79	83	85	92	103	97	108	97	93	99	91	86	87	96
Mitchell	83	92	119	110	103	123	96	110	95	119	90	95	91	96
Monona	108	103	88	110	102	103	104	101	94	100	98	96	87	94
Monroe	81	88	91	105	105	104	102	103	103	105	96	90	97	102
Montgomery	83	82	81	94	118	120	103	112	93	90	91	84	95	114
Muscatine	96	89	89	99	104	103	105	102	102	98	94	88	96	104
O'Brien	86	80	76	85	92	104	116	78	90	101	95	88	98	102
Osceola	82	75	105	99	113	115	113	89	75	84	86	87	84	101
Page	84	90	83	102	97	110	95	102	103	100	90	83	82	93
Palo Alto	75	74	81	113	109	99	91	100	104	103	81	80	94	98
Plymouth	92	75	84	95	111	117	85	107	96	95	86	77	90	96
Pocahontas	93	103	87	102	104	106	94	97	84	101	90	81	96	95
Polk	91	91	93	104	105	109	105	102	99	103	92	86	93	97
Pottawattamie	90	86	89	101	104	105	101	99	95	99	92	83	89	98
Poweshiek	98	99	92	106	105	102	95	80	91	97	81	82	95	103
Ringgold	85	82	99	114	115	114	109	97	107	114	93	88	103	105
Sac	67	75	83	97	100	100	113	103	100	104	87	85	84	99
Scott	84	91	92	103	103	106	103	102	100	102	92	87	93	102
Shelby	99	92	100	103	102	106	104	99	88	93	87	82	94	104
Sioux	93	103	105	100	103	120	105	66	56	67	83	76	88	111
Story	86	88	85	101	109	106	103	118	134	119	105	94	103	107
Tama	90	89	84	99	103	101	107	105	113	108	92	85	93	96
Taylor	75	79	90	89	105	105	89	102	104	100	89	86	109	108
Union	82	74	78	96	107	111	105	97	111	103	87	86	102	112
Van Buren	86	89	82	108	115	109	106	98	98	92	88	84	94	106
Wapello	94	89	95	104	102	105	106	104	100	103	89	87	95	104
Warren	82	80	81	98	107	100	101	105	97	100	92	84	98	106
Washington	85	85	75	99	104	99	110	105	104	108	88	96	100	93
Wayne	87	82	92	96	100	96	97	109	109	106	93	88	95	99
Webster	76	87	92	99	101	97	100	98	95	99	90	83	92	102
Winnebago	85	91	97	123	121	91	98	97	100	113	85	72	92	92
Winneshiek	87	71	78	96	102	109	100	101	101	101	88	81	88	97
Woodbury	94	88	84	102	103	101	99	98	98	102	79	82	96	101
Worth	84	82	87	113	113	92	100	79	84	112	91	86	102	113
Wright	82	87	79	105	99	101	114	95	95	95	94	94	96	108
State of Iowa	88	88	90	102	103	104	103	101	99	101	89	85	94	102

Table 10. Adjusted Average Monthly Unemployed-Parent Family Investment Program Payments Per Person (in 1996 \$s) in Iowa Counties, 1983-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	96	95	87	107	102	106	123	83	107	138	122	125	134	184
Adams	96	107	104	107	112	111	133	140	120	129	124	124	140	159
Allamakee	95	108	105	105	98	117	133	141	145	152	129	131	131	153
Appanoose	92	94	98	111	118	124	123	124	129	143	126	125	140	159
Audubon	96	86	85	114	104	101	123	145	120	125	112	125	128	159
Benton	77	82	96	110	105	111	121	113	127	143	122	111	140	167
Black Hawk	90	95	101	111	113	122	122	128	132	138	128	121	140	185
Boone	96	99	102	114	120	117	124	131	129	136	129	125	146	164
Bremer	86	89	93	105	124	116	127	128	136	137	128	115	128	153
Buchanan	88	93	90	110	116	116	125	123	128	134	131	123	140	144
Buena Vista	92	98	103	116	119	129	128	123	121	136	116	120	143	179
Butler	76	93	101	119	124	117	135	133	128	137	126	130	139	145
Calhoun	74	73	81	102	122	123	121	119	128	129	119	124	133	140
Carroll	92	101	89	97	110	131	110	112	148	155	121	124	142	161
Cass	82	82	78	89	107	118	121	111	120	130	138	133	151	170
Cedar	89	85	77	111	122	125	124	131	123	147	139	128	145	144
Cerro Gordo	82	83	99	110	113	122	121	129	128	138	129	127	151	151
Cherokee	98	106	108	119	123	133	124	122	152	143	115	114	115	165
Chickasaw	93	86	98	106	110	116	122	111	123	140	125	123	133	164
Clarke	94	104	109	114	113	118	109	133	130	137	136	131	148	170
Clay	90	99	96	107	119	130	137	153	128	138	128	130	145	161
Clayton	89	81	97	109	124	132	129	133	137	144	125	130	140	167
Clinton	91	93	97	114	119	124	119	128	127	134	129	125	142	150
Crawford	102	87	90	130	127	131	121	135	141	153	129	133	152	157
Dallas	82	94	102	125	127	131	134	132	130	134	133	130	149	162
Davis	103	96	98	122	129	129	129	133	132	143	129	135	142	153
Decatur	92	94	95	110	122	126	131	141	144	141	143	134	139	153
Delaware	91	84	92	106	109	104	115	111	127	136	131	127	133	148
Des Moines	84	97	102	112	116	115	122	124	127	140	125	117	142	153
Dickinson	85	83	112	119	122	117	110	109	120	121	116	101	119	151
Dubuque	80	82	91	105	109	115	119	124	124	133	126	123	133	147
Emmet	74	75	94	107	114	110	113	128	124	140	108	104	136	131
Fayette	87	90	95	113	119	126	118	132	137	144	126	120	134	159
Floyd	90	95	97	111	117	119	133	122	121	129	122	114	125	140
Franklin	84	86	85	93	109	121	116	128	142	140	136	123	137	159
Fremont	76	73	76	106	107	116	116	124	129	138	143	133	136	154
Greene	98	94	94	115	107	125	116	133	130	136	125	127	139	133
Grundy	98	96	99	110	105	108	136	135	132	136	126	138	139	162
Guthrie	90	101	94	104	118	125	122	133	134	136	122	118	131	136
Hamilton	82	81	94	109	108	114	118	119	129	141	128	124	134	144
Hancock	95	84	94	110	108	114	129	107	121	123	131	118	133	159
Hardin	99	107	95	118	117	113	115	121	121	137	125	133	136	150
Harrison	82	80	80	98	113	107	124	133	140	136	124	111	131	148
Henry	82	87	93	106	106	110	125	117	133	137	128	118	146	161
Howard	84	100	94	104	107	113	140	132	127	141	108	108	128	140
Humboldt	90	90	88	113	124	126	121	113	140	132	129	131	140	142
Ida	83	72	66	67	a	134	129	a	119	126	112	121	127	133
Iowa	79	93	88	119	114	115	122	126	130	137	109	125	148	174
Jackson	94	91	97	112	108	118	127	124	128	136	133	125	137	153
Jasper	90	96	102	111	119	129	117	133	128	134	126	125	146	156

<sup>a</sup>No payments of this kind were made this year.

Table 10. Adjusted Average Monthly Unemployed-Parent Family Investment Program Payments Per Person (in 1996 \$s) in Iowa Counties, 1983-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	91	87	98	112	117	124	123	132	130	143	125	121	136	147
Johnson	93	97	99	112	120	118	117	124	128	148	102	101	143	151
Jones	88	90	85	112	114	115	125	126	132	144	132	118	148	187
Keokuk	87	101	95	102	104	109	128	131	129	134	125	127	143	167
Kossuth	77	77	77	89	110	102	106	118	128	132	108	108	127	137
Lee	85	80	93	114	117	124	125	128	132	140	125	124	140	153
Linn	87	87	92	107	109	116	119	127	130	141	125	127	148	176
Louisa	86	106	106	115	115	126	131	126	136	141	125	125	143	162
Lucas	101	103	99	105	115	106	119	123	128	133	129	123	142	165
Lyon	93	78	107	113	138	a	a	114	117	140	125	108	125	139
Madison	85	87	84	116	122	107	110	129	107	123	121	130	145	140
Mahaska	89	93	95	117	125	129	127	138	138	159	126	121	151	170
Marion	88	98	99	117	122	126	133	136	133	140	131	125	148	153
Marshall	91	93	91	114	122	117	128	133	133	137	118	117	148	171
Mills	79	85	90	100	115	111	129	122	123	136	129	124	130	148
Mitchell	83	95	126	119	115	141	115	138	125	163	128	137	136	148
Monona	108	106	93	119	114	118	124	127	124	137	139	138	130	145
Monroe	81	91	96	114	117	119	122	129	136	144	136	130	145	157
Montgomery	83	84	86	102	132	138	123	141	123	123	129	121	142	176
Muscatine	96	92	94	107	116	118	125	128	134	134	133	127	143	161
O'Brien	86	82	80	92	103	119	139	98	119	138	135	127	146	157
Osceola	82	77	111	107	126	132	135	112	99	115	122	125	125	156
Page	84	93	88	111	108	126	113	128	136	137	128	120	122	144
Palo Alto	75	76	86	123	122	114	109	126	137	141	115	115	140	151
Plymouth	92	77	89	103	124	134	102	135	127	130	122	111	134	148
Pocahontas	93	106	92	111	116	122	112	122	111	138	128	117	143	147
Polk	91	94	98	113	117	125	125	128	130	141	131	124	139	150
Pottawattamie	90	89	94	110	116	121	121	124	125	136	131	120	133	151
Poweshiek	98	102	97	115	117	117	113	101	120	133	115	118	142	159
Ringgold	85	84	105	124	128	131	130	122	141	156	132	127	154	162
Sac	67	77	88	105	112	115	135	129	132	143	124	123	125	153
Scott	84	94	97	112	115	122	123	128	132	140	131	125	139	157
Shelby	99	95	106	112	114	122	124	124	116	127	124	118	140	161
Sioux	93	106	111	109	115	138	125	83	74	92	118	110	131	171
Story	86	91	90	110	122	122	123	148	177	163	149	135	154	165
Tama	90	92	89	107	115	116	128	132	149	148	131	123	139	148
Taylor	75	81	95	97	117	121	106	128	137	137	126	124	163	167
Union	82	76	83	104	119	127	125	122	146	141	124	124	152	173
Van Buren	86	92	87	117	128	125	127	123	129	126	125	121	140	164
Wapello	94	92	101	113	114	121	127	131	132	141	126	125	142	161
Warren	82	82	86	106	119	115	121	132	128	137	131	121	146	164
Washington	85	87	79	107	116	114	131	132	137	148	125	138	149	144
Wayne	87	84	97	104	112	110	116	137	144	145	132	127	142	153
Webster	76	90	97	107	113	111	119	123	125	136	128	120	137	157
Winnebago	85	94	103	133	135	104	117	122	132	155	121	104	137	142
Winneshiek	87	73	83	104	114	125	119	127	133	138	125	117	131	150
Woodbury	94	91	89	111	115	116	118	123	129	140	112	118	143	156
Worth	84	84	92	123	126	106	119	99	111	153	129	124	152	174
Wright	82	90	84	114	110	116	136	119	125	130	133	135	143	167
State of Iowa	88	91	95	111	115	119	123	127	130	138	126	123	140	157

Most Family Investment cases serve more than one individual, of course. The average number of lowans receiving benefits in the regular FIP each month in 1996 was 73,937 (Table 2). This figure was *substantially lower than the other years examined and represented a decrease of 9,511 from 1995. More than 100,000 persons were in the program each month, on average, in both 1985 and 1986* (Figure 1).

Polk County averaged 11,616 FIP recipients monthly in the regular program in 1996, the highest number for any county in the state. The only other counties above 5,000 that year were Black Hawk and Scott. These three counties alone accounted for more than a third (34.4%) of Iowa's average monthly regular FIP recipients. Seventy-five of Iowa's counties had fewer than 500 recipients in 1996, although Audubon, Mitchell, Osceola, and Worth were the only counties below 100.

Declines from 1995 to 1996 in the number of recipients took place in 89 counties; 48 of these counties had decreases of less than 50. Eight declined by more than 200 persons; only Polk had a *decrease greater than 1,000. Increases in the number of recipients occurred in eight counties between 1995 and 1996. Gains were relatively minor (less than 15) in all of these counties.*

Iowa had 28,088 fewer persons receiving regular FIP payments each month, on average, in 1996 than in 1986. All but two (Johnson, Mills) of Iowa's 99 counties followed this trend. Black Hawk, Dubuque, Linn, Polk, Scott, and Woodbury dropped by at least 1,000; most (53) lost between 100 and 1,000 recipients.

### **Unemployed-Parent Family Investment Cases and Recipients**

Iowa averaged 3,000 unemployed-parent FIP cases each month in 1996 (Table 3). The 1996 *average was less than that from 1983 through 1987, when Iowa had more than 3,700 such cases, but more than the 1988-1993 period. Twenty-seven of the counties averaged fewer than 10 unemployed-parent cases each month in 1996. Sixty-seven counties had from 10 to 99 unemployed-parent cases. The highest monthly averages were in five counties (Black Hawk, Linn, Polk, Pottawattamie, Scott) with more than 100 each; Polk's total of 316 was the highest.*

Unemployed-parent cases decreased, on average, by 336 between 1995 and 1996 in the state. Most (87) of the counties reported increases or decreases of nine or fewer cases or no change from one year to the next. Linn and Scott decreased by more than 20 cases.

Iowa's unemployed-parent case average was lower by 2,308 in 1996 than it was in 1986. *Eighty-four counties also had declines when comparing these years. Black Hawk, Clinton, Dubuque, Linn, and Scott had decreases of 100 or more cases. Two counties remained the same; the remaining 13 had increases over the period, although only Polk, Pottawattamie, and Story reported at least 30 more cases in 1996 than in 1986.*

The average monthly number of FIP recipients in the unemployed-parent program was 12,055 in 1996, a figure 1,484 lower than in 1995 (Table 4, Figure 2). Polk had the highest monthly average (1,292) of unemployed-parent recipients in 1996; Black Hawk, Linn, and Scott also were greater than 500. Twenty-six other counties averaged at least 100 recipients. The counties with the lowest averages (fewer than 20) of unemployed-parent recipients were Audubon, Hancock, Howard, Humboldt, Ida, Lyon, Mitchell, and Osceola.

The number of recipients of unemployed-parent FIP benefits decreased between 1995 and 1996. Forty-three counties reported changes in either direction of fewer than 10 recipients or had the same number in 1995 and 1996. Other than Mahaska (+44), no county's gain exceeded 20. Iowa averaged 12,149 fewer persons per month receiving unemployed-parent FIP benefits in 1996 than in 1986. Most (90) of the counties followed the downward state trend. Decreases greater than 500 occurred in Black Hawk, Clinton, Dubuque, Linn, and Scott. Of the nine counties with more unemployed-parent recipients in 1996 than in 1986, only Pottawattamie and Story increased by more than 100.



Cases and recipients in the unemployed-parent portion of the FIP have varied much more in the 1980s and 1990s than those in the regular Family Investment program. The unemployed-parent program corresponds much more closely to variations in Iowa's economy than does the regular program.

### **Total Annual Family Investment Payments**

Total benefits paid in Iowa in 1996 for the regular FIP exceeded \$113 million, which was about 16 million less than the 1995 total (Table 5, Figure 3). Payments decreased in 9 of the 16 year-to-year comparisons; in no two-year period did the change approach the magnitude of the \$37 million decrease from 1994 to 1996. County totals in 1996 varied from less than \$125,000 in Audubon and Worth to more than \$10 million in Polk and Scott. Polk's figure, at \$18.0 million, was nearly \$6 million above the second highest total (Scott, \$12.1 million). Only five counties reported higher benefits paid to participants in the regular program in 1996 than in 1995. The state's decrease (-\$16.3 million) was matched in 94 counties, two (Polk, Scott) of which declined by more than \$1 million.

Iowa's total payments to regular recipients decreased by \$31 million between 1986 and 1996; 92 of the counties had lower benefits paid at the end of the period. Declines in Black Hawk, Dubuque, Linn, Polk, Scott, and Woodbury each topped \$1 million. None of the seven counties with higher benefits paid in 1996 increased payments by more than \$150,000.

Unemployed-parent program benefits totaled \$12.7 million in 1996 (Table 6, Figure 4). Benefits paid by this program have been significantly lower than those for the regular program because the caseload is much smaller. Reflecting changes in Iowa's economy, the payments made in the unemployed-parent program for 1989-1993 were half or less of those reported in 1985 and 1986. Payments increased from 1993 to 1994 but declined in 1995 and 1996.

Eight counties provided less than \$20,000 in unemployed-parent benefits in 1996, with Hancock (\$8,000) reporting the lowest figure. The highest benefits were recorded in Polk (\$1.4 million), which was the only one greater than \$1 million. More than two-thirds (69) of Iowa's counties distributed lower unemployed-parent benefits in 1996 than in 1995.

Total costs for the unemployed-parent program in Iowa were \$13.2 million lower in 1996 than in 1986. Most (91) counties also reported lower benefits at the end of the period; among these, Black Hawk, Linn, and Scott had decreases greater than a million dollars. For counties with higher payments in 1996 than in 1986, the increases were small.

### **Average Monthly Payments Per Person**

The average per person benefit per month for the regular program was \$128 in 1996 (Table 7). This was slightly lower than the figures from 1987 through 1995 (Figure 5). Benefits per person in the early 1980s ranged from \$107 to \$120 per month. Among the counties, there was a \$27 difference between the lowest (\$113 in Taylor) and the highest (\$140 in Winneshiek) monthly per person benefits in 1996. For all the years from 1980 through 1996, less than \$30 separated the lowest and highest county in per person monthly payments for the regular program.

Changes between 1995 and 1996 in the regular program benefits were small in most counties; a \$11 drop in Mitchell County was the largest change in either direction. Modest change also is noted when 1986 and 1996 are compared. Iowa averaged \$10 more per person in the regular program in the later year and increases were recorded for all but eight counties. Winneshiek was the only one to gain at least \$30 across the period.

The state's average per person increase of 8.5 percent between 1986 and 1996 did not keep pace with inflation as measured by a 40.1 percent rise in the consumer price index for the same years. Indeed, five counties reported decreases in benefits; benefit increases were less than 10 percent in 65 counties, with the greatest gain (Winneshiek, +29.6%) well below the rate of inflation. The small percentage change in per person benefits for the regular FIP from 1986 to 1996 contrasts sharply with percentage increases for average monthly benefits per person in the food stamp (+48.1%) program. Clearly, the increase in average regular FIP payments per month did not keep pace with inflationary trends.

Another way to examine this is to adjust benefits for inflation. When this was done, regular program payments per person declined from \$168 in 1986 to \$128 in 1996, a 23.8 percent decrease in purchasing power (Table 8). All 99 counties experienced a similar trend, with Winneshiek reporting the only decrease under 10 percent while Decatur, Marion, Mitchell, Monona, and Taylor had declines of at least 30 percent in payments per person after inflation is taken into account.

For persons in the unemployed-parent program, monthly payments statewide averaged \$88 in 1996 (Table 9). This was the same as 1995; only the figure for 1985 was under the 1996 average (Figure 5). For the state and the counties (except Lyon in 1992 and Adair in 1983), per person payments for the unemployed-parent program have been lower than those for the regular program, frequently by \$20 or more per month.

In 1996, county-level average benefits per person in the unemployed-parent program ranged from \$67 (Sac) to \$108 (Monona). For any given year, there was more variation among the counties in the unemployed-parent payments than in those for the regular program.

The 1996 average benefits for persons in the unemployed-parent program was \$1 less than that in 1986 for the state, and 53 counties had lower average payments in 1996 than 10 years earlier. Five counties (Audubon, Cherokee, Johnson, Poweshiek, Woodbury) gained at least \$15 across the 10 years, while Fremont and Sac dropped by at least \$20. When adjusted for inflation, benefits for persons in the unemployed-parent program decreased 30.2 percent from 1986 to 1996 (Table 10). Again all counties experienced this trend; while Johnson noted a decline of less than 10 percent, seven others (Cass, Fremont, Monroe, Sac, Story, Taylor, Webster) decreased average payments per person by at least 40 percent when inflation was included in the calculations.

Figure 1. Average number of FIP regular recipients per month in Iowa, 1980-1996.

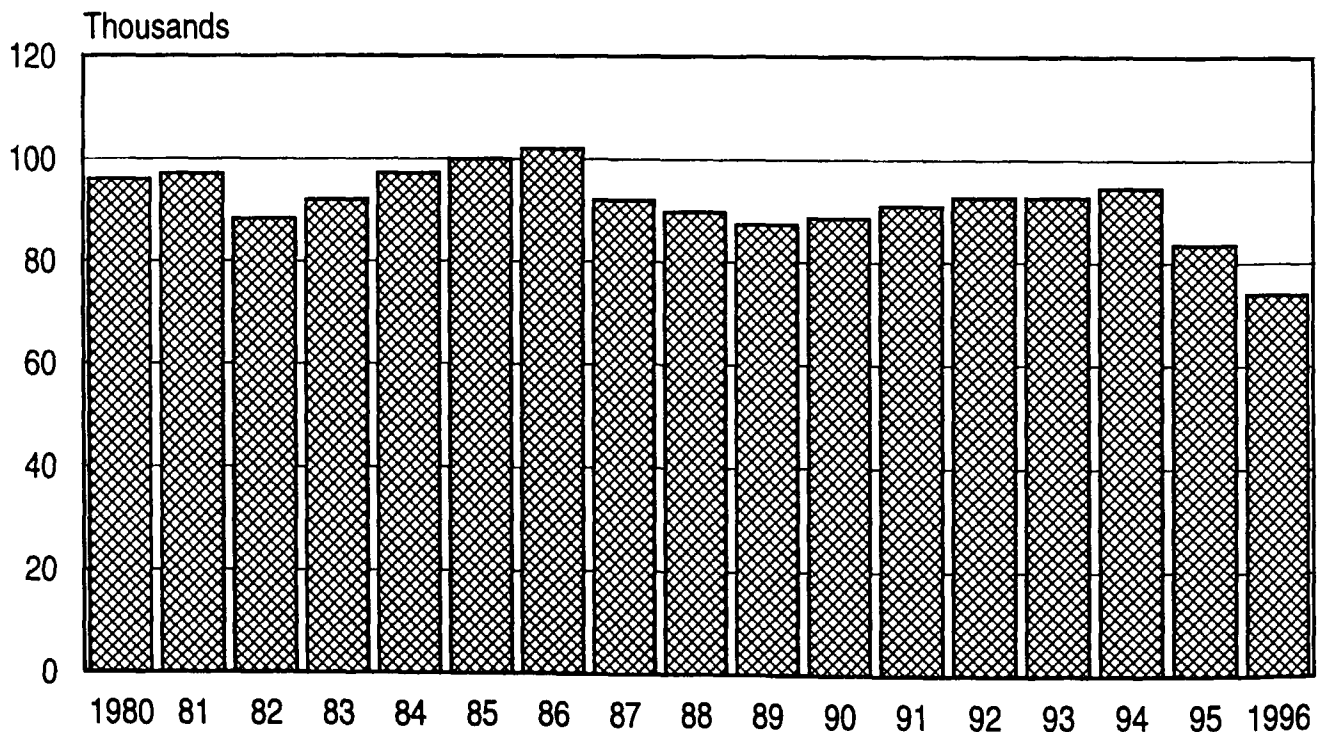


Figure 2. Average number of FIP unemployed-parent recipients per month in Iowa, 1983-1996.

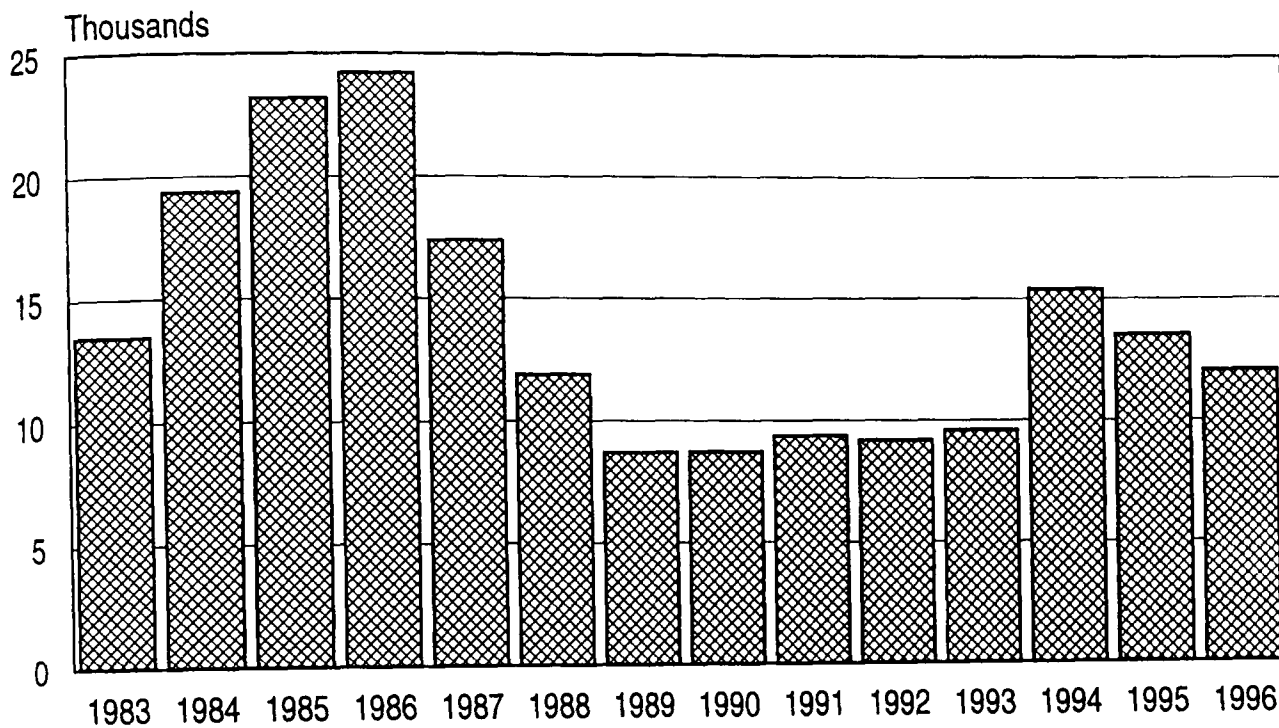


Figure 3. Total annual payments to persons receiving regular FIP benefits in Iowa, 1980-1996.

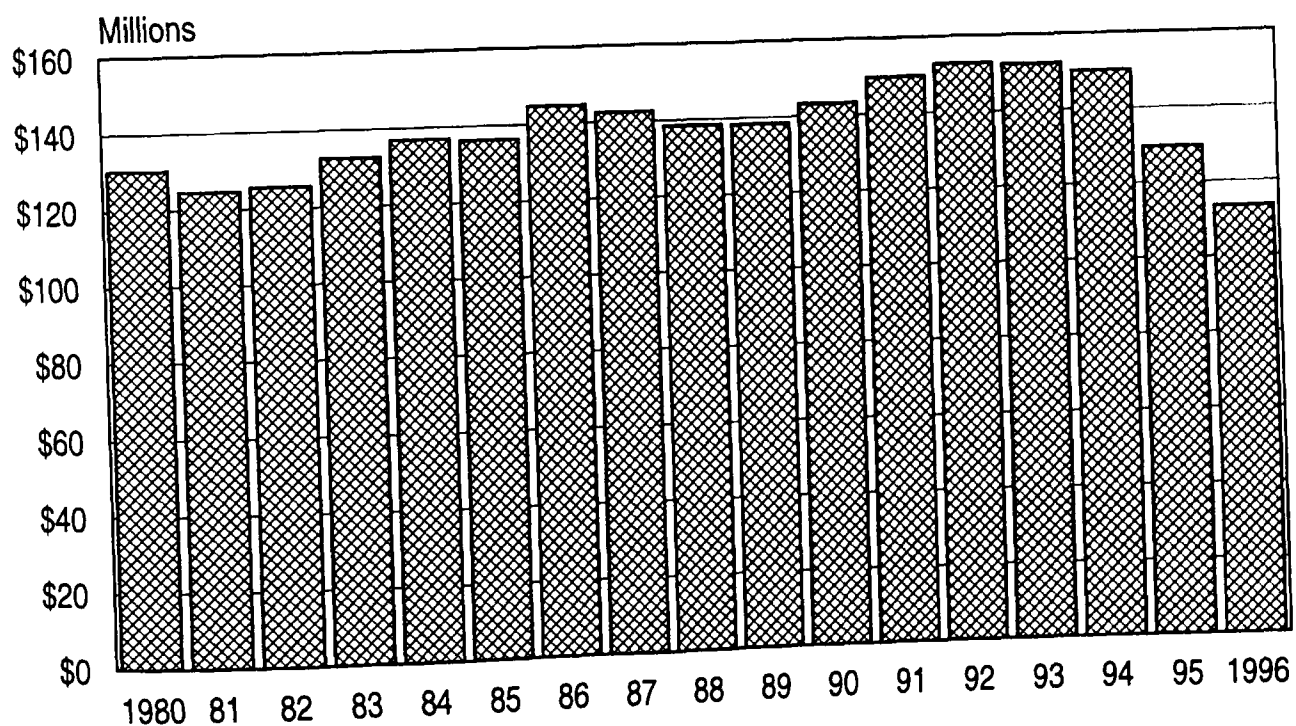


Figure 4. Total annual payments to persons receiving unemployed-parent FIP benefits in Iowa, 1983-1996.

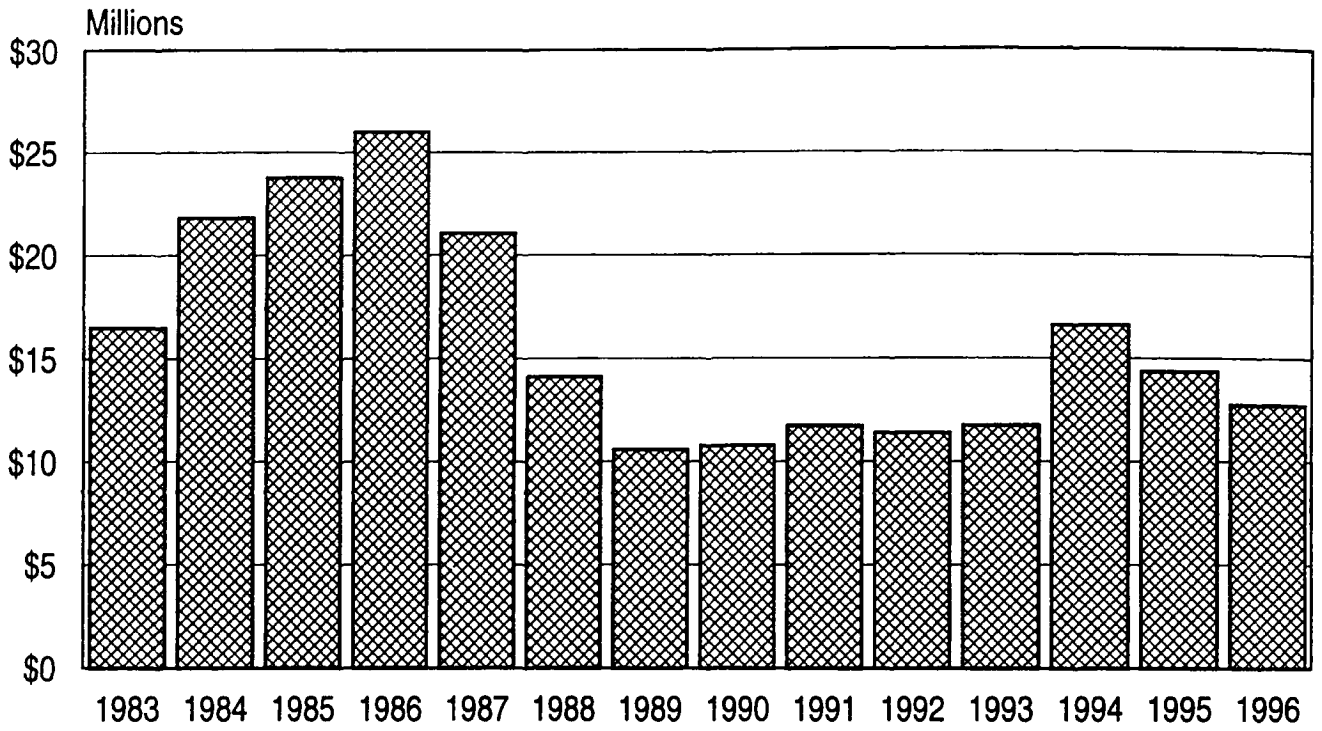
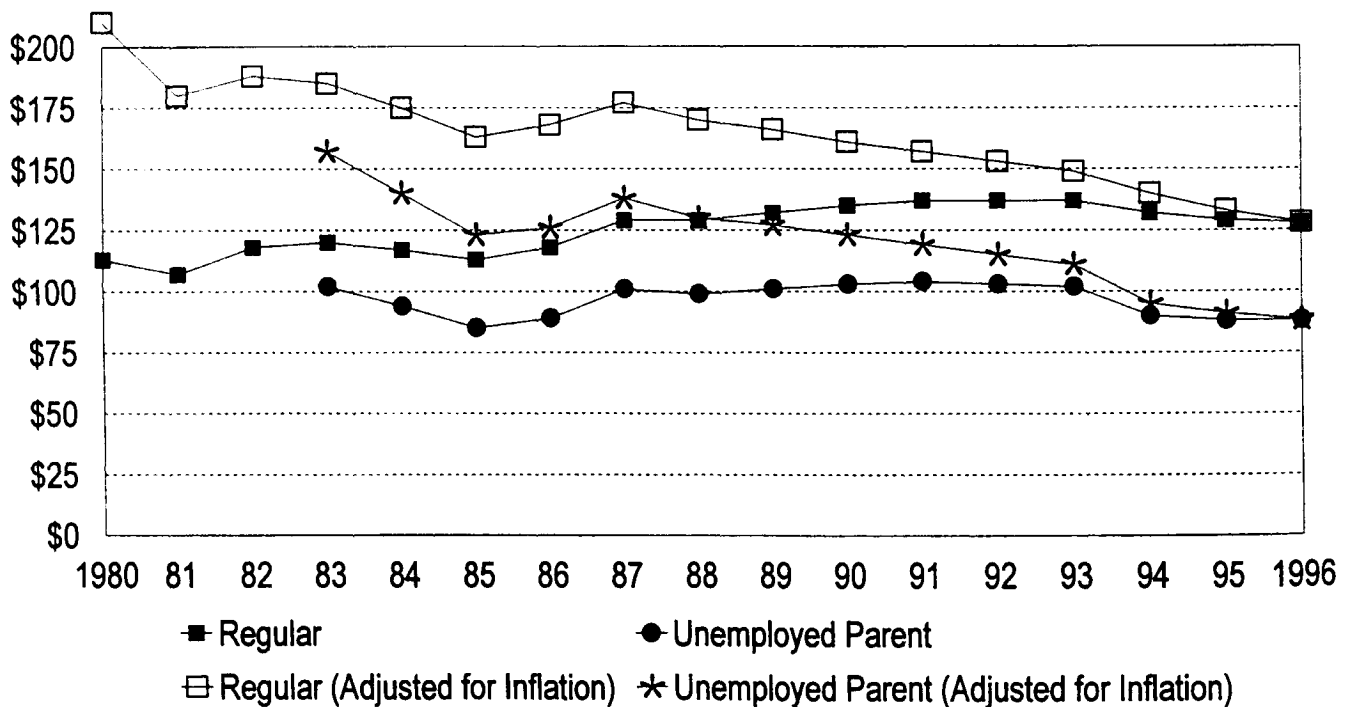


Figure 5. Average monthly FIP payments (in \$) per recipient, 1980-1996.



## Public and Non-Public School Enrollment in Iowa's Counties: 1980-1996

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The Iowa Department of Education gathers information on Iowa's primary and secondary public and non-public educational institutions. Each year, the department obtains the number of students enrolled in the month of September. Information on enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Additional caution is merited because some districts have merged between 1980 and 1996, the years for which data are reported. That means the administrative headquarters, the location of which determines where students are counted, may have changed. Such changes will affect year-to-year comparisons.

### Enrollment in Public Schools

In 1996, 497,899 students were enrolled in public schools in Iowa (Table 1). This was nearly 19,000 more than the 479,282 reported in 1986. Declines occurred annually from 1980 through 1988, but slight gains took place each year from 1988 to 1996. About 22,000 more public school students were counted in 1996 than at the low point in 1988 (Figure 1).

Fifty-four counties had more students in public schools in 1996 than 10 years earlier; seven (Dallas, Johnson, Linn, Polk, Pottawattamie, Story, Woodbury) had at least 1,000 more. Declines in the other 45 counties ranged from less than 100 in 21 counties to more than 500 in Black Hawk, Butler, Clinton, Crawford, and Dubuque.

### Enrollment in Non-Public Schools

A total of 44,312 non-public school students were enrolled in Iowa in 1996 (Table 2). This was down 5,000 from the 49,454 reported in 1986. In only two year-to-year comparisons during this period were there slight increases; there were 180 more non-public school students in 1988 than in 1987 and 99 more in 1993 than in 1992.

Thirty counties had no students enrolled in non-public schools from 1980 through 1996 according to reports from the Iowa Department of Education. That does not necessarily mean that some students of non-public schools do not live in these counties; they could, but the location of the administrative headquarters could be in another county. It could also be that a school did not file an enrollment report. There were seven counties (Cedar, Emmet, Hardin, Jefferson, Keokuk, Poweshiek, Sac) for which non-public school students were reported for some but not all years included here.

Of the 65 counties with non-public school students in both 1986 and in 1996, 14 had increases among these students and 51 had decreases. Gains ranged from less than 50 in nine counties to 100 or more in four (Buena Vista, Johnson, Scott, Sioux). Declines had a much greater range; 25 counties had decreases among non-public school students that were less than 50, but 14 dropped by more than 100.

Table 1. Public School Enrollment in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1259	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364
Adams	736	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900
Allamakee	2767	2767	2832	2776	2774	2762	2744	2770	2744	2798	2809	2882	2891	2982	3085	3098	3383
Appanoose	2478	2492	2460	2461	2524	2518	2502	2485	2542	2575	2532	2473	2542	2595	2636	2712	2798
Audubon	1162	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499
Benton	4305	4172	4117	4121	4362	4322	4325	4297	4191	4233	4278	4306	4330	4439	4534	4735	4923
Black Hawk	18283	18445	18518	18449	18143	18625	18791	18710	18570	18819	18981	19539	20094	20722	21170	21248	21869
Boone	4218	4212	4123	4136	4099	4043	3992	3934	3920	3874	3928	3948	3912	3956	3988	4129	4258
Bremer	5677	5812	5815	5812	5774	5699	5594	5675	5639	5718	5853	6021	6129	6154	6273	6455	6697
Buchanan	3383	3422	3431	3410	3446	3382	3424	3353	3305	3270	3180	3273	3357	3423	3517	3616	3704
Buena Vista	3843	3897	3912	3898	3432	3445	3312	3130	3095	3039	3191	3076	3077	3061	3069	3140	3230
Butler	2170	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291
Calhoun	2612	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913
Carroll	3406	3239	3255	3313	3295	3179	3069	2926	2863	2688	2648	2653	2674	2710	2799	2808	2952
Cass	3180	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566
Cedar	3672	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3848	3981
Cerro Gordo	7413	7437	7408	7357	7321	7349	7320	7282	7344	7436	7301	7272	7294	7220	7212	7493	7721
Cherokee	2369	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216
Chickasaw	2389	2392	2355	2352	2346	2339	2367	2359	2388	2422	2477	2566	2613	2684	2771	2863	3061
Clarke	1793	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694
Clay	2986	3046	3057	3071	3458	3450	3419	3392	3366	3249	3245	3349	3349	3359	3339	3402	3513
Clayton	3724	3743	3760	3740	3737	3769	3780	3785	3816	3789	3760	3876	3912	3950	4006	4067	4135
Clinton	8951	9062	9186	9276	9365	9418	9325	9359	9374	9385	9626	9816	9950	10265	10635	10963	11262
Crawford	2621	2660	2751	2928	2956	3210	3243	3279	3428	3498	3577	3640	3622	3636	3729	3752	3788
Dallas	7757	7589	7250	7060	6887	6776	6627	6417	6350	6355	6258	6249	6134	6113	6147	6358	6456
Davis	1310	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608
Decatur	1385	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687
Delaware	3812	3811	3737	3754	3679	3608	3581	3453	3464	3427	3400	3394	3434	3680	3599	3679	3790
Des Moines	7482	7503	7615	7643	7645	7715	7762	7750	7765	7820	7813	7762	7789	7805	8031	8253	8607
Dickinson	2895	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938
Dubuque	12520	12481	12367	12380	12063	11893	11869	12019	12232	12814	13105	12408	12643	12941	13370	13855	14644
Emmet	2083	2224	2248	2260	2247	2271	2278	2324	2332	2308	2300	2369	2655	2516	2557	2657	2677
Fayette	4421	4453	4514	4470	4481	4440	4449	4396	4412	4435	4509	4724	4853	5164	5256	5334	5665
Floyd	3136	3112	3185	3171	3224	3207	3174	3142	3211	3238	3253	3350	3510	3565	3719	3860	4004
Franklin	2165	2046	1905	1862	1968	1941	1985	1856	1762	1733	1808	1806	1819	1887	1865	1896	1945
Fremont	1650	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769
Greene	2026	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329
Grundy	3019	2752	2747	2727	2740	2261	2223	2267	2314	2341	2418	2488	2571	2622	2716	2825	2855
Guthrie	2326	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885
Hamilton	3029	3072	3095	3050	3074	3088	3099	3184	3056	3081	3055	3107	3176	3235	3318	3406	3539
Hancock	2129	2070	2086	2320	2332	2397	2393	2352	2402	2390	2381	2404	2365	2424	2443	2537	2583
Hardin	3656	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4532	4786
Harrison	3345	3349	3327	3010	3063	3032	3016	2926	3049	3074	3041	3105	3208	3232	3309	3374	3476
Henry	3773	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764
Howard	2162	2246	2286	2191	2168	2143	2119	2063	2055	2045	2080	2103	2101	2223	2284	2336	2479
Humboldt	1923	1934	1936	1940	1916	1948	1912	1899	1887	1927	1897	1967	1991	2027	2124	2234	2339
Ida	1553	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513
Iowa	2748	2716	3085	2991	2973	2913	2828	2635	2587	2604	2639	2698	2651	2719	2827	2953	3116
Jackson	3659	3655	3680	3732	3725	3675	3621	3588	3655	3753	3730	3809	3998	4203	4205	4321	4455
Jasper	6418	6365	6318	6492	6411	6439	6344	6338	6319	6452	6428	6463	6456	6598	6590	6897	7034

Table 1. Public School Enrollment in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2134	2137	2030	2011	2014	2102	1977	1976	2020	2017	2036	2120	2246	2282	2349	2467	2596
Johnson	12787	12695	11985	11911	11654	11388	11070	10953	11036	10553	10358	10298	10140	10183	10357	10381	10596
Jones	3513	3523	3562	3523	3337	3211	3214	3304	3279	3315	3367	3470	3517	3546	3637	3702	3950
Keokuk	2471	2488	2445	2440	2399	2437	2447	2436	2410	2429	2395	2451	2450	2402	2362	2480	2618
Kossuth	2748	2712	2707	2727	2685	2679	2702	2649	2561	2487	2583	2718	2754	2807	2883	2986	3183
Lee	6341	6462	6536	6565	6540	6533	6380	6287	6323	6535	6550	6532	6483	6607	6771	6815	7035
Linn	31612	30981	30622	29881	29409	28745	28410	28424	28743	28804	28960	29454	29960	30566	31391	32196	33286
Louisa	2987	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115
Lucas	1632	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832
Lyon	2233	2279	2318	2293	2262	2256	2264	2276	2288	2318	2286	2239	2206	2227	2316	2379	2415
Madison	2893	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972
Mahaska	3400	3305	3370	3321	3367	3286	3294	3273	3241	3223	3259	3262	3323	3304	3280	3235	3314
Marion	5773	5682	5608	5442	5462	5468	5424	5332	5387	5313	5266	5320	5382	5384	5385	5525	5634
Marshall	6529	6575	6482	6373	6414	6721	6816	6751	6775	6947	6936	6959	7124	7358	7473	7655	8043
Mills	2703	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587
Mitchell	1917	1883	1894	1881	1839	1819	1810	1807	1814	1836	1808	1780	1816	1831	1896	1987	2142
Monona	1782	1818	1795	1826	1826	1858	1832	1825	1831	1841	1844	1879	1914	1930	2007	2095	2182
Monroe	1328	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567
Montgomery	2153	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309
Muscatine	7661	7600	7834	7740	7865	7842	7689	7602	7449	7554	7585	7536	7508	7702	7775	7815	7937
O'Brien	3023	3060	3013	2971	2969	2930	2926	2835	2833	2804	2799	2804	2774	2807	2848	2910	2994
Osceola	1053	1046	1038	995	1019	984	955	935	938	959	943	949	971	993	1012	1018	1153
Page	3215	3014	3076	3090	3098	3161	3201	3208	3132	3156	3130	3169	3196	3162	3188	3243	3313
Palo Alto	2012	2044	2064	2100	2079	2076	2048	2035	2070	2106	2001	2038	2087	2150	2220	2326	2465
Plymouth	4549	4582	4454	4431	4364	4322	4182	4081	4067	4047	3932	3894	3888	3865	3993	4057	4265
Pocahontas	1390	1402	1381	1350	1670	1665	1798	1668	1636	1663	1683	1722	1802	1844	1914	1951	2045
Polk	58705	58132	57034	55975	55288	53999	53727	52029	51474	51340	51072	51299	51062	51197	51834	53303	54885
Pottawattamie	16950	16456	16100	16095	16065	16113	15931	15667	15638	15880	15914	15981	16054	16364	16551	17062	17599
Poweshiek	3247	3265	3188	3151	3090	3102	3011	3019	3088	3155	3098	3102	3153	3203	3318	3432	3517
Ringgold	1002	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141
Sac	2336	2341	2394	2378	2402	2401	2478	2426	2379	2423	2371	2368	2381	2447	2518	2552	2654
Scott	28225	28126	28117	29535	28508	28422	27841	27703	27634	28112	28386	29035	30002	30567	30783	31522	32336
Shelby	2577	2770	2719	2704	2598	2486	2425	2349	2320	2328	2371	2451	2572	2621	2650	2778	2964
Sioux	4426	4398	4374	4358	4281	3888	4018	3895	3868	3816	3730	3737	3684	3750	3741	3835	3965
Story	11005	11084	11023	10910	11097	10506	10166	9973	9828	9758	9513	9543	9502	9577	9638	9888	10252
Tama	2991	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988
Taylor	1335	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597
Union	2231	2216	2258	2350	2321	2392	2375	2452	2447	2463	2483	2494	2568	2574	2568	2598	2674
Van Buren	1453	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686
Wapello	6519	6510	6575	6614	6683	6667	6544	6537	6562	6795	6909	7121	7306	7313	7403	7556	7856
Warren	7639	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467
Washington	3533	3465	3580	3501	3455	3495	3455	3373	3392	3403	3411	3398	3447	3470	3548	3579	3702
Wayne	1256	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414
Webster	6209	6042	6057	6099	6052	6069	6130	6093	6164	6138	6283	6278	6359	6457	6607	7029	7358
Winnebago	2900	2990	2966	2920	2892	2860	2901	2844	2766	2795	2771	2759	2744	2758	2751	2829	2975
Winneshiek	2877	2863	2868	2870	2780	2725	2663	2605	2647	2598	2590	2573	2540	2572	2704	2771	2882
Woodbury	18562	18226	18081	17880	18030	18203	17661	17618	17422	17485	17169	16984	16953	17146	17062	17401	17994
Worth	1175	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429
Wright	3128	3137	3184	2876	2813	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212
State of Iowa	497899	496386	494539	489670	486235	482171	476605	476114	479282	478982	483444	495821	488673	503545	516174	533756	

Table 2. Non-Public School Enrollment in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	177	188	191	175	194	197	187	183	199	192	207	219	214	217	215	190	185
Appanoose	64	65	68	66	57	54	89	88	81	111	110	95	106	119	113	113	108
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	123	130	128	128	132	123	161	152	143	139	102	131	144	149	156	151	164
Black Hawk	3252	3363	3272	3674	3727	3731	3832	3715	3806	3809	3754	3725	3827	3858	3776	3726	3781
Boone	273	270	251	245	242	252	277	306	331	337	329	329	338	317	285	264	242
Bremer	226	240	244	252	247	263	375	376	393	399	391	301	322	336	405	395	397
Buchanan	258	273	292	267	245	267	252	260	311	315	340	375	390	422	446	448	430
Buena Vista	462	448	444	440	346	327	335	295	325	353	356	348	367	365	364	358	372
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	1629	1743	1778	1814	1807	1848	1862	1884	1877	1959	1989	2013	2075	2138	2226	2331	2441
Cass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
Cerro Gordo	741	730	769	779	823	793	773	813	733	667	822	732	757	750	758	671	674
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chickasaw	170	155	159	139	156	165	166	177	190	175	187	195	206	222	220	238	240
Clarke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clay	152	132	130	127	144	153	152	155	173	194	185	178	189	193	195	203	214
Clayton	154	157	147	154	155	162	160	164	167	173	168	158	179	183	184	193	207
Clinton	509	501	519	521	534	545	570	569	643	737	828	900	939	940	950	906	965
Crawford	286	316	354	335	326	310	354	351	352	376	363	361	403	445	417	422	433
Dallas	232	209	190	171	169	177	277	294	306	311	218	200	236	245	236	212	218
Davis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decatur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware	305	311	323	338	337	341	322	333	312	298	303	285	280	255	260	277	279
Des Moines	473	462	459	463	415	396	403	368	464	491	511	446	451	407	443	494	482
Dickinson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubuque	5737	5882	5969	6024	6172	6357	6148	6572	6747	6649	6895	7244	7506	7807	8046	8472	8762
Emmet	26	28	33	36	37	45	48	22	18	20	28	23	0	0	0	0	0
Fayette	297	304	304	289	297	292	306	335	352	339	340	325	344	330	331	335	342
Floyd	198	186	180	185	200	210	244	262	283	237	256	252	250	267	279	280	265
Franklin	50	50	42	47	47	44	59	52	62	59	32	34	39	36	41	27	28
Fremont	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grundy	49	59	59	42	55	61	74	74	82	78	70	72	69	70	67	58	49
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	127	120	104	102	113	83	84	97	105	92	103	105	93	96	100	105	105
Hancock	52	57	55	57	62	70	75	74	60	56	61	62	69	70	66	72	67
Hardin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	15
Harrison	61	52	49	49	54	45	56	65	65	68	78	78	73	65	64	65	59
Henry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Howard	160	142	142	143	174	214	263	262	279	301	298	295	287	289	291	306	313
Humboldt	208	215	214	204	184	181	170	132	134	147	149	147	152	142	120	121	127
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	215	215	216	197	199	196	222	218	228	191	219	224	236	247	238	243	240
Jackson	557	564	567	533	540	549	559	595	593	605	608	631	642	662	634	660	676
Jasper	200	203	193	181	179	200	212	221	239	220	226	230	234	218	213	205	210



Table 2. Non-Public School Enrollment in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	310	314	366	651	415	418	0	575	493	353	293	218	262	246	104	0	0
Johnson	802	806	808	764	756	720	766	633	609	583	571	584	586	601	604	586	610
Jones	211	192	216	223	214	218	242	225	244	267	282	264	268	274	268	280	286
Keokuk	0	0	0	0	0	0	0	0	15	0	0	0	0	95	102	102	111
Kossuth	824	840	857	846	904	956	934	967	1065	1287	1130	1180	1218	1294	1328	1370	1425
Lee	985	978	989	986	966	966	1053	1079	1148	1143	1195	1234	1350	1383	1382	1413	1390
Linn	2942	2903	2896	3013	2977	2953	3089	2973	3084	3080	3130	3162	3277	3286	3328	3359	3389
Louisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	144	130	129	132	145	126	125	156	158	163	174	189	186	188	187	183	175
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahaska	158	164	179	195	202	208	220	211	221	227	213	197	190	192	203	189	183
Marion	793	814	845	847	847	831	838	826	837	812	795	785	784	778	748	736	729
Marshall	362	349	366	343	359	377	375	383	364	347	350	361	383	410	418	396	301
Mills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	161	172	176	171	177	190	195	201	199	232	247	243	240	252	250	240	255
Monona	69	70	61	75	76	72	79	68	88	81	88	88	88	90	93	91	91
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	213	219	198	216	197	230	223	223	252	270	263	256	272	269	261	279	268
O'Brien	418	437	460	485	487	508	548	573	596	593	560	547	516	547	559	550	565
Osceola	40	37	45	49	53	55	57	73	94	101	110	112	103	114	114	116	122
Page	99	94	97	81	89	87	87	91	95	99	109	93	107	111	100	94	76
Palo Alto	222	236	235	255	259	261	279	276	276	268	263	262	275	272	259	259	268
Plymouth	1030	1019	1013	994	992	982	1001	1014	1004	1021	1051	1046	1058	1082	1096	1097	1139
Pocahontas	110	124	115	103	194	189	181	175	131	137	135	150	148	150	154	177	186
Polk	5012	4922	4731	4614	4588	4946	5197	5091	5302	5278	5617	5646	5714	5689	5586	5480	5529
Pottawattamie	1045	995	976	949	939	913	991	1023	1038	1081	1048	903	922	944	902	936	926
Poweshiek	14	11	10	11	13	22	35	21	17	13	9	8	8	0	0	0	0
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	0	0	0	0	0	54	61	61	55	55	68	78	79	63	67
Scott	2982	2913	2869	2786	2736	2691	2880	2999	2712	2683	2674	2805	2728	2796	2901	2978	2908
Shelby	317	308	308	327	339	339	319	323	342	350	335	335	347	374	399	408	404
Sioux	2867	2871	2905	2946	2853	2892	2809	2869	2840	2686	2663	2634	2608	2354	2380	2423	2459
Story	173	163	173	183	168	167	182	197	186	186	173	184	185	189	190	187	191
Tama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	104	108	116	118	114	123	128	130	127	146	130	94	96	105	119	125	122
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	137	138	136	142	129	120	136	142	150	143	150	102	107	138	137	137	106
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	289	292	292	264	279	272	299	307	315	284	314	312	295	296	289	280	286
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	1087	1145	1200	1225	1184	1166	1238	1260	1478	1308	1318	1375	1385	1435	1436	1491	1508
Winnebago	17	20	19	22	19	17	16	13	13	11	14	12	12	12	9	10	11
Winneshiek	433	441	465	486	517	529	605	558	548	543	560	561	537	537	532	533	525
Woodbury	2519	2568	2656	2662	2686	2678	2730	2786	2833	2873	2909	2848	2928	2898	2839	2822	2792
Worth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
State of Iowa	44312	44563	44752	45341	45242	45873	46924	47959	48988	48808	49454	49558	50668	51339	51495	51956	52504

Table 3. Total (Public and Non-Public) School Enrollment in Iowa Counties, 1980-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1259	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364
Adams	736	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900
Allamakee	2944	2955	3023	2951	2968	2959	2931	2953	2943	2990	3016	3101	3105	3199	3300	3288	3568
Appanoose	2542	2557	2528	2527	2581	2572	2591	2573	2623	2686	2642	2568	2648	2714	2749	2825	2906
Audubon	1162	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499
Benton	4428	4302	4245	4249	4494	4445	4486	4449	4334	4372	4380	4437	4474	4588	4690	4886	5087
Black Hawk	21535	21808	21790	22123	21870	22356	22623	22425	22376	22628	22735	23264	23921	24580	24946	24974	25650
Boone	4491	4482	4374	4381	4341	4295	4269	4240	4251	4211	4257	4277	4250	4273	4273	4393	4500
Bremer	5903	6052	6059	6064	6021	5962	5969	6051	6032	6117	6244	6322	6451	6490	6678	6850	7094
Buchanan	3641	3695	3723	3677	3691	3649	3676	3613	3616	3585	3520	3648	3747	3845	3963	4064	4134
Buena Vista	4305	4345	4356	4338	3778	3772	3647	3425	3420	3392	3547	3424	3444	3426	3433	3498	3602
Butler	2170	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291
Calhoun	2612	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913
Carroll	5035	4982	5033	5127	5102	5027	4931	4810	4740	4647	4637	4666	4749	4848	5025	5139	5393
Cass	3180	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566
Cedar	3672	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3859	3992
Cerro Gordo	8154	8167	8177	8136	8144	8142	8093	8095	8077	8103	8123	8004	8051	7970	7970	8164	8395
Cherokee	2369	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216
Chickasaw	2559	2547	2514	2491	2502	2504	2533	2536	2578	2597	2664	2761	2819	2906	2991	3101	3301
Clarke	1793	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694
Clay	3138	3178	3187	3198	3602	3603	3571	3547	3539	3443	3430	3527	3538	3552	3534	3605	3727
Clayton	3878	3900	3907	3894	3892	3931	3940	3949	3983	3962	3928	4034	4091	4133	4190	4260	4342
Clinton	9460	9563	9705	9797	9899	9963	9895	9928	10017	10122	10454	10716	10889	11205	11585	11869	12227
Crawford	2907	2976	3105	3263	3282	3520	3597	3630	3780	3874	3940	4001	4025	4081	4146	4174	4221
Dallas	7989	7798	7440	7231	7056	6953	6904	6711	6656	6666	6476	6449	6370	6358	6383	6570	6674
Davis	1310	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608
Decatur	1385	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687
Delaware	4117	4122	4060	4092	4016	3949	3903	3786	3776	3725	3703	3679	3714	3935	3859	3956	4069
Des Moines	7955	7965	8074	8106	8060	8111	8165	8118	8229	8311	8324	8208	8240	8212	8474	8747	9089
Dickinson	2895	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938
Dubuque	18257	18363	18336	18404	18235	18250	18017	18591	18979	19463	20000	19652	20149	20748	21416	22327	23406
Emmet	2109	2252	2281	2296	2284	2316	2326	2346	2350	2328	2328	2392	2655	2516	2557	2657	2677
Fayette	4718	4757	4818	4759	4778	4732	4755	4731	4764	4774	4849	5049	5197	5494	5587	5669	6007
Floyd	3334	3298	3365	3356	3424	3417	3418	3404	3494	3475	3509	3602	3760	3832	3998	4140	4269
Franklin	2215	2096	1947	1909	2015	1985	2044	1908	1824	1792	1840	1840	1858	1923	1906	1923	1973
Fremont	1650	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769
Greene	2026	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329
Grundy	3068	2811	2806	2769	2795	2322	2297	2341	2396	2419	2488	2560	2640	2692	2783	2883	2904
Guthrie	2326	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885
Hamilton	3156	3192	3199	3152	3187	3171	3183	3281	3161	3173	3158	3212	3269	3331	3418	3511	3644
Hancock	2181	2127	2141	2377	2394	2467	2468	2426	2462	2446	2442	2466	2434	2494	2509	2609	2650
Hardin	3656	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4546	4801
Harrison	3406	3401	3376	3059	3117	3077	3072	2991	3114	3142	3119	3183	3281	3297	3373	3439	3535
Henry	3773	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764
Howard	2322	2388	2428	2334	2342	2357	2382	2325	2334	2346	2378	2398	2388	2512	2575	2642	2792
Humboldt	2131	2149	2150	2144	2100	2129	2082	2031	2021	2074	2046	2114	2143	2169	2244	2355	2466
Ida	1553	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513
Iowa	2963	2931	3301	3188	3172	3109	3050	2853	2815	2795	2858	2922	2887	2966	3065	3196	3356
Jackson	4216	4219	4247	4265	4265	4224	4180	4183	4248	4358	4338	4440	4640	4865	4839	4981	5131
Jasper	6618	6568	6511	6673	6590	6639	6556	6559	6558	6672	6654	6693	6690	6816	6803	7102	7244

Table 3. Total (Public and Non-Public) School Enrollment in Iowa Counties, 1980-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2444	2451	2396	2662	2429	2520	1977	2551	2513	2370	2329	2338	2508	2528	2453	2467	2596
Johnson	13589	13501	12793	12675	12410	12108	11836	11586	11645	11136	10929	10882	10726	10784	10961	10967	11206
Jones	3724	3715	3778	3746	3551	3429	3456	3529	3523	3582	3649	3734	3785	3820	3905	3982	4236
Keokuk	2471	2488	2445	2440	2399	2437	2447	2436	2425	2429	2395	2451	2450	2497	2464	2582	2729
Kossuth	3572	3552	3564	3573	3589	3635	3636	3616	3626	3774	3713	3898	3972	4101	4211	4356	4608
Lee	7326	7440	7525	7551	7506	7499	7433	7366	7471	7678	7745	7766	7833	7990	8153	8228	8425
Linn	34554	33884	33518	32894	32386	31698	31499	31397	31827	31884	32090	32616	33237	33852	34719	35555	36675
Louisa	2987	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115
Lucas	1632	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832
Lyon	2377	2409	2447	2425	2407	2382	2389	2432	2446	2481	2460	2428	2392	2415	2503	2562	2590
Madison	2893	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972
Mahaska	3558	3469	3549	3516	3569	3494	3514	3484	3462	3450	3472	3459	3513	3496	3483	3424	3497
Marion	6566	6496	6453	6289	6309	6299	6262	6158	6224	6125	6061	6105	6166	6162	6133	6261	6363
Marshall	6891	6924	6848	6716	6773	7098	7191	7134	7139	7294	7286	7320	7507	7768	7891	8051	8344
Mills	2703	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587
Mitchell	2078	2055	2070	2052	2016	2009	2005	2008	2013	2068	2055	2023	2056	2083	2146	2227	2397
Monona	1851	1888	1856	1901	1902	1930	1911	1893	1919	1922	1932	1967	2002	2020	2100	2186	2273
Monroe	1328	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567
Montgomery	2153	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309
Muscatine	7874	7819	8032	7956	8062	8072	7912	7825	7701	7824	7848	7792	7780	7971	8036	8094	8205
O'Brien	3441	3497	3473	3456	3456	3438	3474	3408	3429	3397	3359	3351	3290	3354	3407	3460	3559
Osceola	1093	1083	1083	1044	1072	1039	1012	1008	1032	1060	1053	1061	1074	1107	1126	1134	1275
Page	3314	3108	3173	3171	3187	3248	3288	3299	3227	3255	3239	3262	3303	3273	3288	3337	3389
Palo Alto	2234	2280	2299	2355	2338	2337	2327	2311	2346	2374	2264	2300	2362	2422	2479	2585	2733
Plymouth	5579	5601	5467	5425	5356	5304	5183	5095	5071	5068	4983	4940	4946	4947	5089	5154	5404
Pocahontas	1500	1526	1496	1453	1864	1854	1979	1843	1767	1800	1818	1872	1950	1994	2068	2128	2231
Polk	63717	63054	61765	60589	59876	58945	58924	57120	56776	56618	56689	56945	56776	56886	57420	58783	60414
Pottawattamie	17995	17451	17076	17044	17004	17026	16922	16690	16676	16961	16962	16884	16976	17308	17453	17998	18525
Poweshiek	3261	3276	3198	3162	3103	3124	3046	3040	3105	3168	3107	3110	3161	3203	3318	3432	3517
Ringgold	1002	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141
Sac	2336	2341	2394	2378	2402	2401	2478	2480	2440	2484	2426	2423	2449	2525	2597	2615	2721
Scott	31207	31039	30986	32321	31244	31113	30721	30702	30346	30795	31060	31840	32730	33363	33684	34500	35244
Shelby	2894	3078	3027	3031	2937	2825	2744	2672	2662	2678	2706	2786	2919	2995	3049	3186	3368
Sioux	7293	7269	7279	7304	7134	6780	6827	6764	6708	6502	6393	6371	6292	6104	6121	6258	6424
Story	11178	11247	11196	11093	11265	10673	10348	10170	10014	9944	9686	9727	9687	9766	9828	10075	10443
Tama	2991	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988
Taylor	1335	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597
Union	2335	2324	2374	2468	2435	2515	2503	2582	2574	2609	2613	2588	2664	2679	2687	2723	2796
Van Buren	1453	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686
Wapello	6656	6648	6711	6756	6812	6787	6680	6679	6712	6938	7059	7223	7413	7451	7540	7693	7962
Warren	7639	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467
Washington	3822	3757	3872	3765	3734	3767	3754	3680	3707	3687	3725	3710	3742	3766	3837	3859	3988
Wayne	1256	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414
Webster	7296	7187	7257	7324	7236	7235	7368	7353	7642	7446	7601	7653	7744	7892	8043	8520	8866
Winnebago	2917	3010	2985	2942	2911	2877	2917	2857	2779	2806	2785	2771	2756	2770	2760	2839	2986
Winneshiek	3310	3304	3333	3356	3297	3254	3268	3163	3195	3141	3150	3134	3077	3109	3236	3304	3407
Woodbury	21081	20794	20737	20542	20716	20881	20391	20404	20255	20358	20078	19832	19881	20044	19901	20223	20786
Worth	1175	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429
Wright	3128	3137	3184	2876	2813	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212
State of Iowa		540949		537861		532108		524564		527790		533002		547160		568130	
	542211		539291		534912		529095		525102		528736		539341		555040		586260

The greatest decrease occurred in Dubuque (-1,158); Polk and Black Hawk also reported declines greater than 500.

**Total School Enrollment**

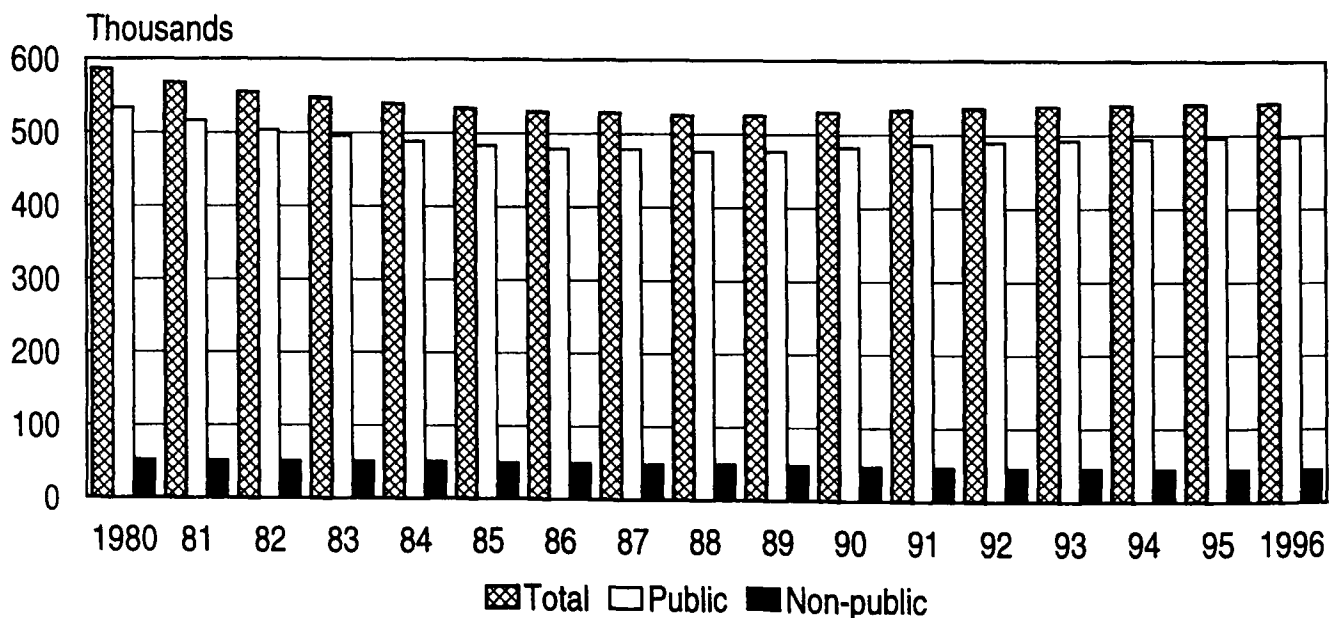
When the public and non-public figures are added, total enrollment was more than 13,000 students higher in 1996 than in 1986 (Table 3). Increases in total student numbers occurred from 1989 to 1996 but decreases took place earlier in the 1980s.

In 1996, nine counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury) each had more than 10,000 students; together, they had 43.0 percent of the state's total enrollees. Eighteen counties had fewer than 2,000 students, although only Adams was below 1,000.

The total number of students increased in 52 counties when 1986 and 1996 were compared. Seven of these (Dallas, Johnson, Linn, Polk, Pottawattamie, Story, Woodbury) reported at least 1,000 more students at the end of the period than at the beginning. Declines among total students were common; 40 of the 47 counties with fewer students in 1996 than in 1986 dropped by at least 50. Three (Black Hawk, Crawford, Dubuque) were down by at least 1,000.

**Note:** These data are from the Basic Educational Data Survey (BEDS) for September of each year. Additional information is available from the Bureau of Planning, Research, and Evaluation in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

Figure 1. Public and non-public school enrollment, 1980-1996.



## Projections of Public School Enrollment in Iowa's Counties: 1997-1998 – 2001-2002

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Xiaoping Wang, Iowa Department of Education

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The Iowa Department of Education projects K-12 enrollment in Iowa's public schools five years into the future. This projection is based on the certified enrollment of previous years plus information on births. Enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Some school districts may merge in the future. That means the administrative headquarters, the location of which determines where students are counted, may change. Such changes will affect projections, thus suggesting that caution be taken in interpreting these numbers.

It is projected that the number of students in Iowa will increase slightly from the 1996-1997 school year to that for 1997-1998 (Table 1). Then the numbers may decline to 2001-2002. The change from 1996-1997 to 2001-2002 would be a decrease of about 10,700 students or 2.1 percent.

Eighteen counties are projected to have more students at the end of the period than at the beginning, with Linn's gain of more than 2,400 slightly larger than the 2,100 increase in Polk. Other gains are predicted to be rather small, with 8 under 100 and the remaining 8 varying from about 150 to 520. These increases would be less than 2 percent in 6 counties, although they could exceed 5 percent in Dallas, Jones, Keokuk, Linn, Louisa, and Poweshiek. The greatest increase—10.2 percent—is projected for Louisa County.

Among the 80 counties that may have fewer students in 2001-2002 than in 1996-1997, declines greater than 500 could occur in Black Hawk, Wapello, and Webster. In 17 others, the decrease is predicted to be less than 100. Percentage declines (-0.6% to -20.2%) are projected to have a much greater range than the percentage gains (0.2% to 10.2%). Fifty of the 80 counties predicted to have declines in the numbers of students could have drops of at least 5 percent. Twenty of these 50 could decrease by at least 10 percent (Figure 1), although only Cherokee, Davis, Decatur, Ida, Pocahontas, and Ringgold may have declines of 15 percent or more. The current projection suggests that the largest percentage decline (-20.2%) could occur in Ringgold County.

Caution is urged in examining and interpreting these figures. Changes of various types could occur that would alter these figures. Such changes would be less likely to affect projections for the state as a whole than for individual counties, where specific factors related to projections are more difficult to predict.

**Note:** Certified enrollment figures are collected at a different point in the school year than the Basic Educational Data Survey (BEDS), which is conducted in September of each year. Thus, the certified numbers reported for 1996-1997 differ slightly from the BEDS counts for that year reported in the previous section in this volume. Additional information is available from the Bureau of Planning, Research, and Evaluation in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

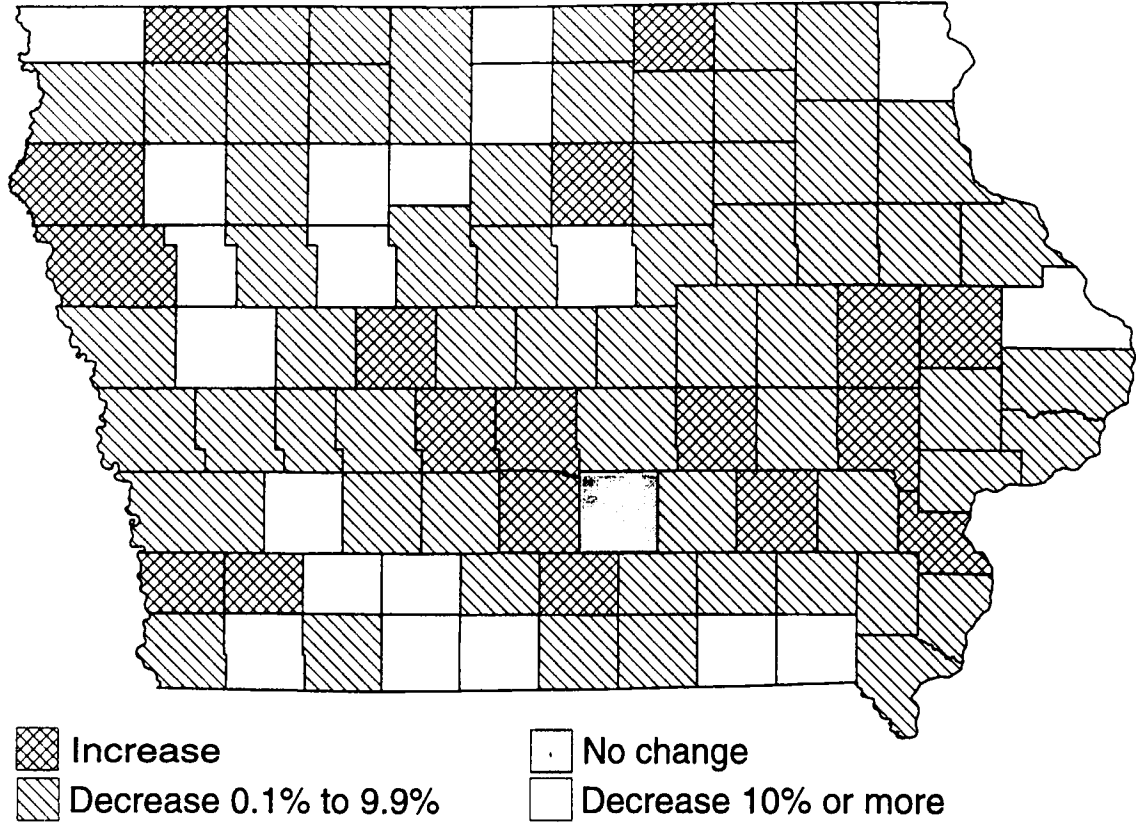
Table 1. Certified Enrollment (1996-1997) and Projected Enrollment (1997-1998 - 2001-2002) of K-12 Public School Students in Iowa Counties.

County	Certified Enrollment		Projected Enrollment			
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
Adair	1292	1262	1240	1207	1190	1179
Adams	779	741	713	690	685	668
Allamakee	2875	2779	2734	2682	2611	2566
Appanoose	2522	2527	2529	2498	2477	2466
Audubon	1201	1161	1150	1103	1108	1112
Benton	4542	4430	4403	4403	4395	4409
Black Hawk	18439	18438	18257	18060	17731	17499
Boone	4408	4286	4221	4168	4124	4097
Bremer	5664	5651	5563	5488	5400	5320
Buchanan	3374	3408	3422	3412	3338	3286
Buena Vista	3896	3932	3907	3886	3794	3731
Butler	2203	2174	2158	2100	2070	2044
Calhoun	2657	2587	2538	2458	2421	2356
Carroll	3472	3450	3412	3319	3274	3215
Cass	3238	3196	3146	3095	2994	2895
Cedar	3710	3724	3724	3692	3663	3643
Cerro Gordo	7445	7497	7400	7278	7177	7039
Cherokee	2412	2330	2260	2165	2072	2017
Chickasaw	2441	2412	2384	2339	2306	2251
Clarke	1789	1809	1801	1748	1701	1658
Clay	3079	3101	3095	3029	2962	2890
Clayton	3742	3759	3679	3625	3544	3476
Clinton	9193	9193	9125	9035	8872	8809
Crawford	2730	2626	2552	2499	2454	2382
Dallas	7923	8041	8162	8188	8288	8442
Davis	1385	1302	1277	1231	1206	1169
Decatur	1400	1283	1260	1214	1194	1186
Delaware	3816	3884	3865	3818	3782	3678
Des Moines	7576	7563	7503	7404	7268	7153
Dickinson	2966	2967	2977	2940	2909	2916
Dubuque	12835	12688	12612	12488	12470	12434
Emmet	2159	2107	2089	2086	2013	1956
Fayette	4506	4505	4453	4448	4407	4353
Floyd	3149	3195	3199	3177	3146	3114
Franklin	2104	2190	2208	2172	2149	2155
Fremont	1689	1650	1633	1600	1569	1539
Greene	2033	2055	2057	2080	2061	2043
Grundy	3132	3050	2990	2932	2923	2887
Guthrie	2391	2371	2389	2367	2339	2301
Hamilton	3136	3084	3068	3074	3036	3006
Hancock	2153	2163	2135	2065	1991	1934
Hardin	3675	3647	3590	3481	3388	3297
Harrison	3431	3411	3411	3375	3343	3348
Henry	3834	3832	3842	3822	3769	3778
Howard	2208	2193	2157	2109	2066	2038
Humboldt	1958	1923	1885	1820	1786	1748
Ida	1572	1553	1501	1414	1364	1308
Iowa	2909	2808	2802	2787	2768	2773
Jackson	3607	3533	3477	3398	3298	3237
Jasper	6455	6531	6555	6460	6425	6383

Table 1. Certified Enrollment (1996-1997) and Projected Enrollment (1997-1998 - 2001-2002) of K-12 Public School Students in Iowa Counties (continued).

County	Certified Enrollment	Projected Enrollment				
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002
Jefferson	2199	2168	2173	2149	2109	2080
Johnson	12994	13165	13257	13287	13246	13183
Jones	3720	3711	3813	3920	4026	4043
Keokuk	2485	2568	2587	2626	2615	2633
Kossuth	2825	2773	2741	2733	2686	2620
Lee	6511	6427	6358	6320	6212	6102
Linn	31813	32682	33190	33726	33830	34257
Louisa	3073	3080	3109	3203	3275	3387
Lucas	1670	1650	1635	1633	1660	1677
Lyon	2296	2220	2194	2137	2074	2050
Madison	2940	2916	2899	2874	2849	2851
Mahaska	3567	3544	3517	3460	3436	3407
Marion	5855	5892	5901	5876	5895	5855
Marshall	6724	6608	6551	6480	6451	6437
Mills	2727	2736	2732	2708	2719	2765
Mitchell	1923	1971	1966	2002	2013	1998
Monona	1860	1827	1845	1848	1834	1791
Monroe	1369	1347	1329	1336	1322	1289
Montgomery	2215	2201	2205	2191	2195	2220
Muscatine	7848	7796	7730	7610	7402	7368
O'Brien	3146	3109	3110	3120	3100	3098
Osceola	1023	1091	1080	1080	1068	1068
Page	3046	3072	2910	2736	2665	2603
Palo Alto	1999	2046	2036	2001	1975	1898
Plymouth	4546	4647	4670	4616	4578	4582
Pocahontas	1402	1299	1291	1276	1235	1192
Polk	59566	60432	61029	61262	61504	61666
Pottawattamie	16887	17250	17184	16947	16647	16449
Poweshiek	3226	3351	3364	3414	3415	3390
Ringgold	1190	1060	1053	1034	989	950
Sac	2405	2345	2345	2307	2259	2246
Scott	28383	28656	28651	28467	28107	27922
Shelby	2637	2629	2625	2601	2573	2549
Sioux	4353	4485	4488	4461	4377	4329
Story	10998	11150	11110	10957	10764	10679
Tama	3074	2999	2987	2951	2942	2928
Taylor	1445	1469	1412	1374	1336	1311
Union	2240	2208	2170	2075	1991	1943
Van Buren	1506	1451	1426	1404	1375	1330
Wapello	6592	6479	6384	6326	6161	6057
Warren	7732	7876	7972	8015	8021	8005
Washington	3678	3614	3571	3485	3488	3501
Wayne	1271	1274	1260	1228	1226	1213
Webster	6326	6202	6123	6008	5899	5820
Winnebago	2944	2924	2880	2802	2735	2647
Winneshiek	2851	2910	2858	2826	2797	2695
Woodbury	18946	18862	18962	19240	19285	19430
Worth	1211	1181	1177	1140	1127	1101
Wright	3184	3191	3174	3108	3056	3020
State of Iowa	505526	506546	505544	502309	497865	494819

Figure 1. Projected percentage change in public school enrollment, 1996-1997 to 2001-2002.





## Ethnicity of Students in Public Schools in Iowa's Counties: 1985-1996

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The Iowa Department of Education gathers information about the race and Hispanic Origin of students enrolled in public primary and secondary schools each year in September. Information on enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Additional caution is merited because some districts have merged between 1985 and 1996, the years for which data are reported. That means the administrative headquarters, the location of which determines where students are counted, may have changed. Such changes will affect year-to-year comparisons. The Department of Education lists a student in one of five categories: American Indian, Asian American, black, Hispanic, or white. In this report, the numbers of American Indians, Asian Americans, blacks and Hispanics are summed at times and referred to as minority enrollees.

### Total and Majority Public School Enrollees

Students in Iowa's public schools numbered 497,900 in the 1996, more than 16,600 (3.5%) higher than 10 years earlier. Public school enrollment had increased each year between 1988 and 1996 after declining from 1985 to 1988. While the 1996 enrollment was higher than several preceding years, it was 50,000 fewer than enrollments from the late 1970s.

Students listed as white totaled 459,200 in 1996 (Table 1). In annual changes from 1986 to 1996, white enrollees increased five times and decreased five times. Whites increased by 1,250 (0.3%) in that period. They constituted 92.2 percent of public school enrollees in 1996, which was a decrease from the 95.1 percent in 1986.

There were fewer than 1,000 white students in Adams and Ringgold counties in 1996. Polk's 49,487 was the highest with eight others exceeding 10,000. Fifty-three counties had fewer white enrollees in 1996 than in 1986; declines of 1,000 or more occurred in Black Hawk, Crawford, and Scott. Gains of at least 1,000 occurred in Dallas, Johnson, Linn, Polk, and Story. Changes among white enrollees ranged from losses exceeding 20.0 percent (Butler, Crawford) to gains greater than 20.0 percent (Carroll, Grundy). Caution is urged in examining change; for example, mergers between districts between 1986 and 1996 could have caused the administrative headquarters to change from one county to another for some students, thus increasing the numbers in one and decreasing them in another.

### Minority Public School Enrollees

More than 38,700 minority students were enrolled in Iowa's public schools in 1996 (Table 2). Unlike white students, those from the other four groups increased each year since 1985. From 1992 to 1993, 1994 to 1995, and 1995 to 1996, increases among minority students were at least 2,000. In the 1986-1996 period, minority students increased almost 15,400 (65.7%) and comprised almost all of the total public school enrollment gain in those years. Minorities constituted 7.8 percent of all public school enrollees in 1996, up from 4.9 percent in 1986.

Although all counties had at least one minority student in 1996, 17 counted fewer than 25 (Tables 1, 2). Eighteen had at least 400 minority enrollees, with more than 3,000 in Black Hawk, Polk, Scott, and

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996.

County	1996					1995					1994				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Adair	0	7	0	3	1249	0	8	0	3	1270	2	10	0	5	1256
Adams	0	1	0	0	735	0	2	0	0	752	0	0	0	0	768
Allamakee	1	19	7	6	2734	1	22	7	8	2729	0	20	7	6	2799
Appanoose	7	15	31	7	2418	3	9	23	5	2452	1	8	15	6	2430
Audubon	3	3	4	0	1152	4	8	2	1	1176	5	8	2	3	1160
Benton	5	19	18	15	4248	0	18	12	15	4127	4	15	6	8	4084
Black Hawk	52	308	2945	239	14739	58	278	2873	204	15032	46	296	2829	167	15180
Boone	11	30	16	16	4145	7	24	14	12	4155	5	20	12	7	4079
Bremer	4	37	20	14	5602	5	29	15	16	5747	11	33	13	15	5743
Buchanan	0	19	10	9	3345	3	23	10	16	3370	2	27	8	14	3380
Buena Vista	2	218	31	335	3257	1	208	28	269	3391	3	196	17	166	3530
Butler	3	16	2	4	2145	2	14	2	4	2443	3	13	9	2	2643
Calhoun	5	12	4	13	2578	3	12	7	6	2611	4	13	2	12	2724
Carroll	5	11	9	20	3361	2	15	7	11	3204	5	13	5	8	3224
Cass	11	15	18	11	3125	5	21	19	17	3171	11	15	20	12	3172
Cedar	5	17	13	27	3610	1	19	12	30	3597	1	18	9	22	3579
Cerro Gordo	10	82	118	255	6948	5	83	114	251	6984	4	76	104	213	7011
Cherokee	7	11	16	11	2324	5	19	22	11	2680	6	11	25	15	2752
Chickasaw	2	13	15	10	2349	4	10	11	9	2358	1	10	8	5	2331
Clarke	4	6	2	4	1777	3	8	2	5	1771	3	13	5	6	1728
Clay	6	46	11	13	2910	7	40	10	8	2981	9	38	10	7	2993
Clayton	12	10	12	7	3683	9	8	10	4	3712	9	11	8	9	3723
Clinton	25	76	287	86	8477	20	73	281	81	8607	18	78	260	79	8751
Crawford	2	29	11	54	2525	2	31	8	32	2587	1	23	9	17	2701
Dallas	8	58	61	246	7384	9	57	44	212	7267	15	55	27	142	7011
Davis	0	3	0	1	1306	0	7	0	1	1311	0	7	0	0	1353
Decatur	6	8	15	3	1353	3	11	6	12	1353	4	6	3	5	1426
Delaware	8	22	6	22	3754	7	22	4	14	3764	4	17	3	19	3694
Des Moines	31	77	475	145	6754	29	78	481	107	6808	22	82	458	97	6956
Dickinson	0	20	8	16	2851	0	31	8	14	2803	0	19	3	10	2820
Dubuque	37	112	202	58	12111	44	119	189	48	12081	35	122	174	50	11986
Emmet	3	12	4	83	1981	4	13	6	89	2112	5	13	7	79	2144
Fayette	3	35	13	36	4334	0	28	16	33	4376	0	22	17	37	4438

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1996					1995					1994				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Floyd	1	14	8	27	3086	2	16	10	33	3051	3	23	12	33	3114
Franklin	1	6	5	204	1949	2	4	5	121	1914	2	3	0	105	1795
Fremont	1	4	1	14	1630	0	2	0	12	1659	0	2	0	19	1658
Greene	2	10	9	22	1983	1	17	4	13	1969	0	17	3	9	1963
Grundy	7	27	8	11	2966	8	24	5	14	2701	5	17	4	17	2704
Guthrie	0	8	5	11	2302	0	8	2	7	2313	1	8	1	8	2329
Hamilton	9	42	11	43	2924	5	43	8	41	2975	3	42	8	39	3003
Hancock	0	10	2	26	2091	0	7	3	22	2038	1	7	4	24	2050
Hardin	13	21	16	82	3524	10	15	12	76	3559	5	17	14	86	3585
Harrison	7	10	9	2	3317	7	13	8	8	3313	7	9	3	5	3303
Henry	2	81	32	31	3627	2	70	30	42	3678	1	68	33	26	3822
Howard	0	14	1	2	2145	0	15	1	5	2225	2	14	0	7	2263
Humboldt	0	3	4	2	1914	1	4	7	1	1921	1	5	5	1	1924
Ida	5	9	6	2	1531	3	5	8	1	1561	0	8	2	0	1618
Iowa	5	21	6	57	2659	3	15	6	54	2638	5	12	8	46	3014
Jackson	3	8	14	9	3625	3	11	9	8	3624	2	7	6	5	3660
Jasper	5	57	32	38	6286	8	60	22	33	6242	6	53	20	38	6201
Jefferson	1	23	9	22	2079	2	26	10	28	2071	3	20	14	22	1971
Johnson	62	529	615	325	11256	56	546	516	316	11261	53	536	470	288	10638
Jones	6	21	18	12	3456	2	14	15	6	3486	0	15	13	13	3521
Keokuk	0	9	8	9	2445	1	7	4	7	2469	0	9	4	6	2426
Kossuth	1	24	5	37	2681	0	24	3	20	2665	1	15	4	14	2673
Lee	21	65	249	153	5853	13	62	246	139	6002	11	60	272	139	6054
Linn	116	559	1456	385	29096	122	564	1357	363	28575	114	520	1322	342	28324
Louisa	7	13	4	439	2524	10	12	49	343	2578	6	15	6	309	2546
Lucas	2	10	3	9	1608	0	3	6	8	1564	0	8	4	8	1574
Lyon	4	8	11	6	2204	7	11	6	7	2248	4	8	8	4	2294
Madison	3	10	6	13	2861	0	8	5	4	2850	0	9	6	9	2818
Mahaska	5	41	14	9	3331	1	46	15	13	3230	4	51	14	13	3288
Marion	2	103	25	28	5615	3	95	18	27	5539	2	106	22	29	5449
Marshall	29	99	88	439	5874	36	98	89	347	6005	32	92	106	252	6000
Mills	4	12	11	23	2653	2	8	6	15	2610	0	7	7	6	2528
Mitchell	0	14	0	1	1902	0	13	0	0	1870	0	15	0	0	1879

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1996					1995					1994				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Monona	14	2	0	10	1756	15	3	1	3	1796	4	4	6	0	1781
Monroe	0	17	8	10	1293	0	20	8	11	1327	0	19	8	11	1348
Montgomery	0	5	3	5	2140	0	4	2	7	2112	1	4	2	13	2107
Muscatine	13	122	83	1151	6292	10	107	87	1100	6296	5	110	91	1093	6535
O'Brien	10	22	6	34	2951	4	19	4	33	3000	7	13	3	12	2978
Osceola	5	5	9	17	1017	8	2	7	19	1010	5	6	7	21	999
Page	6	37	137	51	2984	2	18	16	31	2947	5	23	14	37	2997
Palo Alto	5	16	9	18	1964	3	11	7	11	2012	3	11	5	6	2039
Plymouth	11	37	27	29	4445	8	43	20	25	4486	10	33	13	13	4385
Pocahontas	3	15	8	16	1348	2	14	3	5	1378	1	12	2	7	1359
Polk	280	2132	4839	1967	49487	261	2119	4686	1717	49349	251	2085	4459	1389	48850
Pottawattamie	84	106	166	387	16207	86	86	141	341	15802	93	90	159	258	15500
Poweshiek	15	41	27	18	3146	8	42	26	14	3175	8	41	26	14	3099
Ringgold	0	4	1	2	995	0	5	1	0	1010	0	4	1	1	1041
Sac	0	2	4	13	2317	6	1	3	12	2319	0	1	1	3	2389
Scott	260	609	3067	1219	23070	248	532	3041	1080	23225	213	536	2984	1042	23342
Shelby	5	14	4	14	2540	9	13	6	7	2735	2	15	1	7	2694
Sioux	18	44	17	67	4280	11	38	10	51	4288	12	42	12	36	4272
Story	29	452	243	146	10135	28	437	250	179	10190	33	465	234	156	10135
Tama	200	17	19	125	2630	188	18	15	108	2675	170	18	9	88	2775
Taylor	1	13	11	39	1271	0	11	4	44	1287	0	7	4	19	1296
Union	3	8	10	13	2197	6	7	6	10	2187	2	4	6	1	2245
Van Buren	1	8	2	6	1436	1	2	0	6	1447	2	3	2	1	1487
Wapello	17	90	82	63	6267	25	68	88	45	6284	12	62	84	38	6379
Warren	10	46	36	37	7510	10	45	42	50	7516	11	51	41	40	7523
Washington	0	17	43	106	3367	0	14	48	79	3324	1	14	48	72	3445
Wayne	0	11	8	4	1233	0	4	6	5	1250	1	10	3	1	1202
Webster	12	75	340	88	5694	9	69	306	73	5585	10	59	311	87	5590
Winnebago	10	29	13	49	2799	14	28	6	39	2903	11	27	4	36	2888
Winneshiek	1	33	9	6	2828	1	32	8	3	2819	1	35	6	4	2822
Woodbury	616	610	642	1557	15137	648	562	676	1309	15031	606	540	662	998	15275
Worth	7	3	4	15	1146	4	1	6	16	1165	0	1	3	20	1206
Wright	1	17	13	74	3023	2	24	7	73	3031	0	13	7	40	3124
State of Iowa	2239	7911	16965	11618	459166	2173	7613	16265	10188	460147	1993	7464	15688	8729	460665

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1993					1992					1991				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Adair	2	10	0	7	1207	4	7	0	12	1229	0	6	0	7	1171
Adams	0	0	0	0	755	0	0	0	1	727	0	0	0	0	770
Allamakee	2	22	9	7	2736	1	18	2	12	2741	3	13	3	12	2731
Appanoose	1	6	16	7	2431	0	11	20	8	2485	0	8	18	5	2487
Audubon	2	6	3	3	1190	2	4	1	3	1227	2	3	2	4	1200
Benton	4	18	8	12	4079	5	12	14	13	4318	9	13	11	17	4272
Black Hawk	48	305	2713	116	15267	50	321	2455	117	15200	41	303	2679	102	15500
Boone	4	22	9	15	4086	6	18	9	20	4046	8	19	15	21	3980
Bremer	6	29	15	11	5751	5	25	16	12	5716	2	24	11	10	5652
Buchanan	2	19	9	16	3364	1	16	8	19	3402	0	10	7	15	3350
Buena Vista	5	193	25	89	3586	3	188	18	70	3153	3	169	18	42	3213
Butler	4	11	4	4	2620	2	12	5	12	2625	0	13	5	12	2637
Calhoun	4	14	4	8	2668	3	10	5	15	2576	1	11	3	19	2568
Carroll	2	13	4	3	3291	2	14	3	12	3264	5	13	4	34	3123
Cass	5	16	24	14	3129	2	16	14	18	3144	1	20	8	9	3223
Cedar	1	13	8	35	3531	1	12	2	16	3643	0	15	4	20	3601
Cerro Gordo	1	78	101	221	6956	0	81	80	192	6968	2	69	82	162	7034
Cherokee	8	14	21	10	3029	3	10	11	10	2776	5	9	17	7	2756
Chickasaw	1	8	5	6	2332	1	2	5	8	2330	1	2	3	3	2330
Clarke	3	12	4	3	1691	0	12	2	5	1734	1	14	2	4	1724
Clay	6	42	9	8	3006	6	29	9	14	3400	11	29	5	14	3391
Clayton	2	9	11	3	3715	7	9	11	3	3707	7	9	9	6	3738
Clinton	18	94	251	79	8834	21	72	238	66	8968	29	70	218	55	9046
Crawford	4	28	4	15	2877	7	29	3	15	2902	7	30	4	16	3153
Dallas	5	45	29	105	6876	4	40	30	68	6745	5	46	22	64	6639
Davis	0	3	0	3	1382	0	7	1	3	1399	0	4	2	1	1416
Decatur	1	9	2	3	1327	3	11	4	6	1418	0	7	3	6	1444
Delaware	7	20	10	23	3694	0	17	1	11	3650	3	22	4	11	3568
Des Moines	17	87	450	93	6996	19	69	426	106	7025	14	59	465	94	7083
Dickinson	0	20	9	11	2707	0	17	6	13	2754	3	15	7	6	2740
Dubuque	33	116	147	66	12018	40	118	96	56	11753	27	116	94	61	11595
Emmet	6	12	4	63	2175	5	14	9	60	2159	6	15	4	48	2198
Fayette	3	23	8	28	4408	3	13	11	21	4433	5	14	5	27	4389

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1993					1992					1991				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Floyd	4	23	6	31	3107	0	30	8	30	3156	5	32	7	14	3149
Franklin	1	3	0	67	1791	2	5	2	77	1882	2	1	0	75	1863
Fremont	0	2	0	17	1677	0	3	1	20	1668	0	3	1	21	1679
Greene	0	14	6	6	1949	0	9	5	5	1930	3	10	5	14	1964
Grundy	2	16	3	16	2690	3	14	5	5	2713	3	3	6	2	2247
Guthrie	1	10	2	15	2397	0	16	1	12	2382	0	14	3	12	2424
Hamilton	3	45	5	29	2968	4	33	6	32	2999	1	44	5	23	3015
Hancock	0	11	6	27	2276	1	13	5	32	2281	1	8	7	33	2348
Hardin	11	17	14	55	3617	10	17	10	44	3626	7	23	12	46	3934
Harrison	4	7	3	4	2992	9	9	3	5	3037	7	6	7	8	3004
Henry	3	75	22	28	3776	3	74	19	23	3841	7	73	18	19	3744
Howard	2	16	0	4	2169	2	13	0	3	2150	3	11	0	7	2122
Humboldt	0	6	6	3	1925	0	10	3	0	1903	0	12	1	0	1935
Ida	2	8	0	0	1740	0	5	2	1	1636	0	10	1	0	1574
Iowa	3	11	7	34	2936	5	12	7	20	2929	7	15	4	20	2867
Jackson	3	9	5	9	3706	2	9	9	7	3698	2	12	5	1	3655
Jasper	6	66	19	45	6356	5	76	21	46	6263	3	69	20	37	6310
Jefferson	1	23	14	22	1951	2	22	16	20	1954	1	28	15	19	2039
Johnson	64	512	469	267	10599	48	453	419	227	10507	43	459	385	178	10323
Jones	2	17	7	12	3485	3	16	6	6	3306	5	11	4	2	3189
Keokuk	0	12	4	5	2419	0	10	7	7	2375	1	9	1	5	2421
Kossuth	1	15	2	14	2695	1	16	2	17	2649	2	16	1	15	2645
Lee	8	56	253	143	6105	7	56	256	149	6072	4	56	261	142	6070
Linn	134	495	1286	307	27659	84	478	1114	273	27460	105	472	1146	288	26734
Louisa	9	14	7	267	2551	11	12	14	236	2551	42	11	29	192	2446
Lucas	0	6	10	7	1597	0	7	8	2	1563	2	7	5	7	1562
Lyon	3	8	7	3	2272	5	9	14	3	2231	7	10	8	4	2227
Madison	0	8	3	7	2777	0	5	4	6	2830	0	8	2	7	2830
Mahaska	7	65	11	21	3217	4	59	9	19	3276	4	65	11	17	3189
Marion	7	107	23	21	5284	4	81	21	29	5327	4	102	15	30	5317
Marshall	38	90	98	168	5979	33	81	97	132	6071	19	94	71	99	6438
Mills	1	4	7	3	2604	4	7	3	3	2639	0	3	3	4	2576
Mitchell	1	8	1	2	1869	0	11	1	3	1824	0	14	0	1	1804

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1993					1992					1991				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Monona	6	2	7	1	1810	3	1	0	3	1819	2	0	0	4	1852
Monroe	0	20	3	8	1333	1	16	2	6	1379	3	22	3	6	1342
Montgomery	1	7	6	11	2116	1	2	7	9	2118	2	4	6	11	2196
Muscatine	6	116	84	1071	6463	3	103	82	1027	6650	5	105	70	1037	6625
O'Brien	5	13	3	12	2938	4	13	4	12	2936	3	19	3	7	2898
Osceola	5	4	5	12	969	4	1	2	9	1003	3	4	3	3	971
Page	1	39	12	56	2982	0	32	10	54	3002	0	25	14	45	3077
Palo Alto	4	13	1	12	2070	5	12	10	5	2047	2	11	4	4	2055
Plymouth	1	28	12	10	4380	1	23	8	11	4321	3	23	9	8	4279
Pocahontas	2	14	7	5	1322	0	16	3	8	1643	2	17	1	4	1641
Polk	238	2085	4066	1187	48399	222	1881	4075	1096	48014	189	1767	3894	912	47237
Pottawattamie	49	72	173	255	15546	63	57	141	287	15517	74	74	139	245	15581
Poweshiek	0	40	17	14	3080	4	54	22	14	2996	2	57	24	12	3007
Ringgold	0	3	1	0	1014	0	5	2	0	999	1	9	0	0	1027
Sac	0	2	4	1	2371	0	4	4	0	2394	0	5	1	4	2391
Scott	164	577	3171	1066	24557	171	520	2886	1000	23931	166	512	2884	962	23898
Shelby	1	10	1	4	2688	0	10	0	4	2584	0	9	0	6	2471
Sioux	15	54	17	20	4252	11	39	6	19	4206	7	31	4	19	3827
Story	16	467	216	133	10078	16	452	177	111	10341	12	425	152	143	9774
Tama	202	22	12	72	2766	173	26	14	75	3219	190	23	12	60	3020
Taylor	0	10	5	17	1282	0	11	4	13	1263	0	9	3	4	1322
Union	0	1	1	1	2347	2	8	1	2	2308	0	9	3	3	2377
Van Buren	0	10	2	4	1462	0	7	1	4	1437	0	7	0	1	1423
Wapello	11	70	92	40	6401	8	57	84	26	6508	5	61	79	29	6493
Warren	8	57	45	26	7432	7	48	34	28	7195	3	54	27	26	7151
Washington	1	14	39	65	3382	2	8	40	47	3358	2	11	33	49	3400
Wayne	0	12	2	0	1188	1	10	5	0	1233	1	11	1	2	1265
Webster	19	53	327	75	5625	14	51	296	56	5635	9	46	281	59	5674
Winnebago	11	26	2	28	2853	8	30	2	30	2822	2	27	3	31	2797
Winneshiek	2	36	7	6	2819	3	43	6	6	2722	4	35	6	8	2672
Woodbury	610	517	654	845	15254	562	462	646	704	15656	561	395	617	594	16036
Worth	0	1	8	20	1172	2	2	4	17	1212	0	2	2	12	1201
Wright	0	22	5	33	2816	2	17	8	27	2759	0	12	6	31	2769
State of Iowa	1906	7513	15229	7856	460016	1751	6926	14199	7221	459573	1744	6702	14077	6597	457115

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1990					1989					1988				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Adair	0	7	0	9	1179	0	6	1	2	1144	1	7	2	2	1137
Adams	0	2	0	0	773	0	0	0	0	767	0	0	0	2	819
Allamakee	4	11	4	12	2713	5	10	3	11	2741	8	10	1	9	2716
Appanoose	0	16	19	3	2465	0	11	15	4	2458	0	8	14	3	2518
Audubon	0	0	2	2	1206	0	0	1	0	1183	0	0	1	0	1200
Benton	5	13	13	19	4291	5	11	6	15	4271	5	15	6	10	4168
Black Hawk	40	310	2717	97	15688	25	281	2606	101	15760	39	260	2414	93	15892
Boone	5	19	10	9	3956	2	11	6	10	3915	2	15	11	6	3901
Bremer	4	25	12	5	5550	2	28	8	4	5642	2	30	6	6	5606
Buchanan	1	21	11	9	3389	0	8	6	7	3337	0	10	8	5	3294
Buena Vista	3	130	11	24	3165	0	118	18	8	2986	0	84	14	1	3008
Butler	0	8	6	11	2746	0	8	3	0	2732	2	11	4	6	2808
Calhoun	3	4	3	13	2443	3	8	3	2	2451	1	8	2	1	2314
Carroll	4	9	1	22	3048	0	8	2	21	2907	2	8	6	4	2855
Cass	2	21	6	14	3206	2	13	4	7	3226	1	12	3	11	3155
Cedar	3	24	6	23	3633	0	20	6	15	3565	1	14	2	12	3570
Cerro Gordo	2	66	78	181	7033	3	72	71	183	7001	5	63	63	172	7100
Cherokee	2	11	15	1	2772	1	6	15	6	2743	4	11	11	1	2821
Chickasaw	0	4	2	4	2357	0	3	3	4	2349	1	2	2	2	2387
Clarke	0	13	1	4	1714	0	11	1	5	1624	2	9	2	2	1690
Clay	7	41	4	6	3382	5	28	1	4	3373	4	27	4	5	3347
Clayton	7	11	8	8	3755	7	13	13	17	3744	3	9	8	14	3796
Clinton	26	73	214	60	8980	15	74	195	48	9063	9	64	193	27	9112
Crawford	7	33	6	12	3195	8	27	7	8	3237	4	33	5	18	3375
Dallas	4	30	16	23	6578	4	30	15	19	6367	6	23	21	12	6303
Davis	2	4	1	0	1408	1	4	1	1	1377	2	5	1	1	1439
Decatur	2	8	3	6	1461	3	9	3	8	1440	0	14	0	9	1437
Delaware	5	21	4	8	3548	6	13	6	5	3431	0	15	6	5	3447
Des Moines	13	68	439	129	7151	12	69	393	95	7234	10	67	373	88	7290
Dickinson	2	15	10	11	2778	1	14	14	8	2783	1	16	8	6	2720
Dubuque	34	99	85	35	11697	6	73	62	43	11897	13	71	81	31	12113
Emmet	6	12	5	30	2232	4	13	8	17	2283	9	15	7	21	2282
Fayette	1	17	6	26	4418	2	19	6	20	4374	6	14	7	21	4393



Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1990					1989					1988				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Floyd	5	24	6	16	3132	1	29	6	17	3095	0	21	3	14	3187
Franklin	2	4	2	67	1910	1	3	2	27	1823	1	4	3	28	1726
Fremont	0	0	0	11	1678	0	0	0	11	1663	0	3	0	9	1667
Greene	0	12	3	3	1891	0	16	4	3	1864	2	14	1	3	1881
Grundy	0	4	2	5	2213	0	2	4	2	2260	1	4	1	2	2306
Guthrie	1	12	3	10	2464	3	5	7	8	2406	2	6	11	10	2406
Hamilton	1	36	8	20	3047	0	37	5	34	3136	1	26	5	29	3021
Hancock	0	13	6	27	2357	0	11	1	26	2318	0	13	0	18	2378
Hardin	8	14	12	28	3916	8	13	9	34	3909	4	11	9	17	3939
Harrison	7	9	4	3	3005	6	7	4	6	2914	6	4	3	6	3050
Henry	9	62	29	35	3705	2	64	8	14	3591	1	43	8	5	3568
Howard	0	13	0	7	2099	0	9	0	3	2051	0	6	0	5	2044
Humboldt	0	7	0	1	1904	0	7	1	5	1886	0	7	2	5	1873
Ida	0	7	1	1	1578	0	4	2	2	1566	0	2	2	0	1523
Iowa	3	14	3	18	2808	2	11	3	9	2619	3	20	0	14	2561
Jackson	1	10	9	2	3617	1	9	4	3	3590	3	9	5	6	3649
Jasper	3	74	17	41	6241	3	69	13	28	6262	3	78	13	20	6241
Jefferson	0	24	10	8	1948	0	25	5	13	1941	0	21	14	10	1975
Johnson	41	435	371	167	10089	40	416	343	153	10031	36	379	310	158	10209
Jones	2	11	1	5	3208	1	10	3	0	3313	4	13	2	2	3271
Keokuk	0	12	0	0	2445	2	13	0	2	2420	2	11	1	0	2398
Kossuth	1	17	1	16	2684	1	12	1	11	2637	2	13	0	16	2534
Lee	4	49	258	142	5961	2	37	252	142	5895	4	45	249	138	5914
Linn	83	423	1080	267	26650	66	394	1007	238	26813	54	355	973	230	27254
Louisa	9	11	34	192	2563	0	11	17	146	2685	0	14	9	116	2708
Lucas	4	7	4	4	1568	4	8	4	2	1595	1	4	4	2	1579
Lyon	3	18	3	3	2241	2	23	4	1	2250	0	20	5	3	2265
Madison	3	11	1	12	2793	6	8	2	10	2826	6	13	6	10	2825
Mahaska	2	67	5	18	3214	4	71	6	8	3184	2	74	5	14	3155
Marion	1	90	16	25	5308	1	95	13	14	5223	9	87	12	22	5270
Marshall	18	108	64	68	6458	16	99	64	44	6577	43	98	58	42	6591
Mills	0	3	7	8	2564	1	3	2	8	2566	1	6	5	8	2589
Mitchell	0	14	0	8	1808	0	7	0	5	1802	4	8	0	0	1808

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1990					1989					1988				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Monona	0	9	0	4	1828	0	1	0	12	1822	1	4	1	8	1822
Monroe	3	24	4	5	1327	2	23	5	4	1334	0	19	6	9	1308
Montgomery	1	5	1	7	2163	1	3	1	6	2162	0	4	1	5	2227
Muscatine	3	101	53	933	6614	3	115	59	836	6627	5	105	61	748	6573
O'Brien	2	17	4	6	2919	1	16	7	6	2831	1	14	5	8	2811
Osceola	3	6	0	0	946	3	5	0	2	925	6	13	0	0	919
Page	1	20	16	35	3143	2	17	16	34	3153	1	20	12	9	3103
Palo Alto	2	7	3	4	2043	1	10	3	7	2027	0	2	2	6	2075
Plymouth	2	10	6	7	4170	1	14	7	3	4064	1	6	6	10	4056
Pocahontas	0	7	1	8	1794	0	11	1	3	1656	0	3	2	2	1634
Polk	154	1773	3868	845	47379	133	1659	3659	791	46057	131	1612	3679	790	45508
Pottawattamie	77	91	124	243	15525	69	69	119	237	15236	57	74	103	217	15246
Poweshiek	3	53	13	10	2952	3	52	8	10	2959	3	40	7	4	3054
Ringgold	0	9	1	0	1017	0	13	2	0	1052	0	13	2	1	1039
Sac	0	13	0	4	2473	0	5	1	3	2432	1	10	2	4	2369
Scott	193	438	2826	880	23630	131	428	2753	1058	23438	99	444	2594	771	23847
Shelby	1	11	2	9	2405	1	15	3	6	2336	2	11	3	5	2308
Sioux	13	38	4	10	3989	6	38	4	8	3873	11	32	4	9	3846
Story	18	456	165	127	9445	17	449	145	121	9288	12	410	128	118	9199
Tama	184	30	14	31	3034	250	30	6	38	3047	227	20	5	32	3077
Taylor	0	9	3	0	1362	0	11	4	4	1399	1	7	4	3	1466
Union	1	12	2	3	2373	0	15	2	1	2443	0	13	0	2	2456
Van Buren	0	7	2	0	1418	0	8	2	1	1414	0	7	2	0	1436
Wapello	5	51	82	10	6397	4	47	85	17	6429	2	38	74	8	6490
Warren	9	55	33	29	7029	8	49	34	25	6847	8	41	32	14	6939
Washington	0	11	26	26	3332	3	18	16	16	3327	1	19	8	11	3363
Wayne	0	11	1	2	1238	0	10	1	3	1197	1	10	1	1	1195
Webster	7	47	292	57	5768	7	44	288	56	5723	7	56	277	47	5808
Winnebago	5	27	2	45	2832	4	28	7	40	2786	2	28	4	36	2709
Winneshiek	3	27	8	6	2642	1	27	4	4	2596	0	26	9	6	2635
Woodbury	519	388	566	492	15759	485	334	536	362	15955	462	320	525	292	15908
Worth	0	1	2	16	1118	0	1	3	20	1107	0	3	4	12	1164
Wright	1	22	7	25	2707	1	15	7	17	2705	1	14	5	22	2680
State of Iowa	1615	6547	13809	5933	455748	1432	6127	13086	5478	452363	1381	5820	12573	4778	453648

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1987					1986					1985				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Adair	0	7	2	2	1213	0	8	2	2	1210	0	6	6	1	1237
Adams	0	2	0	0	814	0	4	0	0	788	0	0	0	0	804
Allamakee	3	6	6	5	2778	0	3	3	2	2801	1	3	2	1	2877
Appanoose	4	12	17	4	2538	2	11	18	2	2499	1	8	22	1	2441
Audubon	0	0	1	0	1231	0	6	1	0	1259	0	7	1	2	1300
Benton	7	12	7	6	4213	5	11	8	10	4255	6	13	2	9	4284
Black Hawk	43	239	2525	81	16026	34	247	2242	86	16507	26	246	2473	72	16879
Boone	5	22	13	8	3826	1	16	7	4	3909	3	19	9	3	3923
Bremer	3	28	8	6	5682	4	29	16	5	5803	4	42	18	3	5964
Buchanan	0	9	8	2	3270	0	18	4	2	3170	1	12	7	6	3263
Buena Vista	0	60	8	4	2999	0	156	11	10	3045	0	57	9	2	3035
Butler	2	7	1	1	2785	1	8	1	1	2769	1	6	0	1	2839
Calhoun	1	8	3	2	2469	2	8	1	3	2508	1	7	1	0	2528
Carroll	0	8	2	5	2685	2	11	2	1	2650	2	6	5	2	2655
Cass	0	9	6	7	3205	6	14	6	8	3174	6	5	9	5	3212
Cedar	0	15	4	11	3507	1	14	3	11	3496	1	9	3	8	3548
Cerro Gordo	2	78	59	166	7181	2	67	57	151	7087	1	75	64	154	7012
Cherokee	4	8	11	0	2894	0	8	9	0	2818	0	4	12	1	2866
Chickasaw	1	1	2	3	2421	0	7	4	2	2472	0	5	1	1	2565
Clarke	1	13	3	4	1719	1	10	4	3	1648	0	10	2	0	1650
Clay	4	27	4	9	3228	3	28	0	6	3230	3	36	0	5	3330
Clayton	4	5	8	9	3773	0	3	7	7	3747	0	4	7	6	3867
Clinton	21	58	180	25	9132	28	67	169	27	9368	14	63	173	29	9577
Crawford	6	36	9	24	3424	1	34	6	20	3525	1	32	8	17	3589
Dallas	0	45	30	13	6277	3	34	23	18	6196	2	36	24	12	6175
Davis	0	3	0	3	1441	0	7	0	1	1475	1	11	1	5	1482
Decatur	2	19	1	7	1532	2	15	2	6	1531	1	8	0	5	1522
Delaware	1	10	4	5	3420	4	11	4	1	3396	1	7	3	0	3395
Des Moines	8	67	373	72	7356	5	70	370	67	7391	7	73	354	72	7308
Dickinson	0	14	6	5	2734	1	13	4	6	2748	0	13	6	4	2789
Dubuque	17	80	70	24	12697	38	163	136	48	12854	13	76	55	24	12318
Emmet	10	15	4	27	2258	10	17	3	23	2250	9	16	6	25	2319
Fayette	5	14	9	19	4428	3	14	7	24	4483	2	14	6	32	4689

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1987					1986					1985				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Floyd	1	30	5	10	3201	0	20	7	13	3226	2	20	9	7	3312
Franklin	1	1	2	37	1692	0	2	1	13	1792	0	2	1	21	1782
Fremont	0	0	0	14	1710	0	2	0	23	1720	1	2	0	15	1734
Greene	3	8	0	5	1829	3	11	1	2	1923	3	8	0	0	2015
Grundy	1	6	3	1	2330	1	12	2	0	2403	0	11	2	0	2477
Guthrie	2	6	8	10	2564	0	6	2	7	2570	3	7	3	6	2614
Hamilton	1	34	6	23	3024	1	39	9	23	2993	1	29	2	20	3070
Hancock	0	9	0	12	2376	1	9	1	18	2352	0	3	0	14	2387
Hardin	5	17	11	12	3760	5	15	8	7	4035	7	14	2	4	4086
Harrison	7	3	3	6	3081	8	6	3	2	3032	7	7	3	2	3102
Henry	1	44	13	11	3531	0	54	10	13	3569	0	53	9	10	3542
Howard	0	3	0	1	2041	0	12	0	1	2067	0	15	0	5	2083
Humboldt	1	1	1	3	1921	1	4	1	2	1890	1	4	7	3	1952
Ida	0	4	1	2	1542	1	3	0	0	1491	0	3	0	0	1450
Iowa	0	15	1	16	2587	0	18	2	18	2620	1	22	0	19	2672
Jackson	1	6	7	0	3757	0	7	9	0	3739	0	7	3	8	3808
Jasper	6	87	12	24	6340	2	78	16	25	6326	2	69	11	32	6362
Jefferson	0	16	12	9	1980	0	19	12	3	2010	0	19	12	3	2095
Johnson	60	372	295	138	9716	44	367	261	139	9572	47	356	251	132	9542
Jones	0	7	0	1	3328	0	5	0	0	3373	0	4	2	2	3473
Keokuk	0	13	0	3	2415	2	10	2	3	2387	0	8	2	7	2450
Kossuth	3	12	0	17	2459	3	7	0	8	2573	2	15	0	19	2686
Lee	9	80	235	110	6134	3	40	208	129	6206	3	46	217	125	6175
Linn	54	375	907	237	27368	48	406	919	218	27516	55	384	900	238	28008
Louisa	0	7	5	91	2740	0	7	4	86	2742	0	10	1	70	2749
Lucas	0	6	4	3	1650	0	2	3	3	1646	0	2	3	0	1647
Lyon	2	18	4	1	2298	2	22	4	4	2256	1	21	4	2	2217
Madison	7	2	2	12	2823	6	5	3	4	2825	4	7	3	6	2804
Mahaska	2	59	10	5	3160	5	65	7	9	3182	1	55	6	8	3203
Marion	6	96	12	24	5188	1	94	14	16	5159	0	78	14	17	5223
Marshall	8	93	53	48	6800	11	103	61	42	6760	10	107	56	32	6844
Mills	0	4	2	3	2638	4	3	2	3	2535	3	0	3	9	2607
Mitchell	2	6	0	3	1832	3	9	0	2	1797	1	7	0	2	1779

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Public Schools in Iowa Counties, 1985-1996 (continued).

County	1987					1986					1985				
	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White	American Indian	Asian American	Black	Hispanic	White
Monona	0	3	1	5	1844	0	1	0	1	1850	1	0	0	1	1885
Monroe	2	12	7	7	1344	0	10	5	5	1356	3	5	5	2	1395
Montgomery	2	3	4	11	2169	0	6	3	9	2208	0	4	4	8	2265
Muscatine	5	93	66	739	6690	0	76	52	648	6846	1	66	39	670	6800
O'Brien	1	14	4	6	2798	1	12	5	9	2785	0	17	6	5	2779
Osceola	3	7	0	2	949	4	8	0	2	937	3	4	0	0	942
Page	4	22	16	26	3116	1	15	12	5	3111	2	14	11	6	3150
Palo Alto	0	4	1	5	2110	0	4	2	5	2004	0	3	1	4	2039
Plymouth	1	8	5	8	4041	0	5	9	4	3931	0	12	6	1	3885
Pocahontas	0	2	0	0	1664	0	2	0	0	1681	0	4	0	0	1718
Polk	115	1541	3792	779	45286	95	1535	3735	732	45189	110	1518	3753	685	45443
Pottawattamie	43	59	103	204	15541	54	51	108	201	15583	59	51	108	203	15628
Poweshiek	1	44	7	4	3117	4	47	3	4	3045	3	44	2	5	3052
Ringgold	0	12	2	0	1001	0	9	2	0	972	0	6	2	0	1009
Sac	1	2	1	0	2420	0	2	0	2	2369	3	5	2	4	2356
Scott	91	375	2583	759	24419	78	365	2588	693	24756	79	345	2578	722	25416
Shelby	0	10	2	5	2315	0	11	2	8	2358	1	12	4	6	2440
Sioux	8	44	3	3	3761	6	39	4	5	3698	5	41	5	2	3712
Story	8	364	124	91	9210	12	365	125	82	8967	17	333	131	67	9030
Tama	198	25	3	28	3139	194	25	0	28	3179	156	25	2	22	3264
Taylor	0	9	1	0	1499	1	6	0	0	1433	1	3	0	0	1497
Union	2	17	0	3	2446	0	13	1	1	2481	0	18	1	1	2491
Van Buren	1	7	1	0	1464	0	10	0	1	1477	0	9	0	2	1497
Wapello	5	43	87	7	6653	2	42	77	7	6781	0	46	80	12	6983
Warren	9	42	32	14	7070	9	38	28	12	6911	12	43	33	8	6872
Washington	2	15	6	8	3381	3	20	2	10	3386	3	8	2	6	3390
Wayne	0	15	2	0	1198	0	11	1	0	1232	0	10	0	0	1258
Webster	9	44	273	60	5780	11	37	295	51	5931	12	53	299	50	5902
Winnebago	2	27	6	41	2730	1	24	4	41	2718	4	26	6	29	2706
Winneshiek	0	31	9	7	2570	1	37	11	7	2549	2	20	11	5	2549
Woodbury	483	276	483	257	16039	435	303	417	196	15869	344	214	393	180	15906
Worth	0	3	2	12	1167	0	10	3	10	1223	1	10	2	9	1257
Wright	3	20	2	19	2831	5	17	4	19	2747	5	17	7	8	2847
State of Iowa	1336	5570	12626	4561	456733	1231	5750	12200	4191	457912	1090	5310	12308	4069	462555



Table 2. Number of Minority Students and Minority Students as Percent of Total Students K-12 in Public Schools in Iowa Counties, 1985-1996 (continued).

County	Number of Minority Students												Minority Students as Percent of Total Students											
	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Floyd	50	61	71	64	68	58	51	53	38	46	40	38	1.6	2.0	2.2	2.0	2.1	1.8	1.6	1.7	1.2	1.4	1.2	1.1
Franklin	216	132	110	71	86	78	75	33	36	41	16	24	10.0	6.5	5.8	3.8	4.4	4.0	3.8	1.8	2.0	2.4	0.9	1.3
Fremont	20	14	21	19	24	25	11	11	12	14	25	18	1.2	0.8	1.3	1.1	1.4	1.5	0.7	0.7	0.7	0.8	1.4	1.0
Greene	43	35	29	26	19	32	18	23	20	16	17	11	2.1	1.7	1.5	1.3	1.0	1.6	0.9	1.2	1.1	0.9	0.9	0.5
Grundy	53	51	43	37	27	14	11	8	8	11	15	13	1.8	1.9	1.6	1.4	1.0	0.6	0.5	0.4	0.3	0.5	0.6	0.5
Guthrie	24	17	18	28	29	29	26	23	29	26	15	19	1.0	0.7	0.8	1.2	1.2	1.2	1.0	0.9	1.2	1.0	0.6	0.7
Hamilton	105	97	92	82	75	73	65	76	61	64	72	52	3.5	3.2	3.0	2.7	2.4	2.4	2.1	2.4	2.0	2.1	2.3	1.7
Hancock	38	32	36	44	51	49	46	38	31	21	29	17	1.8	1.5	1.7	1.9	2.2	2.0	1.9	1.6	1.3	0.9	1.2	0.7
Hardin	132	113	122	97	81	88	62	64	41	45	35	27	3.6	3.1	3.3	2.6	2.2	2.2	1.6	1.6	1.0	1.2	0.9	0.7
Harrison	28	36	24	18	26	28	23	23	19	19	19	19	0.8	1.1	0.7	0.6	0.8	0.9	0.8	0.8	0.6	0.6	0.6	0.6
Henry	146	144	128	128	119	117	135	88	57	69	77	72	3.9	3.8	3.2	3.3	3.0	3.0	3.5	2.4	1.6	1.9	2.1	2.0
Howard	17	21	23	22	18	21	20	12	11	4	13	20	0.8	0.9	1.0	1.0	0.8	1.0	0.9	0.6	0.5	0.2	0.6	1.0
Humboldt	9	13	12	15	13	13	8	13	14	6	8	15	0.5	0.7	0.6	0.8	0.7	0.7	0.4	0.7	0.7	0.3	0.4	0.8
Ida	22	17	10	10	8	11	9	8	4	7	4	3	1.4	1.1	0.6	0.6	0.5	0.7	0.6	0.5	0.3	0.5	0.3	0.2
Iowa	89	78	71	55	44	46	38	25	37	32	38	42	3.2	2.9	2.3	1.8	1.5	1.6	1.3	0.9	1.4	1.2	1.4	1.5
Jackson	34	31	20	26	27	20	22	17	23	14	16	18	0.9	0.8	0.5	0.7	0.7	0.5	0.6	0.5	0.6	0.4	0.4	0.5
Jasper	132	123	117	136	148	129	135	113	114	129	121	114	2.1	1.9	1.9	2.1	2.3	2.0	2.1	1.8	1.8	2.0	1.9	1.8
Jefferson	55	66	59	60	60	63	42	43	45	37	34	34	2.6	3.1	2.9	3.0	3.0	3.0	2.1	2.2	2.2	1.8	1.7	1.6
Johnson	1531	1434	1347	1312	1147	1065	1014	952	883	865	811	786	12.0	11.3	11.2	11.0	9.8	9.4	9.1	8.7	8.0	8.2	7.8	7.6
Jones	57	37	41	38	31	22	19	14	21	8	5	8	1.6	1.1	1.2	1.1	0.9	0.7	0.6	0.4	0.6	0.2	0.1	0.2
Keokuk	26	19	19	21	24	16	12	17	14	16	17	17	1.1	0.8	0.8	0.9	1.0	0.7	0.5	0.7	0.6	0.7	0.7	0.7
Kossuth	67	47	34	32	36	34	35	25	31	32	18	36	2.4	1.7	1.3	1.2	1.3	1.3	1.3	0.9	1.2	1.3	0.7	1.3
Lee	488	460	482	460	468	463	453	433	436	434	380	391	7.7	7.1	7.4	7.0	7.2	7.1	7.1	6.8	6.9	6.6	5.8	6.0
Linn	2516	2406	2298	2222	1949	2011	1853	1705	1612	1573	1591	1577	8.0	7.8	7.5	7.4	6.6	7.0	6.5	6.0	5.6	5.4	5.5	5.3
Louisa	463	414	336	297	273	274	246	174	139	103	97	81	15.5	13.8	11.7	10.4	9.7	10.1	8.8	6.1	4.9	3.6	3.4	2.9
Lucas	24	17	20	23	17	21	19	18	11	13	8	5	1.5	1.1	1.3	1.4	1.1	1.3	1.2	1.1	0.7	0.8	0.5	0.3
Lyon	29	31	24	21	31	29	27	30	28	25	32	28	1.3	1.4	1.0	0.9	1.4	1.3	1.2	1.3	1.2	1.1	1.4	1.2
Madison	32	17	24	18	15	17	27	26	35	23	18	20	1.1	0.6	0.8	0.6	0.5	0.6	1.0	0.9	1.2	0.8	0.6	0.7
Mahaska	69	75	82	104	91	97	92	89	95	76	86	70	2.0	2.3	2.4	3.1	2.7	3.0	2.8	2.7	2.9	2.3	2.6	2.1
Marion	158	143	159	158	135	151	132	123	130	138	125	109	2.7	2.5	2.8	2.9	2.5	2.8	2.4	2.3	2.4	2.6	2.4	2.0
Marshall	655	570	482	394	343	283	258	223	241	202	217	205	10.0	8.7	7.4	6.2	5.3	4.2	3.8	3.3	3.5	2.9	3.1	2.9
Mills	50	31	20	15	17	10	18	14	20	9	12	15	1.8	1.2	0.8	0.6	0.6	0.4	0.7	0.5	0.8	0.3	0.5	0.6
Mitchell	15	13	15	12	15	15	22	12	12	11	14	10	0.8	0.7	0.8	0.6	0.8	0.8	1.2	0.7	0.7	0.6	0.8	0.6

Table 2. Number of Minority Students and Minority Students as Percent of Total Students K-12 in Public Schools in Iowa Counties, 1985-1996 (continued).

County	Number of Minority Students												Minority Students as Percent of Total Students											
	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Monona	26	22	14	16	7	6	13	13	14	9	2	2	1.5	1.2	0.8	0.9	0.4	0.3	0.7	0.7	0.8	0.5	0.1	0.1
Monroe	35	39	38	31	25	34	36	34	34	28	20	15	2.6	2.9	2.7	2.3	1.8	2.5	2.6	2.5	2.5	2.0	1.5	1.1
Montgomery	13	13	20	25	19	23	14	11	10	20	18	16	0.6	0.6	0.9	1.2	0.9	1.0	0.6	0.5	0.4	0.9	0.8	0.7
Muscatine	1369	1304	1299	1277	1215	1217	1090	1013	919	903	776	776	17.9	17.2	16.6	16.5	15.4	15.5	14.1	13.3	12.3	11.9	10.2	10.2
O'Brien	72	60	35	33	33	32	29	30	28	25	27	28	2.4	2.0	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	1.0	1.0
Osceola	36	36	39	26	16	13	9	10	19	12	14	7	3.4	3.4	3.8	2.6	1.6	1.3	0.9	1.1	2.0	1.2	1.5	0.7
Page	231	67	79	108	96	84	72	69	42	68	33	33	7.2	2.2	2.6	3.5	3.1	2.7	2.2	2.1	1.3	2.1	1.0	1.0
Palo Alto	48	32	25	30	32	21	16	21	10	10	11	8	2.4	1.6	1.2	1.4	1.5	1.0	0.8	1.0	0.5	0.5	0.5	0.4
Plymouth	104	96	69	51	43	43	25	25	23	22	18	19	2.3	2.1	1.5	1.2	1.0	1.0	0.6	0.6	0.6	0.5	0.5	0.5
Pocahontas	42	24	22	28	27	24	16	15	7	2	2	4	3.0	1.7	1.6	2.1	1.6	1.4	0.9	0.9	0.4	0.1	0.1	0.2
Polk	9218	8783	8184	7576	7274	6762	6640	6242	6212	6227	6097	6066	15.7	15.1	14.3	13.5	13.2	12.5	12.3	11.9	12.0	12.1	11.9	11.8
Pottawattamie	743	654	600	549	548	532	535	494	451	409	414	421	4.4	4.0	3.7	3.4	3.4	3.3	3.3	3.1	2.9	2.6	2.6	2.6
Poweshiek	101	90	89	71	94	95	79	73	54	56	58	54	3.1	2.8	2.8	2.3	3.0	3.1	2.6	2.4	1.7	1.8	1.9	1.7
Ringgold	7	6	6	4	7	10	10	15	16	14	11	8	0.7	0.6	0.6	0.4	0.7	1.0	1.0	1.4	1.5	1.4	1.1	0.8
Sac	19	22	5	7	8	10	17	9	17	4	4	14	0.8	0.9	0.2	0.3	0.3	0.4	0.7	0.4	0.7	0.2	0.2	0.6
Scott	5155	4901	4775	4978	4577	4524	4337	4370	3908	3808	3724	3724	18.3	17.4	17.0	16.9	16.1	15.9	15.5	15.7	14.1	13.5	13.1	12.8
Shelby	37	35	25	16	14	15	23	25	21	17	21	23	1.4	1.3	0.9	0.6	0.5	0.6	0.9	1.1	0.9	0.7	0.9	0.9
Sioux	146	110	102	106	75	61	65	56	56	58	54	53	3.3	2.5	2.3	2.4	1.8	1.6	1.6	1.4	1.4	1.5	1.4	1.4
Story	870	894	888	832	756	732	766	732	668	587	584	548	7.9	8.1	8.1	7.6	6.8	7.0	7.5	7.3	6.8	6.0	6.1	5.7
Tama	361	329	285	308	288	285	259	324	284	254	247	205	12.1	11.0	9.3	10.0	8.2	8.6	7.9	9.6	8.4	7.5	7.2	5.9
Taylor	64	59	30	32	28	16	12	19	15	10	7	4	4.8	4.4	2.3	2.4	2.2	1.2	0.9	1.3	1.0	0.7	0.5	0.3
Union	34	29	13	3	13	15	18	18	15	22	15	20	1.5	1.3	0.6	0.1	0.6	0.6	0.8	0.7	0.6	0.9	0.6	0.8
Van Buren	17	9	8	16	12	8	9	11	9	9	11	11	1.2	0.6	0.5	1.1	0.8	0.6	0.6	0.8	0.6	0.6	0.7	0.7
Wapello	252	226	196	213	175	174	148	153	122	142	128	138	3.9	3.5	3.0	3.2	2.6	2.6	2.3	2.3	1.8	2.1	1.9	1.9
Warren	129	147	143	136	117	110	126	116	95	97	87	96	1.7	1.9	1.9	1.8	1.6	1.5	1.8	1.7	1.4	1.4	1.2	1.4
Washington	166	141	135	119	97	95	63	53	39	31	35	19	4.7	4.1	3.8	3.4	2.8	2.7	1.9	1.6	1.1	0.9	1.0	0.6
Wayne	23	15	15	14	16	15	14	14	13	17	12	10	1.8	1.2	1.2	1.2	1.3	1.2	1.1	1.2	1.1	1.4	1.0	0.8
Webster	515	457	467	474	417	395	403	395	387	386	394	414	8.3	7.6	7.7	7.8	6.9	6.5	6.5	6.5	6.2	6.3	6.2	6.6
Winnebago	101	87	78	67	70	63	79	79	70	76	70	65	3.5	2.9	2.6	2.3	2.4	2.2	2.7	2.8	2.5	2.7	2.5	2.3
Winneshiek	49	44	46	51	58	53	44	36	41	47	56	38	1.7	1.5	1.6	1.8	2.1	1.9	1.6	1.4	1.5	1.8	2.1	1.5
Woodbury	3425	3195	2806	2626	2374	2167	1965	1717	1599	1499	1351	1131	18.5	17.5	15.5	14.7	13.2	11.9	11.1	9.7	9.1	8.5	7.8	6.6
Worth	29	27	24	29	25	16	19	24	19	17	23	22	2.5	2.3	2.0	2.4	2.0	1.3	1.7	2.1	1.6	1.4	1.8	1.7
Wright	105	106	60	60	54	49	55	40	42	44	45	37	3.4	3.4	1.9	2.1	1.9	1.7	2.0	1.5	1.5	1.5	1.6	1.3
State of Iowa	38733	36239	33874	32504	30097	29120	27904	26123	24552	24093	23372	22777	7.8	7.3	6.8	6.6	6.1	6.0	5.8	5.5	5.1	5.0	4.9	4.7



Woodbury. Ten years earlier in 1986, 46 counties reported fewer than 25 minority students and only 10 exceeded 400.

The percentage of enrollees accounted for by the total of American Indian, Asian American, black, and Hispanic students changed significantly across counties when 1986 and 1996 are compared. In 1986, less than 1 percent of enrollees were minority students in 44 counties; only 13 counties remained under 1 percent in 1996. Black Hawk, Muscatine, Polk, and Scott were the only counties in which at least 10 percent of enrollees were in the minority category in 1986, with Black Hawk's percentage of 13.6 the highest. Although Black Hawk remained the highest at 19.4 percent in 1996, Buena Vista, Louisa, Muscatine, Polk, Scott and Woodbury also reported that minority students constituted at least 15 percent of their total enrollees in 1996. Franklin, Johnson, Marshall, and Tama ranged from 10.0 to 14.9 percent that year. The figures in Tables 1 and 2 indicate that minority enrollment grew in some of Iowa's more rural counties as well as in metropolitan areas.

Minority students declined between 1986 and 1996 in 10 counties, although the declines were small (-2 to -17). Increases were of a much greater magnitude. Twenty-three counties gained at least 100 minority students. Nine of these increased by 400 or more with Polk's gain of more than 3,100 and Woodbury's increase of nearly 2,100 the highest. In percentage terms, 40 counties at least doubled their minority enrollments; 22 of these tripled their numbers. High percentage increases were noted in counties in which selected industries or institutions expanded. Marshall grew from 217 minority students to 655 (+202%), for example, while Buena Vista increased from 177 to 586 (+231%), Page jumped from 33 to 231 (+600%), and Franklin had 216 in 1996 but only 16 in 1986 (+1,250%).

### **American Indian Enrollees**

Iowa's public schools had 2,239 American Indian students enrolled in 1996, the fewest among the minority groups. Seventeen counties had no American Indian enrollees and 53 others had fewer than 10. Woodbury's enrollment (616) along with four others (Linn, 116; Polk, 280; Scott, 260; Tama, 200) accounted for 65.7% of the state's American Indian students. In Monona and Tama, American Indian enrollment was the largest of the four minority groups.

Four of every five (80) counties changed in either direction by less than 10 American Indian students between 1986 and 1996. Three counties (Polk, Scott, Woodbury) each gained about 180 during this period. The state's increase was 1,008 (+81.9%).

### **Asian American Enrollees**

In 1996, Asian American students numbered 7,911 in the public schools, an increase of 2,161 (+37.6%) from 1986. While all counties had at least one Asian American enrollee, 22 had fewer than 10 in 1996. Polk's enrollment of more than 2,100 was the largest and was 26.9% of the state's Asian American students that year. Counties with at least 100 Asian American students were mostly those with larger cities. Thirty-four counties had Asian Americans as their largest student minority group.

### **Black Enrollees**

Black students (16,965) were greater in number than any of the other minority groups in 1996; this was true for all years reported in Table 1. Four metropolitan counties (Black Hawk, Linn, Polk, Scott) contained 72.5 percent of the black students in the state that year. Five counties had no black students and 40 others had fewer than 10. Blacks were the largest minority group in 20 of Iowa's counties.

Black enrollees increased by 4,765 (+39.1%) between 1986 and 1996. The same four counties (Black Hawk, Linn, Polk, Scott) with the largest numbers in 1996 also experienced the greatest increases during the ten years. Five counties had losses of three or fewer students and seven others did not change.

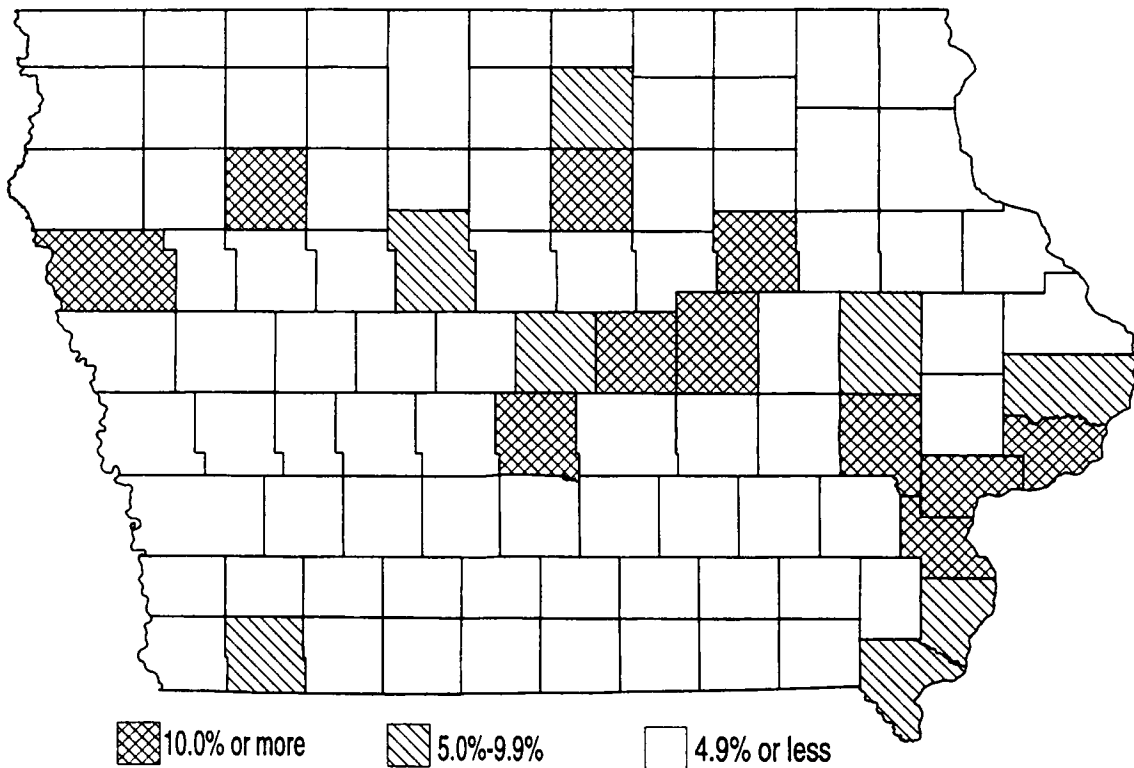
### **Hispanic Enrollees**

Hispanic students numbered 11,618 in 1996. Muscatine, Polk, Scott, and Woodbury each had more than 1,000 Hispanic enrollees. Black Hawk, Buena Vista, Cerro Gordo, Dallas, Franklin, Johnson,

Linn, Louisa, Marshall, and Pottawattamie ranged from 200 to 500. Hispanic students constituted the largest minority group in 38 counties.

Hispanic enrollment grew more in both number (+7,427) and percentage (+177%) than American Indians, Asian Americans, or blacks between 1986 and 1996. Five counties lost from one to nine Hispanic enrollees; while seven counties had the same number in both years. Increases of 100 or more took place in 14 counties; Polk and Woodbury each gained more than 1,000. Three counties with fewer than 20 Hispanic students in 1986 gained from 200 to 300 by 1996; thus creating dramatic percentage increases (Buena Vista, +3,250%; Dallas, +1,267%; Franklin, +1,469%). Hispanic enrollees in 1996 were at least double those for 1986 for 55 counties.

Figure 1. Minority students as percent of total K-12 public school students, 1996.



## Public Secondary School Dropouts in Iowa's Counties: 1986-1996

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Information about public school dropouts from grades seven through twelve and nongraded secondary special education classes is collected and tabulated annually for Iowa's counties by the Iowa Department of Education. A student is counted as a dropout if he or she withdraws before graduation or completion of a secondary school program for reasons other than death or transfer to any other approved secondary school program. Dropouts are counted by fiscal year, not by calendar or school year. Thus, what we have labeled as 1996 dropouts are those who left school between 1 July 1995 and 30 June 1996.

Information on dropouts is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same.

Public school dropouts in Iowa numbered 4,834 for 1996 (Table 1). That is a decrease of 151 since 1995. In the years reported in Table 1, the number of dropouts ranged from 4,645 in 1994 to 5,652 in 1989 (Figure 1).

Polk had the highest number of dropouts in 1996; indeed, Polk had the greatest number each year except 1993, when Scott had the most. Other counties with at least 100 dropouts each year included Black Hawk, Dubuque, Linn, Pottawattamie, and Woodbury. Some counties had very few or no dropouts in selected years. Audubon, Hancock, Ida, Lyon, and Osceola had fewer than 10 dropouts in at least 10 of the last 11 years.

The state as a whole and all counties had years between 1986 and 1996 when the number of dropouts increased and other years when the number decreased. Thirty-eight counties had fewer dropouts in 1996 than in 1986. Of these 38 counties, 30 had decreases of fewer than 20 dropouts. Linn, Polk, and Pottawattamie had at least 100 fewer dropouts in 1996 than in 1986. Fifty-five counties had more dropouts in 1996 than in 1986. Black Hawk (+107) and Woodbury (+113) had the greatest increases.

At the same time the number of dropouts was changing in Iowa, so was the number of school enrollees (Table 1). Student enrollment in public secondary schools declined every year in Iowa between 1986 and 1991, although it increased from 1991 to 1996. Overall, there were about 3,400 fewer secondary school students in Iowa in 1996 than in 1986. Fifty-three of Iowa's 99 counties had fewer secondary enrollees in 1996 than in 1986. Declines were greater than 500 in three counties (Clinton, Linn, Scott). Linn (-1,667) was the only county that decreased by at least 1,000. Forty-six counties recorded increases in secondary enrollees between 1986 and 1996, with seven (Buena Vista, Carroll, Dallas, Johnson, Plymouth, Sioux, Story) each gaining more than 300 secondary students.

**Percentage of Dropouts**

In 1996, 2.1 percent of public secondary enrollees in Iowa became dropouts (Table 2). The proportion of dropouts for Iowa varied between 2.1 and 2.6 percent for the 11 years reported in Table 2 but was higher in 1980 as noted in Figure 2.

There were significant variations among the counties in the percentage of students that dropped out in 1996. Twenty-one counties had fewer than 1 percent of their secondary students leave school in 1996, but Appanoose, Black Hawk, Lee, and Muscatine had percentages ranging from 4.0 to 5.8.

More than half (54) of Iowa's counties had a higher percentage of students drop out in 1996 than in 1986 while 37 counties were lower and eight remained the same. Some counties, however, were consistently among those with the highest percentages while others were consistently among the lowest.

**Note:** Additional information on public secondary school dropouts is available from the Division of Instructional Services in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1986-1996.<sup>1</sup>

County	1996 <sup>2</sup>		1995		1994		1993		1992		1991		1990		1989		1988		1987		1986	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Adair	13	614	7	618	3	584	12	586	2	530	3	519	4	489	0	487	0	519	4	529	6	561
Adams	3	345	3	346	3	333	2	315	12	302	9	300	12	361	3	356	3	367	3	365	4	350
Allamakee	9	1367	7	1386	4	1339	18	1286	11	1268	25	1233	13	1313	26	1309	12	1344	17	1362	15	1459
Appanoose	48	1199	60	1198	37	1191	43	1160	42	1144	41	1089	45	1186	34	1188	31	1219	59	1221	24	1154
Audubon	1	543	5	554	7	562	6	542	1	534	8	513	0	507	6	522	5	542	2	575	6	600
Benton	43	1811	52	1793	35	1806	41	1868	26	1761	30	1770	33	1874	26	1832	33	1864	21	1960	28	2013
Black Hawk	481	8226	257	8450	318	8202	549	7813	546	7813	493	7668	488	7653	516	8075	422	8316	388	8446	374	8647
Boone	25	1958	47	1891	52	1844	43	1755	23	1677	21	1639	34	1729	45	1784	30	1825	43	1900	30	1915
Bremer	20	2919	21	2817	14	2713	20	2616	13	2568	17	2457	32	2615	21	2665	27	2716	29	2879	29	3011
Buchanan	31	1572	40	1550	35	1477	41	1496	24	1485	19	1454	21	1518	28	1462	28	1457	35	1488	22	1532
Buena Vista	35	1821	33	1864	29	1778	36	1543	34	1457	30	1423	30	1505	26	1421	24	1339	27	1375	18	1400
Butler	6	1166	7	1193	9	1203	6	1151	5	1188	13	1144	11	1146	11	1239	8	1683	9	1334	8	1354
Calhoun	5	1261	11	1226	7	1246	6	1219	3	1145	13	1064	10	1066	8	1066	8	1111	7	1130	5	1191
Carroll	10	1513	16	1490	20	1461	15	1350	10	1231	10	1130	10	1164	10	1165	15	1165	15	1177	14	1167
Cass	21	1582	28	1546	18	1466	22	1432	19	1391	26	1334	18	1367	27	1391	24	1444	21	1459	18	1475
Cedar	21	1751	19	1710	14	1676	19	1674	23	1636	22	1574	11	1575	10	1593	18	1576	14	1618	20	1659
Cerro Gordo	89	3345	94	3145	122	3066	66	3012	80	2956	96	2905	70	3160	93	3194	60	3231	223	3269	74	3520
Cherokee	9	1271	25	1268	25	1266	8	1248	17	1219	16	1206	19	1228	18	1196	19	1276	8	1267	8	1332
Chickasaw	15	1225	18	1146	14	1119	5	1110	15	1068	17	1075	9	1099	15	1136	13	1187	16	1244	17	1299
Clarke	23	842	16	790	22	786	8	761	17	775	12	746	20	727	10	720	7	743	12	767	4	804
Clay	42	1503	21	1494	32	1481	19	1653	25	1595	15	1495	17	1469	25	1459	19	1421	37	1429	19	1535
Clayton	15	1864	17	1813	19	1799	20	1738	16	1704	28	1680	11	1746	19	1732	16	1726	16	1744	19	1744
Clinton	132	4112	157	4059	103	4094	87	4064	133	4075	175	3914	92	4229	109	4227	77	4345	103	4576	89	4815
Crawford	15	1350	11	1353	17	1404	14	1407	42	1505	18	1491	21	1551	12	1559	16	1691	10	1715	10	1749
Dallas	65	3403	65	3097	57	3041	98	2929	69	2774	64	2697	40	2705	30	2736	67	2759	62	2874	75	2946
Davis	21	665	26	676	11	656	13	637	9	651	13	606	15	670	9	667	11	694	11	694	12	702
Decatur	8	653	5	699	9	594	13	640	12	690	14	642	13	643	12	664	13	725	11	716	9	720
Delaware	27	1919	41	1786	19	1734	13	1600	8	1536	21	1471	18	1484	26	1521	23	1543	35	1625	26	1740
Des Moines	97	3407	73	3401	60	3358	53	3199	48	3179	70	3113	68	3573	79	3469	55	3581	116	3917	178	3790
Dickinson	17	1367	7	1402	13	1323	13	1315	16	1246	12	1199	12	1277	10	1245	25	1184	15	1274	15	1306
Dubuque	133	6523	135	6221	145	6063	148	5842	116	5635	130	5546	140	6088	201	6262	150	6554	146	6781	145	6845
Emmet	24	1173	7	1141	13	1133	10	1087	11	1064	16	1018	18	1100	17	1110	24	1124	12	1145	18	1129
Fayette	34	2189	35	2222	26	2108	39	2124	25	2026	19	2003	27	2036	17	2072	32	2189	28	2257	15	2384
Floyd	24	1513	22	1524	20	1493	28	1521	32	1483	33	1443	33	1540	27	1630	33	1683	28	1611	20	1745
Franklin	18	991	19	976	21	944	12	900	18	873	19	852	9	821	12	757	8	770	7	810	16	819
Fremont	11	813	22	807	15	812	12	802	10	802	10	721	14	752	12	769	16	780	23	768	11	805

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1986-1996 (continued).<sup>1</sup>

County	1996 <sup>2</sup>		1995		1994		1993		1992		1991		1990		1989		1988		1987		1986	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Greene	12	929	7	895	11	842	8	818	13	817	10	776	23	809	14	792	9	828	6	866	10	931
Grundy	16	1353	17	1322	12	1313	12	1303	8	1047	8	1008	4	1063	8	1090	7	1117	3	1160	8	1210
Guthrie	8	1162	18	1135	8	1098	7	1081	13	1083	16	1101	10	1087	8	1083	20	1122	14	1148	8	1242
Hamilton	21	1440	26	1425	25	1389	23	1406	25	1322	19	1305	20	1380	29	1405	15	1463	16	1498	25	1534
Hancock	9	1032	10	1016	7	1156	7	1102	4	1111	6	1087	7	1053	2	1082	5	1075	5	1072	5	1064
Hardin	37	1797	35	1799	31	1676	33	1685	24	1739	18	1657	18	1764	25	1786	14	1871	21	1905	15	1986
Harrison	20	1607	25	1624	20	1424	22	1380	27	1381	19	1350	24	1391	27	1400	26	1453	26	1525	32	1566
Henry	50	1835	44	1814	32	1760	28	1769	21	1680	27	1636	32	1661	34	1657	18	1670	24	1693	27	1735
Howard	11	1142	11	1147	9	1106	10	1061	3	991	4	970	10	968	7	884	4	922	9	979	6	1020
Humboldt	10	956	17	932	7	908	11	866	8	841	7	858	6	839	11	847	11	859	9	891	9	959
Ida	2	724	8	726	14	778	1	664	2	652	6	649	3	689	3	683	6	654	5	657	3	658
Iowa	12	1264	9	1386	5	1277	6	1244	6	1196	3	1146	11	1125	11	1132	8	1193	6	1250	10	1288
Jackson	38	1783	52	1785	40	1789	28	1751	25	1722	26	1666	30	1721	38	1780	24	1749	27	1848	23	1930
Jasper	30	3055	30	2966	44	2973	56	2949	39	2875	57	2768	114	2948	83	2933	120	3099	99	3124	85	3130
Jefferson	22	929	23	829	16	803	33	843	24	795	20	797	23	855	30	866	22	949	18	1001	22	1052
Johnson	58	5443	91	5024	60	4858	64	4705	46	4490	47	4239	177	4636	135	4610	130	4740	94	4869	123	4739
Jones	40	1721	52	1730	47	1727	34	1634	18	1461	22	1471	34	1609	14	1559	28	1606	28	1730	14	1788
Keokuk	13	1177	17	1143	19	1132	13	1073	15	1018	14	1010	6	1042	12	1084	10	1095	12	1095	14	1128
Kossuth	5	1285	6	1255	11	1240	13	1195	9	1131	8	1101	17	1123	11	1101	10	1109	16	1178	21	1211
Lee	128	3068	198	3080	122	3037	94	2912	81	2851	83	2696	88	2993	101	2845	77	2946	103	3044	105	3117
Linn	197	13276	205	13183	153	12837	135	12557	218	12098	149	11930	292	13815	433	14302	331	14150	414	14443	345	14943
Louisa	17	1343	53	1342	27	1314	13	1319	25	1213	24	1179	36	1268	39	1236	37	1298	27	1288	25	1308
Lucas	24	754	33	777	16	782	15	754	10	701	12	675	18	714	26	726	25	775	19	761	24	798
Lyon	13	1140	8	1165	8	1130	5	1031	4	1020	9	972	5	979	2	974	8	998	4	1026	1	1054
Madison	22	1414	16	1386	15	1377	8	1304	9	1217	21	1232	27	1302	14	1268	30	1326	25	1317	19	1325
Mahaska	42	1462	41	1453	81	1410	35	1388	28	1346	28	1370	24	1369	40	1376	39	1420	50	1482	28	1497
Marion	52	2615	54	2516	31	2424	34	2364	38	2347	32	2313	45	2346	32	2380	39	2431	44	2401	35	2467
Marshall	52	3131	41	2941	19	2852	22	2817	45	2795	70	2711	97	3087	109	3083	75	3181	66	3375	59	3474
Mills	24	1247	24	1225	28	1172	25	1160	25	1115	18	1165	20	1179	17	1175	17	1206	14	1193	26	1287
Mitchell	8	937	7	898	5	873	10	858	9	843	10	816	14	840	3	903	8	917	1	917	8	915
Monona	27	899	20	847	15	847	19	834	14	832	16	835	14	851	12	848	13	872	13	874	13	921
Monroe	23	639	15	599	13	592	14	590	19	579	12	551	15	591	11	576	15	585	29	611	19	654
Montgomery	15	958	23	953	15	961	13	986	23	963	16	881	16	985	15	971	20	983	22	986	23	1003
Muscatine	194	3513	186	3701	158	3475	114	3446	87	3288	80	3144	86	3253	118	3386	97	3414	83	3413	110	3342
O'Brien	17	1488	14	1465	11	1347	21	1336	16	1295	16	1294	16	1343	20	1322	10	1346	14	1344	8	1357
Osceola	3	464	4	460	1	444	7	433	2	408	7	391	9	441	3	433	8	457	3	469	2	455

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1986-1996 (continued).<sup>1</sup>

County	1996 <sup>2</sup>		1995		1994		1993		1992		1991		1990		1989		1988		1987		1986	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Page	50	1542	33	1540	32	1508	33	1506	28	1482	41	1454	33	1530	37	1495	37	1485	30	1463	21	1475
Palo Alto	5	1031	11	1024	17	1031	11	1021	11	959	12	955	7	952	18	941	7	935	4	949	8	974
Plymouth	20	2198	27	2150	7	2077	14	1972	19	1887	24	1788	32	1816	36	1818	9	1800	16	1798	22	1847
Pocahontas	9	657	1	634	6	638	6	748	10	729	9	812	13	758	4	779	7	839	2	838	3	869
Polk	522	25290	644	24316	610	23772	579	23006	820	21952	994	21201	889	23436	952	23710	1064	23888	1082	24939	1124	25705
Pottawattamie	144	7324	157	6988	142	6864	120	6633	113	6516	175	6225	255	6421	332	6620	376	6863	348	6877	376	7194
Poweshiek	24	1513	12	1449	30	1427	27	1369	28	1257	31	1252	21	1333	29	1394	34	1498	20	1502	15	1561
Ringgold	2	514	6	469	5	441	13	449	10	457	3	413	3	432	8	446	2	459	3	471	3	490
Sac	16	1123	19	1137	25	1114	19	1098	11	1080	8	1006	7	1025	16	1032	6	1024	12	1052	11	1086
Scott	400	12963	401	13218	453	12594	631	12300	527	12106	540	11811	523	12558	511	12545	526	12996	454	13429	435	13900
Shelby	17	1388	15	1326	16	1337	12	1224	3	1218	8	1083	17	1111	18	1236	19	1200	19	1245	0	1267
Sioux	2	2075	4	2000	10	1929	16	1830	16	1478	13	1614	15	1653	13	1675	14	1673	16	1669	12	1690
Story	50	5143	56	4964	57	4724	58	4617	43	4291	57	4126	48	4155	42	4228	52	4249	45	4263	53	4494
Tama	30	1389	27	1437	39	1432	31	1556	32	1506	21	1468	18	1473	16	1407	11	1624	36	1649	37	1658
Taylor	10	600	17	585	4	561	2	538	5	503	4	527	6	540	4	623	2	651	1	655	4	689
Union	18	1100	39	1101	29	1132	18	1062	20	1082	13	1073	23	1166	14	1166	15	1142	12	1183	8	1231
Van Buren	13	682	22	698	8	662	16	644	12	621	9	599	13	639	9	624	6	643	10	657	10	716
Wapello	107	3016	111	2912	77	3031	110	3011	124	2949	70	2854	62	2932	72	3134	119	3204	64	3301	76	3359
Warren	93	3643	140	3474	81	3400	34	3206	33	3190	45	2960	76	3122	72	3215	59	3309	49	3348	42	3445
Washington	25	1554	46	1593	41	1546	38	1498	41	1465	26	1472	25	1541	23	1549	37	1573	23	1566	33	1632
Wayne	22	580	5	560	4	561	5	570	4	592	18	567	12	566	10	582	10	579	2	588	10	595
Webster	69	2664	86	2642	83	2586	73	2548	72	2557	64	2394	71	2456	110	2573	125	2791	106	2869	133	3034
Winnebago	19	1458	34	1401	25	1276	30	1254	20	1237	14	1182	19	1237	16	1261	14	1225	10	1239	20	1247
Winneshiek	6	1468	9	1382	23	1367	22	1283	17	1209	9	1206	10	1200	8	1270	9	1267	10	1337	8	1366
Woodbury	268	8344	170	7840	297	7639	280	7472	252	7660	287	7203	219	8046	216	7941	203	8836	207	8710	155	8712
Worth	11	555	5	535	10	529	9	531	6	515	7	495	12	495	5	525	10	556	5	585	3	616
Wright	19	1467	19	1472	10	1252	10	1198	10	1201	10	1118	12	1210	14	1204	17	1231	6	1228	10	1296
State of Iowa	4834	230039	4985	225443	4645	219708	4768	214157	4783	207948	5030	201742	5270	213888	5652	216251	5498	222112	5574	227144	5343	233453

<sup>1</sup>This table includes public school dropouts from grades 7 through 12 and nongraded secondary special education classes. Dropouts are students who withdraw before graduation or completion of a secondary school program for reasons other than death or transfer to another approved program. Students may have been counted in the enrollment of a county different from that in which they lived because school district boundaries do not necessarily coincide with county lines and because school districts may have cooperative sharing agreements.

<sup>2</sup>This refers to the state's fiscal year; the label "1996" covers the period from 1 July 1995 through 30 June 1996, for example.

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	2.1	1.1	0.5	2.0	0.4	0.6	0.8	0.0	0.0	0.8	1.1
Adams	0.9	0.9	0.9	0.6	4.0	3.0	3.3	0.8	0.8	0.8	1.1
Allamakee	0.7	0.5	0.3	1.4	0.9	2.0	1.0	2.0	0.9	1.2	1.0
Appanoose	4.0	5.0	3.1	3.7	3.7	3.8	3.8	2.9	2.5	4.8	2.1
Audubon	0.2	0.9	1.2	1.1	0.2	1.6	0.0	1.1	0.9	0.3	1.0
Benton	2.4	2.9	1.9	2.2	1.5	1.7	1.8	1.4	1.8	1.1	1.4
Black Hawk	5.8	3.0	3.9	7.0	7.0	6.4	6.4	6.4	5.1	4.6	4.3
Boone	1.3	2.5	2.8	2.5	1.4	1.3	2.0	2.5	1.6	2.3	1.6
Bremer	0.7	0.7	0.5	0.8	0.5	0.7	1.2	0.8	1.0	1.0	1.0
Buchanan	2.0	2.6	2.4	2.7	1.6	1.3	1.4	1.9	1.9	2.4	1.4
Buena Vista	1.9	1.8	1.6	2.3	2.3	2.1	2.0	1.8	1.8	2.0	1.3
Butler	0.5	0.6	0.7	0.5	0.4	1.1	1.0	0.9	0.5	0.7	0.6
Calhoun	0.4	0.9	0.6	0.5	0.3	1.2	0.9	0.8	0.7	0.6	0.4
Carroll	0.7	1.1	1.4	1.1	0.8	0.9	0.9	0.9	1.3	1.3	1.2
Cass	1.3	1.8	1.2	1.5	1.4	1.9	1.3	1.9	1.7	1.4	1.2
Cedar	1.2	1.1	0.8	1.1	1.4	1.4	0.7	0.6	1.1	0.9	1.2
Cerro Gordo	2.7	3.0	4.0	2.2	2.7	3.3	2.2	2.9	1.9	6.8	2.1
Cherokee	0.7	2.0	2.0	0.6	1.4	1.3	1.6	1.5	1.5	0.6	0.6
Chickasaw	1.2	1.6	1.3	0.5	1.4	1.6	0.8	1.3	1.1	1.3	1.3
Clarke	2.7	2.0	2.8	1.1	2.2	1.6	2.8	1.4	0.9	1.6	0.5
Clay	2.8	1.4	2.2	1.1	1.6	1.0	1.2	1.7	1.3	2.6	1.2
Clayton	0.8	0.9	1.1	1.2	0.9	1.7	0.6	1.1	0.9	0.9	1.1
Clinton	3.2	3.9	2.5	2.1	3.3	4.5	2.2	2.6	1.8	2.3	1.8
Crawford	1.1	0.8	1.2	1.0	2.8	1.2	1.4	0.8	0.9	0.6	0.6
Dallas	1.9	2.1	1.9	3.3	2.5	2.4	1.5	1.1	2.4	2.2	2.5
Davis	3.2	3.8	1.7	2.0	1.4	2.1	2.2	1.3	1.6	1.6	1.7
Decatur	1.2	0.7	1.5	2.0	1.7	2.2	2.0	1.8	1.8	1.5	1.3
Delaware	1.4	2.3	1.1	0.8	0.5	1.4	1.2	1.7	1.5	2.2	1.5
Des Moines	2.8	2.1	1.8	1.7	1.5	2.2	1.9	2.3	1.5	3.0	4.7
Dickinson	1.2	0.5	1.0	1.0	1.3	1.0	0.9	0.8	2.1	1.2	1.1
Dubuque	2.0	2.2	2.4	2.5	2.1	2.3	2.3	3.2	2.3	2.2	2.1
Emmet	2.0	0.6	1.1	0.9	1.0	1.6	1.6	1.5	2.1	1.0	1.6
Fayette	1.6	1.6	1.2	1.8	1.2	0.9	1.3	0.8	1.5	1.2	0.6
Floyd	1.6	1.4	1.3	1.8	2.2	2.3	2.1	1.7	2.0	1.7	1.1
Franklin	1.8	1.9	2.2	1.3	2.1	2.2	1.1	1.6	1.0	0.9	2.0
Fremont	1.4	2.7	1.8	1.5	1.2	1.4	1.9	1.6	2.1	3.0	1.4
Greene	1.3	0.8	1.3	1.0	1.6	1.3	2.8	1.8	1.1	0.7	1.1
Grundy	1.2	1.3	0.9	0.9	0.8	0.8	0.4	0.7	0.6	0.3	0.7
Guthrie	0.7	1.6	0.7	0.6	1.2	1.5	0.9	0.7	1.8	1.2	0.6
Hamilton	1.5	1.8	1.8	1.6	1.9	1.5	1.4	2.1	1.0	1.1	1.6
Hancock	0.9	1.0	0.6	0.6	0.4	0.6	0.7	0.2	0.5	0.5	0.5
Hardin	2.1	1.9	1.8	2.0	1.4	1.1	1.0	1.4	0.7	1.1	0.8
Harrison	1.2	1.5	1.4	1.6	2.0	1.4	1.7	1.9	1.8	1.7	2.0
Henry	2.7	2.4	1.8	1.6	1.2	1.7	1.9	2.1	1.1	1.4	1.6
Howard	1.0	1.0	0.8	0.9	0.3	0.4	1.0	0.8	0.4	0.9	0.6
Humboldt	1.0	1.8	0.8	1.3	1.0	0.8	0.7	1.3	1.3	1.0	0.9
Ida	0.3	1.1	1.8	0.2	0.3	0.9	0.4	0.4	0.9	0.8	0.5
Iowa	0.9	0.6	0.4	0.5	0.5	0.3	1.0	1.0	0.7	0.5	0.8
Jackson	2.1	2.9	2.2	1.6	1.4	1.6	1.7	2.1	1.4	1.5	1.2
Jasper	1.0	1.0	1.5	1.9	1.4	2.1	3.9	2.8	3.9	3.2	2.7



Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	2.4	2.8	2.0	3.9	3.0	2.5	2.7	3.5	2.3	1.8	2.1
Johnson	1.1	1.8	1.2	1.4	1.0	1.1	3.8	2.9	2.7	1.9	2.6
Jones	2.3	3.0	2.7	2.1	1.2	1.5	2.1	0.9	1.7	1.6	0.8
Keokuk	1.1	1.5	1.7	1.2	1.5	1.4	0.6	1.1	0.9	1.1	1.2
Kossuth	0.4	0.5	0.9	1.1	0.8	0.7	1.5	1.0	0.9	1.4	1.7
Lee	4.2	6.4	4.0	3.2	2.8	3.1	2.9	3.6	2.6	3.4	3.4
Linn	1.5	1.6	1.2	1.1	1.8	1.2	2.1	3.0	2.3	2.9	2.3
Louisa	1.3	3.9	2.1	1.0	2.1	2.0	2.8	3.2	2.9	2.1	1.9
Lucas	3.2	4.2	2.0	2.0	1.4	1.8	2.5	3.6	3.2	2.5	3.0
Lyon	1.1	0.7	0.7	0.5	0.4	0.9	0.5	0.2	0.8	0.4	0.1
Madison	1.6	1.2	1.1	0.6	0.7	1.7	2.1	1.1	2.3	1.9	1.4
Mahaska	2.9	2.8	5.7	2.5	2.1	2.0	1.8	2.9	2.7	3.4	1.9
Marion	2.0	2.1	1.3	1.4	1.6	1.4	1.9	1.3	1.6	1.8	1.4
Marshall	1.7	1.4	0.7	0.8	1.6	2.6	3.1	3.5	2.4	2.0	1.7
Mills	1.9	2.0	2.4	2.2	2.2	1.5	1.7	1.4	1.4	1.2	2.0
Mitchell	0.9	0.8	0.6	1.2	1.1	1.2	1.7	0.3	0.9	0.1	0.9
Monona	3.0	2.4	1.8	2.3	1.7	1.9	1.6	1.4	1.5	1.5	1.4
Monroe	3.6	2.5	2.2	2.4	3.3	2.2	2.5	1.9	2.6	4.7	2.9
Montgomery	1.6	2.4	1.6	1.3	2.4	1.8	1.6	1.5	2.0	2.2	2.3
Muscatine	5.5	5.0	4.5	3.3	2.6	2.5	2.6	3.5	2.8	2.4	3.3
O'Brien	1.1	1.0	0.8	1.6	1.2	1.2	1.2	1.5	0.7	1.0	0.6
Osceola	.6	0.9	0.2	1.6	0.5	1.8	2.0	0.7	1.8	0.6	0.4
Page	3.2	2.1	2.1	2.2	1.9	2.8	2.2	2.5	2.5	2.1	1.4
Palo Alto	0.5	1.1	1.6	1.1	1.2	1.3	0.7	1.9	0.7	0.4	0.8
Plymouth	0.9	1.3	0.3	0.7	1.0	1.3	1.8	2.0	0.5	0.9	1.2
Pocahontas	1.4	0.2	0.9	0.8	1.4	1.1	1.7	0.5	0.8	0.2	0.3
Polk	2.1	2.6	2.6	2.5	3.7	4.7	3.8	4.0	4.5	4.3	4.4
Pottawattamie	2.0	2.2	2.1	1.8	1.7	2.8	4.0	5.0	5.5	5.1	5.2
Poweshiek	1.6	0.8	2.1	2.0	2.2	2.5	1.6	2.1	2.3	1.3	1.0
Ringgold	0.4	1.3	1.1	2.9	2.2	0.7	0.7	1.8	0.4	0.6	0.6
Sac	1.4	1.7	2.2	1.7	1.0	0.8	0.7	1.6	0.6	1.1	1.0
Scott	3.1	3.0	3.6	5.1	4.4	4.6	4.2	4.1	4.0	3.4	3.1
Shelby	1.2	1.1	1.2	1.0	0.2	0.7	1.5	1.5	1.6	1.5	0.0
Sioux	0.1	0.2	0.5	0.9	1.1	0.8	0.9	0.8	0.8	1.0	0.7
Story	1.0	1.1	1.2	1.3	1.0	1.4	1.2	1.0	1.2	1.1	1.2
Tama	2.2	1.9	2.7	2.0	2.1	1.4	1.2	1.1	0.7	2.2	2.2
Taylor	1.7	2.9	0.7	0.4	1.0	0.8	1.1	0.6	0.3	0.2	0.6
Union	1.6	3.5	2.6	1.7	1.8	1.2	2.0	1.2	1.3	1.0	0.6
Van Buren	1.9	3.2	1.2	2.5	1.9	1.5	2.0	1.4	0.9	1.5	1.4
Wapello	3.5	3.8	2.5	3.7	4.2	2.5	2.1	2.3	3.7	1.9	2.3
Warren	2.6	4.0	2.4	1.1	1.0	1.5	2.4	2.2	1.8	1.5	1.2
Washington	1.6	2.9	2.7	2.5	2.8	1.8	1.6	1.5	2.4	1.5	2.0
Wayne	3.8	0.9	0.7	0.9	0.7	3.2	2.1	1.7	1.7	0.3	1.7
Webster	2.6	3.3	3.2	2.9	2.8	2.7	2.9	4.3	4.5	3.7	4.4
Winnebago	1.3	2.4	2.0	2.4	1.6	1.2	1.5	1.3	1.1	0.8	1.6
Winneshiek	0.4	0.7	1.7	1.7	1.4	0.7	0.8	0.6	0.7	0.7	0.6
Woodbury	3.2	2.2	3.9	3.7	3.3	4.0	2.7	2.7	2.3	2.4	1.8
Worth	2.0	0.9	1.9	1.7	1.2	1.4	2.4	1.0	1.8	0.9	0.5
Wright	1.3	1.3	0.8	0.8	0.8	0.9	1.0	1.2	1.4	0.5	0.8
State of Iowa	2.1	2.2	2.1	2.2	2.3	2.5	2.5	2.6	2.5	2.5	2.3

Figure 1. Dropouts from public secondary schools in Iowa, 1980-1996.

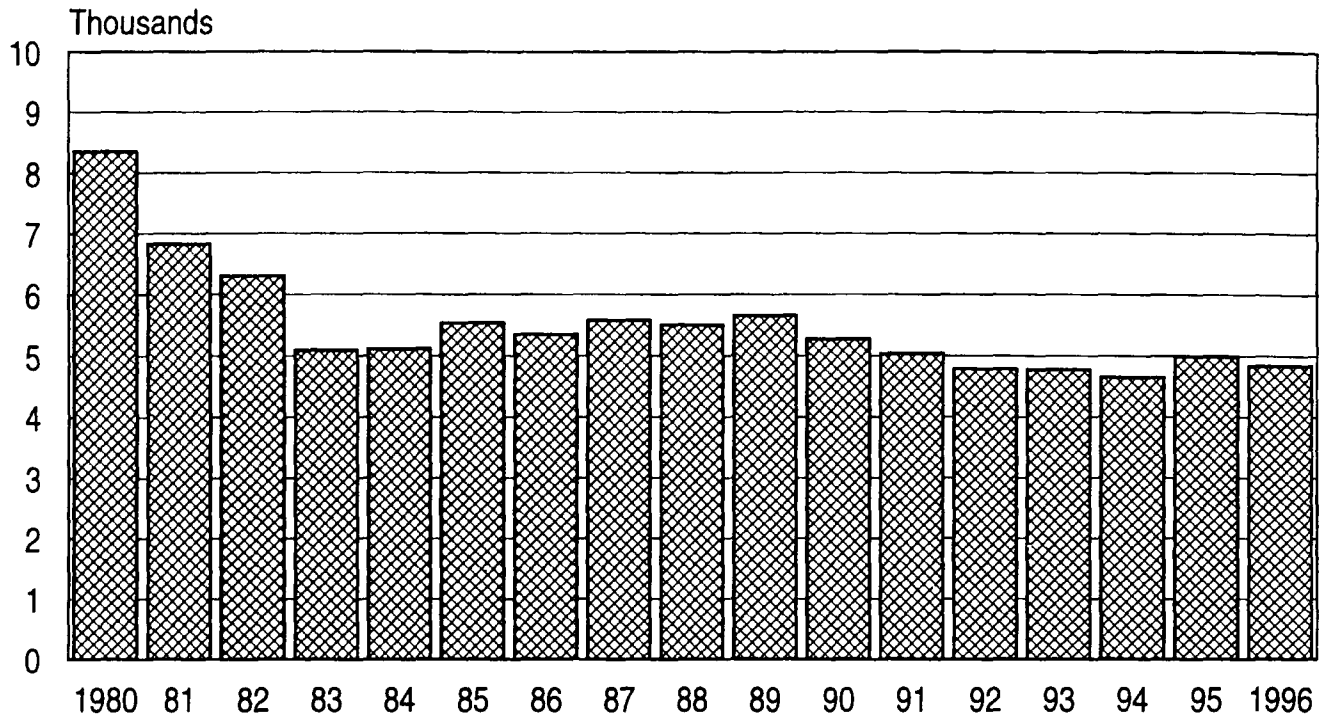
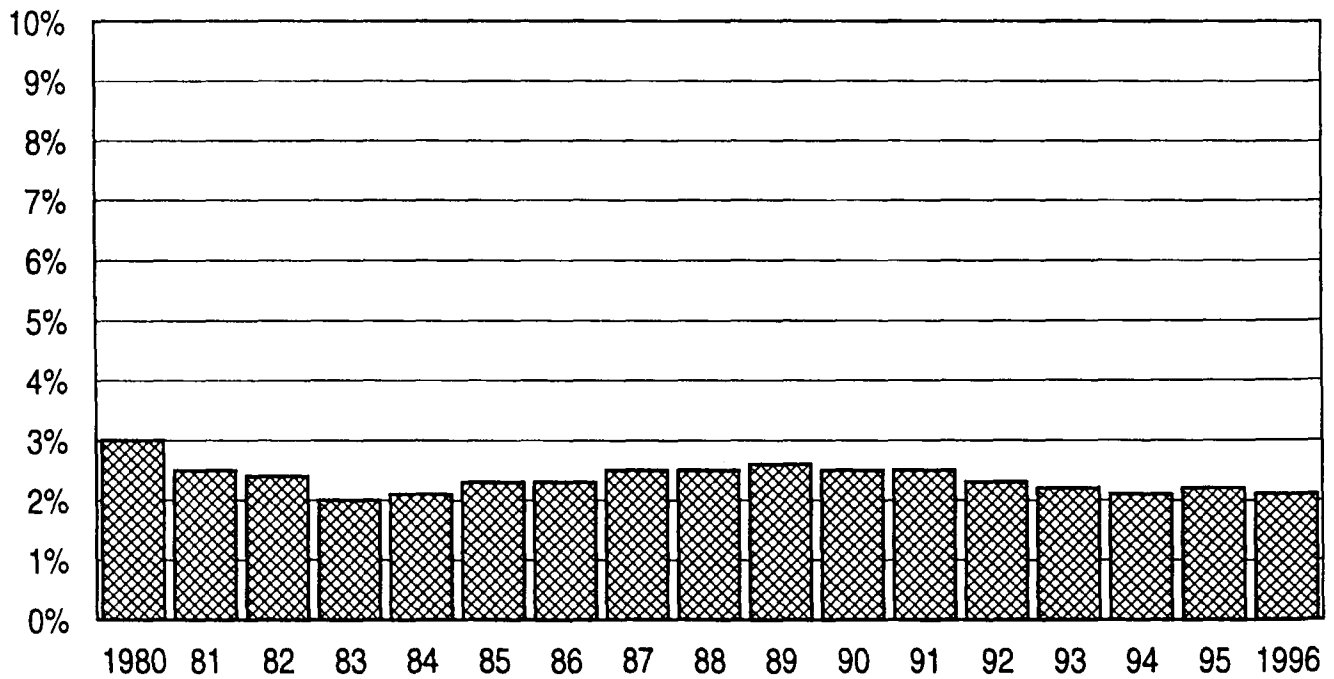


Figure 2. Dropouts as percent of public secondary school enrollees in Iowa, 1980-1996.



## Students Receiving Free or Reduced-Price School Meals in Iowa's Counties: 1986-1987 – 1996-1997

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Nutrition assistance is provided to low-income students enrolled in Iowa's schools. Students qualify for the program on the basis of family income; those with lower income can be eligible for free meals while others with somewhat higher income can receive meals at a reduced price. The Iowa Department of Education administers the program based on U.S. Department of Agriculture guidelines. The program includes public and private schools and also residential child care institutions that meet the guidelines.

For this report, the average monthly number of students in the meal program was calculated for each school year from 1986-1987 through 1996-1997. Data from monthly reports were used, but the reports available varied from one year to the next by month and by number (2-5). Information on the meal program is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Changes have been made in the eligibility requirements for the program throughout the period; they may have some effect on year-to-year comparisons.

### Free Meals

In the 1986-1987 school year, more than 104,000 students in Iowa received free meals at school (Table 1). By 1989-1990, however, that number had been reduced significantly to 89,000, the lowest number of the period; it then increased steadily to nearly 111,000 in 1996-1997, the highest figure across the years examined.

During the 1996-1997 school year, Black Hawk, Linn, Polk, Scott, and Woodbury averaged at least 5,000 students receiving free meals each month. Eighteen other counties had at least 1,000 such students. All counties except Adams and Osceola averaged at least 200 monthly.

The number of students receiving free meals during the 1996-1997 school year was more than 6,000 higher than 10 years earlier in 1986-1987. Forty-seven counties also had more students in the program in 1996-1997 than in 1986-1987. Johnson, Linn, Polk, Pottawattamie, Scott, and Woodbury had increases greater than 500, with Polk's gain of 4,007 substantially higher than all others; another 18 increased by at least 100. Of the 52 counties with fewer students in the program in 1996-1997 than 10 years earlier, 30 dropped by at least 100; Black Hawk and Dubuque were the only counties with declines greater than 500, however.

### Reduced-Price Meals

The number of students in Iowa receiving reduced-price meals did not vary as much throughout the period as the number getting free meals (Table 2), although it has increased each year since 1988-1989. In 1996-1997, an average of 35,822 students qualified for reduced-price meals each month. This

Table 1. Average Number of Students Receiving Free Meals in Selected Months\* in Iowa Counties, 1986-1997.

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Adair	314	317	311	326	312	289	304	238	212	253	334
Adams	196	197	193	187	173	156	161	162	175	149	203
Allamakee	579	607	598	553	572	515	481	491	505	580	642
Appanoose	880	880	855	835	829	842	844	811	819	940	911
Audubon	219	216	221	227	212	248	232	194	200	239	278
Benton	734	705	734	742	806	828	843	822	747	767	903
Black Hawk	5581	5683	5694	5244	5081	5016	4835	4828	4931	5291	6494
Boone	642	591	606	590	599	566	511	510	526	546	630
Bremer	774	791	789	727	747	691	645	603	675	854	1103
Buchanan	679	692	733	762	762	792	724	694	733	779	926
Buena Vista	1105	1090	1168	987	833	783	743	704	674	686	730
Butler	360	395	502	511	486	499	455	484	444	515	651
Calhoun	538	529	523	516	519	495	451	363	420	466	556
Carroll	1029	826	738	497	613	754	654	743	711	718	863
Cass	718	690	734	709	678	699	617	648	656	682	714
Cedar	542	525	471	476	478	441	368	392	411	434	446
Cerro Gordo	1548	1492	1496	1434	1427	1341	1321	1267	1289	1338	1418
Cherokee	395	483	520	540	519	496	465	462	506	539	588
Chickasaw	406	383	416	468	413	433	403	408	433	474	555
Clarke	540	526	517	515	528	451	390	383	439	502	481
Clay	432	522	560	567	518	623	592	578	611	689	672
Clayton	801	815	820	689	593	668	667	553	674	736	924
Clinton	1803	1740	1752	1714	1649	1541	1484	1483	1549	1612	1744
Crawford	749	755	749	748	681	728	744	799	723	779	830
Dallas	1187	1137	1002	953	1098	948	835	790	757	843	900
Davis	350	308	340	358	376	357	330	310	306	383	422
Decatur	597	518	531	565	562	525	484	470	464	465	501
Delaware	720	708	689	703	694	642	619	631	679	659	821
Des Moines	1714	1654	1572	1520	1462	1559	1535	1448	1499	1472	1405
Dickinson	443	408	443	431	391	421	430	457	505	528	565
Dubuque	3243	3116	3008	3007	2899	2835	2731	2813	2894	3157	3933
Emmet	650	706	749	651	561	589	534	571	632	623	684
Fayette	1012	945	1032	1039	972	970	953	943	954	1076	1219
Floyd	827	894	904	940	888	893	888	852	918	993	1022
Franklin	435	412	367	347	356	376	327	350	340	337	400
Fremont	400	347	396	369	425	375	335	333	279	374	409
Greene	513	463	471	426	409	425	391	342	383	352	418
Grundy	451	373	367	394	396	305	276	244	229	277	345
Guthrie	480	500	519	487	505	503	464	428	480	587	677
Hamilton	526	576	580	566	596	551	534	492	508	558	557
Hancock	399	388	427	447	441	470	407	357	347	410	447
Hardin	1090	1087	1035	1046	1050	1106	1007	1062	960	1004	1078
Harrison	786	781	806	664	728	744	687	652	665	706	747
Henry	698	621	558	641	641	639	571	532	492	522	564
Howard	404	458	496	520	473	479	431	443	515	532	592
Humboldt	298	312	297	323	303	305	289	305	311	369	411
Ida	272	310	309	301	334	257	243	234	245	294	327
Iowa	386	349	401	411	375	334	347	306	308	349	373
Jackson	804	761	860	821	783	797	756	784	817	885	1061
Jasper	990	919	968	904	832	841	747	753	720	791	864

\*The number of months used varies from two to five; months change across some years because of data availability.

Table 1. Average Number of Students Receiving Free Meals in Selected Months\* in Iowa Counties, 1986-1997 (cont.).

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Jefferson	372	351	320	291	326	302	283	263	257	281	342
Johnson	1714	1582	1475	1376	1379	1292	1243	1208	1198	1241	1201
Jones	729	710	682	669	620	594	580	583	602	603	759
Keokuk	582	515	479	529	537	514	500	475	421	490	507
Kossuth	667	722	779	789	729	705	613	590	598	713	836
Lee	1661	1615	1715	1728	1397	1363	1238	1209	1266	1334	1389
Linn	5888	5625	5752	5712	5627	5446	5096	4659	4669	4874	5090
Louisa	786	755	615	646	606	514	514	482	416	445	482
Lucas	470	444	420	408	376	334	293	281	297	326	374
Lyon	333	420	352	372	392	366	319	367	414	479	557
Madison	399	427	439	484	476	472	410	445	437	448	567
Mahaska	790	798	791	885	831	814	792	788	826	901	939
Marion	867	946	939	863	863	820	741	654	753	791	840
Marshall	1757	1639	1569	1563	1435	1380	1297	1155	1128	1174	1573
Mills	607	555	540	557	532	511	425	444	440	444	505
Mitchell	314	341	322	339	339	340	324	313	353	423	462
Monona	463	454	430	484	509	534	573	539	576	585	591
Monroe	386	383	391	367	365	364	358	321	349	389	425
Montgomery	508	436	404	369	401	388	338	345	331	365	395
Muscatine	1860	1818	1854	1837	1918	1836	1766	1587	1514	1492	1455
O'Brien	585	619	626	570	543	522	469	453	501	564	623
Osceola	194	148	169	168	162	172	145	163	155	173	217
Page	799	745	769	801	750	615	584	604	565	653	724
Palo Alto	456	503	506	595	600	565	579	532	557	625	669
Plymouth	682	688	678	620	643	680	606	750	803	830	885
Pocahontas	307	370	294	308	421	392	383	307	314	355	418
Polk	13555	12719	12053	11088	10857	10257	9244	8691	8746	9288	9548
Pottawattamie	4827	4545	4493	4227	3944	3747	3399	3112	3091	3206	3121
Poweshiek	481	455	482	470	502	445	423	365	371	399	420
Ringgold	374	383	371	344	324	358	302	315	317	312	323
Sac	534	586	612	595	551	572	517	524	546	572	617
Scott	7526	7184	6845	6749	6533	6415	5859	5884	5607	5754	5729
Shelby	618	689	675	653	644	555	493	441	435	489	517
Sioux	1105	1196	1085	1023	1073	1008	989	989	1050	1246	1451
Story	1486	1443	1438	1333	1313	1302	1251	1213	1220	1287	1315
Tama	755	719	856	847	976	879	785	720	757	820	926
Taylor	395	378	394	388	392	381	384	371	394	445	482
Union	654	646	624	606	609	554	542	541	550	555	611
Van Buren	360	394	392	404	372	354	342	337	333	335	364
Wapello	1986	1954	1977	1894	1874	1944	1967	2034	2050	2166	2346
Warren	852	821	864	817	798	744	645	604	628	868	725
Washington	675	630	587	536	505	545	536	533	518	562	611
Wayne	405	405	448	424	419	365	330	343	356	359	382
Webster	1633	1516	1633	1790	1634	1514	1533	1481	1516	1592	1588
Winnebago	448	458	420	395	403	361	404	356	347	378	456
Winneshiek	509	492	498	542	504	490	482	491	529	534	599
Woodbury	5111	4729	4579	4420	4496	4430	4211	3994	4070	4111	4320
Worth	241	245	252	206	232	198	191	193	181	195	241
Wright	623	612	594	514	486	424	439	410	390	471	490
State of Iowa	110570	107308	106313	102994	100798	97820	91826	88983	90009	96058	104328

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months\* in Iowa Counties, 1986-1997.

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Adair	145	139	122	128	121	110	73	92	106	111	79
Adams	65	60	78	62	59	61	52	48	65	59	68
Allamakee	284	256	279	275	252	269	256	225	205	188	175
Appanoose	215	190	172	200	195	191	176	182	171	139	146
Audubon	82	111	87	100	78	91	84	61	64	61	63
Benton	289	283	257	260	291	292	293	213	263	326	276
Black Hawk	1267	1074	1061	1218	1177	1142	1152	985	1004	1068	1216
Boone	250	249	205	223	226	224	222	233	206	198	221
Bremer	334	324	305	316	308	287	305	294	278	254	289
Buchanan	215	203	243	201	201	216	196	218	177	192	207
Buena Vista	415	489	417	408	315	290	271	229	215	287	281
Butler	157	198	195	220	243	220	248	151	178	167	180
Calhoun	205	236	239	263	260	207	167	196	147	165	163
Carroll	473	401	401	267	327	416	355	335	348	332	349
Cass	242	237	252	243	269	203	271	222	250	243	267
Cedar	196	174	189	160	195	188	179	178	179	177	160
Cerro Gordo	577	579	579	527	488	457	437	433	476	486	499
Cherokee	163	216	220	224	233	192	185	184	192	189	192
Chickasaw	221	254	209	186	189	168	197	202	169	186	198
Clarke	166	136	163	164	135	113	108	88	96	75	132
Clay	297	216	237	257	268	316	292	284	230	223	265
Clayton	396	361	309	259	263	276	313	240	251	231	258
Clinton	411	377	369	403	418	331	367	342	291	287	326
Crawford	340	247	288	341	322	347	299	277	280	279	310
Dallas	399	407	395	412	440	387	380	287	279	325	353
Davis	107	101	128	134	103	102	97	97	92	88	90
Decatur	175	163	153	148	134	127	118	105	109	115	105
Delaware	228	217	191	200	189	191	170	154	149	123	127
Des Moines	418	374	324	348	317	339	335	317	332	377	334
Dickinson	171	206	183	196	194	204	154	164	145	129	133
Dubuque	1287	1224	1243	1184	1224	1101	1058	958	936	996	970
Emmet	183	195	215	204	206	244	216	201	192	227	203
Fayette	370	430	383	361	361	321	275	250	254	252	296
Floyd	288	253	261	237	245	230	226	240	229	264	272
Franklin	187	177	162	186	218	169	194	155	149	169	126
Fremont	147	184	173	143	170	142	136	108	95	117	114
Greene	204	210	205	197	196	195	163	173	205	189	182
Grundy	217	204	235	178	204	125	122	119	129	135	140
Guthrie	200	183	170	199	220	191	158	151	169	158	158
Hamilton	262	256	277	261	243	237	221	189	174	203	214
Hancock	199	211	172	213	191	194	236	186	193	200	186
Hardin	258	312	292	282	282	243	268	233	274	253	268
Harrison	324	317	299	240	277	261	242	241	245	231	250
Henry	236	243	188	213	230	223	173	167	182	173	200
Howard	271	264	325	275	271	263	218	166	161	161	174
Humboldt	165	158	196	184	178	188	170	151	169	185	195
Ida	193	147	174	178	150	152	163	140	150	148	164
Iowa	182	181	202	182	206	221	220	165	167	163	184
Jackson	341	327	261	298	268	275	223	205	191	170	181
Jasper	353	283	299	322	313	251	261	218	195	192	232

\*The number of months used varies from two to five; months change across some years because of data availability.

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months\* in Iowa Counties, 1986-1997 (continued).

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Jefferson	85	76	63	86	96	80	55	68	74	57	57
Johnson	435	452	378	388	395	370	399	382	346	322	354
Jones	278	233	274	258	219	254	244	207	162	192	152
Keokuk	129	146	161	130	150	162	152	143	120	110	109
Kossuth	426	409	392	317	350	248	242	251	286	290	264
Lee	376	374	324	316	295	280	270	261	285	315	315
Linn	1802	1705	1757	1753	1556	1512	1476	1250	1246	1297	1400
Louisa	165	182	177	144	123	121	111	115	138	104	136
Lucas	116	102	89	86	96	85	104	97	105	95	110
Lyon	198	154	184	182	168	170	145	213	223	208	175
Madison	220	194	186	189	200	207	247	200	228	254	204
Mahaska	229	222	275	245	222	222	241	235	219	180	245
Marion	379	285	336	293	332	378	349	328	261	266	258
Marshall	488	450	392	380	439	422	355	332	320	349	428
Mills	232	183	189	177	162	154	188	117	67	118	100
Mitchell	161	139	183	178	183	149	166	174	156	206	179
Monona	158	133	166	170	149	142	138	132	112	120	153
Monroe	108	85	91	113	126	89	92	97	100	84	62
Montgomery	111	101	91	110	95	103	91	110	126	125	121
Muscatine	466	492	438	489	533	402	417	347	384	384	371
O'Brien	280	287	305	308	261	277	310	246	242	209	249
Osceola	84	104	113	111	123	90	100	94	83	85	102
Page	158	162	209	213	207	190	210	208	204	192	201
Palo Alto	198	198	238	200	188	197	193	169	168	161	194
Plymouth	331	361	348	352	357	339	273	341	317	342	299
Pocahontas	146	108	154	166	178	165	159	174	149	156	129
Polk	3473	3344	3036	2807	2776	2675	2638	2393	2538	2359	2418
Pottawattamie	1330	1151	1142	1086	989	866	822	832	811	848	912
Poweshiek	212	166	160	140	150	141	132	145	100	94	138
Ringgold	78	68	75	96	99	97	94	71	80	72	77
Sac	231	260	244	255	236	261	202	234	232	266	309
Scott	1356	1233	1129	1075	1099	1007	996	918	923	842	897
Shelby	322	310	306	295	266	228	181	180	160	155	137
Sioux	783	808	776	761	745	747	683	663	633	601	577
Story	541	476	436	452	448	477	499	405	437	440	461
Tama	309	270	246	321	331	293	298	320	261	258	249
Taylor	138	138	124	109	104	114	96	100	118	105	119
Union	273	270	194	207	234	218	167	177	159	186	178
Van Buren	143	126	120	102	110	98	107	92	80	96	121
Wapello	577	504	430	485	462	438	417	334	388	363	385
Warren	399	339	349	324	285	279	249	292	264	259	224
Washington	221	198	249	281	213	225	186	140	170	156	184
Wayne	167	159	121	110	105	88	111	70	64	85	74
Webster	519	521	554	512	494	494	456	491	497	476	474
Winnebago	230	232	195	193	221	209	168	151	131	121	143
Winneshiek	225	223	235	229	234	218	231	197	201	197	184
Woodbury	1432	1334	1173	1090	1178	1184	1096	894	887	929	846
Worth	100	98	129	115	92	118	109	94	97	96	111
Wright	237	241	247	207	185	210	190	208	199	171	222
State of Iowa	35822	34037	33166	32484	32125	30677	29551	27140	26953	27063	27963

Table 3. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months\* in Iowa Counties, 1986-1997.

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Adair	35.8	35.2	33.7	36.8	35.4	33.6	32.2	29.2	28.5	30.9	35.2
Adams	36.0	34.9	36.4	34.6	32.2	30.9	30.0	28.3	31.3	26.4	34.7
Allamakee	29.5	29.5	29.9	28.6	28.2	26.8	25.4	24.7	24.3	25.9	27.5
Appanoose	42.2	40.9	41.2	39.7	38.9	39.1	39.2	38.1	37.9	40.1	39.5
Audubon	26.0	28.0	26.3	27.7	27.3	28.7	27.2	21.6	22.1	24.3	26.9
Benton	23.1	22.7	23.0	23.5	24.0	24.7	25.2	23.0	23.2	25.3	26.8
Black Hawk	31.2	31.8	31.7	30.0	30.4	29.3	28.3	28.2	28.6	30.7	36.1
Boone	20.4	19.9	19.6	20.0	20.5	19.6	18.7	19.0	19.1	19.4	21.9
Bremer	19.8	19.3	19.3	18.8	19.2	18.2	17.8	16.8	18.0	21.5	25.8
Buchanan	25.3	24.8	26.6	26.4	26.2	27.8	25.3	26.5	26.7	29.5	34.7
Buena Vista	35.3	36.2	36.6	33.4	30.5	29.6	28.8	27.8	26.4	29.3	30.8
Butler	23.4	23.9	25.5	27.3	27.4	27.0	26.7	24.1	22.7	25.0	30.6
Calhoun	28.8	28.9	28.3	28.3	29.6	27.3	25.4	23.5	24.1	26.3	29.5
Carroll	30.0	24.6	23.4	22.3	22.6	24.7	24.1	22.7	24.7	25.5	28.0
Cass	31.9	30.7	32.3	31.6	30.5	29.3	28.0	27.4	28.6	28.9	31.0
Cedar	20.2	19.0	19.3	18.1	18.7	17.5	15.5	16.3	16.7	17.8	17.9
Cerro Gordo	26.4	25.6	25.5	25.1	26.3	24.3	23.8	22.4	23.6	24.1	24.4
Cherokee	22.7	25.0	25.6	26.0	25.5	24.6	23.7	23.0	25.2	26.1	28.4
Chickasaw	24.8	25.2	25.1	26.5	24.4	24.3	24.3	24.4	23.6	26.0	29.1
Clarke	38.6	36.2	38.2	39.0	37.7	31.7	29.6	28.9	32.4	22.1	36.8
Clay	23.6	23.7	25.7	25.9	28.3	26.3	25.7	25.4	25.4	28.6	29.3
Clayton	30.5	29.8	28.8	27.7	25.7	26.0	25.1	23.3	25.3	28.0	30.3
Clinton	24.3	23.0	22.7	22.9	21.9	20.0	20.1	19.8	20.2	20.3	22.2
Crawford	37.2	34.2	34.5	33.6	31.1	30.6	29.6	29.6	27.0	27.7	29.3
Dallas	19.8	19.8	19.9	19.5	22.6	20.3	19.2	17.8	17.1	19.9	21.1
Davis	34.4	30.9	38.8	35.6	34.1	32.6	29.7	28.8	28.1	33.2	35.1
Decatur	52.5	47.3	46.8	48.1	46.9	43.8	40.8	39.5	39.0	38.5	39.5
Delaware	23.2	22.5	21.8	22.2	22.5	21.8	21.0	21.5	23.0	22.7	26.5
Des Moines	28.2	26.5	25.3	24.0	23.1	24.3	24.2	23.1	23.8	23.8	22.4
Dickinson	21.5	21.8	22.1	22.7	21.0	23.4	21.5	23.1	24.6	25.4	26.6
Dubuque	24.8	23.3	23.3	23.0	22.7	21.6	21.6	21.4	21.5	23.1	26.8
Emmet	36.5	38.3	39.6	36.7	35.3	35.9	32.7	33.3	35.4	36.9	38.3
Fayette	29.5	29.9	30.2	30.1	28.6	28.1	25.9	25.6	26.1	28.8	32.4
Floyd	32.9	34.0	35.1	35.3	33.7	33.2	33.3	32.7	34.3	36.2	36.6
Franklin	30.0	28.6	29.0	29.1	31.0	29.7	28.7	28.9	28.9	30.5	31.1
Fremont	33.3	32.2	33.6	34.1	35.4	30.7	27.9	26.5	27.2	28.9	30.4
Greene	36.0	35.8	35.9	34.7	32.9	34.0	31.7	29.8	33.4	30.9	33.6
Grundy	21.8	20.7	21.7	20.8	21.9	18.8	17.6	13.8	14.8	17.5	20.5
Guthrie	29.3	29.1	29.4	30.9	29.8	28.2	25.8	24.1	26.9	29.4	32.6
Hamilton	25.0	26.0	27.4	26.6	26.8	25.4	24.9	22.4	22.1	25.4	25.6
Hancock	27.7	28.4	27.9	27.9	26.7	27.2	27.1	23.3	23.2	25.4	26.6
Hardin	34.5	35.2	35.4	34.6	34.6	32.5	31.2	31.5	30.3	31.1	32.1
Harrison	32.5	32.7	32.9	33.2	32.9	33.1	31.1	30.0	30.5	30.7	32.4
Henry	24.3	22.8	23.6	22.0	22.6	22.7	20.0	19.4	18.9	19.3	21.1
Howard	29.3	31.1	34.1	34.1	31.6	31.8	28.1	26.8	29.7	30.1	32.6
Humboldt	24.0	23.7	25.0	25.4	24.1	25.1	23.4	23.2	24.6	28.0	30.4
Ida	30.2	30.0	30.6	30.0	30.6	26.1	26.7	26.2	27.4	31.5	35.6
Iowa	19.0	17.5	18.7	19.2	19.2	17.7	19.1	17.0	17.5	18.9	20.0
Jackson	27.1	25.6	26.2	26.2	24.7	25.4	24.2	23.9	23.9	24.8	29.1
Jasper	20.7	18.4	19.8	19.2	17.8	16.9	15.9	15.1	14.9	15.9	17.9

\*The number of months used varies from two to five; months change across some years because of data availability.



Table 3. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months\* in Iowa Counties, 1986-1997 (continued).

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Jefferson	22.2	21.8	21.0	20.7	22.8	21.2	19.1	18.4	18.1	18.5	21.3
Johnson	16.1	15.5	15.3	14.8	15.7	14.8	15.0	14.7	14.6	14.7	15.2
Jones	27.5	25.5	25.5	24.9	23.7	24.4	24.0	23.3	22.5	23.4	26.0
Keokuk	28.3	26.8	26.3	27.2	28.6	27.9	26.8	25.3	22.2	24.6	25.8
Kossuth	30.6	31.4	32.5	31.4	31.0	26.6	24.8	24.2	24.5	28.3	29.9
Lee	28.0	26.9	27.3	27.3	23.4	22.5	21.8	20.7	21.8	22.0	23.4
Linn	22.0	21.2	22.3	22.8	22.3	21.8	22.0	20.5	20.3	20.8	21.6
Louisa	31.8	31.1	29.5	28.1	26.4	23.6	22.9	21.9	20.8	21.1	23.2
Lucas	35.4	34.2	32.3	30.5	30.0	26.9	25.1	24.0	25.5	26.0	29.5
Lyon	23.1	24.5	22.3	23.5	23.6	23.1	22.8	25.0	27.1	29.1	31.1
Madison	21.5	21.6	22.1	24.1	24.2	24.1	23.3	22.7	23.4	24.9	27.0
Mahaska	29.2	29.7	30.7	32.5	30.1	30.3	30.0	30.1	30.6	32.1	34.7
Marion	19.6	19.2	20.2	20.0	19.8	19.8	18.7	17.8	18.3	19.3	21.8
Marshall	33.3	31.2	29.9	29.9	28.8	26.6	25.1	22.6	23.0	23.4	30.0
Mills	30.6	28.1	28.1	27.9	26.4	25.7	23.6	21.4	19.2	21.1	23.0
Mitchell	22.9	23.4	24.7	25.4	25.9	24.4	24.8	24.4	25.2	30.9	31.8
Monona	34.2	31.8	33.4	35.0	34.5	35.6	37.6	34.9	36.0	37.5	38.5
Monroe	36.7	34.6	36.3	36.5	36.8	34.2	34.2	32.3	35.2	35.3	36.6
Montgomery	31.3	27.4	24.9	24.0	24.7	24.4	21.6	22.0	23.0	23.1	25.7
Muscatine	30.4	30.5	30.1	30.6	31.9	29.8	30.0	26.6	26.3	26.0	25.3
O'Brien	26.3	26.9	27.7	26.5	26.0	24.9	24.3	22.6	23.9	25.4	27.8
Osceola	25.6	25.6	28.1	28.4	28.6	27.1	26.5	25.3	25.3	26.7	32.7
Page	29.6	28.3	30.3	32.0	29.9	26.5	26.4	25.6	25.0	27.4	29.9
Palo Alto	29.4	31.0	32.8	34.2	33.6	33.2	33.3	30.3	32.2	35.5	39.2
Plymouth	18.0	19.0	18.8	18.4	19.3	19.5	19.8	21.9	22.4	23.7	27.7
Pocahontas	29.2	29.7	28.6	30.6	32.0	29.9	30.1	26.9	26.6	28.9	31.4
Polk	26.4	25.1	24.1	22.9	22.7	23.3	22.2	21.0	22.2	23.0	24.1
Pottawattamie	34.3	33.5	33.9	32.5	30.5	28.8	26.9	25.8	25.3	26.2	25.3
Poweshiek	21.4	20.0	21.5	20.5	22.0	20.5	19.9	18.1	16.5	17.1	19.2
Ringgold	43.0	43.0	44.9	43.9	42.3	44.5	40.2	38.4	39.9	38.7	40.2
Sac	32.9	35.8	35.8	35.7	33.6	34.7	30.1	31.4	32.9	36.0	39.9
Scott	28.8	27.7	28.0	27.2	26.5	25.9	24.1	24.1	23.6	23.7	23.9
Shelby	33.0	32.7	32.4	31.8	30.1	28.9	25.7	23.9	23.1	24.8	24.8
Sioux	25.9	27.4	26.8	26.6	26.4	25.6	24.8	25.6	25.9	28.9	32.0
Story	19.0	18.2	18.2	17.5	17.7	17.8	18.3	17.2	17.8	18.8	19.5
Tama	33.2	31.2	34.7	36.2	35.8	34.5	31.7	30.3	29.3	30.2	32.8
Taylor	41.0	39.8	40.5	38.9	39.0	38.2	34.9	34.7	36.2	40.4	43.4
Union	40.0	39.2	36.3	36.0	36.3	33.1	30.9	30.2	29.4	30.8	32.5
Van Buren	34.9	35.5	34.7	34.6	33.6	32.2	32.1	30.6	29.4	30.1	33.3
Wapello	37.8	36.7	35.9	35.5	34.5	35.4	35.6	36.1	36.4	37.4	39.3
Warren	17.1	15.4	17.3	16.3	15.9	15.2	13.3	13.5	13.8	17.2	14.6
Washington	23.6	22.1	22.0	21.9	19.5	20.9	19.8	18.7	18.7	19.6	21.7
Wayne	44.3	45.7	45.7	43.6	42.2	38.1	36.3	34.6	35.2	37.1	36.9
Webster	31.4	30.2	31.9	33.6	30.8	29.8	29.7	30.2	29.8	31.2	30.4
Winnebago	23.5	23.3	21.5	20.7	22.0	20.3	20.5	18.4	17.0	17.9	21.7
Winneshiek	21.9	22.0	22.5	23.3	22.1	21.8	22.4	21.7	22.7	23.5	25.0
Woodbury	32.0	30.9	30.6	30.0	30.6	30.5	28.8	27.3	27.5	28.3	30.4
Worth	29.3	29.6	33.0	28.4	28.0	27.5	27.0	25.7	24.1	25.2	28.8
Wright	28.0	27.5	26.7	24.9	24.6	23.6	24.4	23.6	22.3	24.5	26.5
State of Iowa	27.2	26.4	26.6	26.2	25.8	25.2	24.4	23.5	23.8	25.0	26.8

Table 4. Average Number Enrolled in Schools in Selected Months\* in Iowa Counties, 1986-1997.

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Adair	1283	1293	1285	1232	1221	1188	1172	1130	1115	1179	1173
Adams	726	734	744	720	720	704	709	741	766	789	782
Allamakee	2925	2926	2938	2899	2926	2929	2905	2903	2920	2965	2971
Appanoose	2595	2619	2497	2609	2635	2645	2603	2607	2613	2693	2678
Audubon	1157	1170	1171	1180	1067	1181	1161	1179	1192	1234	1267
Benton	4426	4355	4315	4270	4570	4534	4500	4492	4351	4314	4400
Black Hawk	21951	21255	21319	21534	20615	21025	21120	20642	20769	20708	21383
Boone	4379	4214	4133	4077	4020	4034	3922	3905	3838	3830	3877
Bremer	5600	5763	5671	5537	5497	5382	5326	5340	5295	5154	5387
Buchanan	3539	3606	3671	3656	3675	3629	3633	3437	3408	3291	3265
Buena Vista	4311	4355	4329	4179	3765	3619	3516	3360	3362	3322	3287
Butler	2208	2478	2733	2674	2664	2669	2636	2635	2735	2728	2716
Calhoun	2580	2644	2690	2749	2634	2571	2431	2382	2349	2403	2435
Carroll	5002	4996	4871	3422	4159	4734	4193	4741	4288	4124	4332
Cass	3014	3022	3055	3017	3103	3083	3174	3173	3169	3198	3167
Cedar	3661	3674	3413	3515	3593	3603	3519	3499	3533	3438	3380
Cerro Gordo	8056	8083	8124	7799	7293	7404	7400	7591	7494	7569	7841
Cherokee	2463	2798	2894	2934	2950	2790	2738	2805	2772	2788	2743
Chickasaw	2530	2525	2494	2465	2470	2468	2472	2498	2550	2537	2586
Clarke	1827	1827	1781	1742	1760	1781	1682	1630	1652	2609	1667
Clay	3089	3110	3104	3178	2777	3577	3434	3392	3314	3193	3196
Clayton	3930	3942	3915	3419	3329	3628	3904	3398	3662	3454	3896
Clinton	9118	9199	9333	9243	9426	9364	9188	9234	9098	9374	9314
Crawford	2928	2925	3005	3238	3225	3511	3521	3631	3712	3814	3895
Dallas	8022	7806	7015	7011	6808	6576	6323	6037	6043	5880	5936
Davis	1327	1323	1207	1381	1409	1411	1437	1412	1415	1418	1457
Decatur	1471	1439	1461	1482	1484	1489	1474	1457	1471	1507	1535
Delaware	4094	4110	4034	4057	3924	3829	3756	3643	3604	3452	3574
Des Moines	7552	7664	7497	7793	7709	7796	7729	7647	7693	7765	7765
Dickinson	2856	2818	2833	2763	2785	2665	2712	2690	2643	2586	2624
Dubuque	18296	18628	18246	18205	18129	18188	17523	17622	17787	17991	18282
Emmet	2283	2353	2439	2332	2177	2318	2292	2321	2326	2301	2318
Fayette	4690	4595	4687	4653	4668	4588	4734	4652	4624	4607	4671
Floyd	3391	3368	3320	3332	3359	3380	3348	3338	3345	3472	3539
Franklin	2074	2058	1822	1834	1849	1837	1817	1746	1693	1660	1691
Fremont	1642	1653	1694	1501	1681	1687	1688	1664	1377	1697	1721
Greene	1994	1883	1882	1800	1840	1826	1750	1731	1758	1752	1787
Grundy	3060	2792	2777	2751	2740	2282	2264	2636	2419	2354	2369
Guthrie	2323	2344	2342	2217	2430	2458	2414	2399	2415	2535	2563
Hamilton	3151	3195	3126	3111	3131	3099	3032	3042	3084	2992	3014
Hancock	2160	2111	2150	2364	2364	2440	2375	2335	2330	2401	2378
Hardin	3906	3970	3748	3841	3844	4152	4093	4109	4077	4042	4189
Harrison	3419	3361	3360	2726	3058	3037	2984	2978	2983	3055	3079
Henry	3848	3796	3167	3886	3850	3802	3722	3598	3572	3605	3627
Howard	2301	2319	2408	2334	2352	2333	2312	2276	2277	2305	2351
Humboldt	1926	1984	1974	1997	1998	1958	1960	1969	1955	1978	1994
Ida	1538	1524	1575	1598	1584	1567	1521	1429	1444	1401	1381
Iowa	2987	3026	3231	3087	3031	3138	2967	2769	2710	2714	2791
Jackson	4227	4250	4274	4273	4254	4226	4042	4139	4212	4259	4261
Jasper	6480	6521	6408	6396	6436	6467	6350	6451	6125	6198	6136

\*The number of months used varies from two to five; months change across some years because of data availability.

Table 4. Average Number Enrolled in Schools in Selected Months\* in Iowa Counties, 1986-1997 (continued).

County	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987
Jefferson	2056	1961	1829	1816	1853	1807	1771	1795	1826	1825	1869
Johnson	13339	13094	12103	11880	11323	11268	10963	10807	10579	10599	10245
Jones	3667	3693	3749	3717	3537	3471	3433	3389	3394	3404	3500
Keokuk	2508	2467	2436	2422	2400	2421	2432	2446	2441	2443	2390
Kossuth	3569	3599	3600	3518	3484	3583	3446	3471	3602	3540	3679
Lee	7279	7385	7481	7475	7240	7298	6906	7102	7119	7485	7291
Linn	35023	34608	33645	32691	32147	31861	29899	28832	29124	29670	30103
Louisa	2995	3008	2686	2811	2757	2695	2732	2730	2663	2600	2669
Lucas	1654	1597	1576	1623	1575	1559	1581	1575	1579	1621	1642
Lyon	2303	2342	2400	2355	2375	2321	2032	2324	2353	2358	2353
Madison	2884	2869	2824	2799	2800	2821	2815	2838	2836	2824	2855
Mahaska	3486	3438	3478	3478	3493	3416	3444	3400	3412	3363	3409
Marion	6372	6403	6308	5780	6031	6051	5820	5509	5546	5483	5036
Marshall	6737	6690	6560	6498	6495	6782	6569	6574	6296	6515	6662
Mills	2741	2624	2590	2629	2629	2587	2600	2623	2647	2667	2636
Mitchell	2070	2049	2041	2035	2016	2002	1978	2000	2016	2035	2014
Monona	1815	1845	1786	1869	1908	1900	1892	1925	1912	1882	1933
Monroe	1347	1351	1328	1314	1335	1324	1316	1293	1274	1340	1331
Montgomery	1978	1958	1989	1999	2006	2017	1989	2066	1987	2120	2004
Muscatine	7662	7575	7605	7610	7673	7520	7273	7276	7204	7208	7219
O'Brien	3292	3364	3356	3307	3094	3205	3201	3093	3107	3046	3134
Osceola	1085	985	1005	981	995	966	926	1016	940	968	976
Page	3237	3207	3232	3165	3205	3041	3008	3176	3076	3089	3091
Palo Alto	2224	2258	2270	2326	2351	2296	2317	2311	2255	2212	2199
Plymouth	5638	5509	5462	5273	5175	5211	4434	4971	4996	4955	4282
Pocahontas	1551	1609	1562	1548	1873	1860	1800	1790	1738	1768	1743
Polk	64539	63946	62531	60791	59994	55555	53487	52846	50778	50616	49740
Pottawattamie	17930	17017	16642	16369	16199	16022	15709	15295	15430	15502	15946
Poweshiek	3241	3104	2982	2973	2965	2860	2793	2822	2860	2883	2899
Ringgold	1052	1046	993	1001	998	1023	985	1006	995	992	994
Sac	2323	2359	2387	2383	2343	2400	2389	2414	2362	2331	2322
Scott	30809	30436	28523	28749	28809	28683	28473	28207	27704	27823	27678
Shelby	2846	3056	3027	2984	3022	2708	2627	2601	2581	2599	2634
Sioux	7280	7306	6946	6701	6893	6851	6749	6464	6501	6396	6329
Story	10657	10557	10326	10215	9955	10018	9570	9407	9300	9200	9106
Tama	3205	3174	3176	3231	3652	3402	3413	3432	3474	3564	3581
Taylor	1299	1298	1276	1280	1269	1298	1375	1359	1414	1363	1386
Union	2319	2335	2251	2256	2322	2336	2294	2376	2409	2405	2428
Van Buren	1442	1462	1477	1460	1434	1406	1399	1400	1405	1431	1457
Wapello	6773	6694	6701	6708	6772	6739	6688	6564	6700	6769	6943
Warren	7306	7522	7010	6985	6818	6725	6717	6634	6465	6561	6483
Washington	3791	3740	3803	3724	3691	3680	3644	3599	3686	3660	3660
Wayne	1291	1235	1246	1226	1243	1190	1214	1192	1193	1196	1236
Webster	6848	6737	6863	6853	6906	6746	6703	6526	6749	6622	6772
Winnebago	2882	2960	2864	2846	2840	2811	2790	2757	2815	2787	2756
Winneshiak	3350	3249	3259	3307	3334	3245	3181	3173	3213	3116	3134
Woodbury	20444	19650	18811	18348	18568	18435	18432	17878	17994	17788	17014
Worth	1162	1160	1151	1131	1159	1151	1110	1117	1154	1154	1222
Wright	3067	3099	3148	2901	2730	2688	2574	2616	2640	2619	2686
State of Iowa	538681	535032	524451	517352	514671	509850	498375	494454	491083	493034	493328

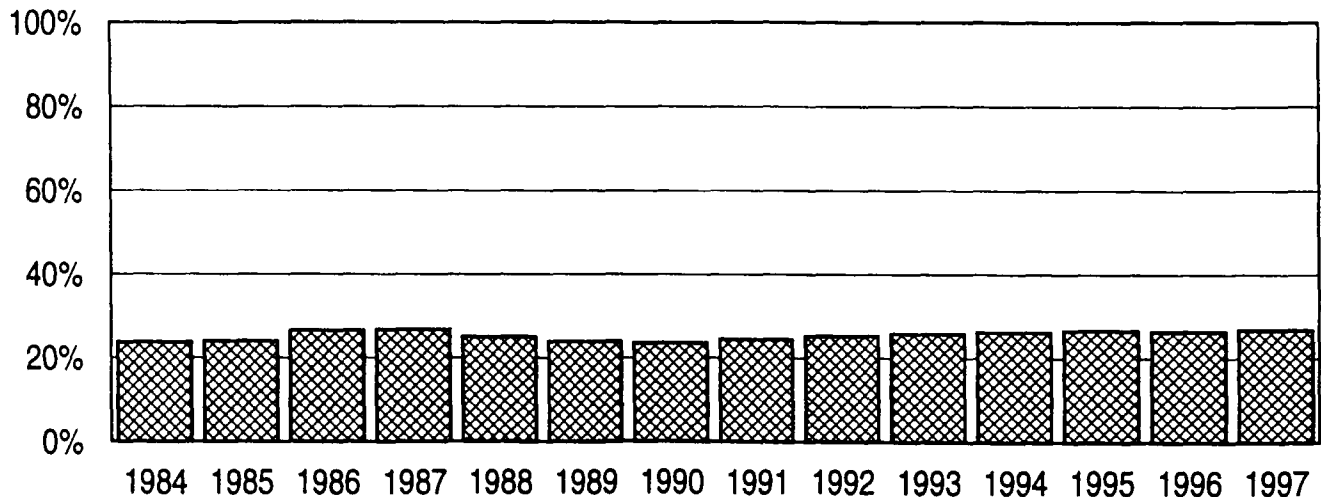
was the highest statewide average for reduced-priced meals during the period examined. For 1996-1997, Polk had 3,473 students getting reduced-price meals; the counts also were greater than 1,000 in Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Twenty-seven other counties had 300 or more. Adams (65) had the fewest students receiving reduced-price meals; Audubon, Jefferson, Osceola, and Ringgold also were under 100.

**Percentage of Students Receiving Free or Reduced-Price Meals**

In Iowa in 1996-1997, 27.2 percent of students enrolled in school received either free or reduced-price meals (Table 3; see Table 4 for the number of students enrolled). Although the percentage for the state did not vary greatly over the years (Figure 1), it was highest in 1996-1997. In the most recent year, Johnson (16.1%) and Warren (17.1%) had the lowest percentages of students in the meal program; six others (Bremer, Dallas, Iowa, Marion, Plymouth, Story) had figures below 20 percent. Sixteen counties had percentages greater than 35, with six at 40 percent or higher (Appanoose, Decatur, Ringgold, Taylor, Union, Wayne). Decatur was the only county in which more than half the students received free or reduced-price meals. For 45 counties, the percentages for the 1996-1997 school year were lower than what they had been during 1986-1987. Five (Buchanan, Lyon, Mitchell, Palo Alto, Plymouth) dropped by at least eight percentage points. Fifty-four counties had greater percentages of students in the meal program in 1996-1997 than in 1986-1987. Four (Decatur, Louisa, Pottawattamie, Shelby) had gains of at least eight percentage points.

**Note:** Caution must be exercised in comparing the averages among the years. The months for which data were available varied somewhat (1986-1987: September and October 1986, January and May 1987; 1987-1988: September and October 1987, January, February, and April 1988; 1988-1989: December 1988 and January and February 1989). For the years from 1989-1990 through 1996-1997, October of the first year and January and March of the second year were selected each time. The figures in these tables may differ somewhat from total annual enrollments or total annual numbers of students provided free or reduced-price meals because data were used for selected months.

Figure 1. Percent of students receiving free or reduced-price school meals in Iowa, 1984-1997.



## Domestic Abuse in Iowa's Counties: 1993-1996

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The Iowa Department of Public Safety reports incidents of domestic abuse as part of its annual publication program. Summary data are included on reported cases, characteristics of victims and offenders, and characteristics of the incidents. Domestic abuse is defined in the Iowa Code under any of the following circumstances: the assault is between family or household members who reside together at the time of the assault, the assault is between separated spouses or persons divorced from each other and not residing together at the time of the assault, the assault is between persons who are parents of the same minor child regardless of whether they have been married or have lived together at any time, or the assault is between persons who have been family or household members residing together within the past year and are not residing together at the time of the assault.

*Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on domestic abuse were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. When 1988-1990 data were used as a standard of comparison, the Iowa Department of Public Safety estimated that the 1995 crime data in general were approximately 83 percent complete, which was an improvement from the percentages of 69 and 67 for 1994 and 1993, respectively. The number of law enforcement units reporting data has changed from one year to the next. Thus, comparisons of 1993, 1994, 1995, and 1996 numbers are not appropriate either for the state or for many counties. Jurisdictions not reporting or providing insufficient data are listed in a note at the end of this section. Counties in which this occurred are highlighted in Tables 1-4; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.*

### Data for the State

Nearly 6,200 incidents of domestic abuse were reported in 1996 (Table 1). Females tend to be victims while males generally are the offenders in cases of domestic abuse. In 1996, 83.2 percent of the victims were females while 82.7 percent of the offenders were males. Arrests occurred in 75.1 percent of the cases for which responses were provided in 1996.

### Data for Counties

In 1996, 11 counties had at least 100 cases of domestic abuse reported by law enforcement personnel (Table 1). Three of these counties (Polk, Scott, Woodbury) counted 500 or more incidents. Fifteen counties had no reported incidents of domestic abuse that year. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

In the 84 counties in which domestic abuse cases were reported in 1996, the percentage of victims who were female varied from 0 percent in one county (Adams) to 100 percent in 15 others. Females were victims in at least 90 percent of the incidents in 30 counties, and males were the offenders

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1996.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	1	1	0	0	1	1	0
Adams	1	0	1	1	0	1	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	71	56	15	17	56	44	23
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	29*	25*	4*	4*	25*	28*	1*
Black Hawk*	427*	374*	53*	84*	392*	315*	112*
Boone	55	49	6	7	48	40	14
Bremer	10	10	0	0	10	9	1
Buchanan	3	3	0	0	3	3	0
Buena Vista	55	48	7	6	49	42	13
Butler	0	0	0	0	0	0	0
Calhoun	24	19	5	4	20	24	0
Carroll	8	6	2	3	6	3	5
Cass	29	28	1	1	28	25	4
Cedar*	23*	21*	2*	4*	19*	19*	2*
Cerro Gordo	159	133	26	27	137	138	14
Cherokee	31	28	3	3	28	31	0
Chickasaw*	6*	4*	2*	2*	4*	6*	0*
Clarke	14	12	2	2	12	10	4
Clay	46	39	7	6	40	42	0
Clayton	28	19	9	8	20	15	12
Clinton*	9*	8*	1*	0*	9*	8*	1*
Crawford	19	16	3	3	16	15	3
Dallas	32	29	3	2	30	14	17
Davis	17	17	0	0	17	11	6
Decatur*	1*	1*	0*	0*	1*	1*	0*
Delaware	6	5	1	1	5	5	0
Des Moines	107	86	21	22	91	85	22
Dickinson*	0*	0*	0*	0*	0*	0*	0*
Dubuque	377	288	89	88	291	228	125
Emmet	20	17	3	3	17	20	0
Fayette	47	45	2	3	45	18	29
Floyd	15	13	2	2	14	11	4
Franklin*	9*	6*	3*	1*	8*	6*	1*
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	6*	5*	1*	1*	5*	4*	1*
Grundy*	5*	5*	0*	0*	5*	5*	0*
Guthrie	0	0	0	0	0	0	0
Hamilton	19	16	3	5	16	16	3
Hancock	10	9	1	1	9	9	1
Hardin	43	36	7	8	36	22	21
Harrison*	0*	0*	0*	0*	0*	0*	0*
Henry	49	38	11	11	38	43	0
Howard	13	9	4	3	10	11	2
Humboldt*	9*	8*	1*	1*	8*	9*	0*
Ida	0	0	0	0	0	0	0
Iowa	14	12	2	2	12	11	3
Jackson	0	0	0	0	0	0	0
Jasper	61	55	6	6	58	50	11

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1996 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	30	22	8	8	22	21	6
Johnson	204	180	24	25	180	166	29
Jones*	10*	7*	3*	2*	8*	6*	4*
Keokuk	15	13	2	3	14	12	1
Kossuth	9	8	1	1	8	9	0
Lee	225	166	59	61	172	172	26
Linn*	66*	56*	10*	8*	57*	51*	9*
Louisa	24	23	1	1	23	23	1
Lucas	9	8	1	1	8	6	3
Lyon	5	5	0	0	5	3	2
Madison*	1*	1*	0*	0*	1*	0*	1*
Mahaska	43	35	8	10	35	38	5
Marion*	52*	43*	9*	9*	43*	44*	5*
Marshall	194	157	37	39	155	155	25
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	10	9	1	1	9	6	3
Monona	47	36	11	12	35	32	9
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	49*	36*	13*	12*	37*	25*	20*
Muscatine	157	137	20	20	137	128	29
O'Brien	16	14	2	2	15	13	3
Osceola	10	9	1	1	9	9	0
Page*	37*	29*	8*	8*	30*	22*	12*
Palo Alto*	1*	1*	0*	0*	1*	1*	0*
Plymouth	35	27	8	5	28	25	6
Pocahontas	1	1	0	0	1	1	0
Polk	1250	1070	180	187	1082	880	365
Pottawattamie*	0*	0*	0*	0*	0*	0*	0*
Poweshiek*	0*	0*	0*	0*	0*	0*	0*
Ringgold	0	0	0	0	0	0	0
Sac	14	14	0	1	13	14	0
Scott	682	560	122	135	571	379	256
Shelby*	0*	0*	0*	0*	0*	0*	0*
Sioux*	4*	4*	0*	0*	4*	3*	1*
Story	80	60	20	18	63	64	10
Tama*	33*	29*	4*	3*	30*	19*	14*
Taylor	12	11	1	1	11	7	5
Union*	8*	8*	0*	0*	8*	1*	7*
Van Buren*	6*	4*	2*	2*	4*	1*	5*
Wapello	58	54	4	3	55	54	3
Warren	74	56	18	18	57	55	16
Washington*	2*	1*	1*	1*	1*	2*	0*
Wayne	18	14	4	4	14	14	4
Webster	3	3	0	0	3	0	3
Winnebago	11	10	1	1	10	8	3
Winneshiek	14	13	1	1	13	13	1
Woodbury*	711*	574*	137*	142*	575*	536*	119*
Worth*	4*	4*	0*	0*	4*	4*	0*
Wright	21	19	2	2	19	15	6
State of Iowa*	6163*	5130*	1033*	1090*	5209*	4435*	1472*

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1995.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	3	3	0	0	3	3	0
Adams	15	13	2	2	13	13	2
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	66	48	18	18	49	44	18
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	48*	40*	8*	8*	40*	48*	0*
Black Hawk	510	440	70	101	461	298	211
Boone	77	60	17	17	61	56	13
Bremer	8	7	1	1	7	8	0
Buchanan	23	19	4	4	20	15	8
Buena Vista	43	38	5	5	38	34	8
Butler	0	0	0	0	0	0	0
Calhoun	19	18	1	1	18	13	6
Carroll	26	21	5	6	22	12	14
Cass	26	23	3	2	24	18	8
Cedar	20	16	4	4	16	18	1
Cerro Gordo	197	166	31	29	167	172	12
Cherokee	31	27	4	4	27	31	0
Chickasaw	7	7	0	0	7	2	5
Clarke	9	9	0	0	9	5	4
Clay	24	18	6	4	20	19	4
Clayton	24	22	2	2	22	15	8
Clinton*	18*	12*	6*	6*	12*	13*	5*
Crawford	50	40	10	9	41	39	9
Dallas	37	31	6	3	32	25	9
Davis	11	9	2	1	10	10	1
Decatur*	6*	4*	2*	1*	5*	4*	2*
Delaware	11	9	2	2	9	8	2
Des Moines	98	78	20	18	75	58	32
Dickinson*	14*	12*	2*	3*	11*	10*	4*
Dubuque	81	62	19	19	62	43	38
Emmet	28	21	7	7	21	22	6
Fayette*	26*	22*	4*	4*	22*	19*	6*
Floyd	63	50	13	12	51	39	18
Franklin*	13*	9*	4*	3*	10*	11*	0*
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	5*	4*	1*	1*	4*	2*	3*
Grundy*	8*	6*	2*	2*	6*	8*	0*
Guthrie	7	6	1	1	6	0	7
Hamilton	27	24	3	4	24	20	7
Hancock	11	7	4	4	7	8	3
Hardin	35	32	3	2	33	32	3
Harrison	0	0	0	0	0	0	0
Henry	58	43	15	14	44	46	2
Howard	8	7	1	1	7	7	1
Humboldt*	2*	2*	0*	0*	2*	0*	2*
Ida	0	0	0	0	0	0	0
Iowa	11	11	0	0	11	9	2
Jackson	3	2	1	2	2	3	0
Jasper	77	66	11	13	67	62	15

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.



Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1995 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	33	22	11	11	22	23	5
Johnson*	164*	145*	19*	21*	145*	149*	12*
Jones	23	18	5	5	18	14	8
Keokuk	28	20	8	10	21	20	0
Kossuth	26	23	3	2	24	19	5
Lee*	72*	65*	7*	8*	64*	50*	19*
Linn*	64*	52*	12*	14*	50*	47*	10*
Louisa	29	27	2	2	28	24	5
Lucas	13	12	1	1	12	9	3
Lyon	2	2	0	0	2	2	0
Madison	8	8	0	0	8	4	4
Mahaska	91	69	22	21	75	84	7
Marion*	59*	51*	8*	9*	50*	47*	9*
Marshall	235	200	35	34	202	192	35
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	13	11	2	2	11	11	0
Monona	50	43	7	7	44	33	14
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	67*	55*	12*	15*	54*	30*	33*
Muscatine	173	156	17	18	159	155	18
O'Brien	21	16	5	5	16	17	3
Osceola	10	8	2	1	9	10	0
Page	43	36	7	7	36	25	16
Palo Alto	2	2	0	0	2	2	0
Plymouth	47	38	9	6	40	32	14
Pocahontas	10	9	1	1	8	7	1
Polk	1654	1419	235	249	1428	1087	563
Pottawattamie*	18*	16*	2*	2*	16*	8*	10*
Poweshiek*	0*	0*	0*	0*	0*	0*	0*
Ringgold	1	1	0	0	1	1	0
Sac	4	4	0	0	4	4	0
Scott	640	529	111	123	537	356	245
Shelby*	0*	0*	0*	0*	0*	0*	0*
Sioux*	8*	7*	1*	3*	5*	7*	0*
Story	123	98	25	22	101	94	15
Tama*	33*	31*	2*	3*	32*	24*	9*
Taylor	11	10	1	2	9	6	5
Union*	2*	2*	0*	0*	2*	1*	1*
Van Buren	5	3	2	2	3	0	5
Wapello	42	36	6	7	35	27	10
Warren*	116*	98*	18*	18*	96*	86*	22*
Washington*	2*	1*	1*	0*	2*	1*	1*
Wayne	12	11	1	1	11	9	3
Webster	13	12	1	1	12	0	13
Winnebago	10	7	3	2	8	8	2
Winneshiek	16	14	2	1	15	13	3
Woodbury*	858*	708*	150*	142*	719*	584*	223*
Worth	16	15	1	1	15	12	4
Wright	37	27	10	10	27	33	3
State of Iowa*	6788*	5701*	1087*	1129*	5776*	4689*	1857*

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1994.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	4	3	1	1	3	2	1
Adams	2	2	0	0	2	2	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	35	25	10	11	26	26	4
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	38*	34*	4*	4*	34*	35*	3*
Black Hawk	428	379	49	77	386	221	206
Boone	80	71	9	9	71	75	3
Bremer	13	12	1	1	12	9	4
Buchanan	13	10	3	4	12	12	1
Buena Vista	47	40	7	6	41	36	8
Butler	2	2	0	0	2	1	1
Calhoun	17	15	2	3	14	8	9
Carroll	33	29	4	2	31	7	26
Cass	36	32	4	4	32	28	8
Cedar*	24*	18*	6*	6*	18*	22*	1*
Cerro Gordo	144	128	16	17	129	134	4
Cherokee	32	31	1	1	31	30	1
Chickasaw	12	9	3	3	9	8	4
Clarke*	18*	16*	2*	1*	17*	16*	2*
Clay	27	26	1	1	26	10	16
Clayton	16	11	5	4	12	14	2
Clinton*	16*	15*	1*	1*	15*	15*	1*
Crawford	28	23	5	4	25	19	9
Dallas*	52*	38*	14*	14*	38*	42*	3*
Davis	11	9	2	2	9	9	1
Decatur*	5*	5*	0*	0*	5*	4*	1*
Delaware	12	9	3	3	9	8	1
Des Moines*	43*	40*	3*	5*	38*	20*	21*
Dickinson	14	11	3	3	11	8	5
Dubuque*	9*	8*	1*	1*	8*	8*	1*
Emmet	9	8	1	0	9	8	1
Fayette*	15*	12*	3*	3*	12*	11*	1*
Floyd	50	43	7	5	42	30	15
Franklin	16	12	4	4	12	12	0
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	2*	2*	0*	0*	2*	0*	2*
Grundy	8	7	1	1	7	7	1
Guthrie	3	3	0	0	3	0	3
Hamilton	29	26	3	3	27	25	4
Hancock	5	5	0	0	5	5	0
Hardin	35	31	4	3	34	30	5
Harrison	0	0	0	0	0	0	0
Henry	28	20	8	8	20	24	0
Howard	6	5	1	1	5	6	0
Humboldt*	9*	7*	2*	2*	7*	1*	8*
Ida	9	5	4	2	7	8	0
Iowa	9	8	1	1	8	8	1
Jackson	10	10	0	1	10	9	1
Jasper	57	46	11	13	51	38	19

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1994 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	36	29	7	7	29	21	12
Johnson*	126*	103*	23*	23*	104*	105*	15*
Jones	33	31	2	3	30	27	4
Keokuk	9	7	2	1	8	8	1
Kossuth	24	20	4	4	20	19	2
Lee	182	137	45	45	137	140	21
Linn*	49*	41*	8*	9*	39*	38*	5*
Louisa	30	28	2	2	28	26	2
Lucas	12	10	2	2	10	10	1
Lyon	4	4	0	0	4	4	0
Madison	4	3	1	0	4	1	3
Mahaska	72	52	20	20	53	47	21
Marion*	41*	34*	7*	8*	33*	32*	9*
Marshall	208	156	52	53	157	154	19
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	6	4	2	0	6	5	1
Monona	23	21	2	3	20	16	6
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	42*	36*	6*	8*	34*	18*	19*
Muscatine	149	127	22	20	129	130	18
O'Brien	18	13	5	4	14	14	4
Osceola	15	13	2	2	13	12	1
Page*	31*	27*	4*	2*	29*	18*	12*
Palo Alto	7	6	1	1	6	7	0
Plymouth	18	17	1	4	14	13	5
Pocahontas	16	14	2	2	14	10	6
Polk	1428	1261	167	175	1265	969	455
Pottawattamie*	4*	2*	2*	0*	4*	4*	0*
Poweshiek*	15*	13*	2*	1*	14*	14*	0*
Ringgold*	0*	0*	0*	0*	0*	0*	0*
Sac*	8*	8*	0*	0*	8*	8*	0*
Scott	608	502	106	117	509	321	245
Shelby*	0*	0*	0*	0*	0*	0*	0*
Sioux*	5*	5*	0*	0*	5*	5*	0*
Story	112	89	23	27	86	91	9
Tama	16	15	1	1	15	13	2
Taylor	12	11	1	1	11	10	2
Union*	4*	3*	1*	1*	3*	3*	1*
Van Buren*	10*	8*	2*	1*	9*	3*	7*
Wapello*	33*	30*	3*	3*	30*	25*	7*
Warren	55	44	11	11	43	43	10
Washington*	1*	1*	0*	0*	1*	1*	0*
Wayne	13	11	2	2	11	8	3
Webster*	28*	27*	1*	3*	27*	10*	18*
Winnebago	16	13	3	3	13	15	1
Winneshiek	19	18	1	1	18	18	0
Woodbury*	674*	566*	108*	115*	568*	472*	155*
Worth	15	13	2	2	13	11	3
Wright	27	23	4	4	23	23	3
State of Iowa*	5769*	4897*	872*	926*	4938*	3993*	1516*

Table 4. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1993.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	5	4	1	1	4	3	2
Adams	4	3	1	1	3	4	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	53	36	17	14	39	34	10
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	43*	36*	7*	7*	36*	39*	4*
Black Hawk	458	390	68	86	417	94	363
Boone	59	51	8	9	50	44	13
Bremer	7	7	0	0	7	6	1
Buchanan	10	9	1	1	9	8	2
Buena Vista	41	37	4	2	40	35	6
Butler	9	7	2	2	8	5	4
Calhoun	27	19	8	6	21	24	3
Carroll	21	19	2	1	20	4	17
Cass	21	19	2	2	19	18	3
Cedar	27	25	2	2	25	25	1
Cerro Gordo	111	94	17	19	94	86	10
Cherokee	22	18	4	4	18	22	0
Chickasaw	14	12	2	2	12	3	11
Clarke	11	9	2	0	11	6	5
Clay	12	10	2	2	10	6	5
Clayton	8	8	0	0	8	3	5
Clinton*	13*	10*	3*	1*	12*	12*	1*
Crawford	23	19	4	3	20	12	11
Dallas*	41*	33*	8*	7*	33*	38*	0*
Davis	9	7	2	1	8	8	1
Decatur	6	6	0	0	6	5	1
Delaware	12	10	2	2	10	8	2
Des Moines	50	39	11	11	39	46	4
Dickinson	20	20	0	0	20	12	8
Dubuque*	8*	6*	2*	2*	6*	7*	0*
Emmet	15	12	3	3	12	8	7
Fayette*	12*	10*	2*	2*	10*	8*	4*
Floyd	40	35	5	5	35	30	7
Franklin	9	6	3	3	6	5	1
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	6*	6*	0*	0*	6*	6*	0*
Grundy	6	5	1	1	5	6	0
Guthrie	11	10	1	1	10	1	10
Hamilton	31	30	1	3	30	28	3
Hancock	8	6	2	2	6	3	3
Hardin	36	31	5	10	27	28	8
Harrison	10	10	0	0	10	10	0
Henry	37	31	6	6	32	26	7
Howard	6	6	0	0	6	5	1
Humboldt*	2*	2*	0*	0*	2*	0*	2*
Ida*	0*	0*	0*	0*	0*	0*	0*
Iowa	4	4	0	0	4	4	0
Jackson	30	25	5	5	25	24	6
Jasper	61	51	10	11	52	25	35

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 4. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1993 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	53	46	7	7	46	34	19
Johnson*	27*	24*	3*	3*	24*	22*	5*
Jones	32	30	2	2	30	24	6
Keokuk	33	31	2	3	30	25	8
Kossuth	24	23	1	2	23	17	7
Lee*	45*	39*	6*	7*	38*	42*	3*
Linn*	84*	67*	17*	16*	66*	54*	20*
Louisa	32	28	4	3	29	30	2
Lucas	5	4	1	1	4	2	2
Lyon	3	3	0	0	3	3	0
Madison	13	12	1	1	12	3	10
Mahaska	30	25	5	5	25	26	4
Marion*	29*	24*	5*	5*	24*	21*	5*
Marshall	220	170	50	50	172	176	20
Mills*	1*	1*	0*	0*	1*	1*	0*
Mitchell	4	4	0	1	3	3	1
Monona	38	31	7	7	31	23	11
Monroe*	5*	4*	1*	1*	4*	4*	1*
Montgomery*	56*	43*	13*	11*	44*	30*	21*
Muscatine	81	69	12	12	69	66	15
O'Brien	8	7	1	1	7	7	0
Osceola	9	6	3	2	7	6	1
Page	44	37	7	7	37	28	12
Palo Alto	6	4	2	2	4	6	0
Plymouth	13	10	3	3	10	10	3
Pocahontas	9	8	1	1	8	5	4
Polk*	1095*	982*	113*	113*	987*	734*	357*
Pottawattamie*	6*	4*	2*	2*	4*	4*	1*
Poweshiek	22	21	1	1	20	16	5
Ringgold	0	0	0	0	0	0	0
Sac	6	6	0	0	6	6	0
Scott	527	448	79	90	452	264	227
Shelby*	0*	0*	0*	0*	0*	0*	0*
Sioux*	11*	11*	0*	0*	11*	8*	3*
Story	84	74	10	9	75	69	13
Tama	24	21	3	2	22	16	7
Taylor	8	7	1	1	7	8	0
Union	9	9	0	0	9	6	3
Van Buren	20	16	4	3	16	12	6
Wapello*	20*	20*	0*	0*	20*	20*	0*
Warren	75	64	11	6	69	64	10
Washington*	1*	1*	0*	0*	1*	1*	0*
Wayne	6	5	1	1	5	5	1
Webster*	143*	126*	17*	16*	127*	112*	29*
Winnebago	22	21	1	1	21	15	7
Winneshiek	11	10	1	1	10	9	2
Woodbury	656	557	99	101	562	437	182
Worth	17	13	4	4	13	14	3
Wright	22	18	4	3	19	20	0
State of Iowa*	5158*	4427*	731*	747*	4490*	3342*	1623*

in at least 90 percent of the cases in 35 counties. In only seven counties (Adams, Chickasaw, Clayton, Jefferson, Monona, Van Buren, Washington) were males the offenders in less than three of every four incidents in 1996. Arrests occurred in all incidents of domestic abuse in 20 counties that year. In 36 other counties, arrests took place in at least 75 percent of the reports. But arrests were made in less than half of the incidents reported in seven other counties in 1996.

**Note:** The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. Please note that the number of responses on arrests doesn't always equal the number of cases of domestic abuse in a county; information on arrests was not available on some incidents.

1996: Reports not received from 18 jurisdictions (Audubon, Belle Plaine, Cedar Rapids, Clinton, Emmetsburg, Hiawatha, Glenwood, Grinnell, Jefferson, Missouri Valley, Rock Valley, Sergeant Bluff, Sioux Center, Tama, Washington, and Waukon police departments and the sheriff offices in Humboldt and Union counties). Reports deleted because of insufficient data from 31 jurisdictions (Albia, Council Bluffs, Evansdale, Grundy Center, Johnston, Knoxville, Lamoni, Spirit Lake, Tipton, and Winterset police departments and sheriff offices in Allamakee, Audubon, Chickasaw, Clinton, Decatur, Dickinson, Franklin, Fremont, Harrison, Jones, Madison, Mills, Monroe, Montgomery, Page, Pottawattamie, Poweshiek, Shelby, Van Buren, Washington, and Worth counties).

1995: Reports not received from 15 jurisdictions (Audubon, Belle Plaine, Cedar Rapids, Clinton, Grundy Center, Hiawatha, Jefferson, Lamoni, Norwalk, Rock Valley, Sioux Center, Tama, Washington, and Waukon police departments and the University of Iowa Department of Public Safety). Reports deleted because of insufficient data from 23 jurisdictions (Albia, Council Bluffs, Creston, Glenwood, Grinnell, Keokuk, Knoxville, Oelwein, Sergeant Bluff police departments and sheriff offices in Allamakee, Audubon, Clinton, Dickinson, Franklin, Fremont, Humboldt, Mills, Monroe, Montgomery, Pottawattamie, Shelby, Union, and Washington counties).

1994: Reports not received from 29 jurisdictions (Audubon, Belle Plaine, Burlington, Cedar Rapids, Clinton, Council Bluffs, Dubuque, Glenwood, Harlan, Hiawatha, Jefferson, Mt. Vernon, Oelwein, Palo, Rock Valley, Sioux Center, Washington, and Waukon police departments, the University of Iowa Department of Public Safety, and sheriff offices in Allamakee, Clarke, Clinton, Dubuque, Fremont, Humboldt, Mills, Montgomery, Shelby, and Washington counties). Reports deleted because of insufficient data from 18 jurisdictions (Albia, Grinnell, Knoxville, Lamoni, Ottumwa, Sac City, Sergeant Bluff, and Tipton police departments and sheriff offices in Audubon, Dallas, Decatur, Page, Pottawattamie, Poweshiek, Ringgold, Union, Van Buren, and Webster counties).

1993: Reports not received from 19 jurisdictions (Adel, Clinton, Coralville, Dubuque, Glenwood, Hiawatha, Keokuk, Jefferson, Mt. Vernon, Oelwein, Rock Valley, Sioux Center, Washington, and Waukon police departments, the University of Iowa Department of Public Safety, and sheriff offices in Allamakee, Dubuque, Fremont, and Montgomery counties). Reports deleted because of insufficient data from 20 jurisdictions (Albia, Audubon, Cedar Rapids, Council Bluffs, Belle Plaine, Harlan, Johnston, Knoxville, Iowa City, Marion, and Ottumwa police departments and sheriff offices in Audubon, Clinton, Humboldt, Ida, Mills, Pottawattamie, Shelby, Washington, and Webster counties).

## Serious Crimes Reported in Iowa's Counties:

### 1993-1996

Willis Goudy, Iowa State University  
 Sandra Charvat Burke, Iowa State University  
 Margaret Hanson, Iowa State University  
 Martha Coco, Iowa Department of Public Safety

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The Iowa Department of Public Safety keeps statistical records on crimes reported in Iowa. Information on violent and property crimes is included here; these generally are the most serious offenses, those occurring with the greatest regularity, and those most frequently reported to law enforcement agencies. Included are murders, rapes, robberies, and aggravated assaults, which are counted as violent crimes, plus burglaries, larcenies, and motor vehicle thefts, which are tabulated as property crimes.

*Caution is urged in interpreting the numbers in the tables for this section.* Readers of this annual county data book may recall that crime statistics were reported in this volume for the years 1980 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. When 1988-1990 data were used as a standard of comparison, the Iowa Department of Public Safety estimated that the 1995 data were approximately 83 percent complete, which was an improvement from the percentages of 69 and 67 for 1994 and 1993, respectively. Thus, comparisons of 1993, 1994, 1995, and 1996 numbers are not appropriate either for the state or for many counties. *Jurisdictions not reporting or providing insufficient data are listed in a note at the end of the section on domestic abuse in this volume. Counties in which this occurred are highlighted in Tables 1 and 2; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.*

#### **Violent Crimes**

Sixty murders were reported to the Iowa Department of Public Safety in 1996 (Table 1). Seventy-four of the counties had no murders in 1996; only Polk, which counted 23, had more than five. More than 500 rapes were noted in 1996. In that year, Polk's total of 119 rapes was twice the number in Scott (59), which had the second highest total. Forty-nine counties had no rapes reported while another 39 had fewer than 10 that year. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

The number of robberies reached 1,124 in 1996. Black Hawk, Polk, and Scott, the only counties with at least 100 robberies, had substantially higher counts than the others. Sixty-one counties reported no robberies in 1996. Aggravated assaults totaled 5,404 in the most recent year. Nineteen counties had no crime of this type in 1996, while three (Polk, Scott, Woodbury) reported more than 500 aggravated assaults that year. Violent crimes totaled 7,117 in 1996 (Table 1). Fifteen counties had no violent crimes that year. At the other extreme, Polk and Scott had at least 1,000 violent crimes.

#### **Property Crimes**

Property crimes were both more numerous and more widely distributed throughout Iowa than were violent crimes. Nearly 16,700 burglaries were reported, for example; 91 counties had at least one in 1996 (Table 2). Twenty-seven counties noted more than 100, led by four with at least 1,000 (Black Hawk, Polk, Scott, Woodbury).

Table 1. Violent Crime in Iowa Counties, 1993-1996.

County	Murder				Rape				Robbery				Aggravated Assault				Violent Crime Total			
	1966	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Adair	0	0	0	0	0	0	0	0	0	0	0	0	3	3	4	2	3	3	4	2
Adams	0	0	0	1	0	0	0	1	0	0	0	0	6	11	3	8	6	11	3	10
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	1	0	0	0	9	3	3	7	3	0	0	0	45	25	30	45	58	28	33	52
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	0*	0*	0*	1*	0*	1*	0*	4*	1*	0*	0*	1*	6*	5*	7*	7*	7*	6*	7*	13*
Black Hawk*	2*	3	2	9	56*	46	72	62	174*	142	117	136	375*	389	307	343	607*	580	498	550
Boone	1	0	0	1	1	1	3	3	0	0	1	0	4	10	11	22	6	11	15	26
Bremer	0	0	0	0	0	1	0	2	0	0	0	0	5	12	9	13	5	13	9	15
Buchanan	0	1	0	0	5	4	2	3	1	1	1	3	10	18	18	13	16	24	21	19
Buena Vista	3	1	0	0	4	3	3	2	0	5	3	0	15	15	13	21	22	24	19	23
Butler	0	0	0	0	2	0	1	2	0	0	1	0	1	7	5	3	3	7	7	5
Calhoun	0	0	0	0	0	0	1	1	0	0	0	0	4	7	5	3	4	7	6	4
Carroll	0	0	0	0	2	3	1	1	1	0	0	0	11	6	3	7	14	9	4	8
Cass	0	1	0	0	0	0	0	0	0	0	0	0	12	3	11	8	12	4	11	8
Cedar*	0*	0	3*	0	1*	0	0*	3	0*	0	0*	0	12*	11	14*	17	13*	11	17*	20
Cerro Gordo	0	0	1	2	11	14	7	4	14	21	17	16	286	337	301	328	311	372	326	350
Cherokee	0	0	0	0	1	0	5	2	0	0	0	1	10	12	8	7	11	12	13	10
Chickasaw*	0*	0	0	0	0*	0	0	0	0*	0	1	0	0*	6	6	14	0*	6	7	14
Clarke*	1	0	0*	0	0	0	1*	0	0	0	0*	1	4	16	4*	6	5	16	5*	7
Clay	0	0	0	0	3	1	2	1	0	1	0	0	7	5	4	4	10	7	6	5
Clayton	1	0	0	0	1	0	0	0	0	0	0	0	13	6	4	3	15	6	4	3
Clinton*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	1*	1*	4*	10*	7*	6*	5*	10*	8*	7*
Crawford	0	0	1	0	2	2	0	0	0	0	0	0	7	18	4	3	9	20	5	3
Dallas*	0	3	0*	0*	3	8	1*	1*	0	3	2*	1*	30	37	16*	9*	33	51	19*	11*
Davis	1	0	0	0	0	0	1	1	0	0	1	0	2	2	1	3	3	2	3	4
Decatur*	0*	0*	0*	0	0*	2*	0*	4	0*	0*	0*	0	3*	8*	8*	5	3*	10*	8*	9
Delaware	0	0	0	0	0	1	0	0	0	0	0	0	11	14	25	13	11	15	25	13
Des Moines*	0	1	1*	1	20	5	7*	2	36	30	0*	13	145	140	10*	19	201	176	18*	35
Dickinson*	0*	0*	0	0	0*	1*	0	0	0*	0*	0	0	0*	11*	9	23	0*	12*	9	23
Dubuque*	2	1	0*	0*	43	9	0*	0*	15	6	0*	0*	147	14	0*	3*	207	30	0*	3*
Emmet	0	0	0	0	0	0	0	1	0	0	0	0	7	6	5	5	7	6	5	6
Fayette*	0	0*	0*	0*	3	0*	1*	1*	1	0*	1*	0*	14	12*	7*	7*	18	12*	9*	8*

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.



Table 1. Violent Crime in Iowa Counties, 1993-1996 (continued).

County	Murder				Rape				Robbery				Aggravated Assault				Violent Crime Total			
	1966	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Floyd	0	0	0	0	0	2	3	1	1	0	0	0	3	18	28	24	4	20	31	25
Franklin*	0*	0*	0	1	0*	0*	0	0	0*	0*	1	0	0*	8*	3	2	0*	8*	4	3
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	1*	0v	0*	0*	1*	0*	0*	0*	0*	0*	2*	2*	3*	0*	2*	2*	5*
Grundy*	0*	0*	0	0	0*	0*	1	0	0*	0*	0	0	3*	0*	2	1	3*	0*	3	1
Guthrie	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	3	0	1	1	4
Hamilton	1	0	0	0	4	4	2	2	6	1	1	0	0	6	5	11	11	11	8	13
Hancock	1	0	0	0	0	0	1	1	0	1	0	0	9	6	6	3	10	7	7	4
Hardin	0	0	0	1	1	2	1	0	2	0	0	0	9	16	8	13	12	18	9	14
Harrison*	0*	0	0	0	0*	1	1	0	0*	0	0	0	0*	1	4	3	0*	2	5	3
Henry	0	0	0	0	2	3	2	4	1	1	0	2	49	53	39	47	52	57	41	53
Howard	0	0	0	0	0	0	0	0	0	0	0	0	5	2	9	8	5	2	9	8
Humboldt*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	4*	3*	5*	2*	5*	3*	5*	2*
Ida*	1	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	5	0*	1	0	5	0*
Iowa	0	0	0	0	0	1	0	0	0	1	1	0	8	3	9	2	8	5	10	2
Jackson	0	0	0	0	2	1	4	5	1	0	0	1	3	4	3	5	6	5	7	11
Jasper	0	0	1	0	1	3	3	1	4	5	5	2	12	26	17	18	17	34	26	21
Jefferson	0	0	0	0	0	2	1	3	1	1	1	0	33	34	30	23	34	37	32	26
Johnson*	3	4*	1*	1*	32	21*	31*	5*	25	44*	20*	3*	367	299*	280*	58*	427	368*	332*	67*
Jones*	0*	0	1	1	0*	3	2	0	1*	0	0	0	0*	6	3	8	1*	9	6	9
Keokuk	1	0	0	0	0	2	1	0	0	1	0	0	2	6	5	5	3	9	6	5
Kossuth	0	0	0	0	3	0	1	0	2	0	0	0	13	18	12	13	18	18	13	13
Lee*	1	1*	0	0*	9	1*	5	3*	11	8*	9	2*	171	16*	106	7*	192	26*	120	12*
Linn*	2*	1*	0*	3*	2*	0*	5*	5*	5*	4*	6*	4*	94*	83*	70*	91*	103*	88*	81*	103*
Louisa	0	0	0	0	1	1	0	1	0	0	0	0	10	5	10	9	11	6	10	10
Lucas	0	0	0	0	0	1	1	0	0	0	0	0	18	17	6	4	18	18	7	4
Lyon	0	0	0	1	0	0	0	0	0	0	0	0	14	7	1	4	14	7	1	5
Madison*	0*	0	0	0	0*	2	0	0	0*	1	1	0	4*	17	5	0	4*	20	6	0
Mahaska	0	0	0	0	2	1	6	10	1	2	5	0	35	48	31	21	38	51	42	31
Marion*	0*	1*	0*	0*	2*	2*	0*	1*	0*	0*	0*	0*	23*	31*	25*	21*	25*	34*	25*	22*
Marshall	1	0	2	1	6	4	12	1	10	10	12	15	122	125	122	115	139	139	148	132
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	0	0	2	0	0	1	0	3	4	5	6	3	4	6	8

Table 1. Violent Crime in Iowa Counties, 1993-1996 (continued).

County	Murder				Rape				Robbery				Aggravated Assault				Violent Crime Total			
	1966	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Monona	0	0	0	0	0	1	2	0	1	1	3	1	18	25	26	20	19	27	31	21
Monroe*	0*	0*	0*	0*	0*	1*	0*	1*	0*	0*	0*	0*	0*	2*	1*	3*	0*	3*	1*	4*
Montgomery*	0*	0*	0*	0*	2*	1*	4*	1*	3*	0*	0*	0*	17*	17*	13*	20*	22*	18*	17*	21*
Muscatine	0	2	1	0	12	19	24	16	7	9	5	4	112	128	111	51	131	158	141	71
O'Brien	1	0	0	0	0	1	1	0	0	0	0	0	11	7	13	8	12	8	14	8
Osceola	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6	5	1	0	6	5
Page*	0*	0	0*	0	1*	3	0*	1	0*	1	0*	0	22*	23	12*	13	23*	27	12*	14
Palo Alto*	0*	0	0	0	1*	5	0	0	0*	0	1	0	1*	2	1	4	2*	7	2	4
Plymouth	0	0	0	1	6	4	7	7	0	0	0	0	27	30	19	20	33	34	26	28
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	1	2	0	3
Polk*	23*	20	14	12*	119*	148	105	113*	371*	361	342	295*	714*	820	680	711*	1227*	1349	1141	1131*
Pottawattamie*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	2*	0*	0*	1*	1*	3*	0*	1*	4*	3*
Poweshiek*	0*	0*	0*	0	0*	0*	0*	3	0*	0*	0*	1	0*	0*	3*	5	0*	0*	3*	9
Ringgold*	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0
Sac*	0	0	0*	0	0	0	1*	0	0	0	0*	0	15	3	3*	4	15	3	4*	4
Scott	4	8	8	6	59	67	71	69	298	392	343	301	1234	1477	1377	1341	1595	1944	1799	1717
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	13*	15*	0*	0*	14*	15*	0*	0*
Sioux*	0*	1*	0*	0*	1*	2*	1*	2*	1*	0*	0*	0*	4*	5*	3*	7*	6*	8*	4*	9*
Story	1	0	0	1	13	13	18	20	2	6	4	9	45	62	73	72	61	81	95	102
Tama*	0*	0*	0	0	3*	2*	1	4	0*	1*	4	2	45*	43*	28	23	48*	46*	33	29
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	9	2	2	2	9	2	2	2
Union*	0*	0*	0*	0	0*	0*	0*	1	1*	1*	1*	0	6*	0*	6*	8	7*	1*	7*	9
Van Buren*	0*	0	0*	0	0*	0	1*	1	0*	0	0*	0	0*	2	0*	3	0*	2	1*	4
Wapello*	3	1	1*	0*	1	1	1*	0*	5	5	3*	0*	89	58	46*	9*	98	65	51*	9*
Warren*	1	2*	1	6	2	3*	2	2	0	5*	3	1	54	40*	29	42	57	50*	35	51
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	1*	1*	0*	0*	2*	1*	0*	0*
Wayne	0	0	0	0	2	1	4	1	0	0	0	0	9	7	10	7	11	8	14	8
Webster*	0	0	0*	2*	17	10	10*	2*	36	36	18*	19*	118	147	121*	171*	171	193	149*	194*
Winnebago	0	0	0	0	2	3	1	4	0	0	1	0	9	16	18	22	11	19	20	26
Winneshiek	1	0	0	1	2	0	5	4	0	1	0	0	8	31	24	19	11	32	29	24
Woodbury*	2*	3*	5*	4	47*	58*	81*	84	78*	131*	110*	122	599*	1308*	1064*	1119	726*	1500*	1260*	1329
Worth*	0*	0	0	0	0*	0	0	0	0*	0	0	0	3*	5	8	4	3*	5	8	4
Wright	1	0	0	0	3	0	2	1	1	0	0	0	7	10	14	4	12	10	16	5
State of Iowa*	60*	64*	44*	58*	529*	505*	536*	492*	1124*	1239*	1049*	957	5404*	6330*	5428*	5223*	7117*	8138*	7057*	6730*

Table 2. Property Crime and the Total Crime Index in Iowa Counties, 1993-1996.

County	Burglary				Larceny				Motor Vehicle Theft				Property Crime Total				Total Crime Index			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Adair	18	21	16	16	43	49	37	51	2	2	3	4	63	72	56	71	66	75	60	73
Adams	25	28	28	24	30	41	43	26	2	7	3	4	57	76	74	54	63	87	77	64
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	168	194	116	109	376	352	256	294	34	22	29	12	578	568	401	415	636	596	434	467
Audubon*	0*	0*	0*	1*	8*	0*	0*	4*	1*	1*	0*	0*	9*	1*	0*	5*	9*	1*	0*	5*
Benton*	55*	106*	64*	103*	198*	204*	139*	116*	11*	11*	10*	14*	264*	321*	213*	233*	271*	327*	220*	246*
Black Hawk*	1367*	1642	1394	1341	4656*	4965	4086	4087	338*	322	282	255	6361*	6929	5762	5683	6968*	7509	6260	6233
Boone	64	56	81	62	397	540	495	416	17	25	28	26	478	621	604	504	484	632	619	530
Bremer	76	60	57	57	188	215	197	176	18	18	7	7	282	293	261	240	287	306	270	255
Buchanan	120	175	133	146	277	268	271	277	28	28	30	20	425	471	434	443	441	495	455	462
Buena Vista	255	202	213	164	313	370	314	281	29	27	30	22	597	599	557	467	619	623	576	490
Butler	47	37	46	62	42	61	79	83	7	6	3	3	96	104	128	148	99	111	135	153
Calhoun	75	72	52	31	129	107	176	107	9	6	11	7	213	185	239	145	217	192	245	149
Carroll	48	66	85	50	399	326	308	335	19	20	11	21	466	412	404	406	480	421	408	414
Cass	56	77	56	56	297	269	272	248	13	19	18	10	366	365	346	314	378	369	357	322
Cedar*	68*	53	66*	98	121*	192	178*	206	9*	14	10*	13	198*	259	254*	317	211*	270	271*	337
Cerro Gordo	710	578	450	570	1872	2326	2002	2196	106	102	87	94	2688	3006	2539	2860	2999	3378	2865	3210
Cherokee	32	68	34	13	233	269	169	137	17	19	12	12	282	356	215	162	293	368	228	172
Chickasaw*	4*	38	23	33	43*	66	78	129	2*	2	11	9	49*	106	112	171	49*	112	119	185
Clarke*	79	99	32*	63	176	184	123*	139	14	22	11*	7	269	305	166*	209	274	321	171*	216
Clay	52	44	19	31	282	325	196	240	22	14	9	9	356	383	224	280	366	390	230	285
Clayton	36	25	31	26	108	98	85	70	5	3	3	8	149	126	119	104	164	132	123	107
Clinton*	22*	33*	43*	54*	230*	298*	244*	252*	15*	17*	12*	5*	267*	348*	299*	311*	272*	358*	307*	318*
Crawford	17	14	6	9	205	201	157	160	11	16	3	2	233	231	166	171	242	251	171	174
Dallas*	103	152	89*	59*	504	636	536*	317*	36	38	14*	16*	643	826	639*	392*	676	877	658*	403*
Davis	31	51	42	28	116	107	95	71	8	3	4	2	155	161	141	101	158	163	144	105
Decatur*	12*	21*	25*	43	50*	63*	44*	110	4*	12*	4*	3	66*	96*	73*	156	69*	106*	81*	165
Delaware	38	45	31	26	120	188	168	158	5	11	8	7	163	244	207	191	174	259	232	204
Des Moines*	664	539	78*	234	2062	1757	348*	679	107	139	12*	41	2833	2435	438*	954	3034	2611	456*	989
Dickinson*	1*	40*	48	54	2*	135*	214	147	0*	5*	13	9	3*	180*	275	210	3*	192*	284	233
Dubuque*	502	460	4*	15*	1952	1520	38*	69*	92	101	2*	3*	2546	2081	44*	87*	2753	2111	44*	90*
Emmet	115	97	75	67	143	164	118	160	6	13	5	5	264	274	198	232	271	280	203	238
Fayette*	92	40*	28*	50*	235	54*	80*	89*	22	6*	10*	9*	349	100*	118*	148*	367	112*	127*	156*

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.

Table 2. Property Crime and the Total Crime Index in Iowa Counties, 1993-1996 (continued).

County	Burglary				Larceny				Motor Vehicle Theft				Property Crime Total				Total Crime Index				
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	
Floyd	24	45	68	47	152	363	328	340	1	7	17	10	177	415	413	397	181	435	444	422	
Franklin*	10*	18*	15	7	104*	129*	107	94	4*	7*	7	7	118*	154*	129	108	118*	162*	133	111	
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	
Greene*	24*	10*	20*	16*	30*	32*	20*	27*	2*	4*	4*	3*	56*	46*	44*	46*	56*	48*	46*	51*	
Grundy*	16*	31*	24	18	60*	61*	66	37	1*	3*	5	0	77*	95*	95	55	80*	95*	98	56	
Guthrie	28	38	30	31	87	74	107	104	9	13	10	8	124	125	147	143	124	126	148	147	
Hamilton	53	87	45	45	441	402	311	337	26	27	20	22	520	516	376	404	531	527	384	417	
Hancock	19	16	10	21	84	72	50	38	5	8	7	5	108	96	67	64	118	103	74	68	
Hardin	56	94	110	81	234	325	294	301	17	31	30	15	307	450	434	397	319	468	443	411	
Harrison*	0*	36	25	37	1*	74	59	76	0*	5	9	6	1*	115	93	119	1*	117	98	122	
Henry	125	132	119	122	374	349	325	327	28	52	16	15	527	533	460	464	579	590	501	517	
Howard	36	15	11	12	151	126	123	60	2	6	7	1	189	147	141	73	194	149	150	81	
Humboldt*	26*	11*	14*	7*	111*	107*	138*	44*	4*	5*	4*	1*	141*	123*	156*	52*	146*	126*	161*	54*	
Ida*	3	15	18	0*	64	95	77	0*	2	1	3	0*	69	111	98	0*	70	111	103	0*	
Iowa	36	32	23	4	95	67	40	4	11	8	7	4	142	107	70	12	150	112	80	14	
Jackson	82	71	87	96	345	307	229	301	15	26	18	17	442	404	334	414	448	409	341	425	
Jasper	205	228	116	129	692	824	525	541	67	100	53	39	964	1152	694	709	981	1186	720	730	
Jefferson	112	174	108	89	403	360	440	437	34	17	23	29	549	551	571	555	583	588	603	581	
Johnson*	868	707*	677*	83*	3088	2655*	2313*	209*	137	116*	160*	13*	4093	3478*	3150*	305*	4520	3846*	3482*	372*	
Jones*	11*	42	25	43	167*	282	168	185	3*	21	14	11	181*	345	207	239	182*	354	213	248	
Keokuk	32	50	41	68	85	115	148	128	3	11	15	3	120	176	204	199	123	185	210	204	
Kossuth	76	59	51	35	162	157	151	152	12	10	8	17	250	226	210	204	268	244	223	217	
Lee*	340	106*	169	98*	1080	606*	806	468*	47	31*	33	25*	1467	743*	1008	591*	1659	769*	1128	603*	
Linn*	290*	259*	268*	273*	1056*	988*	807*	445*	63*	77*	52*	60*	1409*	1324*	1127*	778*	1512*	1412*	1208*	881*	
Louisa	26	39	47	82	211	228	181	203	13	39	22	18	250	306	250	303	261	312	260	313	
Lucas	55	54	35	12	234	229	220	63	12	19	11	2	301	302	266	77	319	320	273	81	
Lyon	24	12	9	17	58	69	51	51	0	1	3	4	82	82	63	72	96	89	64	77	
Madison*	21*	40	38	16	60*	180	154	99	7*	10	10	10	88*	230	202	125	92*	250	208	125	
Mahaska	143	96	91	58	373	301	314	267	44	25	19	18	560	422	424	343	598	473	466	374	
Marion*	67*	49*	40*	49*	388*	348*	313*	263*	32*	28*	18*	4*	487*	425*	371*	316*	512*	459*	396*	338*	
Marshall	361	322	300	259	1109	862	1015	982	64	70	57	59	1534	1254	1372	1300	1673	1393	1520	1432	
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	20	26	14	40	44	74	68	153	2	4	7	7	66	104	89	200	69	108	95	208	

Table 2. Property Crime and the Total Crime Index in Iowa Counties, 1993-1996 (continued).

County	Burglary				Larceny				Motor Vehicle Theft				Property Crime Total				Total Crime Index			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Monona	149	108	87	97	186	189	153	175	9	21	10	14	344	318	250	286	363	345	281	307
Monroe*	0*	4*	6*	11*	0*	5*	28*	55*	0*	1*	5*	13*	0*	10*	39*	79*	0*	13*	40*	83*
Montgomery*	69*	90*	88*	77*	399*	359*	351*	326*	23*	22*	16*	11*	491*	471*	455*	414*	513*	489*	472*	435*
Muscatine	656	544	479	261	840	900	777	556	68	85	82	43	1564	1529	1338	860	1695	1687	1479	931
O'Brien	73	112	64	52	169	109	159	178	14	8	11	17	256	229	234	247	268	237	248	255
Osceola	26	46	33	33	79	66	99	58	8	6	1	3	113	118	133	94	114	118	139	99
Page*	59*	83	69*	68	326*	293	269*	284	16*	30	21*	19	401*	406	359*	371	424*	433	371*	385
Palo Alto*	24*	57	51	50	62*	140	133	114	6*	4	3	2	92*	201	187	166	94*	208	189	170
Plymouth	101	178	166	71	256	267	278	227	13	23	14	15	370	468	458	313	403	502	484	341
Pocahontas	14	17	20	23	42	56	54	89	3	1	1	5	59	74	75	117	60	76	75	120
Polk*	2787*	3016	2522	2720*	15835*	16583	14508	15287*	1567*	1663	1156	1047*	20189*	21262	18186	19054*	21416*	22611	19327	20185*
Pottawattamie*	56*	50*	34*	35*	68*	88*	73*	71*	19*	24*	11*	12*	143*	162*	118*	118*	143*	163*	122*	121*
Poweshiek*	0*	81*	6*	45	0*	100*	22*	103	1*	17*	1*	7	1*	198*	29*	155	1*	198*	32*	164
Ringgold*	0	4	0*	1	28	12	1*	33	1	2	0*	2	29	18	1*	36	29	18	1*	36
Sac*	42	14	12*	19	105	75	71*	73	4	2	1*	4	151	91	84*	96	166	94	88*	100
Scott	1731	1896	1982	2140	6427	6802	6117	6475	544	640	557	417	8702	9338	8656	9032	10297	11282	10455	10749
Shelby*	30*	18*	0*	0*	115*	109*	0*	0*	3*	4*	0*	0*	148*	131*	0*	0*	162*	146*	0*	0*
Sioux*	30*	42*	25*	30*	124*	106*	116*	112*	6*	6*	4*	8*	160*	154*	145*	150*	166*	162*	149*	159*
Story	369	362	378	332	2074	2068	2217	2233	88	85	77	86	2531	2515	2672	2651	2592	2596	2767	2753
Tama*	87*	97*	89	64	165*	144*	195	234	20*	27*	30	21	272*	268*	314	319	320*	314*	347	348
Taylor	24	22	29	24	35	32	28	30	1	0	4	3	60	54	61	57	69	56	63	59
Union*	20*	3*	30*	47	155*	19*	161*	225	7*	3*	10*	13	182*	25*	201*	285	189*	26*	208*	294
Van Buren	15*	73	14*	41	28*	87	43*	109	7*	39	2*	9	50*	199	59*	159	50*	201	60*	163
Wapello*	239	340	159*	71*	1183	1160	569*	59*	43	50	22*	14*	1465	1550	750*	144*	1563	1615	801*	153*
Warren*	179	245*	207	178	682	659*	771	704	36	48*	36	29	897	952*	1014	911	954	1002*	1049	962
Washington*	18*	6*	0*	0*	23*	15*	0*	0*	1*	1*	0*	0*	42*	22*	0*	0*	44*	23*	0*	0*
Wayne	45	59	61	46	78	91	62	70	8	12	8	6	131	162	131	122	142	170	145	130
Webster*	395	374	218*	247*	1664	1418	980*	1046*	142	113	80*	59*	2201	1905	1278*	1352*	2372	2098	1427*	1546*
Winnebago	24	42	39	55	27	71	74	89	6	6	4	11	57	119	117	155	68	138	137	181
Winneshie*	45	85	55	72	219	232	189	216	15	19	16	17	279	336	260	305	290	368	289	329
Woodbury*	1181*	1459*	1139*	1401	4997*	5146*	4317*	4685	426*	463*	313*	275	6604*	7068*	5769*	6361	7330*	8568*	7029*	7690
Worth*	4*	39	12	19	6*	51	29	36	1*	5	1	4	11*	95	42	59	14*	100	50	63
Wright	31	31	21	35	123	145	86	91	11	37	5	5	165	213	112	131	177	223	128	136
State of Iowa	16664*		14208*		63870*		54424*		4793*		3866*		85327*		72498*		92444*		79555*	
		17644*		13955*		64808*		52609*		5300*		3283*		87752*		69847*		95890*		76577*

Nearly 63,900 larcenies were reported to police in 1996. Polk's 15,835 larcenies was substantially higher than all others, although yet another reminder is necessary that caution should be exercised in interpreting these numbers because of underreporting in some counties. Thirteen other counties had at least 1,000 larcenies that year. Twenty-nine counties reported at least 1 but less than 100 larcenies in 1996. Allamakee, Fremont, Mills, Monroe, and Poweshiek did not list any larcenies that year.

About 4,800 motor vehicle thefts occurred in 1996. Polk's 1,567 was nearly three times the 544 motor vehicle thefts in Scott, which reported the second highest total. More than 85,300 property crimes were reported in 1996 (Table 2). As would be expected based on the information for individual property crimes, Polk's total number of property crimes was more than twice that of Scott, which had the next highest total.

### **Total Crime Index**

The addition of serious and property crimes results in a total crime index. This total was about 92,400 in 1996 (Table 2).

**Notes:** The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. See lists of jurisdictions not reporting or providing insufficient data are reported in a note at the end of the section on domestic abuse included in this volume.

Four violent crimes are included in this report: murder (the willful nonnegligent killing of one human being by another), forcible rape (the carnal knowledge of a person, forcibly and/or against that person's will; or, not forcibly or against the person's will where the victim is incapable of giving consent because of her/his temporary or permanent mental or physical incapacity), robbery (taking, or attempting to take, anything of value under confrontational circumstances from the control, custody, or care of another person by force or threat of force or violence and/or by putting the victim in fear of immediate harm), and aggravated assault (an unlawful attack by one person upon another wherein the offender uses a weapon or displays it in a threatening manner, or the victim suffers obvious severe or aggravated bodily injury). Three property crimes are among these serious crimes: burglary (the unlawful entry into a building or other structure with the intent to commit a felony or a theft), larceny (the unlawful taking, carrying, leading, or riding away of property from the possession, or constructive possession, of another person), and motor vehicle theft (the theft of a motor vehicle).

## Arrests of Juveniles in Iowa's Counties:

1993-1996

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In addition to records on crimes reported in the state, the Iowa Department of Public Safety tracks the numbers arrested for committing these crimes. Arrests of juveniles (persons under the age of 18) are highlighted in this report.

*Caution is urged in interpreting the numbers in the tables for this section.* Readers of this annual county data book may recall that arrests of juveniles were reported in this volume for the years 1980 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. When 1988-1990 data were used as a standard of comparison, the Iowa Department of Public Safety estimated that the 1995 data were approximately 83 percent complete, which was an improvement from the percentages of 69 and 67 for 1994 and 1993, respectively. Thus, comparisons of 1993, 1994, 1995, and 1996 numbers are not appropriate either for the state or for many counties. *Jurisdictions not reporting or providing insufficient data are listed in a note at the end of the section on domestic abuse in this volume. Counties in which this occurred are highlighted in Tables 1 and 2; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.*

### Arrests for Group A Crimes

The most serious offenses are called Group A crimes. In 1996, 12,713 arrests of juveniles were reported for crimes in the group (Table 1). An individual juvenile may have been arrested for more than one crime; thus, the numbers in this report must be interpreted as the numbers of arrests and not the numbers of juveniles that have been arrested. Arrests of juveniles for Group A crimes exceeded 500 in six counties (Black Hawk, Cerro Gordo, Johnson, Polk, Scott, Woodbury) in 1996. On the other hand, no arrests for Group A crimes were noted in 15 counties; 14 others had fewer than 10 arrests of juveniles for these crimes in 1996. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

Each of the seven specific Group A crimes reported separately in Table 1—aggravated assault, simple assault, burglary, larceny, motor vehicle theft, vandalism of property, drug offenses—had at least 400 juvenile arrests in 1996. Several others (murder, kidnapping, sexual assault, robbery, intimidation, arson, extortion/blackmail, theft by fraud, stolen property, incest, statutory rape, gambling, prostitution) had relatively small numbers of arrests (most under 100) and are reported as other Group A offenses.

Arrests for larceny (the unlawful taking, carrying, leading, or riding away of property from the possession, or constructive possession, of another person) accounted for 40.8 percent (5,188) of the total arrests of juveniles for Group A crimes in 1996. Simple assault, burglary, vandalism of property, and drug offenses also had at least 1,000 arrests of juveniles. These five most frequently reported arrest categories constituted more than four-fifths (84.6%) of the juvenile arrests in 1996.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1996.

County	Aggravated Assault				Simple Assault				Burglary				Larceny				Motor Vehicle Theft			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Adair	0	0	0	0	1	0	0	1	2	0	1	0	2	0	3	1	0	0	0	0
Adams	1	0	0	0	0	2	0	0	10	2	1	6	5	2	0	0	4	2	0	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	3	1	2	2	29	25	17	26	4	3	0	8	43	48	31	35	12	2	0	2
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	0*	0*	2*	0*	5*	10*	6*	6*	0*	9*	4*	7*	9*	18*	7*	4*	0*	0*	5*	1*
Black Hawk*	31*	31	19	10	196*	136	175	68	72*	50	62	35	529*	425	315	169	40*	43	36	4
Boone	0	0	0	4	14	17	7	14	3	5	12	5	28	37	55	35	7	2	7	7
Bremer	0	4	0	3	7	11	1	4	12	8	5	9	27	30	29	20	5	10	2	1
Buchanan	2	4	3	10	13	8	12	10	19	22	16	12	29	18	32	39	3	0	2	0
Buena Vista	3	1	2	4	14	16	12	12	11	13	29	4	26	48	30	31	2	6	4	8
Butler	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	1	1	2	0	0	0	4	0	0	0	0	0	0	0
Carroll	4	3	1	5	20	8	9	6	7	2	1	0	37	39	5	27	2	0	1	1
Cass	1	1	0	1	2	1	7	1	4	6	8	3	1	4	13	22	0	0	3	0
Cedar*	0*	1	0*	2	3*	8	5*	11	7*	9	0*	2	3*	11	5*	4	1*	2	0*	3
Cerro Gordo	31	39	46	59	58	56	45	59	41	30	67	60	212	312	231	255	10	21	17	19
Cherokee	2	6	1	1	13	24	27	11	4	5	3	3	52	36	33	62	1	5	4	2
Chickasaw*	0*	0	0	0	2*	6	0	0	0*	1	0	0	4*	4	6	10	0*	0	1	0
Clarke*	0	2	0*	0	9	4	4*	1	2	3	1*	1	10	4	6*	11	1	0	0*	0
Clay	1	0	0	0	21	9	0	0	11	11	6	5	74	52	6	5	17	5	0	0
Clayton	0	0	0	0	1	2	0	1	0	1	0	0	0	3	2	0	1	0	0	0
Clinton*	0*	2*	4*	2*	6*	10*	6*	4*	6*	0*	4*	3*	9*	11*	15*	23*	1*	6*	4*	2*
Crawford	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	1	0	0	0
Dallas*	1	2	2*	0*	18	9	29*	18*	5	3	10*	1*	34	40	55*	42*	6	5	2*	3*
Davis	0	0	0	0	0	1	0	1	0	0	3	6	2	0	1	7	0	0	0	0
Decatur*	0*	0*	2*	1	0*	0*	1*	1	0*	0*	3*	2	2*	0*	8*	5	0*	0*	2*	1
Delaware	4	0	7	1	15	9	13	4	14	4	14	6	25	25	29	16	0	4	2	0
Des Moines*	29	11	1*	3	107	57	17*	35	53	18	8*	16	198	140	19*	70	13	7	2*	10
Dickinson*	0*	3*	1	2	0*	3*	0	1	0*	1*	4	0	0*	18*	13	12	0*	0*	1	0
Dubuque*	5	2	0*	1*	82	52	0*	2*	16	11	1*	0*	123	86	5*	8*	11	7	1*	2*
Emmet	2	1	0	0	16	8	2	7	0	0	7	0	8	11	0	0	2	0	0	0
Fayette*	2	1*	0*	0*	1	3*	3*	1*	3	0*	0*	0*	3	4*	1*	6*	0	1*	0*	1*

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.



Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1996 (continued).

County	Aggravated Assault				Simple Assault				Burglary				Larceny				Motor Vehicle Theft			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Floyd	0	6	4	2	8	29	22	21	2	5	16	4	10	54	47	54	0	4	0	0
Franklin*	0*	1*	1	1	16*	12*	17	6	4*	4*	5	2	12*	28*	17	20	3*	9*	5	0
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	0*	0*	1	0	0*	0*	1	0	0*	3*	4	2	0*	0*	1	3	0*	0*	2	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	1	4	3	1	10	25	15	39	10	11	10	7	41	44	24	38	3	6	1	1
Hancock	2	2	3	2	3	4	0	3	4	3	1	7	9	4	4	11	2	3	0	1
Hardin	0	3	1	3	18	7	19	13	12	10	20	13	35	24	20	59	3	6	9	5
Harrison*	0*	0	0	0	0*	1	2	2	0*	0	2	0	0*	0	0	6	0*	0	0	0
Henry	9	6	6	6	14	14	12	13	19	12	10	8	56	44	25	41	8	8	1	3
Howard	1	0	1	0	10	6	2	1	11	6	1	0	30	7	26	4	1	4	2	0
Humboldt*	0*	0*	0*	0*	0*	0*	0*	0*	4*	0*	0*	0*	7*	3*	2*	0*	0*	0*	0*	0*
Ida*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*
Iowa	0	0	0	0	2	7	4	1	1	1	0	0	7	4	4	0	1	2	1	0
Jackson	3	3	1	1	10	18	5	11	3	1	1	1	33	37	17	16	2	3	13	2
Jasper	7	7	2	5	22	30	20	12	11	23	6	7	10	42	21	12	9	1	14	1
Jefferson	0	1	4	1	5	7	3	4	7	5	0	5	14	18	18	20	3	0	2	0
Johnson*	39	51*	39*	8*	48	48*	49*	2*	54	39*	36*	9*	291	209*	248*	7*	8	7*	17*	5*
Jones*	0*	0	0	0	7*	0	6	7	0*	2	0	3	12*	15	14	11	0*	0	1	1
Keokuk	0	0	0	0	0	0	0	1	0	0	4	8	1	0	0	5	0	1	1	0
Kossuth	1	2	1	0	6	4	5	3	17	6	11	0	35	24	28	24	2	0	2	2
Lee*	37	1*	8	2*	69	30*	53	32*	73	10*	28	11*	122	81*	105	55*	13	1*	9	1*
Linn*	27*	19*	14*	8*	29*	27*	45*	18*	38*	27*	54*	23*	67*	73*	55*	12*	14*	12*	10*	17*
Louisa	0	0	3	0	4	1	13	13	0	0	6	10	2	0	7	4	0	2	1	5
Lucas	1	0	0	1	6	8	12	0	5	1	1	0	19	22	15	4	0	0	2	0
Lyon	4	0	0	0	4	3	2	1	0	1	1	10	3	5	6	9	0	0	0	3
Madison*	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	1	0	3	0*	0	0	0
Mahaska	4	7	0	4	10	12	14	10	11	35	13	6	40	33	27	33	8	2	3	8
Marion*	3*	4*	1*	1*	9*	5*	7*	3*	2*	4*	0*	3*	24*	9*	10*	21*	1*	2*	0*	0*
Marshall	13	22	25	21	82	58	57	59	23	16	22	18	175	109	105	107	4	10	19	9
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	1	0	3	1	0	4	2	8	12	9	8	0	0	3	1

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1996 (continued).

County	Aggravated Assault				Simple Assault				Burglary				Larceny				Motor Vehicle Theft			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Monona	0	0	0	0	1	0	4	1	19	0	0	3	0	0	2	6	0	0	0	0
Monroe*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	2*	1*	0*	0*	0*	0*
Montgomery*	1*	1*	0*	1*	17*	25*	20*	26*	0*	5*	7*	12*	32*	27*	24*	30*	7*	5*	4*	4*
Muscatine	37	33	36	19	37	60	63	62	56	43	32	44	173	179	146	152	21	21	19	7
O'Brien	1	0	1	1	19	10	10	10	8	10	7	11	46	28	29	33	7	3	2	4
Osceola	0	0	0	0	7	4	6	5	5	6	9	4	3	5	14	10	2	3	0	1
Page*	2*	2	1*	0	14*	10	11*	16	0*	11	6*	1	42*	11	16*	14	0*	3	0*	1
Palo Alto*	0*	0	0	0	0*	1	0	2	0*	0	4	2	1*	14	5	10	0*	0	0	0
Plymouth	1	0	3	2	13	16	5	4	0	9	1	2	21	13	11	16	1	1	1	0
Pocahontas	0	3	0	0	0	0	4	0	4	0	0	0	3	2	3	1	1	2	0	0
Polk*	19*	30	17	4*	48*	46	53	21*	58*	20	40	26*	430*	317	329	211*	19*	14	25	23*
Pottawattamie*	0*	0*	0*	0*	4*	1*	2*	1*	3*	3*	2*	10*	5*	0*	2*	4*	2*	0*	4*	0*
Poweshiek*	0*	0*	0*	0	0*	0*	0*	0	0*	3*	0*	1	0*	5*	0*	1	0*	1*	0*	1
Ringgold*	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	2	0*	0
Sac*	2	0	0*	0	3	0	0*	0	0	0	2*	4	2	1	0*	4	0	0	1*	0
Scott	132	149	174	131	197	185	179	135	111	99	145	180	658	595	640	619	75	125	75	67
Shelby*	2*	0*	0*	0*	0*	2*	0*	0*	4*	0*	0*	0*	9*	14*	0*	0*	2*	0*	0*	0*
Sioux*	2*	2*	0*	0*	1*	2*	4*	1*	4*	8*	12*	16*	9*	4*	9*	8*	3*	11*	0*	3*
Story	4	5	5	8	30	42	29	18	33	20	25	31	130	132	90	108	10	6	3	12
Tama*	7*	7*	2	1	3*	8*	6	4	6*	16*	6	11	17*	7*	5	7	3*	3*	2	3
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	0*	3	0*	0*	5*	8	0*	1*	2*	2	1*	2*	20*	20	0*	1*	4*	0
Van Buren*	0*	0	0*	0	0*	0	0*	1	2*	0	0*	2	3*	0	0*	1	0*	0	0*	0
Wapello*	11	2	1*	0*	60	62	47*	4*	5	6	14*	13*	53	49	67*	5*	4	1	3*	3*
Warren*	2	6*	0	4	13	23*	24	23	4	22*	24	20	35	51*	62	43	2	5*	3	1
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Webster*	28	21	6*	6*	26	30	5*	28*	15	23	1*	14*	117	57	16*	63*	0	2	0*	3*
Winnebago	0	1	4	3	6	4	8	4	1	4	8	7	5	3	17	9	1	0	4	0
Winneshiek	0	0	0	0	5	2	5	8	2	0	7	10	11	22	8	35	0	4	7	1
Woodbury*	138*	195*	198*	173	389*	187*	231*	289	72*	105*	100*	153	816*	544*	588*	654	63*	40*	51*	50
Worth*	0*	0	1	0	0*	1	1	1	0*	0	0	0	0*	0	0	0	0*	0	0	0
Wright	0	1	3	1	5	5	0	1	8	7	0	4	2	8	12	7	0	1	1	4
State of Iowa*	663*	713*	663*	535*	1943*	1578*	1506*	1257*	1041*	864*	980*	937*	5188*	4419*	3927*	3578*	448*	465*	423*	320*

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1996 (continued).

County	Vandalism of Property				Drug Offenses				Other Group A Offenses				Total Group A Offenses			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Adair	6	4	2	1	3	2	0	0	0	0	0	0	14	6	6	3
Adams	2	10	5	0	0	0	0	0	1	2	0	0	23	20	6	6
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	8	15	5	7	4	5	0	1	7	7	8	5	110	106	63	86
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	2*	1*	1*	4*	5*	2*	3*	1*	1*	2*	2*	0*	22*	42*	30*	23*
Black Hawk*	101*	82	70	29	104*	52	20	6	74*	53	51	16	1147*	872	748	337
Boone	11	14	28	33	8	7	2	1	7	12	8	7	78	94	119	106
Bremer	2	3	2	0	8	4	5	1	5	1	5	4	66	71	49	42
Buchanan	14	5	16	22	10	3	2	0	10	2	5	3	100	62	88	96
Buena Vista	9	24	16	2	12	5	1	0	0	13	9	12	77	126	103	73
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Calhoun	5	0	0	3	0	0	0	0	1	0	1	0	12	0	2	4
Carroll	21	17	13	18	1	0	0	0	13	3	5	2	105	72	35	59
Cass	5	4	3	1	4	1	2	1	2	1	6	3	19	18	42	32
Cedar*	3*	7	3*	7	5*	5	4*	1	2*	0	7*	10	24*	43	24*	40
Cerro Gordo	106	63	90	70	37	17	16	8	35	31	36	29	530	569	548	559
Cherokee	16	18	13	18	2	1	0	0	2	16	8	6	92	111	89	103
Chickasaw*	3*	1	0	0	1*	0	1	0	0*	0	1	0	10*	12	9	10
Clarke*	0	1	1*	2	1	0	0*	0	3	2	2*	0	26	16	14*	15
Clay	18	0	0	3	16	3	0	0	4	0	2	0	162	80	14	13
Clayton	0	5	2	3	1	0	0	0	0	1	1	0	3	12	5	4
Clinton*	7*	24*	8*	14*	2*	1*	1*	0*	0*	2*	1*	1*	31*	56*	43*	49*
Crawford	0	0	1	0	1	0	0	0	0	0	0	1	5	0	1	1
Dallas*	22	17	9*	17*	4	1	1*	2*	9	3	17*	5*	99	80	125*	88*
Davis	0	0	0	0	0	0	0	0	0	0	0	0	2	1	4	14
Decatur*	0*	0*	1*	1	0*	2*	1*	0	0*	1*	1*	2	2*	3*	19*	13
Delaware	10	11	8	8	2	3	5	0	1	5	7	7	71	61	85	42
Des Moines*	43	39	13*	31	23	18	0*	1	6	17	5*	15	472	307	65*	181
Dickinson*	0*	6*	6	7	1*	1*	2	0	0*	4*	1	0	1*	36*	28	22
Dubuque*	17	24	0*	0*	23	5	0*	0*	15	17	1*	0*	292	204	8*	13*
Emmet	0	0	0	0	0	1	0	0	0	0	0	0	28	21	9	7
Fayette*	3	0*	6*	1*	3	2*	1*	0*	2	1*	1*	4*	17	12*	12*	13*

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1996 (continued).

County	Vandalism of Property				Drug Offenses				Other Group A Offenses				Total Group A Offenses			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Floyd	8	11	6	13	4	8	4	1	1	5	8	6	33	122	107	101
Franklin*	1*	15*	12	11	5*	2*	1	0	2*	8*	24	1	43*	79*	82	41
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	0*	0*	1	0	0*	1*	0	0	0*	0*	2	0	0*	4*	12	5
Guthrie	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
Hamilton	7	33	16	25	2	2	0	0	6	3	3	4	80	128	72	115
Hancock	3	5	2	6	1	0	0	0	8	3	3	7	32	24	13	37
Hardin	4	7	7	25	4	0	4	1	2	1	5	3	78	58	85	122
Harrison*	0*	2	0	2	0*	0	3	0	0*	1	0	0	0*	4	7	10
Henry	18	10	11	10	5	8	5	2	4	5	10	7	133	107	80	90
Howard	20	5	9	9	2	2	0	0	2	0	3	0	77	30	44	14
Humboldt*	3*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	15*	3*	2*	0*
Ida*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*
Iowa	2	6	1	2	1	1	0	0	0	2	2	0	14	23	12	3
Jackson	7	22	20	6	3	1	2	0	0	2	5	2	61	87	64	39
Jasper	15	14	11	3	13	6	2	2	7	7	7	6	94	130	83	48
Jefferson	0	6	7	5	5	0	0	6	1	3	0	1	35	40	34	42
Johnson*	64	60*	55*	11*	111	45*	58*	0*	47	45*	58*	7*	662	504*	560*	49*
Jones*	1*	4	1	19	2*	1	5	0	1*	2	2	2	23*	24	29	43
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	14
Kossuth	21	11	12	6	0	0	1	0	4	2	2	10	86	49	62	45
Lee*	59	19*	46	35*	36	12*	7	1*	25	8*	6	5*	434	162*	262	142*
Linn*	60*	37*	38*	28*	37*	8*	0*	2*	23*	22*	11*	4*	295*	225*	227*	112*
Louisa	0	0	3	6	0	0	1	0	0	0	0	1	6	3	34	39
Lucas	10	14	9	1	2	3	1	0	1	5	4	0	44	53	44	6
Lyon	1	0	1	4	0	5	0	0	2	1	2	2	14	15	12	29
Madison*	0*	0	0	0	0*	2	0	0	0*	0	0	0	0*	3	0	3
Mahaska	14	28	7	16	4	2	1	9	2	7	4	9	93	126	69	95
Marion*	6*	10*	9*	7*	7*	2*	0*	1*	1*	0*	2*	2*	53*	36*	29*	38*
Marshall	25	31	32	26	33	27	10	4	16	6	18	11	371	279	288	255
Mills*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*
Mitchell	10	18	0	0	0	0	0	4	3	2	0	0	22	33	16	18

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1996 (continued).

County	Vandalism of Property				Drug Offenses				Other Group A Offenses				Total Group A Offenses			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Monona	18	0	0	4	4	1	0	1	0	2	0	0	42	3	6	15
Monroe*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	2*	2*	2*
Montgomery*	10*	5*	16*	11*	3*	1*	0*	1*	11*	13*	6*	7*	81*	82*	77*	92*
Muscatine	56	63	86	37	41	47	27	23	31	22	41	19	452	468	450	363
O'Brien	21	12	9	9	10	6	0	0	1	2	6	4	113	71	64	72
Osceola	7	0	10	4	2	0	0	0	1	0	4	1	27	18	43	25
Page*	10*	5	10*	3	2*	3	0*	2	13*	2	3*	2	83*	47	47*	39
Palo Alto*	3*	15	0	0	0*	0	0	0	1*	3	0	5	5*	33	9	19
Plymouth	5	14	10	7	8	6	5	0	4	1	5	3	53	60	41	34
Pocahontas	0	0	0	4	0	0	0	0	0	1	0	2	8	8	7	7
Polk*	89*	90	60	24*	100*	76	49	5*	45*	41	36	12*	808*	634	609	326*
Pottawattamie*	4*	2*	2*	1*	3*	1*	6*	0*	0*	1*	0*	0*	21*	8*	18*	16*
Poweshiek*	0*	2*	0*	6	0*	0*	0*	0	0*	0*	0*	0	0*	11*	0*	9
Ringgold*	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	2	0*	0
Sac*	4	0	2*	1	0	0	0*	0	1	0	1*	2	12	1	6*	11
Scott	136	153	144	123	281	214	150	108	167	197	197	184	1757	1717	1704	1547
Shelby*	3*	14*	0*	0*	1*	1*	0*	0*	2*	2*	0*	0*	23*	33*	0*	0*
Sioux*	0*	19*	2*	11*	5*	1*	0*	0*	5*	3*	2*	5*	29*	50*	29*	44*
Story	42	31	22	41	35	16	12	2	24	14	17	9	308	266	203	229
Tama*	18*	4*	20	5	2*	1*	1	0	3*	4*	1	0	59*	50*	43	31
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	2*	15	0*	0*	0*	0	0*	0*	2*	0	1*	4*	35*	48
Van Buren*	2*	0	0*	12	0*	0	0*	0	0*	0	1*	0	7*	0	1*	16
Wapello*	7	8	2*	7*	1	3	1*	0*	4	4	5*	0*	145	135	140*	32*
Warren*	11	15*	10	12	19	8*	16	13	10	16*	5	9	96	146*	144	125
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
Webster*	16	11	4*	8*	7	0	0*	4*	5	6	0*	3*	214	150	32*	129*
Winnebago	3	2	30	1	6	5	2	1	2	1	3	17	24	20	76	42
Winneshiek	5	22	2	5	3	0	1	1	5	4	1	2	31	54	31	62
Woodbury*	107*	109*	233*	134	116*	102*	38*	47	144*	117*	102*	124	1845*	1399*	1541*	1624
Worth*	0*	0	2	1	1*	4	0	1	1*	0	2	0	2*	5	6	3
Wright	7	10	9	5	2	0	4	0	2	2	0	1	26	34	29	23
State of Iowa*	137*	1369*	1325*	1069*	1212*	775*	484*	266*	841*	795*	812*	633*	12713*	10978*	10120*	8595*

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1996.

County	Curfew/Loitering				Disorderly Conduct				Driving Under the Influence				Drunkenness				Liquor Law Violation			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Adair	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	28	4	12	8
Adams	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	14	14	5	2
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	1*	1*	2*	3*
Appanoose	16	0	16	14	11	23	8	18	3	0	2	2	6	7	3	2	24	12	26	26
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	1*	0*	0*	0*	0*	4*	5*	1*	2*
Benton*	0*	0*	0*	0*	4*	4*	5*	0*	3*	1*	3*	0*	3*	0*	3*	0*	25*	17*	6*	21*
Black Hawk*	102*	15	24	38	124*	119	126	131	13*	9	6	14	5*	10	8	12	97*	25	30	55
Boone	15	49	15	0	8	7	12	7	1	0	2	1	3	2	0	1	25	38	40	22
Bremer	0	0	0	0	2	8	7	6	3	2	3	2	11	4	4	4	28	46	33	10
Buchanan	0	1	0	0	8	6	9	5	3	3	2	4	1	0	0	3	7	6	10	17
Buena Vista	0	0	0	0	7	4	7	6	2	2	2	2	5	6	5	2	35	74	43	44
Butler	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	6	8	8	51
Calhoun	0	0	0	0	0	0	1	0	2	0	0	0	0	0	1	0	3	13	4	2
Carroll	37	0	1	5	0	2	4	3	3	2	1	2	1	1	1	4	60	50	77	80
Cass	0	3	1	0	0	1	0	1	3	2	2	3	2	0	0	0	3	19	16	1
Cedar*	0*	2	0*	1	0*	1	0*	0	1*	1	0*	2	0*	1	1*	3	21*	13	19*	12
Cerro Gordo	0	0	0	0	16	38	29	15	14	5	3	7	9	13	5	10	82	43	60	80
Cherokee	0	0	0	0	9	3	0	1	2	2	1	0	0	0	1	2	9	27	13	13
Chickasaw*	0*	0	0	0	2*	1	2	3	0*	1	1	1	2*	1	2	2	4*	3	20	10
Clarke*	0	0	0*	0	2	4	1*	1	0	0	0*	1	1	1	0*	0	3	4	3*	3
Clay	1	0	0	0	2	9	4	5	6	3	0	4	4	3	4	3	54	44	47	83
Clayton	0	0	0	0	0	5	0	0	1	3	3	1	1	2	0	2	4	10	16	7
Clinton*	20*	19*	36*	7*	0*	3*	5*	0*	3*	0*	0*	0*	1*	7*	8*	4*	9*	8*	12*	18*
Crawford	0	0	0	0	2	1	2	0	3	1	1	4	2	9	13	3	40	46	35	14
Dallas*	1	0	0*	0	10	9	5*	8	12	0	4*	2	2	2	0*	0	16	14	14*	11
Davis	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	13	4	0	2
Decatur*	0*	0*	0*	0	0*	0*	0*	1	2*	0*	2*	2	0*	0*	1*	0	2*	0*	3*	4
Delaware	10	4	12	6	1	0	0	5	0	6	1	3	1	6	1	5	15	49	40	28
Des Moines*	0	0	0*	0	58	39	7*	16	3	2	1*	1	9	2	0*	1	21	29	12*	22
Dickinson*	0*	0*	3	4	0*	1*	0	6	1*	1*	3	3	0*	0*	2	1	12*	9*	44	25
Dubuque*	0	0	0*	0*	34	353	0*	0*	13	98	1*	2*	20	75	1*	1*	229	165	30*	42*
Emmet	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Fayette*	0	0*	0*	0*	2	3*	1*	0*	4	1*	4*	1*	1	4*	1*	0*	63	48*	20*	33*

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1996 (continued).

County	Curfew/Loitering				Disorderly Conduct				Driving Under the Influence				Drunkenness				Liquor Law Violation			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Floyd	0	0	0	0	0	4	2	0	4	8	3	0	1	5	2	3	7	14	29	40
Franklin*	0*	0*	0	0	24*	15*	7	7	2*	1*	4	0	5*	6*	3	4	30*	26*	29	50
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*
Greene*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	7*	1*	0*	4*
Grundy*	0*	0*	0	0	0*	0*	3	0	0*	0*	0	0	0*	2*	0	0	4*	0*	3	6
Guthrie	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	3	1
Hamilton	0	0	0	0	27	17	4	5	3	2	5	1	0	1	1	0	51	55	31	36
Hancock	0	0	0	11	1	1	1	0	0	1	1	2	0	0	0	0	2	13	7	18
Hardin	0	0	8	2	0	2	3	15	1	7	1	2	0	0	2	2	23	16	20	12
Harrison*	0*	0	0	0	0*	0	0	3	0*	0	0	0	0*	0	0	1	3*	7	9	2
Henry	0	0	0	0	12	5	6	3	1	2	0	0	1	0	3	1	21	7	11	8
Howard	0	0	0	0	0	3	0	0	8	2	1	1	0	2	5	0	34	27	11	8
Humboldt*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	1*	0*	0*	2*	0*	0*	12*	3*	1*	2*
Ida*	0	0	0	0*	0	0	0	0*	1	1	1	0*	0	0	2	0*	2	3	19	4*
Iowa	0	0	0	0	1	0	0	0	4	1	1	0	1	1	0	0	12	11	12	9
Jackson	13	20	5	0	13	7	1	1	2	2	1	0	2	0	5	4	29	37	34	99
Jasper	3	13	0	0	18	24	14	9	10	2	6	4	3	4	3	4	29	39	24	29
Jefferson	0	0	0	0	0	0	1	3	1	0	1	2	2	1	0	1	21	8	22	31
Johnson*	0	0*	6*	0*	29	26*	30*	1*	16	7*	11*	2*	16	18*	10*	0*	131	87*	79*	26*
Jones*	0*	0	0	0	0*	2	2	2	2*	2	2	2	0*	2	1	2	2*	21	20	34
Keokuk	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	2	2	1
Kossuth	3	2	0	0	4	3	3	1	1	0	0	1	0	0	4	2	62	27	34	9
Lee*	68	22*	65	0*	92	49*	51	16*	5	2*	6	2*	4	10*	14	0*	38	25*	60	17*
Linn*	0*	0*	0*	0*	6*	4*	1*	4*	0*	6*	5*	8*	1*	1*	0*	0*	36*	14*	15*	5*
Louisa	0	10	0	0	1	3	2	4	0	0	1	0	5	3	0	2	7	8	14	13
Lucas	6	9	0	3	7	2	8	2	1	0	2	0	1	0	2	0	3	4	17	0
Lyon	0	1	0	0	0	0	2	1	0	4	0	1	0	0	0	0	50	87	27	39
Madison*	2*	1	0	0	0*	0	0	2	2*	0	1	2	0*	1	0	0	2*	0	2	0
Mahaska	18	19	8	1	10	7	10	8	0	3	2	0	0	2	3	1	44	50	24	31
Marion*	0*	0*	0*	0*	6*	1*	10*	10*	4*	4*	1*	2*	2*	1*	3*	5*	22*	10*	18*	19*
Marshall	211	96	127	81	65	46	49	47	9	2	5	5	2	6	5	6	111	52	47	65
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2*	1*	0*	0*	0*	0*	0*	6*	1*	0*	6*
Mitchell	0	0	0	0	0	0	0	0	0	3	0	2	2	0	2	0	25	8	20	15

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1996 (continued).

County	Curfew/Loitering				Disorderly Conduct				Driving Under the Influence				Drunkenness				Liquor Law Violation			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Monona	0	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0	21	16	21	26
Monroe*	0*	0*	0*	0*	0*	0*	0*	2*	0*	0*	1*	2*	0*	0*	1*	2*	8*	0*	5*	1*
Montgomery*	9*	6*	20*	20*	4*	3*	2*	7*	1*	1*	1*	1*	0*	0*	1*	0*	11*	13*	2*	18*
Muscatine	106	95	76	61	120	113	67	71	5	2	2	4	4	3	2	1	44	19	19	18
O'Brien	0	0	0	0	12	2	2	1	1	0	5	2	1	1	1	2	37	59	30	36
Osceola	0	0	0	0	0	0	5	0	1	3	2	3	2	3	0	1	23	8	15	14
Page*	21*	15	0*	7	1*	1	4*	2	2*	2	5*	1	5*	0	5*	15	38*	11	11*	6
Palo Alto*	0*	0	0	0	0*	0	0	1	0*	1	1	3	0*	2	0	0	6*	20	17	16
Plymouth	0	0	0	0	0	2	2	1	3	7	2	3	2	3	2	4	10	23	19	33
Pocahontas	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	2	0	4	1
Polk*	0*	0	0	3*	6*	9	2	8*	31*	14	10	7*	26*	17	28	5*	190*	90	125	66*
Pottawattamie*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	7*	8*	5*	1*
Poweshiek*	0*	0*	0*	0	0*	0*	0*	1	0*	1*	2*	1	0*	0*	0*	0	0*	3*	3*	4
Ringgold*	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	2*	1
Sac*	0	0	0*	5	0	0	0*	0	0	2	3*	1	0	0	0*	1	10	21	21*	31
Scott	113	151	83	4	104	82	65	96	12	8	5	11	15	17	8	15	187	172	111	120
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	2*	1*	2*	0*	0*	0*	0*	0*	19*	12*	8*	2*
Sioux*	1*	2*	0*	0*	2*	1*	1*	4*	1*	3*	2*	2*	1*	0*	0*	1*	21*	19*	28*	36*
Story	0	0	0	0	3	6	4	3	14	2	4	1	28	9	6	6	95	70	43	105
Tama*	0*	0*	0	0	0*	4*	0	5	1*	2*	2	2	0*	0*	1	4	33*	48*	16	28
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	0*	0	4*	0*	0*	2	2*	0*	1*	0	0*	0*	0*	2	5*	1*	15*	15
Van Buren*	0*	0	0*	0	1*	0*	0	0	0*	0	0*	0	0*	0	0*	0	4*	4	2*	8
Wapello*	5	0	0*	0*	16	12	3*	0*	1	1	1*	1*	4	1	1*	0*	39	15	6*	3*
Warren*	0	0*	0	0	4	4*	4	4	4	0*	1	1	8	6*	3	8	21	10*	13	33
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2*	1*	0*	1*
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Webster*	0	0	0*	0*	63	33	6*	27*	7	2	3*	0*	8	3	0*	3*	17	6	2*	47*
Winnebago	0	1	0	0	1	0	3	0	1	1	1	1	0	0	3	2	30	30	13	25
Winneshiek	0	0	0	5	2	1	0	6	1	3	0	3	1	0	3	3	12	61	57	48
Woodbury*	458*	223*	186*	247	366*	215*	106*	224	23*	16*	8*	16	19*	17*	15*	14	107*	142*	111*	155
Worth*	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	0	0	0	0*	4	2	2
Wright	0	0	0	0	5	7	1	0	4	2	3	1	4	1	0	1	10	45	5	8
State of Iowa*	1239*	780*	692*	525*	1333*	1362*	722*	854*	303*	291*	181*	174*	266*	310*	217*	193*	2792*	2446*	2077*	2298*



Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1996 (continued).

County	Runaway				Trespass				Other Group B Offenses				Total Group B Offenses				Total (A+B) Arrests			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Adair	0	0	1	0	0	0	0	0	3	3	0	0	32	9	13	8	46	15	19	11
Adams	0	0	0	0	0	0	0	0	0	6	2	0	14	20	7	6	37	40	13	12
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	1*	3*	3*	1*	1*	3*	3*
Appanoose	22	18	27	15	5	2	4	1	57	24	13	18	144	86	99	96	254	192	162	182
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	5*	5*	1*	3*	5*	5*	1*	3*
Benton*	0*	0*	0*	0*	0*	0*	4*	0*	0*	2*	1*	1*	35*	24*	22*	22*	57*	66*	52*	45*
Black Hawk*	0*	0	0	1	35*	20	25	55	85*	67	28	38	461*	265	247	344	1608*	1137	995	681
Boone	7	13	11	12	2	3	5	9	26	23	13	11	87	135	98	63	165	229	217	169
Bremer	0	0	0	2	0	6	2	0	16	16	27	10	60	82	76	34	126	153	125	76
Buchanan	0	0	0	0	0	0	0	0	7	5	17	20	26	21	38	49	126	83	126	145
Buena Vista	0	0	0	0	8	5	13	10	4	5	6	8	61	96	76	72	138	222	179	145
Butler	0	0	0	0	0	0	0	0	0	0	0	1	6	9	10	53	6	9	10	54
Calhoun	0	0	0	0	1	0	1	0	1	0	0	0	7	13	7	2	19	13	9	6
Carroll	0	0	0	1	2	1	1	0	4	6	11	9	107	62	96	104	212	134	131	163
Cass	2	3	2	0	0	1	0	0	11	1	2	1	21	30	23	6	40	48	65	38
Cedar*	0*	0	0*	0	3*	0	4*	3	1*	4	6*	4	26*	22	30*	25	50*	65	54*	65
Cerro Gordo	43	36	162	50	10	10	13	17	53	37	32	59	227	182	304	238	757	751	852	797
Cherokee	0	0	0	0	0	2	1	1	10	3	4	5	30	37	20	22	122	148	109	125
Chickasaw*	0*	0	0	0	0*	0	1	1	1*	7	4	5	9*	13	30	22	19*	25	39	32
Clarke*	1	2	0*	0	1	2	0*	2	4	6	4*	5	12	19	8*	12	38	35	22*	27
Clay	3	7	2	7	17	1	3	8	26	14	21	11	113	81	81	121	275	161	95	134
Clayton	0	0	0	0	0	0	0	0	2	3	2	0	8	23	21	10	11	35	26	14
Clinton*	1*	22*	12*	8*	0*	1*	2*	2*	5*	13*	15*	3*	39*	73*	90*	42*	70*	129*	133*	91*
Crawford	0	0	0	0	0	1	0	0	4	3	6	0	51	61	57	21	56	61	58	22
Dallas*	15	7	22*	12	6	4	8*	1	17	17	8*	18	79	53	61*	52	178	133	186*	140
Davis	0	0	0	0	2	0	0	0	12	13	2	2	28	18	2	4	30	19	6	18
Decatur*	7*	3*	6*	1	1*	1*	0*	0	2*	1*	0*	6	14*	5*	12*	14	16*	8*	31*	27
Delaware	20	7	5	0	0	10	5	5	22	11	10	3	69	93	74	55	140	154	159	97
Des Moines*	0	6	0*	31	12	9	8*	27	144	95	4*	24	247	182	32*	122	719	489	97*	303
Dickinson*	0*	0*	0	0	0*	1*	4	0	0*	9*	9	0	13*	21*	65	39	14*	57*	93	61
Dubuque*	481	0	2*	4*	23	0	0*	1*	96	42	2*	0*	896	733	36*	50*	1188	937	44*	63*
Emmet	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	28	24	9	7
Fayette*	0	0*	0*	0*	7	1*	3*	0*	12	5*	3*	2*	89	62*	32*	36*	106	74*	44*	49*

\*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1996 (continued).

County	Runaway				Trespass				Other Group B Offenses				Total Group B Offenses				Total (A+B) Arrests			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Floyd	0	0	0	0	0	0	1	0	5	9	8	7	17	40	45	50	50	162	152	151
Franklin*	0*	0*	0	0	0*	9*	3	5	1*	9*	2	7	62*	66*	48	73	105*	145*	130	114
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	1*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	5*	3*	0*	0*	13*	4*	0*	5*	13*	4*	0*	5*
Grundy*	0*	0*	0	0	0*	0*	0	0	0*	0*	1	0	4*	2*	7	6	4*	6*	19	11
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	1	2	5	3	1
Hamilton	0	0	0	0	7	2	1	0	8	5	4	6	96	82	46	48	176	210	118	163
Hancock	5	6	0	0	10	4	0	10	18	4	1	20	36	29	10	61	68	53	23	98
Hardin	11	10	11	11	3	16	11	28	20	5	19	15	58	56	75	87	136	114	160	209
Harrison*	0*	0	0	0	0*	2	1	0	0*	0	0	0	3*	9	10	6	3*	13	17	16
Henry	0	0	0	0	5	14	10	16	11	16	50	18	51	44	80	46	184	151	160	136
Howard	0	0	0	1	0	3	0	0	0	0	1	0	42	37	18	10	119	67	62	24
Humboldt*	3*	0*	1*	0*	0*	1*	0*	0*	0*	1*	0*	0*	16*	7*	3*	3*	31*	10*	5*	3*
Ida*	0	0	0	0*	0	0	0	0*	0	0	2	0*	3	4	24	4*	3	4	24	4*
Iowa	0	0	0	0	4	0	0	0	3	2	0	0	25	15	13	9	39	38	25	12
Jackson	0	0	0	0	0	14	0	0	12	30	4	11	71	110	50	115	132	197	114	154
Jasper	0	0	0	0	0	0	0	0	15	18	21	30	78	100	68	76	172	230	151	124
Jefferson	1	0	5	1	3	0	1	11	5	2	5	3	33	11	35	52	68	51	69	94
Johnson*	0	2*	9*	0*	22	8*	7*	0*	118	61*	29*	4*	332	209*	181*	33*	994	713*	741*	82*
Jones*	0*	0	0	0	0*	2	0	1	2*	0	4	1	6*	29	29	42	29*	53	58	85
Keokuk	0	0	9	4	0	0	0	0	0	0	2	3	1	2	14	8	2	3	19	22
Kossuth	5	3	2	1	1	4	4	1	13	9	20	7	89	48	67	22	175	97	129	67
Lee*	24	10*	53	0*	22	18*	29	18*	44	25*	26	5*	297	161*	304	58*	731	323*	566	200*
Linn*	1*	0*	4*	0*	5*	12*	4*	2*	24*	13*	14*	5*	73*	50*	43*	24*	368*	275*	270*	136*
Louisa	0	0	0	6	0	3	4	4	6	2	2	3	19	29	23	32	25	32	57	71
Lucas	0	0	0	0	6	0	2	5	2	0	1	0	26	15	32	10	70	68	76	16
Lyon	0	0	0	1	4	10	2	7	16	12	8	5	70	114	39	54	84	129	51	83
Madison*	0*	0	1	0	0*	0	0	0	0*	0	0	0	6*	2	4	4	6*	5	4	7
Mahaska	7	10	7	11	2	5	0	5	7	15	8	2	88	111	62	59	181	237	131	154
Marion*	0*	0*	9*	13*	6*	1*	4*	5*	21*	13*	30*	3*	61*	30*	75*	57*	114*	66*	104*	95*
Marshall	24	34	39	52	19	30	18	25	133	93	45	40	574	359	335	321	945	638	623	576
Mills*	0*	1*	2*	0*	0*	0*	0*	0*	0*	0*	0*	0*	6*	4*	3*	6*	7*	4*	3*	6*
Mitchell	0	0	0	1	0	0	0	0	0	0	3	2	27	11	25	20	49	44	41	38

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1996 (continued).

County	Runaway				Trespass				Other Group B Offenses				Total Group B Offenses				Total (A+B) Arrests			
	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993	1996	1995	1994	1993
Monona	0	0	0	0	0	0	0	0	3	7	2	4	26	26	23	31	68	29	29	46
Monroe*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	2*	5*	8*	1*	9*	12*	8*	3*	11*	14*
Montgomery*	8*	25*	24*	27*	4*	1*	3*	3*	5*	8*	4*	14*	42*	57*	57*	90*	123*	139*	134*	182*
Muscatine	66	50	54	31	22	19	18	1	42	48	38	28	409	349	276	215	861	817	726	578
O'Brien	7	4	6	8	4	0	0	0	13	11	11	12	75	77	55	61	188	148	119	133
Osceola	0	0	0	0	2	0	1	2	10	20	8	9	38	34	31	29	65	52	74	54
Page*	14*	12	3*	2	4*	5	0*	2	6*	4	2*	8	91*	50	30*	43	174*	97	77*	82
Palo Alto*	0*	1	0	2	1*	0	1	0	3*	0	0	5	10*	24	19	27	15*	57	28	46
Plymouth	17	12	18	5	3	2	2	0	10	6	2	7	45	55	47	53	98	115	88	87
Pocahontas	0	0	0	0	0	0	0	0	0	0	1	6	2	2	5	9	10	10	12	16
Polk*	73*	90	50	49*	18*	17	8	26*	76*	66	107	51*	420*	303	330	215*	1228*	937	939	541*
Pottawattamie*	0*	6*	1*	1*	0*	0*	2*	2*	0*	0*	0*	0*	7*	14*	9*	4*	28*	22*	27*	20*
Poweshiek*	0*	7*	20*	8	0*	2*	0*	1	0	1*	0*	0*	0	14*	25*	15*	0	25*	25*	24*
Ringgold*	0	0	0*	0	0	0	0*	0	0	0	0*	1	0	0	2*	2	0	2	2*	2
Sac*	0	0	0*	0	0	0	2*	0	0	0	3*	6	10	23	29*	44	22	24	35*	55
Scott	162	166	137	165	95	73	48	96	324	334	271	192	1012	1003	728	699	2769	2720	2432	2246
Shelby*	0*	0*	0*	0*	4*	0*	0*	0*	1*	4*	0*	0*	26*	17*	10*	2*	49*	50*	10*	2*
Sioux*	0*	5*	2*	0*	4*	0*	0*	0*	3*	7*	17*	11*	33*	37*	50*	54*	62*	87*	79*	98*
Story	16	10	3	10	5	7	10	14	71	105	79	40	232	209	149	179	540	475	352	408
Tama*	0*	0*	0	0	7*	3*	8	0	3*	0*	1	3	44*	57*	28	42	103*	107*	71	73
Taylor	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Union*	0*	0*	0*	0	2*	0*	1*	9	0*	0*	0*	0	13*	1*	17*	28	14*	5*	52*	76
Van Buren*	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	5*	4	2*	8	12*	4	3*	24
Wapello*	8	2	10*	0*	8	11	15*	3*	15	22	8*	0*	96	64	44*	7*	241	199	184*	39*
Warren*	3	3*	2	4	10	10*	8	5	12	6*	14	17	62	39*	45	72	158	185*	189	197
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2*	1*	0*	1*	2*	1*	0*	1*
Wayne	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	4	0	0
Webster*	0	0	1*	84*	0	0	0*	0*	35	24	2*	15*	130	68	14*	176*	344	218	46*	305*
Winnebago	0	1	0	2	1	0	2	1	3	10	4	1	36	43	26	32	60	63	102	74
Winneshiek	5	2	2	13	3	0	1	2	5	7	12	13	29	74	75	93	60	128	106	155
Woodbury*	21*	18*	6*	7	66*	57*	33*	32	373*	302*	218*	199	1433*	990*	683*	894	3278*	2389*	2224*	2518
Worth*	0*	2	1	0	0*	0	0	0	0*	3	0	2	0*	9	3	4	2*	14	9	7
Wright	0	0	0	0	0	2	2	3	6	17	1	0	29	74	12	13	55	108	41	36
State of Iowa*	1083*	616*	744*	665*	517*	448*	374*	488*	2133*	1802*	1369*	1110*	9666*	8055*	6376*	6307*	22379*	19033*	16496*	14902*

### **Arrests for Group B Crimes**

Crimes not included in the Group A category are labeled Group B crimes. Arrests of juveniles for Group B crimes totaled 9,666 in 1996 (Table 2). Four counties (Dubuque, Marshall, Scott, Woodbury) had at least 500 arrests for Group B crimes that year. Emmet, Fremont, Poweshiek, Ringgold, Taylor, Wayne, and Worth reported no arrests of juveniles for Group B crimes in 1996. Nineteen other counties had fewer than 10 arrests, although yet another reminder is necessary that caution should be exercised in interpreting these numbers because of underreporting in some counties.

Individual Group B crimes for which at least 200 juvenile arrests are reported are included in Table 2. Violations related to alcohol (driving under the influence, violations of liquor laws, drunkenness) accounted for more than a third (34.8%) of the total arrests for Group B crimes in 1996.

### **Total Arrests**

When arrests of juveniles for Group A and Group B crimes are added, more than 22,000 occurred in 1996 (Table 2). Five counties (Black Hawk, Dubuque, Polk, Scott, Woodbury) reported at least 1,000 arrests and another seven (Cerro Gordo, Des Moines, Johnson, Lee, Marshall, Muscatine, Story) had 500 to 999. But a final caution is needed; some law enforcement jurisdictions failed to report or provided insufficient data so comparisons of state and county numbers from one year to another or of counties within any particular year are of limited use.

**Notes:** The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. See lists of jurisdictions not reporting or providing insufficient data are reported in a note at the end of the section on domestic abuse included in this volume.

## Estimated Numbers of Veterans in Iowa's Counties by Period of Service: 1993-1996

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Each year, the U.S. Department of Veterans Affairs reports information on veterans by state and county. The data reported in this section are derived from tables detailing period of first service of veterans living in Iowa. The numbers provided by Veterans Affairs are rounded estimates.

In 1996, nearly 288,000 veterans lived in Iowa (Table 1). Veterans varied from less than 1,000 in 21 counties to more than 10,000 in Black Hawk, Linn, Polk, Scott, and Woodbury in 1996. These five counties accounted for a third (33.3%) of all veterans in Iowa that year. The number of veterans declined slightly each year from the 300,000 reported in 1993. Nearly all (97) of the counties had fewer veterans in 1996 than in 1993, although declines greater than 500 occurred only in Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury (Tables 2-4).

Most of the veterans served during wartime periods. In 1996, 81,800 whose first service was in World Wars I or II were counted; only 200 of them claimed service in WWI. Another 46,200 served first in the Korean Conflict; so did 84,400 in the Vietnam Era while 18,100 served for the first time in the Persian Gulf. Numbers of veterans of the two world wars declined more rapidly from 1993 to 1996 (Tables 1 through 4) than those in either the Korean Conflict or the Vietnam Era primarily because they are older. The 1993-1996 decline was 13,500 among those in World Wars I or II but only 700 for those from the Vietnam Era.

Among those who served only in peacetime, 33,000 did so before the Vietnam Era and 23,900 after that time according to estimates from Veterans Affairs for 1996 (Table 1). Both numbers declined slightly from those for 1993. In 1996, six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) had at least 1,000 veterans from the post-Vietnam Era who served in peacetime. These six were joined by Dubuque with at least 1,000 veterans who had served in peacetime before the Vietnam Era.

At least 2,000 veterans from World Wars I or II resided in Black Hawk, Dubuque, Linn, Marshall, Polk, Pottawattamie, Scott, and Woodbury counties, with Polk's 9,690 more than double the 4,730 in Linn, which had the second highest total in 1996. Fifty-seven counties reported fewer than 500 veterans of these wars, although only Adams, Davis, and Ringgold were under 200. Similar situations existed for those who first served in the Korean Conflict, the Vietnam Era, and the Persian Gulf, with higher numbers of veterans in counties with higher populations in general. The number of veterans was highest for the Vietnam Era; the 84,400 in this category slightly outnumbered the 81,800 from World Wars I and II. It is likely that these numbers will diverge rather rapidly in coming years because of the age difference of members of these two groups of veterans. Indeed, veterans of the Vietnam Era exceeded those from World Wars I and II in 44 counties in 1996.

**NOTE:** See annual reports entitled "Veteran Population by Sex, County, and Period of Service" (Department of Veterans Affairs, Office of Policy and Planning, Client Support Team, National Center for Veteran Analysis and Statistics, Washington, DC) for additional information. We thank Larry Sundall for bringing these data to the attention of Census Services.

Table 1. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1996.

County	Total	First Wartime Service				Peacetime Service Only	
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Adair	800	260	160	210	30	100	50
Adams	550	190	110	140	20	70	20
Allamakee	1300	360	230	370	60	160	120
Appanoose	1500	450	260	430	90	150	120
Audubon	800	310	160	170	30	90	40
Benton	2290	680	350	680	110	300	170
Black Hawk	12970	3920	2130	3690	790	1390	1040
Boone	2650	830	490	670	140	300	220
Bremer	2010	440	340	690	130	270	140
Buchanan	1930	440	320	650	110	260	140
Buena Vista	1840	600	340	480	80	220	120
Butler	1350	440	240	360	60	170	80
Calhoun	1160	380	230	290	40	140	80
Carroll	1870	550	300	560	90	230	130
Cass	1500	480	290	400	70	170	90
Cedar	1800	540	310	550	80	210	120
Cerro Gordo	4950	1680	860	1250	260	520	390
Cherokee	1680	510	310	500	70	200	90
Chickasaw	1240	370	180	390	70	150	100
Clarke	870	270	140	240	50	90	80
Clay	1760	570	290	510	90	190	110
Clayton	1820	450	290	640	70	240	130
Clinton	5750	1660	910	1680	370	680	450
Crawford	1670	420	270	540	90	210	130
Dallas	3160	810	440	1030	230	350	300
Davis	710	190	150	200	30	90	50
Decatur	740	240	120	200	30	90	60
Delaware	1420	320	250	460	70	200	120
Des Moines	4980	1420	760	1590	270	550	380
Dickinson	2040	700	410	500	70	240	120
Dubuque	8710	2450	1430	2530	530	1050	720
Emmet	1200	410	210	330	40	140	70
Fayette	2060	540	410	590	100	280	160
Floyd	1730	540	300	460	90	230	100
Franklin	970	260	190	300	40	120	60
Fremont	880	320	140	230	40	100	50
Greene	1030	420	190	230	30	120	50
Grundy	1110	310	220	360	20	150	50
Guthrie	1390	480	210	400	50	180	70
Hamilton	1590	570	290	360	90	150	120
Hancock	1090	270	190	350	50	160	70
Hardin	1990	640	330	560	90	240	130
Harrison	1350	390	210	430	60	170	90
Henry	2030	560	280	580	160	230	220
Howard	850	290	140	220	40	90	70
Humboldt	1160	440	230	240	50	140	60
Ida	760	220	150	230	20	90	50
Iowa	1410	440	290	370	50	190	80
Jackson	1880	480	390	560	90	240	130
Jasper	3650	950	630	1140	190	430	300

\*Numbers rounded to nearest 10.

Table 1. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1996  
(continued).

County	Total	First Wartime Service				Peacetime Service Only	
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Jefferson	1550	410	190	630	70	160	100
Johnson	7670	1660	1030	2410	920	770	880
Jones	2080	470	310	720	130	240	210
Keokuk	1140	410	210	260	40	140	80
Kossuth	1750	560	310	460	70	230	130
Lee	4390	1190	630	1430	260	540	340
Linn	19470	4730	3010	6220	1460	2270	1780
Louisa	1330	340	220	400	100	150	120
Lucas	950	340	180	210	60	110	60
Lyon	880	260	180	240	40	110	60
Madison	1200	270	210	370	90	140	120
Mahaska	2020	650	310	520	140	230	170
Marion	3290	1070	540	900	150	370	260
Marshall	5560	2160	820	1440	250	560	330
Mills	1320	280	210	440	90	170	130
Mitchell	1090	370	180	330	30	130	50
Monona	1210	400	180	370	40	150	70
Monroe	840	290	110	220	50	100	60
Montgomery	1180	390	180	320	80	130	70
Muscatine	3820	980	620	1170	240	430	370
O'Brien	1440	360	290	430	50	200	110
Osceola	710	220	140	180	30	120	30
Page	1810	520	300	580	90	200	120
Palo Alto	1100	370	200	270	60	140	70
Plymouth	2060	550	330	690	100	260	130
Pocahontas	930	330	170	250	30	120	40
Polk	36150	9690	5290	10840	2880	3770	3670
Pottawattamie	9410	2370	1430	2790	760	1070	1000
Poweshiek	1780	640	280	410	100	220	140
Ringgold	510	160	110	120	20	60	40
Sac	1210	420	230	300	40	140	80
Scott	16620	3950	2550	5480	1220	1870	1550
Shelby	1350	470	230	350	40	180	80
Sioux	2270	630	390	730	70	310	130
Story	6000	1680	860	1670	600	690	520
Tama	1930	540	340	560	100	240	150
Taylor	800	290	140	210	20	100	40
Union	1240	310	230	380	70	160	90
Van Buren	810	300	150	180	30	100	60
Wapello	4450	1480	690	1230	230	500	310
Warren	3730	790	630	1200	280	480	350
Washington	1920	740	330	420	80	210	140
Wayne	740	290	130	170	30	70	50
Webster	4460	1520	840	1000	270	490	340
Winnebago	940	280	150	260	70	100	90
Winneshiek	1610	320	270	580	70	210	150
Woodbury	10630	3180	1560	2950	800	1100	1050
Worth	790	230	120	250	40	100	60
Wright	1480	470	220	400	80	170	130
State of Iowa	287500	81800	46200	84400	18100	33000	23900

Table 2. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1995.

County	Total	First Wartime Service				Peacetime Service Only	
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Adair	810	280	180	200	20	110	40
Adams	550	190	110	130	20	70	20
Allamakee	1320	380	240	370	50	160	110
Appanoose	1520	490	260	430	70	150	120
Audubon	810	320	150	170	30	90	50
Benton	2310	710	360	670	90	310	170
Black Hawk	13110	4120	2140	3740	670	1410	1050
Boone	2690	880	500	680	120	290	220
Bremer	2050	480	350	690	110	290	140
Buchanan	1970	470	340	640	100	270	140
Buena Vista	1880	650	350	470	70	220	120
Butler	1380	460	250	370	50	160	80
Calhoun	1190	410	230	290	30	140	80
Carroll	1910	590	310	560	70	240	120
Cass	1520	510	300	390	60	170	90
Cedar	1840	570	320	560	70	210	120
Cerro Gordo	5030	1770	870	1270	220	520	390
Cherokee	1700	550	310	490	60	210	90
Chickasaw	1260	380	180	400	60	150	100
Clarke	870	290	140	230	40	100	80
Clay	1790	610	290	520	80	190	110
Clayton	1850	480	300	640	60	250	120
Clinton	5820	1750	920	1670	310	700	470
Crawford	1700	440	290	540	70	220	130
Dallas	3200	860	450	1040	190	360	300
Davis	730	210	160	200	30	90	50
Decatur	740	240	120	200	30	100	60
Delaware	1450	360	260	470	60	200	110
Des Moines	5040	1500	760	1590	230	570	380
Dickinson	2030	740	400	500	50	230	120
Dubuque	8810	2590	1440	2530	450	1060	730
Emmet	1230	430	210	340	30	140	70
Fayette	2120	590	420	590	80	270	160
Floyd	1760	570	310	460	80	240	100
Franklin	990	290	190	310	30	120	60
Fremont	890	340	140	230	30	100	50
Greene	1050	430	190	230	20	120	50
Grundy	1140	340	230	360	20	150	50
Guthrie	1400	500	220	380	40	190	70
Hamilton	1630	610	310	370	80	150	130
Hancock	1110	290	200	350	50	160	70
Hardin	2020	670	340	560	80	250	120
Harrison	1380	410	220	440	50	170	90
Henry	2040	590	280	590	130	230	230
Howard	870	300	150	220	40	100	70
Humboldt	1180	470	230	240	40	140	60
Ida	770	250	150	230	20	100	40
Iowa	1430	470	290	360	50	180	80
Jackson	1920	530	390	560	80	240	130
Jasper	3730	1010	670	1170	160	430	290

\*Numbers rounded to nearest 10.



Table 2. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1995  
(continued).

County	Total	First Wartime Service				Peacetime Service Only	
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Jefferson	1580	430	190	650	60	160	100
Johnson	7700	1740	1060	2430	770	780	900
Jones	2110	500	320	720	110	250	210
Keokuk	1170	440	210	260	40	150	80
Kossuth	1790	590	330	470	60	230	130
Lee	4450	1250	660	1420	220	560	340
Linn	19630	5010	3050	6190	1220	2340	1820
Louisa	1340	360	220	390	80	160	120
Lucas	970	360	180	210	50	120	60
Lyon	910	280	190	240	30	110	60
Madison	1230	300	220	370	70	130	130
Mahaska	2040	680	320	520	120	240	180
Marion	3300	1100	550	910	130	370	250
Marshall	5540	2200	800	1440	210	570	330
Mills	1340	310	210	430	70	180	130
Mitchell	1100	380	190	330	30	130	50
Monona	1230	420	180	380	30	150	60
Monroe	860	310	120	230	40	110	60
Montgomery	1200	410	190	330	70	130	80
Muscatine	3850	1040	620	1190	200	440	360
O'Brien	1470	400	300	430	40	200	110
Osceola	720	230	150	160	30	120	30
Page	1840	560	300	580	80	210	110
Palo Alto	1130	380	220	270	50	140	70
Plymouth	2100	570	360	700	90	260	130
Pocahontas	950	350	170	240	30	120	40
Polk	36340	10110	5410	10880	2370	3800	3760
Pottawattamie	9570	2500	1490	2820	630	1090	1040
Poweshiek	1790	650	290	410	80	220	140
Ringgold	520	170	110	120	20	60	40
Sac	1240	450	230	300	40	140	80
Scott	16820	4160	2600	5560	1010	1900	1580
Shelby	1360	480	240	350	30	170	80
Sioux	2310	670	410	740	80	310	120
Story	6020	1730	880	1670	510	680	540
Tama	1970	580	350	560	90	240	150
Taylor	810	310	140	210	20	100	40
Union	1260	340	230	390	60	160	90
Van Buren	820	320	150	180	20	100	60
Wapello	4510	1550	710	1240	190	510	310
Warren	3780	860	630	1220	230	480	360
Washington	1920	750	340	420	70	210	130
Wayne	750	300	120	180	30	70	50
Webster	4550	1630	830	1020	230	490	350
Winnebago	950	290	150	260	60	110	90
Winneshiek	1650	360	280	590	60	220	150
Woodbury	10790	3360	1590	2980	670	1130	1070
Worth	810	240	130	250	30	100	60
Wright	1500	500	230	400	70	180	130
State of Iowa	291100	86300	47200	84800	15100	33500	24100

Table 3. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1994.

County	Total	First Wartime Service			Peacetime Service Only		
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Adair	830	300	160	200	20	110	40
Adams	550	200	120	120	20	70	20
Allamakee	1350	410	250	370	50	160	110
Appanoose	1550	530	250	430	60	150	130
Audubon	820	340	150	170	20	90	50
Benton	2350	740	380	670	80	320	170
Black Hawk	13300	4300	2150	3780	590	1420	1070
Boone	2740	920	510	690	100	290	220
Bremer	2090	520	350	690	100	290	140
Buchanan	2030	510	350	640	100	280	140
Buena Vista	1920	690	360	470	60	220	120
Butler	1420	480	260	370	50	160	80
Calhoun	1220	440	230	290	30	140	80
Carroll	1950	640	330	560	70	250	120
Cass	1550	540	300	390	50	170	100
Cedar	1870	590	330	570	60	200	120
Cerro Gordo	5130	1870	880	1290	200	520	390
Cherokee	1730	580	310	480	50	210	90
Chickasaw	1280	390	190	400	50	150	100
Clarke	890	300	140	240	30	100	70
Clay	1820	640	290	520	70	190	110
Clayton	1890	510	320	630	50	260	120
Clinton	5920	1840	940	1650	280	720	490
Crawford	1730	460	300	540	70	220	130
Dallas	3250	900	450	1050	160	370	310
Davis	750	230	160	200	30	90	50
Decatur	750	250	130	190	20	100	60
Delaware	1490	390	260	480	50	200	110
Des Moines	5120	1580	770	1590	210	590	380
Dickinson	2040	780	380	490	40	220	120
Dubuque	8930	2730	1460	2540	410	1070	740
Emmet	1250	460	210	340	30	150	70
Fayette	2190	640	430	600	80	270	160
Floyd	1800	600	330	450	70	240	100
Franklin	1020	310	190	310	20	120	60
Fremont	910	350	150	230	30	100	50
Greene	1070	450	200	230	20	120	50
Grundy	1160	370	230	360	20	150	50
Guthrie	1410	520	220	370	40	200	70
Hamilton	1680	640	320	370	70	140	130
Hancock	1150	310	220	350	40	160	80
Hardin	2060	700	350	560	70	260	120
Harrison	1420	440	230	440	50	170	90
Henry	2070	620	280	600	110	230	230
Howard	890	320	150	220	30	100	60
Humboldt	1220	510	240	240	40	140	60
Ida	800	270	150	230	10	100	40
Iowa	1460	510	290	360	40	180	80
Jackson	1960	580	390	560	70	240	120
Jasper	3820	1080	700	1190	140	430	290

\*Numbers rounded to nearest 10.

Table 3. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1994  
(continued).

County	Total	First Wartime Service			Peacetime Service Only		
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Jefferson	1600	450	200	640	50	160	100
Johnson	7740	1830	1070	2420	680	790	940
Jones	2140	530	330	720	100	260	200
Keokuk	1190	460	230	250	30	150	80
Kossuth	1840	620	350	480	50	230	120
Lee	4530	1300	700	1410	200	580	340
Linn	19850	5300	3070	6150	1070	2400	1860
Louisa	1350	380	220	390	70	160	130
Lucas	990	380	180	210	50	110	60
Lyon	930	300	190	240	30	110	60
Madison	1260	330	220	380	60	140	130
Mahaska	2080	710	330	520	100	240	180
Marion	3320	1130	560	920	120	360	240
Marshall	5550	2230	790	1430	190	580	340
Mills	1370	340	210	430	60	190	130
Mitchell	1130	380	200	330	20	140	50
Monona	1250	440	190	380	30	150	60
Monroe	880	320	130	230	30	110	60
Montgomery	1230	430	190	340	60	130	80
Muscatine	3900	1120	620	1200	170	440	350
O'Brien	1510	440	310	430	30	200	100
Osceola	740	240	170	150	20	120	30
Page	1870	590	300	580	70	220	110
Palo Alto	1160	390	240	280	40	130	70
Plymouth	2150	600	380	690	90	250	130
Pocahontas	970	370	170	240	20	130	40
Polk	36580	10520	5510	10850	2030	3840	3810
Pottawattamie	9770	2620	1560	2860	530	1120	1070
Poweshiek	1810	670	300	410	80	230	140
Ringgold	540	190	110	130	20	60	40
Sac	1270	480	230	310	30	140	80
Scott	17050	4390	2630	5600	880	1920	1630
Shelby	1380	490	260	360	30	170	70
Sioux	2360	710	430	740	50	310	120
Story	6030	1770	900	1660	460	680	560
Tama	2010	620	360	560	80	240	150
Taylor	830	320	150	210	20	100	40
Union	1290	370	230	390	60	160	90
Van Buren	840	340	150	180	20	90	60
Wapello	4590	1610	730	1250	170	520	310
Warren	3840	930	640	1250	190	470	360
Washington	1940	780	350	430	70	210	130
Wayne	770	310	120	180	30	80	50
Webster	4660	1730	840	1050	210	490	350
Winnebago	980	310	160	270	50	110	90
Winneshiek	1690	400	290	590	50	230	140
Woodbury	11000	3520	1640	3010	590	1160	1090
Worth	820	250	130	250	30	100	60
Wright	1540	530	230	400	60	190	130
State of Iowa	295700	90800	48200	85000	13300	33900	24400

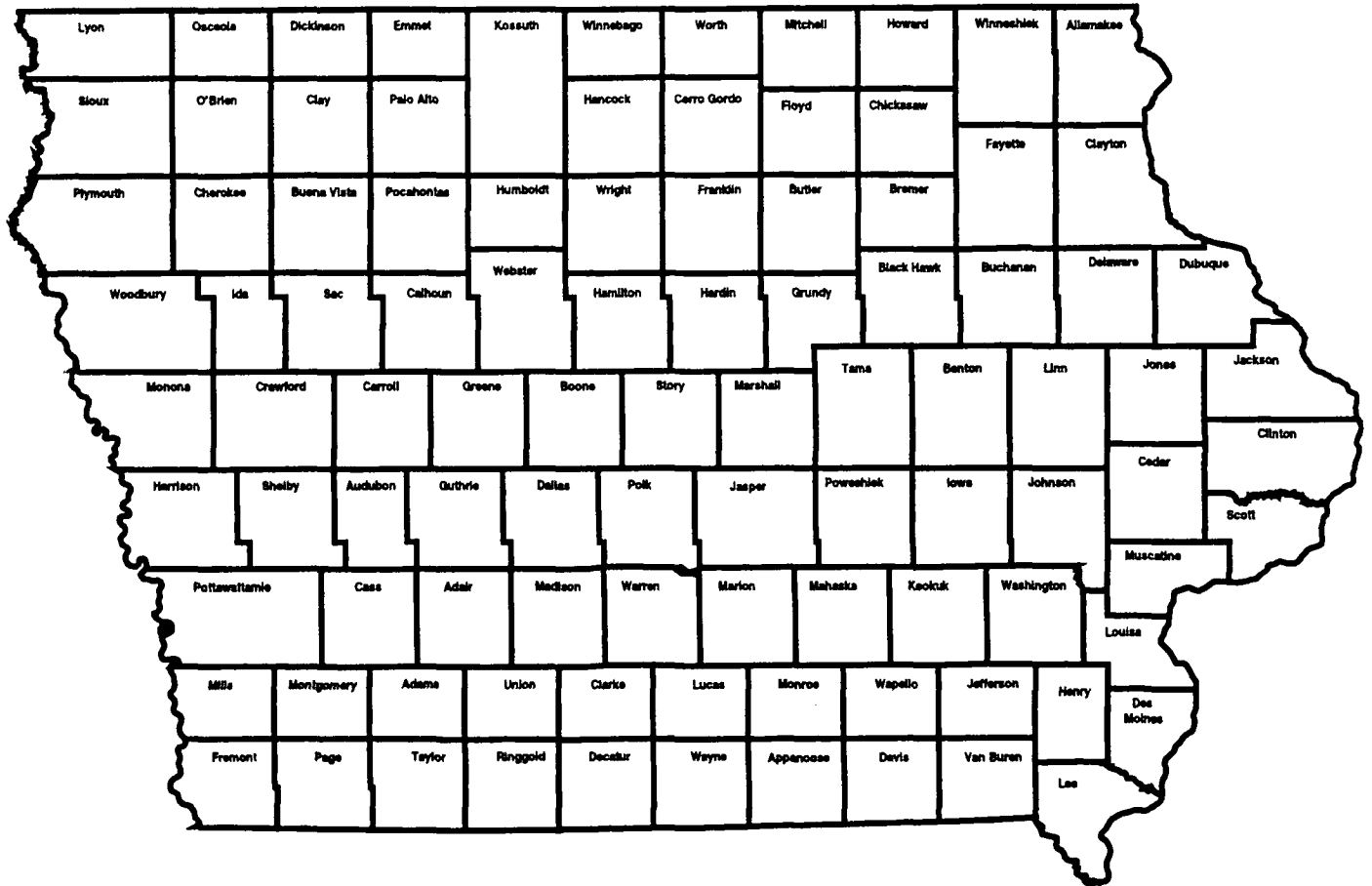
Table 4. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1993.

County	Total	First Wartime Service				Peacetime Service Only	
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Adair	850	320	160	200	20	110	40
Adams	560	210	120	120	10	70	30
Allamakee	1370	430	260	370	40	170	100
Appanoose	1580	560	250	430	50	150	130
Audubon	840	360	150	160	20	90	50
Benton	2390	780	400	660	70	320	170
Black Hawk	13480	4470	2140	3830	520	1430	1090
Boone	2780	980	510	700	90	290	220
Bremer	2140	560	360	690	100	300	140
Buchanan	2080	550	370	640	90	280	150
Buena Vista	1960	730	370	470	50	230	120
Butler	1450	510	270	390	40	160	80
Calhoun	1250	490	240	300	30	140	70
Carroll	2010	670	340	560	60	260	120
Cass	1570	570	300	380	50	170	100
Cedar	1900	630	330	570	50	190	120
Cerro Gordo	5220	1950	890	1300	180	520	390
Cherokee	1750	630	310	460	40	220	90
Chickasaw	1300	400	200	400	50	160	90
Clarke	900	320	140	240	30	100	70
Clay	1850	660	290	530	70	190	110
Clayton	1920	540	330	620	50	260	120
Clinton	6010	1930	960	1630	250	730	510
Crawford	1760	500	310	540	60	220	130
Dallas	3300	940	460	1060	140	380	310
Davis	780	260	160	200	20	90	50
Decatur	760	260	140	190	20	90	60
Delaware	1530	420	280	490	50	200	100
Des Moines	5210	1670	780	1580	180	620	380
Dickinson	2030	820	370	490	30	210	110
Dubuque	9050	2850	1480	2550	360	1070	750
Emmet	1280	480	220	340	30	150	60
Fayette	2250	710	440	620	70	270	160
Floyd	1850	640	340	460	70	240	110
Franklin	1050	340	200	310	20	120	60
Fremont	930	370	150	230	30	110	50
Greene	1090	460	200	240	20	120	50
Grundy	1180	400	230	350	10	140	50
Guthrie	1420	530	230	350	30	210	70
Hamilton	1710	670	330	380	60	140	140
Hancock	1180	330	230	350	40	150	80
Hardin	2110	730	370	560	60	270	120
Harrison	1450	460	240	450	40	180	90
Henry	2090	650	290	610	100	240	220
Howard	910	330	160	230	30	100	60
Humboldt	1250	540	240	240	30	140	60
Ida	820	300	150	220	10	100	40
Iowa	1490	540	300	350	40	180	80
Jackson	2000	630	390	550	70	240	120
Jasper	3900	1150	720	1200	120	430	280

\*Numbers rounded to nearest 10.

Table 4. Estimated Veterans\* by Period of Service in Wartime and Peacetime in Iowa Counties, 1993  
(continued).

County	Total	First Wartime Service				Peacetime Service Only	
		World Wars I & II	Korean Conflict	Vietnam Era	Persian Gulf	Pre-Vietnam Era	Post-Vietnam Era
Jefferson	1620	470	210	630	50	150	100
Johnson	7780	1910	1080	2410	600	800	980
Jones	2170	560	340	720	80	260	200
Keokuk	1220	480	240	250	30	140	80
Kossuth	1880	660	360	490	40	220	120
Lee	4610	1380	730	1400	180	590	340
Linn	20060	5580	3100	6090	930	2470	1900
Louisa	1360	420	220	380	60	160	130
Lucas	1000	390	180	210	40	120	60
Lyon	960	320	200	240	30	110	60
Madison	1290	360	220	380	50	150	130
Mahaska	2120	740	340	530	80	250	180
Marion	3330	1160	560	930	100	350	230
Marshall	5560	2260	780	1420	170	590	340
Mills	1390	370	220	420	50	200	130
Mitchell	1150	410	210	330	20	140	50
Monona	1270	470	200	370	20	150	60
Monroe	890	330	140	230	30	100	60
Montgomery	1270	450	200	350	60	140	80
Muscatine	3950	1180	620	1220	140	440	350
O'Brien	1560	480	320	430	30	200	100
Osceola	760	250	180	140	20	120	40
Page	1910	630	310	570	70	220	110
Palo Alto	1190	410	250	280	40	140	70
Plymouth	2190	630	400	680	80	260	130
Pocahontas	990	390	180	230	20	130	40
Polk	36770	10950	5580	10780	1720	3900	3860
Pottawattamie	9960	2750	1620	2890	450	1150	1100
Poweshiek	1840	680	310	420	70	230	130
Ringgold	550	200	110	130	10	50	40
Sac	1310	520	240	310	30	140	80
Scott	17260	4610	2660	5620	750	1960	1660
Shelby	1400	500	270	360	30	170	70
Sioux	2400	750	450	730	50	310	110
Story	6050	1810	910	1660	410	670	580
Tama	2040	660	360	550	70	250	150
Taylor	840	330	150	210	10	90	40
Union	1320	400	230	390	50	160	90
Van Buren	850	350	150	190	20	90	60
Wapello	4660	1680	760	1250	150	530	310
Warren	3900	990	640	1270	160	460	370
Washington	1970	800	350	450	60	200	120
Wayne	780	330	120	180	20	70	50
Webster	4780	1820	840	1080	190	490	360
Winnebago	1010	330	160	280	40	110	90
Winneshiek	1740	440	300	590	40	230	130
Woodbury	11210	3680	1700	3030	510	1190	1100
Worth	830	270	130	250	20	110	60
Wright	1580	560	240	410	50	190	130
State of Iowa	300000	95300	49100	85100	11600	34300	24600



## Expenditures by the U.S. Department of Veterans Affairs in Iowa's Counties: 1992-1996

Sandra Charvat Burke, Iowa State University  
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A report of expenditures by the U.S. Department of Veterans Affairs is released by fiscal year. In 1996, nearly \$404 million was expended by Veterans Affairs in Iowa's counties (Table 1). That was an increase of more than \$50 million since 1992, when the total was \$353 million. Expenditures varied greatly across the 99 counties in this state. Adair, Adams, Audubon, Ida, and Osceola each had less than \$500,000 while at least \$5 million was spent in 10 counties. The \$55.6 in Marion, \$91.2 million in Polk, and \$96.5 in Johnson were significantly higher than figures for other counties; each of these counties has a relatively large facility for veterans. The next highest level of expenditure was \$10.3 million in Linn.

Total expenditures included \$203 million for medical services and administration; in 1996, these occurred only in Johnson (\$90.4 million), Lee (\$0.2 million), Marion (\$49.4 million), and Polk (\$63.2 million). Johnson, Marion, and Polk received these funds each year from 1992 through 1996; they were reported for Lee in three years (1992, 1995, 1996) and in Sac in one year (1995). Construction and related costs also occurred in few counties but are counted in the total. In 1996, \$3.7 million was spent in this category in three counties (Johnson, \$1.1 million; Marion, \$2.4 million; Polk, \$0.2 million). These three counties were the only ones receiving these funds each year; Lee reported them in 1993, 1994, and 1995, while they were noted in Sac in 1994 and 1995.

Compensation and pension expenditures exceeded those in other categories reported in Table 1 in all counties. The money spent for compensation and pensions was less than \$500,000 in 10 counties but exceeded \$1 million in 35 others in 1996. The highest figure (\$22.7 million) occurred in Polk; no other county had more than \$10 million in compensation and pensions that year. Expenditures for readjustment and vocational rehabilitation and for insurance and indemnities, although substantially smaller in magnitude than the figures reported for compensation and pension, varied similarly, with the most urban counties reporting significantly higher totals than the most rural ones.

Total expenditures related to programs for veterans increased in all but 10 counties from 1992 to 1996. Of these 10, only Monona and Washington had declines greater than \$100,000. Gains, on the other hand, exceeded \$100,000 in nearly half (49) of Iowa's 99 counties. In Black Hawk, Johnson, Linn, Marion, Marshall, Polk, Pottawattamie, and Scott, increases in total expenditures exceeded \$1 million when 1992 and 1996 were compared.

Compensation and pensions increased by \$11.8 million in the period examined. Gains occurred in 67 counties, with the increase topping \$100,000 in 27 counties. In contrast, only 4 of the 31 counties with declines reported drops greater than \$100,000 between 1992 and 1996. Expenditures for readjustment and vocational rehabilitation declined in only seven counties; insurance and indemnity payments increased in all counties.

**Note:** See "Geographic Distribution of VA Expenditures: Fiscal Year: State, County, and Congressional District" (Department of Veterans Affairs, Office of Policy and Planning, Client Support Team, National Center for Veteran Analysis and Statistics, Washington, DC) for additional information. We thank Larry Sundall for bringing these data to the attention of Census Services.

Table 1. Total Veterans Affairs Expenditures (in \$1,000s) and Expenditures (in \$1,000s) in Selected Categories in Iowa Counties, 1992-1996.

County	Total VA Expenditures*					Compensation and Pension					Readjustment and Vocational Rehabilitation					Insurance and Indemnities				
	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992
Adair	483	479	473	545	576	408	405	402	460	511	5	6	5	10	12	70	67	67	75	53
Adams	309	283	266	271	284	252	239	222	221	249	11	1	0	1	2	46	44	44	49	33
Allamakee	959	910	806	843	790	805	756	679	687	688	42	47	20	36	20	112	108	107	120	82
Appanoose	1656	1556	1498	1575	1549	1467	1386	1350	1413	1435	60	46	25	24	19	130	124	123	138	94
Audubon	430	411	437	461	399	355	336	366	387	344	7	9	6	1	5	69	66	65	73	50
Benton	1516	1467	1331	1262	1135	1185	1166	1102	1022	955	134	114	43	31	36	196	188	187	209	144
Black Hawk	8307	7654	7005	7311	6477	6208	5629	5535	5709	5275	992	964	417	421	401	1107	1060	1053	1181	800
Boone	1742	1869	1865	1857	1771	1412	1539	1587	1559	1527	102	111	60	55	76	229	219	217	244	169
Bremer	1193	1170	1133	1041	962	887	864	915	811	770	131	138	51	42	62	176	168	167	187	130
Buchanan	1058	1052	979	983	954	852	847	798	789	800	34	42	18	12	25	171	164	163	182	129
Buena Vista	1389	1327	1257	1398	1341	1084	1072	1048	1157	1162	144	100	55	69	57	161	155	154	172	121
Butler	862	794	791	862	826	706	641	665	720	718	36	38	13	15	18	119	114	114	127	90
Calhoun	868	891	802	891	883	743	727	686	764	787	22	65	18	17	18	103	98	98	110	78
Carroll	1200	1187	1191	1270	1191	996	990	995	1054	1032	39	40	40	41	35	165	158	157	176	124
Cass	1188	1049	1042	1036	1046	1032	906	918	896	945	28	20	1	3	8	129	123	122	137	93
Cedar	861	813	744	763	687	654	608	571	586	553	50	55	24	11	21	156	150	149	166	113
Cerro Gordo	3415	3481	3382	3535	3186	2784	2855	2862	2967	2776	202	215	112	110	97	429	411	408	457	313
Cherokee	904	868	849	929	881	730	703	702	765	755	31	28	11	11	22	143	137	137	153	103
Chickasaw	780	755	676	789	791	637	620	561	654	680	36	32	13	21	33	107	102	102	114	78
Clarke	682	640	637	681	654	592	557	560	600	594	16	12	7	2	5	74	71	71	79	54
Clay	1316	1251	1193	1286	1169	1115	1040	1018	1077	1029	49	65	30	47	31	152	145	145	162	108
Clayton	1189	1139	1213	1316	1183	988	948	1045	1131	1051	44	40	18	16	15	158	151	150	168	117
Clinton	3107	3040	2978	3086	2913	2438	2370	2395	2473	2477	176	197	114	87	77	493	473	469	526	359
Crawford	978	908	933	938	978	790	742	780	771	854	43	28	16	12	17	144	138	137	154	107
Dallas	2229	2140	2144	2085	1817	1890	1803	1826	1726	1554	68	77	60	69	65	271	260	258	289	198
Davis	621	601	708	595	549	534	513	633	516	485	23	28	15	11	16	64	61	61	68	48
Decatur	688	651	669	712	700	574	551	583	611	631	52	41	27	34	24	62	59	59	66	45
Delaware	1012	897	906	979	1008	847	743	760	829	888	39	33	25	15	25	126	121	120	134	95
Des Moines	2899	2703	2598	2703	2531	2307	2075	2118	2162	2160	164	219	73	85	59	428	410	407	456	313
Dickinson	1194	1022	991	1087	1062	993	841	819	893	929	35	22	13	16	17	167	160	159	178	116
Dubuque	5328	4650	4552	4714	4358	4093	3584	3626	3678	3580	491	354	218	243	238	744	712	708	793	539
Emmet	1045	1032	985	1024	912	831	860	844	888	799	109	72	41	24	36	105	100	100	112	77
Fayette	1561	1439	1379	1479	1344	1269	1161	1148	1234	1146	107	101	55	48	56	185	177	176	197	142

\*Totals include funds for construction/related costs and for medical services/administration; see the text for counties in which these occurred.



Table 1. Total Veterans Affairs Expenditures (in \$1,000s) and Expenditures (in \$1,000s) in Selected Categories in Iowa Counties, 1992-1996 (cont.).

County	Total VA Expenditures					Compensation and Pension					Readjustment and Vocational Rehabilitation					Insurance and Indemnities				
	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992
Floyd	1676	1592	1371	1391	1311	1449	1367	1191	1197	1150	75	80	36	32	48	152	145	144	162	114
Franklin	726	692	682	755	715	620	588	584	647	625	19	22	16	16	26	86	82	82	92	65
Fremont	674	653	621	643	557	578	561	508	553	486	20	19	40	8	15	76	73	73	81	56
Greene	852	838	726	810	668	731	722	636	709	589	31	30	4	6	12	89	86	85	95	67
Grundy	649	651	602	629	598	515	514	454	506	506	36	43	55	19	21	97	93	93	104	71
Guthrie	733	713	699	754	730	585	575	582	619	637	31	26	6	11	10	117	112	111	125	84
Hamilton	1037	1045	961	1036	1016	862	871	816	882	891	35	39	11	4	22	141	135	134	150	103
Hancock	611	610	580	647	513	486	488	469	524	430	28	29	19	19	9	97	93	92	103	74
Hardin	1108	1085	1127	1145	1086	861	865	915	950	950	74	54	48	10	8	173	166	165	184	128
Harrison	1134	1082	1089	1119	1087	952	906	967	979	981	62	62	7	13	16	120	115	114	128	90
Henry	864	859	897	843	873	647	629	663	619	722	45	65	71	41	26	172	165	164	183	124
Howard	691	588	555	544	530	595	502	438	447	469	21	15	47	18	6	74	71	71	79	55
Humboldt	742	668	688	670	632	598	544	575	553	537	41	25	15	8	18	103	98	98	110	78
Ida	409	358	352	337	363	335	286	275	259	306	6	7	13	6	6	68	65	64	72	51
Iowa	888	856	754	855	774	745	702	606	694	655	20	37	32	31	28	122	117	116	130	91
Jackson	1170	1182	1131	1131	1088	966	973	947	943	953	39	52	27	13	15	164	157	156	175	120
Jasper	1833	1802	1840	1975	1785	1457	1436	1489	1591	1508	56	58	45	43	40	321	307	305	342	237
Jefferson	835	774	747	866	714	660	604	588	684	572	43	44	32	40	49	133	127	126	142	93
Johnson	96467	96742	96055	90294	84687	3147	2919	2865	2846	2757	1202	1402	596	599	561	638	611	607	680	444
Jones	1157	1129	1096	1178	1102	940	896	903	960	941	39	63	23	28	31	178	171	170	190	130
Keokuk	1069	815	865	929	874	945	694	753	795	776	24	25	17	27	22	100	96	96	107	76
Kossuth	1254	1143	1186	1203	1121	1053	957	1018	1022	987	46	38	21	16	16	155	148	147	165	117
Lee	3079	3088	2886	3028	2868	2379	2305	2264	2480	2291	115	161	84	53	57	379	363	360	404	277
Linn	10336	9849	8852	9348	8565	7818	7277	6875	7193	6969	871	994	409	399	410	1647	1578	1567	1757	1185
Louisa	656	699	628	698	617	534	566	511	568	526	11	26	11	12	12	111	107	106	119	79
Lucas	889	879	783	831	828	781	780	696	735	755	26	20	9	8	13	82	79	78	88	61
Lyon	801	737	692	684	679	696	632	607	594	609	26	29	10	6	10	79	75	75	84	59
Madison	873	863	798	805	774	743	735	684	684	688	24	27	13	8	6	106	102	101	113	80
Mahaska	1821	1597	1590	1630	1618	1528	1330	1368	1403	1438	119	100	57	41	51	174	166	165	185	128
Marion	55629	57635	53024	52314	46144	3431	3214	2915	2954	2699	92	106	63	39	57	274	262	260	292	193
Marshall	7924	7342	6683	6710	6674	7349	6777	6208	6143	6289	118	127	41	79	65	457	437	435	487	320
Mills	1276	1276	1148	1209	1134	995	948	902	987	927	167	218	137	100	122	114	110	109	122	86
Mitchell	543	497	484	479	475	436	388	382	369	389	13	19	12	10	16	94	90	90	101	70

Table 1. Total Veterans Affairs Expenditures (in \$1,000s) and Expenditures (in \$1,000s) in Selected Categories in Iowa Counties, 1992-1996 (cont.).

County	Total VA Expenditures					Compensation and Pension					Readjustment and Vocational Rehabilitation					Insurance and Indemnities				
	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992	1996	1995	1994	1993	1992
Monona	938	952	894	1012	1119	803	823	786	892	1038	31	30	9	9	7	104	100	99	111	75
Monroe	1209	1124	1000	975	909	1082	1023	916	885	847	54	30	14	11	8	73	70	70	78	54
Montgomery	816	789	746	816	771	673	632	624	698	688	39	57	23	7	5	104	100	99	111	78
Muscatine	1900	1804	1757	1779	1628	1420	1383	1405	1388	1356	156	110	43	45	36	324	311	308	346	236
O'Brien	961	973	922	1024	936	808	808	774	857	805	25	43	26	31	33	128	122	122	136	98
Osceola	477	493	410	398	383	390	414	348	330	331	25	20	3	2	5	62	59	59	66	48
Page	1210	1194	1054	1087	1058	1004	996	892	912	927	50	48	13	8	17	157	150	149	167	115
Palo Alto	739	726	660	700	687	557	551	542	575	585	85	82	25	21	29	97	93	93	104	73
Plymouth	1283	1174	1124	1151	1202	994	910	905	915	1008	109	91	47	44	63	180	173	171	192	131
Pocahontas	770	673	618	681	696	653	561	536	590	626	36	35	5	4	9	82	78	78	87	61
Polk	91223	93651	89573	87638	81803	22658	21988	20897	21780	20690	2199	2402	1309	1464	1272	3019	2893	2873	3220	2130
Pottawattamie	6794	6421	5716	5946	5513	5550	5298	4796	4901	4709	427	340	142	172	196	818	783	778	872	608
Poweshiek	1271	1277	1140	1051	913	1060	1049	939	865	768	60	84	57	24	34	151	145	144	161	111
Ringgold	567	465	460	485	509	517	415	413	435	472	4	7	4	2	3	45	43	43	48	34
Sac	818	1386	1688	821	797	683	672	683	695	703	28	31	10	11	13	108	103	102	115	81
Scott	8803	8540	7558	7885	7169	6044	5783	5633	5764	5604	1341	1398	577	609	542	1418	1358	1349	1512	1024
Shelby	792	744	741	781	703	639	597	610	639	603	38	36	21	19	15	115	110	110	123	85
Sioux	1260	1189	1181	1227	1144	1000	938	962	977	943	62	61	31	39	54	198	189	188	211	146
Story	3824	3681	2969	3013	2861	2310	2143	2038	2041	2017	1018	1063	459	443	502	496	475	472	529	342
Tama	908	854	851	1005	898	720	664	673	813	756	20	30	19	13	19	167	160	159	179	122
Taylor	660	644	591	652	621	574	564	522	578	569	17	14	3	.	1	69	66	66	74	51
Union	906	790	790	894	874	763	658	679	766	763	34	28	8	13	31	108	104	103	116	81
Van Buren	554	506	463	436	399	453	410	390	351	336	31	29	6	10	10	70	67	67	75	52
Wapello	3965	3838	3532	3688	3341	3305	3232	3057	3135	2962	277	239	110	145	99	383	367	365	409	280
Warren	2731	2602	2417	2429	2327	2299	2109	2058	2020	2010	112	186	55	67	84	320	307	305	341	233
Washington	929	928	950	1103	1048	741	727	772	912	910	27	46	24	19	20	162	155	154	172	118
Wayne	711	712	671	733	716	636	644	608	661	662	12	7	2	4	7	64	61	61	68	47
Webster	2956	2751	2689	2702	2509	2445	2225	2236	2218	2137	118	150	80	66	78	392	376	373	418	293
Winnebago	553	619	498	535	528	425	491	406	442	456	45	48	13	5	8	83	80	79	89	64
Winneshiek	1106	1091	979	956	938	887	865	818	775	799	76	89	25	29	32	143	137	136	152	108
Woodbury	7158	6735	6827	7106	6698	5728	5396	5636	5862	5715	508	457	314	262	306	921	882	876	982	677
Worth	524	489	470	489	453	440	404	399	406	392	15	19	6	10	10	69	66	65	73	51
Wright	899	865	837	901	849	747	721	703	751	736	23	20	11	12	14	130	124	123	138	98
State of Iowa	403587	401150	383384	379894	353107	157873	149722	145429	150128	146071	14196	14750	7169	7022	7032	24642	23607	23448	26279	17928

## Voting for Selected Candidates in U.S. and Iowa Elections in Iowa's Counties: 1980-1996

Willis Goudy, Iowa State University  
Yang Xiaodong, Iowa State University

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After votes are cast and counted for federal and state offices, they are canvassed to assure accuracy of the totals. They are then made available by county first in an official canvass summary released by the Office of the Secretary of State of Iowa and later in the Iowa Official Register, a publication that the state releases every two years. In the tables that follow, only candidates receiving at least 5 percent of the total votes in a particular race are included. What are labeled "scattered" votes (usually write-ins) are not noted either; these are available in some editions of the register but not in others. Except for the vote on President, where total figures are noted, the numbers included under-represent the total votes cast, although the unreported categories generally included relatively few voters.

### President

The U.S. presidential race in 1996 attracted fewer Iowa voters than did those in 1992 or 1984 but slightly more than went to the polls in 1988 (Table 1). The total of 1.2 million voters in the most recent election for President was about 120,500 fewer than the number four years earlier. In 1996, 50.3 percent of the votes cast went to the Democrat (Clinton) while 39.9 percent were given to the Republican (Dole) and 8.5 percent to the slate listed as Independent (Perot) in Table 1. Additional candidates captured the remaining 1.3 percent in 1996. The results favored the Republican candidate in 1980 (52.0%) and 1984 (53.3%) and the Democrat in 1988 (54.7%) and 1992 (43.3%). In the elections in 1980, 1992, and 1996, a candidate other than a Democrat or Republican received at least 1% of the total; labeled as Independent in the table, this party received 8.9 percent of the votes in Iowa in 1980, 18.7 percent in 1992, and 8.5 percent in 1996.

Among the 79 counties that favored the Democrat in 1996, eight (Black Hawk, Buchanan, Cerro Gordo, Des Moines, Johnson, Lee, Wapello, Worth) cast at least 55 percent of their votes for Clinton. In Johnson, more than 6 of every 10 votes were cast for Clinton. Contrary to the state totals, 20 counties reported more votes for Dole than for Clinton in 1996. Of these counties, six (Lyon, O'Brien, Page, Plymouth, Pottawattamie, Sioux) cast at least 1,000 more votes for Dole than for Clinton that year. More than 3 of every 4 voters (77.0%) in Sioux selected the Republican party's candidate, with at least half of the votes also going to Dole in Grundy, Lyon, Mahaska, Mills, O'Brien, Osceola, Page, Plymouth, and Shelby. Perot did not receive more votes than the candidates of the two major political parties in any county, although he received at least 10 percent of the votes in 51 counties and never less than 5 percent in the 1996 election.

### Senator

Six races for U.S. senate seats occurred in Iowa from 1980 to 1996 (Table 2). The ability of a presidential election to draw voters to the polls is evident when the total votes for senator in 1980, 1984, 1992, and 1996 are compared with those for 1986 and 1990. The former years included presidential races, and more than 1.2 million votes for the senate candidates were counted; the 1986 and 1990 elections, which did not have candidates for President vying for office, each had less than 1 million votes for the two major senate candidates. The 1992 senate results were the most uneven, with the Republican claiming more than two-thirds (71.9%) of the votes; the Republican candidate also won in 1980 (54.1%) and 1986 (66.3%). The Democrat received the most votes in 1984 (56.0%), 1990 (53.9%), and 1996 (52.6%).

In the 1996 contest for the U.S. senate seat, the Democrat who won carried 52 of Iowa's counties and received at least 60 percent of the votes for the two major candidates in Des Moines, Johnson, and Lee counties. In 1992, the Republican winner carried all counties and received at least 75 percent of the votes in 57 counties. The statewide winner in 1990 also had the greatest number of votes in 62 counties; this Democratic candidate received 60 percent or more of the votes in 19 counties. In 1986, the Republican candidate carried all but one county (Wapello, 49.8%); at least 75 percent of the votes went to this candidate in 11 counties.

### **Representative**

The influence of a presidential election on voting participation is confirmed when total votes for the races for seats in the U.S. House of Representatives are reviewed from 1980 through 1996 (Table 3). Voting for representatives drops by 200,000 to 400,000 in Iowa in the election two years after a presidential race is on the ballot. The decline was least from 1980 to 1982; in contrast, the drop from 1988 to 1990 was the greatest, in part because Democrats failed to field a candidate for U.S. representative in 16 counties while Republicans had no one running in 22 counties in 1990. In 1992, the Democrats did not have a candidate on the ballot for one of the seats available; this district included 30 counties. In 1994 and 1996, however, all seats were contested by candidates from both major parties.

When the votes for representative were totaled across the state, Republicans received more support in six elections (1984, 1986, 1988, 1992, 1994, 1996) while Democrats had the majority of votes in the other three (1980, 1982, 1990). The differences didn't exceed 100,000 until 1992, when Republican candidates for the U.S. House of Representatives received about 237,000 more votes than did Democrats. In 1994, the Republican total was nearly 153,000 above that for Democrats; the difference continued to decline to 117,000 in 1996.

**Note:** Readers can review the biennial Iowa Official Register for additional information on elections. Before data appear in a register, they are available as the Official Canvas Summary from the office of Iowa's Secretary of State (State Capitol Building, Des Moines, IA 50319). But caution is urged in examining figures even after they have been officially canvassed. The register containing the results for 1990 elections, for example, included a note indicating that the official canvass totals for the Democratic and Republican candidates for the U.S. Senate were in error in Sioux County and had been reversed and reported correctly in that register. Other problems, generally not of this magnitude, also may occur in the registers if errors were discovered after the official canvass results had to be reported to the state.

Here are the names of candidates for national or statewide offices with the votes that they received: Table 1 (President): 1980, Democrat (Carter), Independent (Anderson), Republican (Reagan); 1984, Democrat (Mondale), Republican (Reagan); 1988, Democrat (Dukakis), Republican (Bush); 1992: Democrat (Clinton), Independent (Perot), Republican (Bush); 1996: Democrat (Clinton), Independent (Perot), Republican (Dole); Table 2 (U.S. Senator): 1980, Democrat (Culver), Republican (Grassley); 1984, Democrat (Harkin), Republican (Jepsen); 1986, Democrat (Roehrick), Republican (Grassley); 1990, Democrat (Harkin), Republican (Tauke); 1992, Democrat (Lloyd-Jones), Republican (Grassley); 1996, Democrat (Harkin), Republican (Lightfoot). Redistricting changed the counties in the districts of U.S. representatives in 1982 and 1992; see the Official Canvas Summary or the Iowa Official Register for candidates by county.

Table 1. Votes for Selected Candidates for U.S. President in Iowa Counties, 1980-1996.

County	1996				1992				1988			1984			1980		
	Dem	Ind	Rep	Total	Dem	Ind	Rep	Total	Dem	Rep	Total	Dem	Rep	Total	Dem	Ind	Rep
Adair	1802	458	1655	3935	1655	814	1713	4194	2261	1833	4123	1979	2615	4619	1454	356	2821
Adams	1070	320	920	2326	1034	679	863	2596	1283	1080	2380	1221	1706	2960	940	214	1779
Allamakee	2551	680	2457	5781	2362	1543	2627	6679	2768	3186	5995	2282	3997	6354	2170	343	4000
Appanoose	2747	554	2233	5592	2810	1161	2346	6373	3209	2779	6088	3289	3412	6759	2769	353	3544
Audubon	1827	314	1314	3488	1589	887	1373	3873	1863	1478	3371	1854	2306	4195	1546	251	2523
Benton	5546	846	3835	10279	4467	2454	3469	10439	5873	4011	9977	4993	5566	10678	4223	948	5329
Black Hawk	29651	3623	19322	53109	29584	10182	21398	61550	31657	24112	56171	31467	32262	64233	27443	5847	29627
Boone	6446	987	4293	11835	5913	2070	4148	12219	7232	4381	11686	6485	5746	12277	5126	1081	5732
Bremer	5023	862	4213	10172	4774	2338	4482	11714	4961	5079	10099	4084	6895	11055	3527	970	6706
Buchanan	4997	836	3043	8951	4166	2126	3313	9654	4778	3495	8321	4129	4965	9152	3605	689	5041
Buena Vista	3420	831	3636	7965	3374	1955	3863	9257	4580	4170	8825	4109	5193	9405	3468	771	5272
Butler	3061	489	3036	6631	2548	1333	3209	7137	2593	3523	6146	2323	4570	6924	1990	392	4730
Calhoun	2193	462	2077	4779	2140	946	2169	5274	2990	2474	5505	2541	3311	5898	2150	407	3633
Carroll	4333	998	3392	8790	3800	2192	3439	9475	5437	3701	9273	4960	5021	10077	3885	736	5017
Cass	2616	809	3384	6865	2231	1608	3176	7058	2934	3962	6968	2417	5053	7531	2176	475	5391
Cedar	3856	756	2966	7676	3296	1945	2965	8240	4032	3373	7479	3086	4617	7748	2589	697	4398
Cerro Gordo	11943	1689	7427	21227	11415	4498	8250	24293	12857	9358	22365	11570	11214	22950	9363	2024	11189
Cherokee	2853	834	2629	6370	2590	1503	2768	6893	3574	3218	6855	3349	4046	7470	2719	599	4087
Chickasaw	3355	759	2191	6360	2913	1566	2129	6640	3530	2549	6136	3186	3661	6917	2935	500	3929
Clarke	2053	440	1401	3923	1921	899	1417	4260	2262	1631	3934	2030	2262	4321	1614	310	2417
Clay	3659	802	3129	7655	3346	1964	3011	8380	4173	3641	7870	3774	4450	8316	3179	991	4479
Clayton	4284	912	2944	8194	3742	2309	3044	9190	4320	3839	8242	3446	5029	8553	3297	669	5115
Clinton	11481	2300	7624	21595	11683	4414	8746	24960	12549	10243	23002	11240	13914	25404	9698	2140	13025
Crawford	3140	847	2686	6715	3004	1905	2693	7672	3868	3375	7311	3396	4552	8053	2500	509	4883
Dallas	8017	1198	6647	16010	6554	2665	5587	14861	7501	4858	12419	6564	6080	12707	5310	1200	6296
Davis	1894	382	1445	3759	1962	718	1344	4041	2246	1563	3849	2187	1956	4182	1689	200	2003
Decatur	1846	452	1287	3623	1866	786	1316	3986	2192	1406	3627	2098	2104	4242	2048	318	2212
Delaware	3704	679	3065	7497	3093	2144	3195	8492	3947	3425	7432	3158	4769	8001	2671	727	4316
Des Moines	10761	1792	5778	18574	11309	3386	6378	21190	11593	7652	19374	11173	9559	20850	9977	1041	9158
Dickinson	3562	901	3129	7646	3106	1974	3196	8304	3342	3678	7101	3025	4064	7170	2620	687	4028
Dubuque	20839	3304	13391	38051	20539	8208	14007	42968	23797	14530	38547	21876	19239	41491	18689	3708	18649
Emmet	2270	470	1641	4411	2239	1010	1749	5032	2778	2173	4977	2746	2946	5725	2153	446	3062
Fayette	4832	890	3848	9624	4412	2493	3879	10861	5304	4921	10287	4677	6505	11302	4377	647	6374

Table 1. Votes for Selected Candidates for U.S. President in Iowa Counties, 1980-1996 (continued).

County	1996				1992				1988			1984			1980		
	Dem	Ind	Rep	Total	Dem	Ind	Rep	Total	Dem	Rep	Total	Dem	Rep	Total	Dem	Ind	Rep
Floyd	3769	689	2379	6887	3688	1611	2404	7750	4377	3266	7733	4154	4341	8553	3634	728	4665
Franklin	2232	417	2054	4733	2049	1045	2137	5266	2594	2320	4951	2349	3129	5545	1920	406	3290
Fremont	1481	480	1576	3562	1422	1003	1459	3911	1547	1946	3527	1426	2686	4147	1203	191	2693
Greene	2519	396	1861	4799	2422	956	1952	5353	3011	2091	5164	2831	2579	5554	2210	510	3154
Grundy	2322	401	2928	5687	1895	1069	3160	6156	2211	3433	5682	1915	4527	6518	1869	440	4644
Guthrie	2552	515	2034	5140	2234	1216	1962	5453	2910	2005	4983	2517	2783	5363	1866	384	3214
Hamilton	3455	661	3109	7277	3262	1348	3031	7681	4156	3277	7494	3330	4279	7695	2741	679	4745
Hancock	2399	529	2353	5309	2175	1170	2428	5806	2831	2731	5593	2539	3362	5938	1918	462	3681
Hardin	4053	713	3505	8324	3792	1547	3590	8979	5088	3856	9001	4477	5195	9732	3757	730	5329
Harrison	2576	820	3070	6527	2349	1691	2763	6868	2883	3108	6027	2495	4352	6882	2152	311	4502
Henry	3798	914	3478	8275	3544	1522	3435	8628	3754	3951	7758	3377	4516	7955	3317	629	4430
Howard	2303	555	1528	4405	2099	1193	1516	4862	2330	1970	4325	2135	2718	4898	2214	336	2975
Humboldt	2080	590	2236	4933	1765	1093	2299	5185	2713	2594	5357	2406	3396	5863	1840	394	3575
Ida	1589	436	1684	3732	1449	1061	1714	4239	1787	1951	3779	1559	2618	4202	1235	254	2825
Iowa	3354	575	3042	7035	2560	1709	2656	6965	3338	3247	6685	2815	4352	7251	2606	667	4153
Jackson	4609	936	2827	8461	4421	2096	2673	9305	4864	3237	8233	4400	4811	9340	3518	622	4479
Jasper	8776	1263	6414	16585	8120	2972	6866	18012	8940	6703	15733	8023	8576	16699	7258	1221	8286
Jefferson	2597	571	2541	7397	2562	1241	2541	8341	3594	3614	7296	2961	4727	7725	2577	505	4099
Johnson	27888	2313	13402	45732	28656	8625	14041	51774	28759	15453	44647	26000	18677	45044	20122	8101	13642
Jones	4668	765	3083	8581	3508	2306	3071	8900	4641	3496	8185	3825	4907	8791	3521	759	4506
Keokuk	2545	432	2080	5101	2329	1238	1981	5577	2899	2278	5230	2649	2913	5656	2390	369	3145
Kossuth	4031	932	3477	8505	3660	1906	3464	9059	5088	3938	9107	4838	4872	9814	3810	775	5568
Lee	8831	1734	4932	15662	9366	2920	4777	17152	10911	6228	17290	8912	8756	17809	8204	1047	8793
Linn	45497	5607	30958	83035	38567	19643	30215	88885	42993	33129	76718	38528	41061	80315	31950	8773	36254
Louisa	2081	590	1565	4275	2091	1044	1691	4844	2268	2060	4380	1927	2623	4573	1700	291	2530
Lucas	2168	433	1586	4209	2072	848	1734	4674	2454	1776	4243	2422	2630	5085	1989	291	2593
Lyon	1489	422	3396	5352	1331	1068	3272	5726	1706	3517	5264	1401	4178	5642	1431	375	4349
Madison	3070	654	2550	6327	2525	1168	2421	6149	3421	2410	5862	3067	3168	6261	2496	505	3320
Mahaska	3737	656	4473	8941	3714	1508	4953	10247	4451	4798	9320	4107	6086	10293	3968	603	5650
Marion	5978	871	6100	13052	5531	1896	6062	13533	6922	5914	12954	6313	7259	13634	5490	1232	6665
Marshall	8669	1455	7017	17324	8303	3100	6784	18289	9760	7657	17549	8809	10839	19840	7114	1541	10707
Mills	2068	683	2958	5772	1798	1638	2699	6166	2092	3212	5369	1434	3994	5486	1244	281	3581
Mitchell	2596	563	1877	5071	2177	1199	1933	5347	2870	2338	5251	2531	3144	5743	2040	361	3401

Table 1. Votes for Selected Candidates for U.S. President in Iowa Counties, 1980-1996 (continued).

County	1996				1992				1988			1984			1980		
	Dem	Ind	Rep	Total	Dem	Ind	Rep	Total	Dem	Rep	Total	Dem	Rep	Total	Dem	Ind	Rep
Monona	1952	580	1674	4238	1939	1231	1660	4849	2408	2068	4491	2159	2746	4959	1660	275	3268
Monroe	1884	329	1272	3513	1829	612	1323	3782	2338	1313	3667	2342	1927	4291	1866	216	2003
Montgomery	1912	663	2583	5198	1599	1341	2404	5369	1898	3166	5100	1661	4224	5930	1556	301	4115
Muscatine	7674	1705	5858	15386	7089	3583	6087	16864	7059	6904	14102	5986	9069	15168	5597	1522	7829
O'Brien	2236	578	3877	6735	2122	1557	3869	7578	2768	4241	7072	2479	5008	7569	2210	536	4937
Osceola	1010	274	1736	3051	990	813	1756	3600	1277	1951	3264	1146	2285	3463	1051	234	2177
Page	2220	753	4032	7043	1951	1669	3670	7310	2185	4583	6803	1914	5876	7828	1772	356	5618
Palo Alto	2371	477	1817	4703	2374	1186	1789	5379	3377	2041	5463	3018	2715	5810	2463	412	3025
Plymouth	3745	997	5117	9956	3171	2039	5196	10484	4220	5316	9607	3464	6482	10027	2965	756	6515
Pocahontas	1981	478	1707	4215	1919	942	1743	4669	2722	1871	4652	2481	2627	5188	1959	397	3194
Polk	83877	9516	60884	156106	78585	24155	63708	167258	84476	57854	143144	75413	71413	147848	61984	15819	64156
Pottawattamie	13276	3534	15648	32821	13228	8035	15671	37115	14958	17193	32405	12329	21527	34112	10709	1870	20222
Poweshiek	4183	681	3221	8214	4056	1680	3245	9047	4876	3683	8625	4103	4715	8889	3529	821	4598
Ringgold	1439	310	967	2740	1341	551	967	2869	1609	1110	2731	1593	1512	3117	1150	195	1884
Sac	2170	579	2209	4997	1896	1157	2138	5215	2613	2411	5077	2363	3298	5729	1976	467	3725
Scott	32694	4991	26751	65202	33765	11423	28844	74662	34415	31025	66035	32550	38034	71212	26391	5760	34701
Shelby	2176	652	3056	5941	2094	1614	2809	6544	2806	3019	5860	2291	4200	6537	1892	372	4147
Sioux	2392	718	10864	14110	2226	1771	10637	14730	2923	10270	13288	2585	11665	14293	2698	610	10768
Story	17234	2091	12468	32695	17118	6275	12702	36311	19051	13782	33105	18277	19804	38410	13529	7252	15829
Tama	3994	713	2986	7752	3573	1748	2948	8330	4584	3362	8012	4061	4882	8990	3049	593	4840
Taylor	1458	379	1419	3276	1430	910	1200	3551	1671	1647	3332	1499	2496	4022	1226	240	2715
Union	2787	660	2156	5657	2565	1280	2224	6102	3236	2751	6041	2875	3583	6576	2182	368	3372
Van Buren	1536	347	1460	3375	1464	811	1418	3710	1612	1692	3334	1606	2138	3769	1311	183	2142
Wapello	8437	1376	4828	14770	8670	2513	4852	16083	10177	5350	15673	10545	7098	17800	8923	1050	7475
Warren	9120	1267	6905	17472	8612	3217	7242	19157	9627	6424	16131	8171	8277	16570	6610	1369	7360
Washington	3828	636	3600	8173	3384	1994	3576	9018	3776	3741	7616	3079	4613	7770	2877	703	3967
Wayne	1650	310	1295	3267	1632	642	1299	3584	1988	1467	3477	1927	2061	4021	1627	218	2221
Webster	8380	1580	6275	16328	8562	3272	6992	18921	10267	6926	17393	9930	9619	19802	9001	1386	10438
Winnebago	2679	590	2211	5521	2322	1329	2407	6078	2804	2863	5703	2669	3616	6314	2208	417	3808
Winneshiek	4122	973	3532	8770	3791	2416	3331	9624	4443	4194	8725	3724	5277	9105	3201	938	5033
Woodbury	17224	3436	16368	37464	17398	7182	18148	42864	20153	18790	39225	18951	23002	42350	15930	3184	23553
Worth	2293	403	1284	4012	2009	1044	1382	4448	2440	1488	3982	2263	1985	4266	1721	301	2247
Wright	2912	536	2473	5959	2776	1151	2708	6665	3353	2658	6054	2980	3675	6705	2645	497	3936
State of Iowa	620258	105159	492644	1234075	586353	253468	504891	1354607	670557	545355	1225614	605620	703088	1319805	508672	115637	676026

Table 2. Votes for Selected Candidates for U.S. Senator in Iowa Counties, 1980-1996.

County	1996		1992		1990		1986		1984		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Adair	1749	2165	875	2741	2139	1562	1064	2484	2745	1777	1742	2786
Adams	1028	1229	569	1798	1031	921	541	1648	1577	1283	1023	1755
Allamakee	2595	3082	1273	4370	2048	3207	1367	3666	2460	3611	2109	4254
Appanoose	2727	2535	1790	3573	2616	1943	1561	2926	3651	2884	2811	3550
Audubon	1637	1678	824	2364	1814	1513	899	1893	2411	1660	1623	2500
Benton	5797	4393	2416	8073	4381	3675	2428	4944	5603	4595	4374	5977
Black Hawk	30770	21283	16958	38192	23205	19577	16004	27005	35210	27319	28415	34008
Boone	6774	4956	3338	8268	6109	3392	3261	5438	7917	4239	5832	5647
Bremer	5258	4775	2263	8819	4071	4051	2111	5905	4956	5603	3301	7822
Buchanan	5214	3583	2075	7329	3591	3694	2167	4821	4910	4187	3682	5340
Buena Vista	3450	4346	1628	6366	3523	3622	1958	4949	4999	3960	4031	5158
Butler	2998	3370	1322	5486	2026	3045	1167	3900	2740	4019	1676	5422
Calhoun	2154	2605	1175	4051	2183	2034	1241	3096	3196	2545	2359	3716
Carroll	3859	4824	2228	7049	3401	3831	2368	4399	6199	3533	4029	5059
Cass	2666	4086	1471	5588	2737	3303	1302	3837	3253	3969	2312	5242
Cedar	4018	3442	1831	6079	2977	3100	1329	3598	3714	3817	2941	4561
Cerro Gordo	11715	9186	5818	15405	8841	8717	5341	11905	12330	9909	9677	12444
Cherokee	2850	3427	1289	5692	2958	2697	1992	3888	4137	2984	3003	4131
Chickasaw	3461	2778	1323	5094	2725	2464	1671	3568	3692	2993	2580	4692
Clarke	1972	1896	1179	2875	2262	1212	1044	2254	2669	1584	1913	2329
Clay	3348	3880	1772	5034	3160	2778	1943	3957	4668	3287	3697	4481
Clayton	4357	3441	1659	5944	3218	3914	1742	4749	3943	4294	3834	5132
Clinton	11381	9308	6760	14203	8586	9398	5195	11181	13352	11420	11422	12796
Crawford	2990	3400	1240	4800	2807	2733	1679	3652	4429	3221	2490	4901
Dallas	8397	7450	4006	10209	6754	3967	3953	5665	8115	4558	6522	6084
Davis	2017	1669	1225	2586	1942	1118	1142	1711	2394	1622	1784	2035
Decatur	1775	1813	1051	2694	1909	1024	939	2198	2697	1473	2179	2287
Delaware	3754	3396	1420	5888	2474	3966	1314	3609	3850	3855	2905	4613
Des Moines	10727	6970	7387	10261	9125	6149	5560	7161	12255	8058	10251	9286
Dickinson	3546	3957	1593	5477	2779	2969	1770	3939	3661	3196	2997	3864
Dubuque	21190	15954	12713	28334	13939	17964	10755	15457	23615	16064	20877	19172
Emmet	2248	2069	1399	3567	1914	1977	1241	2412	2923	2515	2431	2863
Fayette	4997	4373	2455	7063	4112	4861	2390	5533	5604	5326	4642	6702
Floyd	3708	2959	1684	5542	3108	2928	1987	4014	4422	3987	3590	5246
Franklin	2274	2367	896	3886	2165	2094	1001	3174	2765	2569	1654	3888
Fremont	1247	2291	954	2777	1386	1859	780	2135	1906	2090	1224	2611
Greene	2463	2294	1266	3830	2744	1706	1391	2939	3673	2020	2535	3070
Grundy	2379	3167	895	4708	1916	2803	986	3482	2366	3942	1592	5309
Guthrie	2518	2559	1316	3656	2496	1605	1374	2486	3240	2006	2228	3070
Hamilton	3639	3569	1912	5805	3420	2648	1722	3887	4190	3385	2814	5218
Hancock	2301	2921	921	4762	2706	1918	1169	3361	2736	3019	1879	4044
Hardin	4068	4199	2182	6856	4328	3364	2371	5270	5290	4220	3626	5822
Harrison	2828	3567	1703	4371	2100	2437	1448	3424	3553	3170	2255	4478
Henry	4111	3903	2111	6390	3360	3040	1685	4096	3924	3740	3515	4598
Howard	2192	2142	985	3727	1850	2117	1179	3047	2479	2504	1778	3742
Humboldt	2275	2613	986	4191	2210	2142	1056	3154	2968	2631	2198	3469
Ida	1448	2095	593	2840	1587	1524	875	2298	2085	1942	1365	2765
Iowa	3601	3349	1298	5769	2918	2758	1208	3789	3317	3669	2775	4476
Jackson	4628	3468	2152	6041	3309	3982	1831	4404	4971	3898	3806	4515
Jasper	8908	7489	5345	12115	8386	5288	4532	7762	9264	7083	7902	8496



Table 2. Votes for Selected Candidates for U.S. Senator in Iowa Counties, 1980-1996 (continued).

County	1996		1992		1990		1986		1984		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Jefferson	2880	2841	1464	4404	2962	2682	1247	2964	3726	3515	2743	4200
Johnson	30208	14140	19494	29663	22027	10420	10353	15815	30549	13576	28412	13311
Jones	4905	3516	1855	6806	3300	3647	1790	4303	4390	4154	3899	4784
Keokuk	2570	2321	1130	3541	2436	1942	1312	2584	3092	2334	2378	3324
Kossuth	4027	4307	1806	6889	3251	4067	2214	4593	5363	4025	3784	5848
Lee	9622	5672	7812	9204	7697	5301	6414	6938	10038	7331	8990	8297
Linn	48101	33806	24077	61450	33212	30193	17413	33559	43720	35447	40460	35829
Louisa	2102	2131	1199	3483	2027	1733	836	2345	2266	2204	1769	2697
Lucas	1948	1919	1156	3253	2231	1336	1167	2353	2858	2039	2089	2668
Lyon	1370	3669	710	4195	1204	2846	758	2946	1634	3784	1487	4303
Madison	3159	3095	1675	4450	1893	3259	1795	2909	3889	2253	2838	3140
Mahaska	3717	5085	2059	6946	3499	4086	1680	5255	4993	5006	4259	5696
Marion	5905	6943	3567	9241	6015	4773	3382	5720	7475	5755	6106	6764
Marshall	9163	7995	5295	13087	8628	6174	5918	8250	10568	8603	7492	11560
Mills	2083	3544	1140	3811	1560	2282	780	2565	2066	3162	1295	3533
Mitchell	2505	2472	1094	4384	1945	2460	1246	3135	2640	2929	1816	3903
Monona	1987	2183	976	3329	1832	1544	1136	2571	2709	2057	1801	3098
Monroe	1894	1589	1075	2707	1988	1243	1168	1785	2636	1509	2013	1942
Montgomery	1673	3382	1124	4230	1528	2424	819	2933	2316	3350	1510	4087
Muscatine	7920	7154	4066	10128	5646	5565	2157	5890	7302	7509	6290	8110
O'Brien	2070	4541	1018	6177	2140	3424	1492	4120	3304	3962	2443	4794
Osceola	958	2021	469	2596	989	1539	661	1899	1412	1837	1217	2034
Page	1796	5167	1227	5978	1799	3409	933	4161	2831	4707	1947	5423
Palo Alto	2293	2156	1058	3283	2128	1982	1594	2525	3343	2155	2650	2814
Plymouth	3366	6099	1570	6969	3106	4100	2168	5366	4667	4905	3243	6358
Pocahontas	1943	2188	878	3733	1866	1782	1053	2734	3022	1967	2313	3090
Polk	87653	68099	50318	110972	75892	43289	39305	59165	88793	55329	78300	59965
Pottawattamie	14551	17144	10278	21343	11486	11472	6262	13045	16161	16975	12150	18921
Poweshiek	4288	3727	2453	5552	4077	2707	2135	4384	4955	3654	4213	4615
Ringgold	1320	1397	609	2180	1581	942	694	1542	1991	1093	1217	1921
Sac	2064	2846	936	4338	1968	2088	1076	3023	3066	2480	2145	3627
Scott	32857	29636	20354	43640	24704	22023	13054	29125	37922	31381	31228	33653
Shelby	2168	3509	1183	3953	1939	2877	1107	3181	3198	3240	1940	4220
Sioux	2259	11358	1051	12253	2164	8568	1521	8546	3540	10065	2794	10691
Story	18216	13878	10869	22953	16068	9198	7740	15221	22615	14913	20191	15848
Tama	4175	3439	1841	6496	3642	2909	2273	4228	4838	3885	3182	5637
Taylor	1199	1863	704	2526	1708	1338	675	1857	2104	1812	1283	2620
Union	2680	2788	1436	3882	2908	1895	1602	3145	3722	2635	2389	3237
Van Buren	1557	1662	927	2316	1465	1440	915	2016	1882	1786	1364	2183
Wapello	8584	6006	6674	9679	8147	4013	5630	5593	11628	5669	9530	7242
Warren	9151	8043	5228	11537	8865	4822	4550	6944	10331	5871	7834	7200
Washington	4016	3928	1969	6368	3107	3037	1422	3780	3803	3741	3120	4192
Wayne	1467	1613	1001	2359	1901	961	925	2164	2486	1410	1604	2216
Webster	8551	7674	5045	11443	8165	5731	4859	7739	11850	7100	10128	9673
Winnebago	2712	2675	1063	3519	2160	2809	1271	3626	2782	3285	2311	3941
Winneshiek	4331	4226	2187	7381	3564	3710	1514	4410	4541	4244	3420	5478
Woodbury	17334	19343	10575	30415	15595	14486	9947	20226	23016	17632	18484	22093
Worth	2170	1724	890	3408	1660	1826	965	2472	2261	1881	1723	2472
Wright	2691	3022	1452	4773	2550	2328	1444	3160	3565	2990	2551	4426
State of Iowa	634166	571807	351561	899761	529571	453273	299406	588880	716883	564381	580545	683104

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa Counties, 1980-1996.

County	1996		1994		1992		1990		1988		1986		1984		1982		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Adair	1922	1995	1332	2319	2026	1366	1062	2590	1358	2548	1431	2126	1887	2591	2431	1577	2878	1695
Adams	1450	798	683	1377	921	1511	532	1382	664	1587	803	1438	1082	1832	1415	985	1783	1163
Allamakee	2017	3680	1584	3375	2238	4128	1947	3095	2001	3857	1545	3500	1615	4455	1589	3576	1875	4393
Appanoose	2432	2533	1684	2660	2775	2774	0	2379	1953	3469	1507	2703	2000	3953	2392	2749	3064	3285
Audubon	1694	1596	1193	1577	1868	1102	888	2130	1161	2037	1222	1587	2068	1965	2043	1470	2544	1643
Benton	4391	5723	3633	4616	5220	5531	4175	0	6371	3278	4321	2823	3896	6229	3574	5080	3176	6342
Black Hawk	26656	25176	22163	21093	33313	26690	23972	0	34851	20060	23548	19370	25291	36695	25906	30310	33043	28786
Boone	4747	6340	4902	4546	0	7349	5529	0	8055	2793	5858	2675	7288	4305	5866	3115	7851	3611
Bremer	4212	5839	3535	4807	5364	5888	3879	0	5457	4265	3683	4168	3389	7171	2988	6077	4492	6396
Buchanan	3952	4942	2978	4363	4273	5358	3450	3719	3591	4583	2918	4127	3134	6145	3045	4617	4479	4610
Buena Vista	2454	5255	2551	3886	0	7214	1798	5340	3125	5638	3453	3569	6278	2895	5394	1759	6386	3005
Butler	2197	3954	1875	3288	2910	4037	2050	0	2986	2976	1943	2953	1738	4993	1688	4260	2378	4612
Calhoun	1532	3076	1737	2455	0	4493	1177	2653	1985	3197	1765	2406	3332	2362	2473	1836	3990	1946
Carroll	3283	4925	3053	4492	0	7311	2007	4410	3715	4789	3304	3503	6343	3308	4773	2744	6178	2912
Cass	2725	4004	1787	3825	3396	3456	1339	4659	1954	4656	1633	3520	2510	4703	2867	3061	4045	3752
Cedar	3220	4237	2678	3570	1964	5964	3031	2918	2689	4734	1658	3303	2027	5661	2158	4232	2357	4999
Cerro Gordo	9439	11572	7248	9339	12070	11018	5375	12147	8690	13391	7890	9553	13839	8166	9969	7663	11973	10121
Cherokee	2114	4032	2240	2830	0	6154	1751	3953	2644	4154	3584	2463	5076	2248	4253	1415	5076	2231
Chickasaw	2927	3311	3062	2660	3847	2743	3888	0	3757	2024	2720	2490	2504	3967	2449	3445	3350	3177
Clarke	2090	1713	1232	2059	1778	2172	1189	2236	1254	2724	1367	1950	2254	1834	2412	1189	2874	1416
Clay	2552	4380	2411	3371	0	6194	1834	4162	3066	4708	3177	2979	5755	2350	4878	1725	5990	2502
Clayton	3328	4506	2394	4546	3615	5183	3204	3691	3387	4738	2198	4311	2205	6008	2613	4841	3281	5459
Clinton	8416	10566	5588	9867	7576	14166	9101	7634	10092	12477	5704	10838	8681	15998	7455	11356	8901	14823
Crawford	1727	3817	2111	2844	0	4650	1591	3398	2253	4444	2384	2916	4001	3527	3356	2281	4480	2886
Dallas	7565	8188	5868	6625	9298	4861	7841	0	8952	3453	6538	3103	7826	4903	6767	3841	8497	4019
Davis	1857	1693	1270	1719	1943	1835	0	1165	1323	1956	1133	1514	1442	2181	1579	1646	1956	1778
Decatur	2398	1174	1093	1850	1633	2026	948	1926	1149	2487	1334	1853	2204	1826	2463	1066	3151	1248
Delaware	3262	3864	1806	4501	2832	5488	2377	4099	2646	4656	1734	3250	2267	5551	1913	4011	2747	4705
Des Moines	9992	6767	6774	6971	11248	8165	0	8650	8238	10284	4696	7992	7737	12203	7076	7656	7110	12211
Dickinson	2554	4811	2511	3280	0	6151	1697	4028	2503	4426	3159	2928	5024	2112	4047	1547	5381	1959
Dubuque	20591	16796	12370	16320	20993	20971	15470	15952	17632	20582	11284	16026	17555	22779	13392	19072	16790	22834
Emmet	1736	2544	1658	2008	0	4255	1225	2560	1785	3011	2054	1705	3943	1623	2998	1207	4071	1414
Fayette	3798	5574	3162	5107	4515	5983	3916	4796	3712	6244	2794	5121	3384	7536	3316	6156	4262	6830

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa Counties, 1980-1996 (continued).

County	1996		1994		1992		1990		1988		1986		1984		1982		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Floyd	3008	3577	2843	2975	4275	3303	4169	0	4709	2760	2925	2946	3347	4948	3289	3844	4622	4175
Franklin	1142	3459	1159	2907	0	3924	948	3084	1564	3223	1761	2332	2875	2130	2041	1964	2520	2901
Fremont	1290	2175	1102	1643	2153	1447	673	2582	819	2628	854	2285	1208	2874	1638	1431	1895	2044
Greene	1719	2853	1877	2200	0	4117	1469	2866	1931	2927	1949	2283	3175	2442	2949	1635	3656	1938
Grundy	1778	3674	1475	3145	2209	3723	1778	0	2568	2946	1706	2672	1111	5282	1171	4818	1650	5161
Guthrie	2505	2552	1857	2534	2554	1846	1309	2443	1920	2737	1671	2075	2708	2501	2727	1496	3362	1916
Hamilton	2403	4507	2668	3517	0	6106	3021	0	4554	2249	3323	1919	4060	3256	3455	2459	3659	4103
Hancock	1492	3607	1370	3241	0	4985	948	3696	1753	3693	2064	2438	3082	2587	2379	2052	2498	3286
Hardin	2745	5224	2983	4288	0	7452	2138	5488	2912	5514	3303	4110	5211	3433	3803	3214	4252	4575
Harrison	2552	3763	2112	3026	3339	2490	1267	3131	1610	4039	1782	3179	2932	3645	2956	2471	3779	3013
Henry	3010	4642	2519	3847	4002	4325	0	5235	2142	5485	1695	4091	1893	5091	1912	4352	2263	5287
Howard	1996	2352	1784	2006	2538	2320	2951	0	2888	1579	2085	2129	1765	3256	1705	2724	2434	2748
Humboldt	1422	3262	1565	2536	0	4568	911	3214	1570	3600	1845	2297	3552	1905	2793	1454	3509	2079
Ida	930	2340	1237	1568	0	3203	817	2252	1282	2453	1769	1517	2675	1409	1980	1166	2591	1651
Iowa	2567	4370	2169	3394	3120	4095	2723	0	3792	2572	2301	2435	2284	4532	2215	3728	2265	4655
Jackson	3534	3982	2589	3671	4204	4169	3968	2960	4075	3936	3021	3482	3513	5369	2604	4557	2904	5240
Jasper	8209	7767	6124	8006	8331	8576	10124	0	11432	4456	8374	3940	9800	6438	8693	4807	8279	8176
Jefferson	2006	3034	2065	3094	2616	3236	0	4618	1867	5171	1212	2955	1689	5520	1535	3662	1847	5105
Johnson	24042	20052	15379	17148	16479	32332	24682	0	29795	14361	17184	9024	22002	22662	19221	13380	18061	21902
Jones	3929	4369	2575	4069	2464	5947	3542	3166	3548	4527	2603	3576	3059	5616	2905	4471	3525	4923
Keokuk	1982	2418	1463	2572	2312	2540	0	2185	1757	3155	1306	2346	1609	3476	1552	2665	2952	2604
Kossuth	2802	5395	2874	4253	0	7523	1694	5275	3188	5561	4361	2621	6535	2790	5125	2103	6832	2881
Lee	8840	5947	6213	5175	10201	6600	0	6430	8069	8278	6040	7257	6783	9738	6333	6287	7173	9834
Linn	40918	40110	24727	35635	29122	55215	31002	30620	33065	43209	20444	31174	29895	51775	28549	32589	37651	37647
Louisa	1573	2637	899	2198	1250	3535	0	3104	1313	2989	803	2372	1073	3345	1180	2393	1181	3201
Lucas	1951	1766	1351	2096	2056	2207	0	2117	1488	2151	1173	2163	1416	2831	1697	2166	2412	2353
Lyon	841	3821	745	2779	0	4520	825	3149	1158	3961	1669	2116	2275	3182	1584	2139	2810	2889
Madison	3115	3137	2285	2915	3868	2247	1666	2915	2346	3241	2047	2419	3420	2658	3566	1757	4227	1980
Mahaska	3172	5336	2025	4683	3533	5778	0	4190	2584	5864	1669	4646	2661	6585	2939	4606	4664	5251
Marion	5491	6990	3375	6640	5420	7232	3582	6138	5069	7160	3910	4975	7251	5647	5795	3547	6461	6259
Marshall	7640	8923	6543	8354	9084	8576	10806	0	10688	6096	7550	6139	6908	11533	7091	8602	9088	9481
Mills	1983	3560	1314	2758	2594	2096	799	2981	1129	3934	934	2573	1441	3845	1672	1956	1992	2959
Mitchell	1980	3019	1674	2523	2661	2827	2106	0	3028	1921	1810	2360	1646	3623	1791	2914	2354	3325

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa Counties, 1980-1996 (continued).

County	1996		1994		1992		1990		1988		1986		1984		1982		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Monona	1458	2557	1434	1804	0	3394	1177	2128	1642	2711	2045	1866	3267	1579	2728	1171	3143	1902
Monroe	1787	1543	1002	1552	1736	1848	0	1506	1641	1536	1152	1655	1504	2095	1499	1720	2023	1934
Montgomery	1554	3412	1306	2597	2526	2700	779	3125	1098	3853	983	2873	1457	4305	1834	2274	2457	3398
Muscatine	5622	9393	3402	7165	3843	11188	0	7490	4835	8549	2018	5903	3842	10669	3300	6919	4483	9713
O'Brien	1606	4889	1381	3863	0	6362	1378	4206	2089	4870	2924	2870	4191	3135	3311	2135	4477	3032
Osceola	604	2306	557	1632	0	2679	1300	1323	905	2296	1368	1326	1932	1449	1541	1223	2118	1271
Page	3027	3761	990	4338	1841	5518	897	4247	1145	5754	968	4313	1749	5925	2175	3048	3019	4505
Palo Alto	1786	2397	1684	2056	0	3332	1360	2655	2264	3043	2515	1731	4064	1523	3684	1005	4262	1417
Plymouth	2431	6519	2306	4574	0	7989	2016	5175	3274	6116	4645	3306	5942	3853	4611	2548	6284	3758
Pocahontas	1271	2759	1339	2022	0	4090	945	2616	1838	2745	2031	1929	3617	1274	2823	1063	3865	1546
Polk	77721	77070	69243	64674	106735	53478	87242	0	102974	39339	68868	29887	88305	53651	76431	37053	76506	61662
Pottawattamie	13227	18489	7844	14335	15355	14736	7070	14849	11301	19535	8418	11684	14272	18623	12053	10521	15973	15909
Poweshiek	3073	4760	2672	3743	3846	4265	3725	0	5476	2709	3552	2691	3178	5150	3326	3956	2999	5356
Ringgold	1809	898	762	1576	1027	1717	660	1751	705	1730	921	1376	1524	1523	1675	1022	1890	1105
Sac	1403	3409	1610	2445	0	4706	977	2807	1577	3127	1386	2587	2576	2837	2283	2040	3864	2060
Scott	23875	37878	14213	30796	18902	49695	0	30556	23441	39982	11284	30903	20877	47578	18258	31558	18810	42407
Shelby	1937	3478	1581	3107	2898	2220	1096	3432	1745	3851	1607	2725	2731	3665	2662	2412	3473	2788
Sioux	1734	11516	1366	9376	0	12370	1300	9311	2332	10697	3655	6674	4510	9418	4143	5043	5998	7620
Story	15931	14909	11722	12707	17362	15460	14055	0	21098	9766	14310	8117	19643	16164	17637	9259	23858	11603
Tama	3275	4230	3369	3393	4603	3887	3826	0	5254	2550	3839	2588	3127	5550	2897	4482	3860	4716
Taylor	1749	1203	695	1695	1155	2199	741	2282	749	2495	867	1859	1291	2729	1703	1471	2175	1702
Union	3235	2144	1728	3348	2356	3303	1561	3010	1997	3732	2192	2569	3371	2930	3228	1887	3723	2038
Van Buren	1292	1753	978	1797	1537	1803	0	1914	1096	2210	1362	1629	908	2582	940	1925	1054	2437
Wapello	8192	5938	5309	6013	8819	7157	0	4670	7507	6695	5564	5033	8066	7822	7862	5405	9579	7033
Warren	8626	7881	5820	8165	8470	9045	5871	6697	7152	8165	5422	5886	9589	6557	8746	3685	4790	10074
Washington	3085	4140	2233	4062	3416	4322	0	3833	2026	4972	1371	3645	1793	5513	1680	3856	2180	4899
Wayne	1588	1464	985	1763	1535	1741	907	1863	1174	1975	1285	1777	2108	1686	2178	1187	2541	1325
Webster	6655	9087	6396	6913	0	10916	4965	7475	7639	8409	6113	6288	12951	6292	8800	5153	13726	5559
Winnebago	1635	3713	1385	3195	0	3829	1144	3742	1828	3663	2205	2726	3193	2427	2644	2222	3059	2980
Winneshiek	3374	5223	2938	4267	4529	5429	3517	0	4955	3404	2652	3123	2942	5613	2612	4454	2838	5778
Woodbury	15199	21079	12817	16788	0	32313	10148	19415	16091	22686	15314	16275	27239	13980	22250	8516	26548	15278
Worth	1449	2463	1436	1687	2241	1765	2700	0	2629	1181	1685	1475	1446	2533	1658	1998	2099	1971
Wright	1808	3697	1702	3127	0	4793	1334	3414	2111	3699	2016	2530	3631	2714	2711	2153	2979	3725
State of Iowa	532815	649959	407311	560117	492733	729496	400852	385003	580200	606647	428022	461428	595265	673343	528266	475338	630430	620806

## Registration and Voting by Political Party Affiliation and by Age in Iowa's Counties: 1982-1996

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The Office of the Secretary of State of Iowa analyzes data from elections. In this section, information is provided on voting by political party. The number registered and the number actually voting are reported; dividing the voters by registrants and multiplying by 100 yields the percentage voting. In addition, registrants and percent voting are noted for five age groups. The elections for which data are included are those in which members were selected for federal office. These always include races for the U.S. House of Representatives. In addition, Iowa contests for the U.S. Senate occurred in 1984, 1986, 1990, 1992, and 1996. And elections for President took place in 1984, 1988, 1992, and 1996. The number and level of contests affect voting statistics; presidential contests in particular tend to result in relatively large numbers voting.

### Total Registered, Total Voting, and Percentage Voting in Iowa

The number registered to vote in Iowa was higher in 1996 (1.7 million, Table 1) than any other year from 1982 to 1994 (Tables 2-8). The previous high was 1.6 million in 1984. Registered voters then dropped to a low of 1.5 million in 1990 before increasing to 1992, 1994, and 1996. The number actually voting was highest in 1992, when nearly 1.4 million went to the polls. The 1992 figure was 32,000 higher than the number voting in 1984, which was the next highest. Fewer than 1 million residents voted in 1986, which was the low point. The percentage of those registered who actually voted in Iowa ranged from 59.7 in 1986 to 86.0 in 1992. At least three of every four eligible to vote went to the polls in 1984, 1988, and 1992, all years including presidential elections.

Registered Democrats outnumbered registered Republicans from 1982 through 1992, although this reversed for 1994 and 1996. Those claiming membership in another party or in no party have been substantial throughout the 1982-1996 period; they were greater in number than Republicans (but not Democrats) from 1982 through 1986 and greater than Democrats (but not Republicans) in 1996. But those registered in other parties or none were less likely to vote; in only 1984 and 1992 did at least 75 percent of those in other/no parties vote (Figure 1). At least three-quarters of the Republicans, on the other hand, voted in all but two (1986, 1990) elections. The difference between those with other/no party affiliation and Republicans was at least 20 percentage points in 1982, 1986, 1990, 1994, and 1996. The percentage of Democrats who voted varied from less than 1 (1988, 1992) to nearly 10 (1994) percentage points under that for Republicans.

Voting also varied by age (Tables 9-12). In 1996, for example, 83.7 percent of those 65 years of age or older who were registered cast their ballots, while less than half that percentage of those age 18-24 (39.8%) voted (Figure 2). The highest percentage of registered people who actually voted was in the 50-64 age category in all but one election; in 1988, 88.9 percent of those 65 or older voted as did 87.4 percent of those age 50-64. In both 1984 and 1992, at least 9 of every 10 persons 50-64 years of age who were registered made it to the polls. In no other age group did at least 90 percent vote in any election. At least 75 percent of registered residents 50-64 years old or 65 or older voted in each election except 1986. In only 1984 and 1992 did 3 of every 4 of those 25-34 years of age who were registered vote. In fact, only in 1984 and 1992 did at least half of those 18-24 who were registered actually vote. In 1986, 1988, 1990, and 1994, fewer than a third of those in the youngest age category who were registered cast their ballots.

Table 1. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1996.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	5243	3982	75.9	1419	1157	81.5	2209	1910	86.5	1615	915	56.7
Adams	3029	2320	76.6	980	821	83.8	1140	970	85.1	909	529	58.2
Allamakee	8539	5832	68.3	1621	1173	72.4	4332	3471	80.1	2586	1188	45.9
Appanoose	8048	5646	70.2	3109	2274	73.1	2726	2154	79.0	2213	1218	55.0
Audubon	4621	3464	75.0	1831	1452	79.3	1416	1181	83.4	1374	831	60.5
Benton	14479	10366	71.6	4294	3314	77.2	3983	3266	82.0	6202	3786	61.0
Black Hawk	76117	52951	69.6	25633	18800	73.3	22638	18222	80.5	27846	15929	57.2
Boone	15803	11654	73.7	6306	5129	81.3	4370	3551	81.3	5127	2974	58.0
Bremer	14522	10158	69.9	3269	2440	74.6	4961	3976	80.1	6292	3742	59.5
Buchanan	12338	9084	73.6	4120	3340	81.1	3263	2732	83.7	4955	3012	60.8
Buena Vista	12255	7966	65.0	2908	1988	68.4	4646	3572	76.9	4701	2406	51.2
Butler	9304	6713	72.2	1641	1186	72.3	4963	4097	82.6	2700	1430	53.0
Calhoun	6725	4818	71.6	1709	1302	76.2	2133	1733	81.2	2883	1783	61.8
Carroll	12782	8772	68.6	5466	4238	77.5	2793	2179	78.0	4523	2355	52.1
Cass	9692	6947	71.7	1936	1462	75.5	4921	4002	81.3	2835	1483	52.3
Cedar	10639	7674	72.1	2677	2081	77.7	3439	2839	82.6	4523	2754	60.9
Cerro Gordo	28827	21327	74.0	9807	7674	78.3	8890	7377	83.0	10130	6276	62.0
Cherokee	8682	6391	73.6	2421	1957	80.8	3392	2856	84.2	2869	1578	55.0
Chickasaw	8457	6332	74.9	3222	2695	83.6	2347	1956	83.3	2888	1681	58.2
Clarke	5575	3925	70.4	1902	1462	76.9	1856	1483	79.9	1817	980	53.9
Clay	10524	7657	72.8	2415	1839	76.1	4286	3650	85.2	3823	2168	56.7
Clayton	11692	8223	70.3	3471	2687	77.4	3651	2921	80.0	4570	2615	57.2
Clinton	32441	21230	65.4	9311	6278	67.4	10096	7874	78.0	13034	7078	54.3
Crawford	9727	6761	69.5	3245	2521	77.7	3031	2439	80.5	3451	1801	52.2
Dallas	21251	15946	75.0	6992	5616	80.3	6980	5825	83.5	7279	4505	61.9
Davis	4962	3809	76.8	2364	1936	81.9	1371	1126	82.1	1227	747	60.9
Decatur	5085	3620	71.2	2096	1642	78.3	1595	1299	81.4	1394	679	48.7
Delaware	10556	7527	71.3	2536	1931	76.1	3650	3015	82.6	4370	2581	59.1
Des Moines	26228	18105	69.0	11854	9018	76.1	6550	4951	75.6	7824	4136	52.9
Dickinson	10485	7717	73.6	2742	2199	80.2	3809	3120	81.9	3934	2398	61.0
Dubuque	52858	37864	71.6	23997	18685	77.9	11846	9404	79.4	17015	9775	57.4
Emmet	6632	4447	67.1	2291	1672	73.0	2114	1654	78.2	2227	1121	50.3
Fayette	13148	9743	74.1	3669	2907	79.2	4646	3933	84.7	4833	2903	60.1
Floyd	9871	6713	68.0	3022	2226	73.7	3075	2370	77.1	3774	2117	56.1
Franklin	6516	4791	73.5	1442	1091	75.7	3171	2678	84.5	1903	1022	53.7
Fremont	5291	3631	68.6	1487	1140	76.7	2023	1645	81.3	1781	846	47.5
Greene	6760	4422	65.4	1950	1366	70.1	2714	2051	75.6	2096	1005	47.9
Grundy	7815	5693	72.8	1322	1014	76.7	4020	3284	81.7	2473	1395	56.4
Guthrie	7190	5076	70.6	2102	1599	76.1	2981	2359	79.1	2107	1118	53.1
Hamilton	9748	7090	72.7	2835	2123	74.9	3541	2943	83.1	3372	2024	60.0
Hancock	7388	5283	71.5	1684	1247	74.0	3458	2855	82.6	2246	1181	52.6
Hardin	12074	8414	69.7	3274	2413	73.7	4736	3799	80.2	4064	2202	54.2
Harrison	9321	6390	68.6	3079	2333	75.8	3482	2649	76.1	2760	1408	51.0
Henry	11650	8275	71.0	2475	1802	72.8	5004	4184	83.6	4171	2289	54.9
Howard	5908	4457	75.4	1989	1639	82.4	1712	1452	84.8	2207	1366	61.9
Humboldt	6453	4952	76.7	1517	1270	83.7	2615	2247	85.9	2321	1435	61.8
Ida	5242	3772	72.0	1166	883	75.7	2670	2218	83.1	1406	671	47.7
Iowa	9500	7074	74.5	2385	1931	81.0	3478	2934	84.4	3637	2209	60.7
Jackson	12184	8764	71.9	6013	4788	79.6	2734	2230	81.6	3437	1746	50.8
Jasper	22520	16775	74.5	8834	7100	80.4	6939	5733	82.6	6747	3942	58.4

Table 1. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1996 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	10705	7303	68.2	1906	1286	67.5	5044	4254	84.3	3755	1763	47.0
Johnson	64255	45327	70.5	26759	20592	77.0	14273	10629	74.5	23223	14106	60.7
Jones	11797	8645	73.3	3793	3017	79.5	3682	3084	83.8	4322	2544	58.9
Keokuk	7136	5188	72.7	2769	2177	78.6	2287	1863	81.5	2080	1148	55.2
Kossuth	11386	8622	75.7	4272	3510	82.2	3704	3106	83.9	3410	2006	58.8
Lee	23021	15727	68.3	9266	6811	73.5	4971	3922	78.9	8784	4994	56.9
Linn	111348	82248	73.9	34629	27298	78.8	30840	25629	83.1	45879	29321	63.9
Louisa	6341	4233	66.8	1550	1042	67.2	2786	2191	78.6	2005	1000	49.9
Lucas	5647	4205	74.5	1771	1400	79.1	2188	1855	84.8	1688	950	56.3
Lyon	7587	5353	70.6	1111	791	71.2	4986	3947	79.2	1490	615	41.3
Madison	8315	6321	76.0	2874	2332	81.1	2935	2490	84.8	2506	1499	59.8
Mahaska	12618	9029	71.6	3248	2410	74.2	5585	4573	81.9	3785	2046	54.1
Marion	18859	13217	70.1	6499	4906	75.5	6354	5130	80.7	6006	3181	53.0
Marshall	24700	17257	69.9	8105	5922	73.1	8987	7133	79.4	7608	4202	55.2
Mills	8564	5840	68.2	1747	1192	68.2	4526	3595	79.4	2291	1053	46.0
Mitchell	6862	5114	74.5	1753	1425	81.3	2539	2144	84.4	2570	1545	60.1
Monona	6167	4278	69.4	2125	1590	74.8	1768	1396	79.0	2274	1292	56.8
Monroe	4872	3563	73.1	2110	1667	79.0	1511	1230	81.4	1251	666	53.2
Montgomery	7803	5227	67.0	1317	897	68.1	4312	3309	76.7	2174	1021	47.0
Muscatine	22201	15087	68.0	5087	3369	66.2	9228	7518	81.5	7886	4200	53.3
O'Brien	9476	6670	70.4	1683	1196	71.1	4938	3906	79.1	2855	1568	54.9
Osceola	4338	3090	71.2	794	585	73.7	2540	2047	80.6	1004	458	45.6
Page	9993	7086	70.9	1634	1159	70.9	5149	4264	82.8	3210	1663	51.8
Palo Alto	6411	4719	73.6	2696	2164	80.3	1890	1575	83.3	1825	980	53.7
Plymouth	14012	9870	70.4	2760	1975	71.6	6679	5526	82.7	4573	2369	51.8
Pocahontas	5705	4245	74.4	1611	1288	80.0	1857	1573	84.7	2237	1384	61.9
Polk	210213	155640	74.0	86071	66910	77.7	71195	59005	82.9	52947	29725	56.1
Pottawattamie	49228	32776	66.6	14909	10256	68.8	18894	14471	76.6	15425	8049	52.2
Poweshiek	11267	8189	72.7	3773	2871	76.1	3844	3197	83.2	3650	2121	58.1
Ringgold	3613	2829	78.3	1178	1000	84.9	1614	1392	86.2	821	437	53.2
Sac	7316	4986	68.2	1469	1040	70.8	3204	2587	80.7	2643	1359	51.4
Scott	89036	66399	74.6	25782	19855	77.0	29747	24957	83.9	33507	21587	64.4
Shelby	8684	5966	68.7	3003	2327	77.5	2922	2267	77.6	2759	1372	49.7
Sioux	18616	14032	75.4	1711	1222	71.4	12984	10675	82.2	3921	2135	54.5
Story	50740	32461	64.0	15290	10485	68.6	16189	11627	71.8	19261	10349	53.7
Tama	10737	7687	71.6	3589	2794	77.8	3479	2905	83.5	3669	1988	54.2
Taylor	4486	3336	74.4	1114	862	77.4	2168	1866	86.1	1204	608	50.5
Union	7795	5678	72.8	2342	1851	79.0	2924	2394	81.9	2529	1433	56.7
Van Buren	4643	3420	73.7	1120	831	74.2	2389	2006	84.0	1134	583	51.4
Wapello	22005	14793	67.2	11278	8275	73.4	4471	3490	78.1	6256	3028	48.4
Warren	24509	17603	71.8	9063	7037	77.6	7755	6246	80.5	7691	4320	56.2
Washington	11717	8221	70.2	2510	1831	72.9	5238	4289	81.9	3969	2101	52.9
Wayne	4428	3322	75.0	1529	1202	78.6	1646	1419	86.2	1253	701	55.9
Webster	23866	16321	68.4	9356	6966	74.5	6532	5137	78.6	7978	4218	52.9
Winnebago	7533	5476	72.7	1744	1354	77.6	2678	2190	81.8	3111	1932	62.1
Winneshiek	12599	8857	70.3	2952	2193	74.3	5150	4180	81.2	4497	2484	55.2
Woodbury	52996	37185	70.2	16532	11908	72.0	18256	14729	80.7	18208	10548	57.9
Worth	5096	4012	78.7	1527	1256	82.3	2018	1764	87.4	1551	992	64.0
Wright	8444	6065	71.8	2012	1493	74.2	3845	3176	82.6	2587	1396	54.0
State of Iowa	1726383	1233261	71.4	563553	428661	76.1	587097	476227	81.1	575733	328373	57.0

Table 2. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1994.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	4970	3815	76.8	1384	1094	79.0	2281	1982	86.9	1305	739	56.6
Adams	2858	2220	77.7	983	784	79.8	1178	1017	86.3	697	419	60.1
Allamakee	8021	5199	64.8	1633	1060	64.9	4194	3282	78.3	2194	857	39.1
Appanoose	7388	4644	62.9	3060	1959	64.0	2604	1927	74.0	1724	758	44.0
Audubon	4518	3035	67.2	1935	1333	68.9	1431	1145	80.0	1152	557	48.4
Benton	13011	8536	65.6	4184	2844	68.0	3743	2951	78.8	5084	2741	53.9
Black Hawk	73120	44606	61.0	26412	16548	62.7	23468	17531	74.7	23240	10527	45.3
Boone	14344	9745	67.9	5586	4019	71.9	4542	3610	79.5	4216	2116	50.2
Bremer	13684	8410	61.5	3375	2153	63.8	4926	3657	74.2	5383	2600	48.3
Buchanan	11397	7237	63.5	4084	2805	68.7	3304	2496	75.5	4009	1936	48.3
Buena Vista	11307	6789	60.0	2932	1809	61.7	4546	3391	74.6	3829	1589	41.5
Butler	8501	5229	61.5	1751	1086	62.0	4457	3242	72.7	2293	901	39.3
Calhoun	6414	4405	68.7	1767	1232	69.7	2255	1796	79.6	2392	1377	57.6
Carroll	11857	8056	67.9	5865	4523	77.1	2620	1967	75.1	3372	1566	46.4
Cass	9079	5849	64.4	1886	1190	63.1	5050	3785	75.0	2143	874	40.8
Cedar	9766	6480	66.4	2742	1911	69.7	3328	2602	78.2	3696	1967	53.2
Cerro Gordo	28289	17080	60.4	9361	5834	62.3	9599	7159	74.6	9329	4087	43.8
Cherokee	8117	5271	64.9	2354	1588	67.5	3610	2787	77.2	2153	896	41.6
Chickasaw	7870	5850	74.3	2994	2414	80.6	2337	1973	84.4	2539	1463	57.6
Clarke	5426	3441	63.4	1998	1399	70.0	1837	1427	77.7	1591	615	38.7
Clay	9689	6247	64.5	2436	1609	66.1	4151	3293	79.3	3102	1345	43.4
Clayton	10913	7392	67.7	3439	2526	73.5	3662	2913	79.5	3812	1953	51.2
Clinton	30804	17397	56.5	9701	5546	57.2	10341	7539	72.9	10762	4312	40.1
Crawford	9050	5951	65.8	3416	2493	73.2	2886	2237	77.5	2748	1215	44.2
Dallas	18528	13055	70.5	6804	5005	73.6	6578	5253	79.9	5146	2797	54.4
Davis	4656	3289	70.6	2248	1671	74.3	1395	1101	78.9	1013	517	51.0
Decatur	4720	3082	65.3	1986	1373	69.1	1617	1235	76.4	1117	474	42.4
Delaware	9771	6610	67.6	2576	1782	69.2	3659	2957	80.8	3536	1871	52.9
Des Moines	24910	14218	57.1	10757	6599	61.3	6690	4758	71.1	7463	2861	38.3
Dickinson	9581	6045	63.1	2427	1545	63.7	3776	2921	77.4	3378	1579	46.7
Dubuque	49179	29518	60.0	24586	16130	65.6	11085	7769	70.1	13508	5619	41.6
Emmet	6077	3910	64.3	2348	1610	68.6	2059	1591	77.3	1670	709	42.5
Fayette	12408	8594	69.3	3863	2799	72.5	4512	3670	81.3	4033	2125	52.7
Floyd	9323	5888	63.2	2938	1969	67.0	3204	2428	75.8	3181	1491	46.9
Franklin	6088	4288	70.4	1465	992	67.7	3156	2586	81.9	1467	710	48.4
Fremont	4738	2843	60.0	1452	904	62.3	1951	1480	75.9	1335	459	34.4
Greene	6160	4253	69.0	2158	1558	72.2	2260	1821	80.6	1742	874	50.2
Grundy	7173	4771	66.5	1329	873	65.7	4002	3050	76.2	1842	848	46.0
Guthrie	6711	4521	67.4	2164	1504	69.5	2804	2230	79.5	1743	787	45.2
Hamilton	9583	6476	67.6	3068	2104	68.6	3666	2943	80.3	2849	1429	50.2
Hancock	6985	4771	68.3	1605	1071	66.7	3493	2807	80.4	1887	893	47.3
Hardin	11192	7609	68.0	3255	2262	69.5	4780	3787	79.2	3157	1560	49.4
Harrison	8482	5486	64.7	2945	2058	69.9	3402	2484	73.0	2135	944	44.2
Henry	10927	6710	61.4	2497	1528	61.2	4659	3566	76.5	3771	1616	42.9
Howard	5603	3924	70.0	2088	1619	77.5	1784	1421	79.7	1731	884	51.1
Humboldt	6127	4307	70.3	1523	1103	72.4	2715	2229	82.1	1889	975	51.6
Ida	5009	2983	59.6	1267	793	62.6	2461	1758	71.4	1281	432	33.7
Iowa	8635	5748	66.6	2342	1669	71.3	3343	2585	77.3	2950	1494	50.6
Jackson	11091	6885	62.1	4720	3074	65.1	3157	2501	79.2	3214	1310	40.8
Jasper	21039	14732	70.0	8945	6462	72.2	6727	5362	79.7	5367	2908	54.2



Table 2. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1994 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	9944	5679	57.1	2319	1382	59.6	3360	2520	75.0	4265	1777	41.7
Johnson	62267	34304	55.1	27260	16955	62.2	14929	9378	62.8	20078	7971	39.7
Jones	10544	7202	68.3	3658	2592	70.9	3592	2941	81.9	3294	1669	50.7
Keokuk	6649	4749	71.4	2425	1810	74.6	2439	2017	82.7	1785	922	51.7
Kossuth	10572	7545	71.4	4338	3349	77.2	3490	2779	79.6	2744	1417	51.6
Lee	21532	12039	55.9	9024	5439	60.3	4832	3454	71.5	7676	3146	41.0
Linn	102815	62238	60.5	35410	22378	63.2	30185	22021	73.0	37220	17839	47.9
Louisa	5758	3250	56.4	1464	783	53.5	2714	1960	72.2	1580	507	32.1
Lucas	5359	3633	67.8	1822	1301	71.4	2085	1661	79.7	1452	671	46.2
Lyon	7168	3923	54.7	1162	640	55.1	4729	2994	63.3	1277	289	22.6
Madison	7708	5391	69.9	2898	2094	72.3	2838	2316	81.6	1972	981	49.7
Mahaska	11631	7120	61.2	3231	1955	60.5	5509	4072	73.9	2891	1093	37.8
Marion	16922	10431	61.6	6403	4049	63.2	5921	4435	74.9	4598	1947	42.3
Marshall	22900	15397	67.2	7814	5326	68.2	8749	6912	79.0	6337	3159	49.9
Mills	7658	4235	55.3	1677	888	53.0	4149	2769	66.7	1832	578	31.6
Mitchell	6471	4411	68.2	1672	1230	73.6	2550	2112	82.8	2249	1069	47.5
Monona	5722	3741	65.4	2095	1530	73.0	1713	1280	74.7	1914	931	48.6
Monroe	4549	2726	59.9	2095	1329	63.4	1403	1000	71.3	1051	397	37.8
Montgomery	7058	4067	57.6	1323	775	58.6	3827	2613	68.3	1908	679	35.6
Muscatine	19966	10839	54.3	4868	2464	50.6	8206	5752	70.1	6892	2623	38.1
O'Brien	9110	5356	58.8	1714	949	55.4	4884	3488	71.4	2512	919	36.6
Osceola	4026	2454	61.0	851	508	59.7	2412	1715	71.1	763	231	30.3
Page	8742	5390	61.7	1527	865	56.6	4752	3615	76.1	2463	910	36.9
Palo Alto	6122	4093	66.9	2760	1928	69.9	1887	1523	80.7	1475	642	43.5
Plymouth	12098	7481	61.8	2866	1755	61.2	5788	4336	74.9	3444	1390	40.4
Pocahontas	5469	3515	64.3	1678	1117	66.6	1908	1487	77.9	1883	911	48.4
Polk	195597	137139	70.1	86012	60140	69.9	71492	56309	78.8	38093	20690	54.3
Pottawattamie	43484	23398	53.8	13984	7232	51.7	17697	11957	67.6	11803	4209	35.7
Poweshiek	10764	7077	65.7	3812	2550	66.9	3835	3021	78.8	3117	1506	48.3
Ringgold	3363	2490	74.0	1135	890	78.4	1532	1267	82.7	696	333	47.8
Sac	6671	4152	62.2	1484	875	59.0	3076	2346	76.3	2111	931	44.1
Scott	87868	48676	55.4	27732	14657	52.9	30394	21410	70.4	29742	12609	42.4
Shelby	7898	5202	65.9	2521	1816	72.0	2793	2115	75.7	2584	1271	49.2
Sioux	17267	11090	64.2	1683	901	53.5	12611	9189	72.9	2973	1000	33.6
Story	45100	26338	58.4	14581	8985	61.6	15460	10780	69.7	15059	6573	43.6
Tama	9987	6891	69.0	3611	2636	73.0	3551	2891	81.4	2825	1364	48.3
Taylor	4045	2486	61.5	1168	721	61.7	1810	1349	74.5	1067	416	39.0
Union	7453	5545	74.4	2390	1833	76.7	2883	2413	83.7	2180	1299	59.6
Van Buren	4392	2899	66.0	1227	783	63.8	2161	1699	78.6	1004	417	41.5
Wapello	20888	11690	56.0	11391	6790	59.6	4350	3058	70.3	5147	1842	35.8
Warren	23172	14726	63.6	9284	6248	67.3	7704	5757	74.7	6184	2721	44.0
Washington	10877	6862	63.1	2500	1589	63.6	5079	3769	74.2	3298	1504	45.6
Wayne	4213	2935	69.7	1565	1153	73.7	1594	1296	81.3	1054	486	46.1
Webster	21718	14564	67.1	8988	6229	69.3	6647	5262	79.2	6083	3073	50.5
Winnebago	7101	4786	67.4	1617	1138	70.4	2725	2174	79.8	2759	1474	53.4
Winneshiek	11691	7423	63.5	2948	1912	64.9	5041	3822	75.8	3702	1689	45.6
Woodbury	50266	30376	60.4	16950	10195	60.1	18385	13206	71.8	14931	6975	46.7
Worth	4796	3302	68.8	1553	1108	71.3	1979	1573	79.5	1264	621	49.1
Wright	7824	5454	69.7	2005	1394	69.5	3792	3062	80.7	2027	998	49.2
State of Iowa	1610284	1014110	63.0	563129	366988	65.2	576727	432877	75.1	470428	214245	45.5

Table 3. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1992.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	4956	4361	88.0	1488	1325	89.0	2184	1986	90.9	1284	1050	81.8
Adams	2927	2618	89.4	1036	940	90.7	1132	1029	90.9	759	649	85.5
Allamakee	8051	6731	83.6	1797	1562	86.9	3851	3462	89.9	2403	1707	71.0
Appanoose	7451	6411	86.0	3321	2909	87.6	2446	2153	88.0	1684	1349	80.1
Audubon	4436	3886	87.6	2020	1780	88.1	1335	1218	91.2	1081	888	82.1
Benton	12696	11054	87.1	4289	3865	90.1	3223	2915	90.4	5184	4274	82.4
Black Hawk	71551	61564	86.0	27588	24124	87.4	20758	18369	88.5	23205	19071	82.2
Boone	14583	12439	85.3	6498	5737	88.3	3495	3047	87.2	4590	3655	79.6
Bremer	13897	11619	83.6	3559	3079	86.5	4537	3936	86.8	5801	4604	79.4
Buchanan	11348	9780	86.2	4365	3922	89.9	2979	2653	89.1	4004	3205	80.0
Buena Vista	11242	9212	81.9	3198	2661	83.2	4076	3531	86.6	3968	3020	76.1
Butler	8635	7159	82.9	1854	1609	86.8	4423	3800	85.9	2358	1750	74.2
Calhoun	6451	5574	86.4	1907	1686	88.4	2055	1840	89.5	2489	2048	82.3
Carroll	11620	9974	85.8	6043	5387	89.1	2290	1975	86.2	3287	2612	79.5
Cass	9004	7636	84.8	1937	1652	85.3	5003	4419	88.3	2064	1565	75.8
Cedar	9474	8202	86.6	2811	2489	88.5	3080	2750	89.3	3583	2963	82.7
Cerro Gordo	29011	24209	83.4	10195	8719	85.5	8885	7755	87.3	9931	7735	77.9
Cherokee	8106	7339	90.5	2722	2524	92.7	2991	2780	92.9	2393	2035	85.0
Chickasaw	7635	6528	85.5	3202	2888	90.2	1960	1735	88.5	2473	1905	77.0
Clarke	5084	4320	85.0	2058	1825	88.7	1611	1415	87.8	1415	1080	76.3
Clay	9728	8371	86.1	2642	2309	87.4	3720	3350	90.1	3366	2712	80.6
Clayton	10909	9242	84.7	3686	3248	88.1	3296	2922	88.7	3927	3072	78.2
Clinton	30572	24853	81.3	10045	8341	83.0	9068	7809	86.1	11459	8703	75.9
Crawford	9132	7720	84.5	3573	3203	89.6	2489	2187	87.9	3070	2330	75.9
Dallas	17452	15019	86.1	7403	6533	88.2	4710	4149	88.1	5339	4337	81.2
Davis	4778	4093	85.7	2466	2173	88.1	1323	1163	87.9	989	757	76.5
Decatur	4829	4121	85.3	2171	1910	88.0	1511	1349	89.3	1147	862	75.2
Delaware	9887	8438	85.3	2805	2433	86.7	3413	3018	88.4	3669	2987	81.4
Des Moines	24561	21346	86.9	10979	9859	89.8	5777	5171	89.5	7805	6316	80.9
Dickinson	9546	8389	87.9	2616	2340	89.4	3270	2970	90.8	3660	3079	84.1
Dubuque	48105	42865	89.1	25260	23105	91.5	9045	8107	89.6	13800	11653	84.4
Emmet	6111	5256	86.0	2523	2254	89.3	1956	1723	88.1	1632	1279	78.4
Fayette	12698	10774	84.8	4256	3716	87.3	4257	3765	88.4	4185	3293	78.7
Floyd	9539	7862	82.4	3200	2734	85.4	3066	2606	85.0	3273	2522	77.1
Franklin	6015	5230	86.9	1687	1494	88.6	2789	2503	89.7	1539	1233	80.1
Fremont	4884	4032	82.6	1570	1363	86.8	1929	1702	88.2	1385	967	69.8
Greene	6214	5417	87.2	2401	2164	90.1	1989	1793	90.1	1824	1460	80.0
Grundy	7010	6172	88.0	1363	1208	88.6	3838	3474	90.5	1809	1490	82.4
Guthrie	6545	5507	84.1	2335	2030	86.9	2480	2211	89.2	1730	1266	73.2
Hamilton	9251	8133	87.9	3251	2895	89.0	3062	2735	89.3	2938	2503	85.2
Hancock	6863	5856	85.3	1819	1546	85.0	2972	2666	89.7	2072	1644	79.3
Hardin	11406	9509	83.4	3666	3148	85.9	4184	3639	87.0	3556	2722	76.5
Harrison	8247	6985	84.7	3143	2787	88.7	2801	2451	87.5	2303	1747	75.9
Henry	10727	8856	82.6	2622	2241	85.5	4477	3989	89.1	3628	2626	72.4
Howard	5687	4995	87.8	2160	1978	91.6	1711	1538	89.9	1816	1479	81.4
Humboldt	6070	5453	89.8	1822	1678	92.1	2209	2045	92.6	2039	1730	84.8
Ida	4941	4261	86.2	1382	1227	88.8	2185	1953	89.4	1374	1081	78.7
Iowa	8420	7300	86.7	2318	2082	89.8	3069	2780	90.6	3033	2438	80.4
Jackson	11020	9485	86.1	5455	4897	89.8	2259	2009	88.9	3306	2579	78.0
Jasper	21058	18116	86.0	9259	8183	88.4	5894	5215	88.5	5905	4718	79.9

Table 3. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1992 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	9982	8510	85.3	2542	2238	88.0	3164	2866	90.6	4276	3406	79.7
Johnson	58580	52287	89.3	26836	24684	92.0	11877	10553	88.9	19867	17050	85.8
Jones	10479	9138	87.2	4003	3600	89.9	3246	2950	90.9	3230	2588	80.1
Keokuk	6574	5630	85.6	2534	2246	88.6	2248	2010	89.4	1792	1374	76.7
Kossuth	10438	9170	87.9	4359	3988	91.5	2976	2653	89.1	3103	2529	81.5
Lee	21697	17953	82.7	9643	8182	84.8	4438	3785	85.3	7616	5986	78.6
Linn	100260	90218	90.0	37027	33669	90.9	24752	22630	91.4	38481	33919	88.1
Louisa	5900	4896	83.0	1627	1351	83.0	2757	2389	86.7	1516	1156	76.3
Lucas	5440	4699	86.4	2014	1799	89.3	1977	1771	89.6	1449	1129	77.9
Lyon	7032	5762	81.9	1226	1032	84.2	4498	3912	87.0	1308	818	62.5
Madison	7506	6458	86.0	3132	2757	88.0	2393	2115	88.4	1981	1586	80.1
Mahaska	11719	10218	87.2	3774	3387	89.7	4862	4361	89.7	3083	2470	80.1
Marion	16782	13679	81.5	6945	5741	82.7	5022	4278	85.2	4815	3660	76.0
Marshall	23248	18964	81.6	8344	6918	82.9	8094	6947	85.8	6810	5099	74.9
Mills	7118	6158	86.5	1559	1341	86.0	4005	3606	90.0	1554	1211	77.9
Mitchell	6529	5684	87.1	1816	1665	91.7	2466	2233	90.6	2247	1786	79.5
Monona	5764	4851	84.2	2164	1905	88.0	1457	1262	86.6	2143	1684	78.6
Monroe	4646	4061	87.4	2325	2101	90.4	1297	1168	90.1	1024	792	77.3
Montgomery	7052	5672	80.4	1346	1109	82.4	3845	3254	84.6	1861	1309	70.3
Muscatine	20760	16691	80.4	5274	4188	79.4	7755	6789	87.5	7731	5714	73.9
O'Brien	8980	7625	84.9	1820	1563	85.9	4387	3912	89.2	2773	2150	77.5
Osceola	4155	3613	87.0	973	850	87.4	2394	2163	90.4	788	600	76.1
Page	8781	7573	86.2	1649	1398	84.8	4566	4134	90.5	2566	2041	79.5
Palo Alto	6241	5418	86.8	3409	3098	90.9	1258	1102	87.6	1574	1218	77.4
Plymouth	11989	10536	87.9	3192	2833	88.8	4709	4287	91.0	4088	3416	83.6
Pocahontas	5648	4855	86.0	1894	1690	89.2	1650	1480	89.7	2104	1685	80.1
Polk	192377	170408	88.6	91943	81721	88.9	57883	52448	90.6	42551	36239	85.2
Pottawattamie	42815	36807	86.0	14680	12613	85.9	16545	14741	89.1	11590	9453	81.6
Poweshiek	10751	9129	84.9	4018	3485	86.7	3475	3114	89.6	3258	2530	77.7
Ringgold	3400	2904	85.4	1255	1121	89.3	1444	1294	89.6	701	489	69.8
Sac	7238	5463	75.5	1806	1374	76.1	2839	2286	80.5	2593	1803	69.5
Scott	87268	74098	84.9	29632	25277	85.3	26131	22977	87.9	31505	25844	82.0
Shelby	7672	6519	85.0	2612	2336	89.4	2570	2264	88.1	2490	1919	77.1
Sioux	16824	14623	86.9	1835	1582	86.2	11562	10340	89.4	3427	2701	78.8
Story	45057	36627	81.3	15793	13135	83.2	12904	10783	83.6	16360	12709	77.7
Tama	9837	8664	88.1	3905	3555	91.0	3055	2793	91.4	2877	2316	80.5
Taylor	4400	3587	81.5	1342	1096	81.7	1854	1628	87.8	1204	863	71.7
Union	7139	6195	86.8	2535	2234	88.1	2446	2213	90.5	2158	1748	81.0
Van Buren	4427	3754	84.8	1328	1116	84.0	2081	1881	90.4	1018	757	74.4
Wapello	20896	17397	83.3	12151	10394	85.5	3684	3100	84.1	5061	3903	77.1
Warren	22169	19297	87.0	9743	8692	89.2	6198	5542	89.4	6228	5063	81.3
Washington	10613	9075	85.5	2520	2137	84.8	4942	4486	90.8	3151	2452	77.8
Wayne	4114	3590	87.3	1650	1497	90.7	1477	1321	89.4	987	772	78.2
Webster	22110	19037	86.1	9967	8880	89.1	5185	4553	87.8	6958	5604	80.5
Winnebago	7145	6103	85.4	1746	1538	88.1	2412	2131	88.3	2987	2434	81.5
Winneshiek	12120	10186	84.0	3141	2714	86.4	4908	4344	88.5	4071	3128	76.8
Woodbury	50430	42661	84.6	18208	15702	86.2	15444	13323	86.3	16778	13636	81.3
Worth	4928	4465	90.6	1815	1686	92.9	1757	1646	93.7	1356	1133	83.6
Wright	7657	6799	88.8	2132	1915	89.8	3149	2859	90.8	2376	2025	85.2
State of Iowa	1595050	1371979	86.0	598950	526895	88.0	503101	446437	88.7	492999	398647	80.9

Table 4. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1990.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	4893	3818	78.0	1554	1246	80.2	2117	1824	86.2	1222	748	61.2
Adams	2784	1986	71.3	943	708	75.1	1176	918	78.1	665	360	54.1
Allamakee	7663	5454	71.2	1950	1514	77.6	3624	2920	80.6	2089	1020	48.8
Appanoose	7257	4727	65.1	3223	2204	68.4	2509	1794	71.5	1525	729	47.8
Audubon	4563	3462	75.9	2198	1749	79.6	1299	1069	82.3	1066	644	60.4
Benton	12106	8302	68.6	4117	3032	73.6	3022	2368	78.4	4967	2902	58.4
Black Hawk	68641	43806	63.8	26854	17649	65.7	20588	15266	74.1	21199	10891	51.4
Boone	13914	9554	68.7	5740	4223	73.6	3598	2695	74.9	4576	2636	57.6
Bremer	12717	8164	64.2	3250	2329	71.7	4179	3023	72.3	5288	2812	53.2
Buchanan	10613	7303	68.8	4275	3158	73.9	3000	2358	78.6	3338	1787	53.5
Buena Vista	10853	7467	68.8	3201	2278	71.2	4128	3264	79.1	3524	1925	54.6
Butler	7710	5216	67.7	1629	1145	70.3	4294	3234	75.3	1787	837	46.8
Calhoun	6392	4384	68.6	1965	1454	74.0	2047	1557	76.1	2380	1373	57.7
Carroll	11499	7600	66.1	6117	4440	72.6	2176	1629	74.9	3206	1531	47.8
Cass	8398	6133	73.0	1970	1465	74.4	4595	3661	79.7	1833	1007	54.9
Cedar	9032	6199	68.6	2760	1990	72.1	2986	2358	79.0	3286	1851	56.3
Cerro Gordo	27175	18066	66.5	9976	6915	69.3	8175	6277	76.8	9024	4874	54.0
Cherokee	8097	5969	73.7	2689	2073	77.1	2942	2400	81.6	2466	1496	60.7
Chickasaw	7589	5212	68.7	3314	2536	76.5	1982	1556	78.5	2293	1120	48.8
Clarke	4953	3508	70.8	1922	1438	74.8	1686	1342	79.6	1345	728	54.1
Clay	9434	6310	66.9	2637	1807	68.5	3826	2932	76.6	2971	1571	52.9
Clayton	10706	7467	69.7	3780	2943	77.9	3293	2550	77.4	3633	1974	54.3
Clinton	29306	18661	63.7	9331	6175	66.2	8864	6812	76.9	11111	5674	51.1
Crawford	8988	5795	64.5	3497	2517	72.0	2561	1876	73.3	2930	1402	47.8
Dallas	15980	11060	69.2	7138	5342	74.8	4138	3094	74.8	4704	2624	55.8
Davis	4628	3177	68.6	2448	1799	73.5	1246	921	73.9	934	457	48.9
Decatur	4632	3039	65.6	2022	1431	70.8	1544	1121	72.6	1066	487	45.7
Delaware	9657	6635	68.7	2816	2006	71.2	3513	2768	78.8	3328	1861	55.9
Des Moines	23548	15894	67.5	10775	7874	73.1	5357	4034	75.3	7416	3986	53.7
Dickinson	9033	5956	65.9	2364	1685	71.3	3141	2404	76.5	3528	1867	52.9
Dubuque	47548	31927	67.1	24505	18161	74.1	9009	6667	74.0	14034	7099	50.6
Emmet	5957	4053	68.0	2335	1670	71.5	2061	1557	75.5	1561	826	52.9
Fayette	12465	9259	74.3	4173	3289	78.8	4429	3687	83.2	3863	2283	59.1
Floyd	9265	6132	66.2	3233	2239	69.3	3232	2409	74.5	2800	1484	53.0
Franklin	5829	4391	75.3	1638	1238	75.6	2840	2367	83.3	1351	786	58.2
Fremont	4436	3301	74.4	1467	1152	78.5	1945	1614	83.0	1024	535	52.2
Greene	6193	4532	73.2	2326	1841	79.1	1935	1548	80.0	1932	1143	59.2
Grundy	6731	4852	72.1	1344	1006	74.9	3804	2959	77.8	1583	887	56.0
Guthrie	6187	4211	68.1	2242	1637	73.0	2306	1735	75.2	1639	839	51.2
Hamilton	8798	6279	71.4	3031	2381	78.6	3099	2389	77.1	2668	1509	56.6
Hancock	7044	4669	66.3	1896	1296	68.4	3047	2336	76.7	2101	1037	49.4
Hardin	11405	7963	69.8	3824	2902	75.9	4114	3183	77.4	3467	1878	54.2
Harrison	7384	4643	62.9	2943	1998	67.9	2617	1869	71.4	1824	776	42.5
Henry	10091	6507	64.5	2701	1879	69.6	3971	3002	75.6	3419	1626	47.6
Howard	5569	4036	72.5	2188	1757	80.3	1644	1300	79.1	1737	979	56.4
Humboldt	6247	4521	72.4	1956	1501	76.7	2326	1907	82.0	1965	1113	56.6
Ida	4622	3237	70.0	1371	1035	75.5	1974	1517	76.8	1277	685	53.6
Iowa	8041	5989	74.5	2250	1837	81.6	3020	2492	82.5	2771	1660	59.9
Jackson	10438	7679	73.6	4821	3851	79.9	2358	1954	82.9	3259	1874	57.5
Jasper	20198	13873	68.7	8934	6612	74.0	5621	4266	75.9	5643	2995	53.1

Table 4. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1990 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	9096	5792	63.7	2526	1684	66.7	3264	2434	74.6	3306	1674	50.6
Johnson	61165	32730	53.5	26944	17154	63.7	12989	6945	53.5	21232	8631	40.7
Jones	10045	7059	70.3	3928	2964	75.5	3148	2511	79.8	2969	1584	53.4
Keokuk	6585	4613	70.1	2367	1809	76.4	2205	1773	80.4	2013	1031	51.2
Kossuth	10749	7694	71.6	4551	3523	77.4	3084	2435	79.0	3114	1736	55.7
Lee	21400	13501	63.1	9573	6559	68.5	4486	3204	71.4	7341	3738	50.9
Linn	95860	62701	65.4	35448	24927	70.3	23600	17039	72.2	36812	20735	56.3
Louisa	5706	3854	67.5	1518	1028	67.7	2710	2133	78.7	1478	693	46.9
Lucas	5252	3666	69.8	2037	1509	74.1	1979	1559	78.8	1236	598	48.4
Lyon	6621	4318	65.2	1243	893	71.8	4268	2981	69.8	1110	444	40.0
Madison	7013	5286	75.4	3022	2429	80.4	2378	1926	81.0	1613	931	57.7
Mahaska	11045	7842	71.0	3537	2656	75.1	4517	3560	78.8	2991	1626	54.4
Marion	16541	10963	66.3	7122	4990	70.1	4920	3584	72.8	4499	2389	53.1
Marshall	21935	14974	68.3	7958	5854	73.6	7644	5775	75.5	6333	3345	52.8
Mills	6756	4002	59.2	1542	946	61.3	3536	2415	68.3	1678	641	38.2
Mitchell	6391	4636	72.5	1870	1482	79.3	2559	2096	81.9	1962	1058	53.9
Monona	5560	3508	63.1	2161	1502	69.5	1509	1068	70.8	1890	938	49.6
Monroe	4526	3379	74.7	2273	1834	80.7	1234	1009	81.8	1019	536	52.6
Montgomery	6458	4064	62.9	1342	896	66.8	3298	2371	71.9	1818	797	43.8
Muscatine	19223	11522	59.9	4985	2951	59.2	6699	4970	74.2	7539	3601	47.8
O'Brien	8500	5814	68.4	1742	1227	70.4	4185	3246	77.6	2573	1341	52.1
Osceola	3887	2719	70.0	927	680	73.4	2403	1777	73.9	557	262	47.0
Page	8335	5421	65.0	1553	1003	64.6	4534	3406	75.1	2248	1012	45.0
Palo Alto	6291	4358	69.3	3486	2566	73.6	1258	970	77.1	1547	822	53.1
Plymouth	11589	7525	64.9	3217	2201	68.4	4646	3446	74.2	3726	1878	50.4
Pocahontas	5739	3860	67.3	1925	1387	72.1	1712	1302	76.1	2102	1171	55.7
Polk	181357	120920	66.7	89870	63057	70.2	53933	38614	71.6	37554	19249	51.3
Pottawattamie	39634	23988	60.5	13628	8742	64.1	14698	10238	69.7	11308	5008	44.3
Poweshiek	10849	7133	65.7	4248	2908	68.5	3443	2640	76.7	3158	1585	50.2
Ringgold	3319	2547	76.7	1220	968	79.3	1492	1247	83.6	607	332	54.7
Sac	6423	3994	62.2	1622	1024	63.1	2684	1919	71.5	2117	1051	49.6
Scott	83385	47482	56.9	28076	16397	58.4	24232	16351	67.5	31077	14734	47.4
Shelby	7393	4982	67.4	2626	1923	73.2	2539	1913	75.3	2228	1146	51.4
Sioux	16123	10988	68.2	2022	1334	66.0	10686	8065	75.5	3415	1589	46.5
Story	42717	25748	60.3	15494	10187	65.7	12276	8043	65.5	14947	7518	50.3
Tama	9328	6841	73.3	3587	2883	80.4	2988	2376	79.5	2753	1582	57.5
Taylor	4361	3203	73.4	1379	1077	78.1	1863	1474	79.1	1119	652	58.3
Union	7418	4933	66.5	2678	1922	71.8	2573	1965	76.4	2167	1046	48.3
Van Buren	4149	3054	73.6	1219	918	75.3	2142	1706	79.6	788	430	54.6
Wapello	19390	12330	63.6	10702	7336	68.5	3707	2639	71.2	4981	2355	47.3
Warren	20948	13992	66.8	9328	6775	72.6	5774	4208	72.9	5846	3009	51.5
Washington	9409	6413	68.2	2728	1952	71.6	3551	2852	80.3	3130	1609	51.4
Wayne	4117	3034	73.7	1608	1265	78.7	1609	1306	81.2	900	463	51.4
Webster	20972	14042	67.0	9203	6569	71.4	5016	3738	74.5	6753	3735	55.3
Winnebago	6895	5159	74.8	1715	1348	78.6	2437	2047	84.0	2743	1764	64.3
Winneshiek	11798	7419	62.9	3419	2394	70.0	4406	3187	72.3	3973	1838	46.3
Woodbury	47983	29815	62.1	17318	11196	64.6	14500	10041	69.2	16165	8578	53.1
Worth	4502	3550	78.9	1720	1430	83.1	1510	1301	86.2	1272	819	64.4
Wright	7346	5162	70.3	2163	1598	73.9	2810	2222	79.1	2373	1342	56.6
State of Iowa	1529293	1004908	65.7	582003	408264	70.1	482592	356810	73.9	464698	239834	51.6

Table 5. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1988.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	4884	3910	80.1	1538	1286	83.6	2093	1807	86.3	1253	817	65.2
Adams	2771	2205	79.6	943	804	85.3	1143	973	85.1	685	428	62.5
Allamakee	7733	5737	74.2	1941	1590	81.9	3600	3056	84.9	2192	1091	49.8
Appanoose	7374	5719	77.6	3226	2674	82.9	2513	2051	81.6	1635	994	60.8
Audubon	4552	3145	69.1	2183	1566	71.7	1291	1017	78.8	1078	562	52.1
Benton	12120	9410	77.6	4140	3386	81.8	3047	2508	82.3	4933	3516	71.3
Black Hawk	68043	51923	76.3	26524	21103	79.6	20411	16359	80.1	21108	14461	68.5
Boone	14211	10776	75.8	5817	4711	81.0	3660	2917	79.7	4734	3148	66.5
Bremer	12796	9386	73.4	3235	2507	77.5	4168	3338	80.1	5393	3541	65.7
Buchanan	11051	8186	74.1	4317	3569	82.7	3028	2475	81.7	3706	2142	57.8
Buena Vista	10756	8139	75.7	3171	2463	77.7	4044	3355	83.0	3541	2321	65.5
Butler	7729	5630	72.8	1655	1320	79.8	4213	3328	79.0	1861	982	52.8
Calhoun	6355	5126	80.7	1932	1631	84.4	2001	1679	83.9	2422	1816	75.0
Carroll	11113	8769	78.9	5967	5080	85.1	2160	1697	78.6	2986	1992	66.7
Cass	8604	6538	76.0	2024	1586	78.4	4621	3776	81.7	1959	1176	60.0
Cedar	9099	7071	77.7	2753	2250	81.7	2998	2522	84.1	3348	2299	68.7
Cerro Gordo	27711	20989	75.7	10120	8210	81.1	8316	6683	80.4	9275	6096	65.7
Cherokee	7925	6546	82.6	2650	2332	88.0	2854	2467	86.4	2421	1747	72.2
Chickasaw	7548	5790	76.7	3282	2771	84.4	1964	1647	83.9	2302	1372	59.6
Clarke	5139	3707	72.1	1946	1536	78.9	1719	1374	79.9	1474	797	54.1
Clay	9394	7302	77.7	2631	2108	80.1	3766	3169	84.1	2997	2025	67.6
Clayton	10724	7864	73.3	3738	3041	81.4	3281	2607	79.5	3705	2216	59.8
Clinton	29469	21401	72.6	9380	7123	75.9	8860	7201	81.3	11229	7077	63.0
Crawford	8936	6963	77.9	3436	2961	86.2	2555	2113	82.7	2945	1889	64.1
Dallas	16223	11732	72.3	7186	5665	78.8	4173	3130	75.0	4864	2937	60.4
Davis	4593	3625	78.9	2418	2035	84.2	1238	1023	82.6	937	567	60.5
Decatur	4565	3440	75.4	1983	1618	81.6	1503	1231	81.9	1079	591	54.8
Delaware	9625	6950	72.2	2800	2162	77.2	3486	2712	77.8	3339	2076	62.2
Des Moines	24060	18297	76.0	10850	8954	82.5	5475	4346	79.4	7735	4997	64.6
Dickinson	9083	6720	74.0	2376	1891	79.6	3155	2514	79.7	3552	2315	65.2
Dubuque	47994	36205	75.4	24503	20242	82.6	9194	6870	74.7	14297	9093	63.6
Emmet	5900	4696	79.6	2310	1920	83.1	2024	1671	82.6	1566	1105	70.6
Fayette	12475	9458	75.8	4169	3367	80.8	4402	3636	82.6	3904	2455	62.9
Floyd	9201	7081	77.0	3206	2579	80.4	3170	2639	83.2	2825	1863	65.9
Franklin	5937	4605	77.6	1652	1338	81.0	2840	2409	84.8	1445	858	59.4
Fremont	4639	3353	72.3	1499	1198	79.9	1968	1603	81.5	1172	552	47.1
Greene	6134	4559	74.3	2300	1846	80.3	1900	1543	81.2	1934	1170	60.5
Grundy	6692	5372	80.3	1337	1099	82.2	3747	3178	84.8	1608	1095	68.1
Guthrie	6264	4616	73.7	2265	1808	79.8	2317	1855	80.1	1682	953	56.7
Hamilton	8783	7010	79.8	3026	2486	82.2	3083	2593	84.1	2674	1931	72.2
Hancock	6759	5211	77.1	1866	1459	78.2	2948	2495	84.6	1945	1257	64.6
Hardin	11436	8565	74.9	3788	2996	79.1	4088	3348	81.9	3560	2221	62.4
Harrison	7538	5745	76.2	2969	2477	83.4	2636	2131	80.8	1933	1137	58.8
Henry	10042	7349	73.2	2675	2063	77.1	3904	3265	83.6	3463	2021	58.4
Howard	5590	4401	78.7	2173	1901	87.5	1634	1386	84.8	1783	1114	62.5
Humboldt	6215	5151	82.9	1938	1707	88.1	2314	2028	87.6	1963	1416	72.1
Ida	4748	3597	75.8	1404	1145	81.6	1992	1628	81.7	1352	824	60.9
Iowa	8010	6342	79.2	2249	1888	83.9	3005	2566	85.4	2756	1888	68.5
Jackson	10673	7729	72.4	4915	3938	80.1	2381	1918	80.6	3377	1873	55.5
Jasper	20451	15154	74.1	9001	7131	79.2	5670	4459	78.6	5780	3564	61.7

Table 5. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1988 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	9547	6935	72.6	2610	2035	78.0	3295	2760	83.8	3642	2140	58.8
Johnson	61158	40157	65.7	27216	19806	72.8	12947	8280	64.0	20995	12071	57.5
Jones	9996	7731	77.3	3889	3248	83.5	3124	2630	84.2	2983	1853	62.1
Keokuk	6458	4991	77.3	2357	1931	81.9	2147	1838	85.6	1954	1222	62.5
Kossuth	10662	8692	81.5	4489	3899	86.9	3064	2611	85.2	3109	2182	70.2
Lee	21340	16546	77.5	9574	7799	81.5	4455	3609	81.0	7311	5138	70.3
Linn	96378	73509	76.3	35349	28345	80.2	24006	18602	77.5	37023	26562	71.7
Louisa	5678	4244	74.7	1528	1164	76.2	2685	2240	83.4	1465	840	57.3
Lucas	5231	3917	74.9	2008	1615	80.4	1983	1645	83.0	1240	657	53.0
Lyon	6641	5081	76.5	1230	974	79.2	4240	3477	82.0	1171	630	53.8
Madison	7225	5459	75.6	3075	2508	81.6	2402	1933	80.5	1748	1018	58.2
Mahaska	11162	8744	78.3	3584	2972	82.9	4534	3758	82.9	3044	2014	66.2
Marion	16574	12395	74.8	7122	5702	80.1	4934	3808	77.2	4518	2885	63.9
Marshall	21181	16764	79.1	7798	6313	81.0	7404	6230	84.1	5979	4221	70.6
Mills	6828	5085	74.5	1618	1170	72.3	3551	2920	82.2	1659	995	60.0
Mitchell	6381	4982	78.1	1846	1580	85.6	2533	2152	85.0	2002	1250	62.4
Monona	5656	4292	75.9	2152	1804	83.8	1517	1197	78.9	1987	1291	65.0
Monroe	4499	3469	77.1	2248	1874	83.4	1229	1011	82.3	1022	584	57.1
Montgomery	6475	4706	72.7	1356	1048	77.3	3369	2653	78.7	1750	1005	57.4
Muscatine	19166	13344	69.6	4952	3438	69.4	6632	5310	80.1	7582	4596	60.6
O'Brien	8543	6481	75.9	1742	1412	81.1	4197	3446	82.1	2604	1623	62.3
Osceola	3962	3120	78.7	944	767	81.3	2404	2036	84.7	614	317	51.6
Page	8260	6512	78.8	1536	1196	77.9	4486	3863	86.1	2238	1453	64.9
Palo Alto	6325	5177	81.8	3481	3052	87.7	1285	1048	81.6	1559	1077	69.1
Plymouth	11420	9092	79.6	3158	2588	82.0	4603	3946	85.7	3659	2558	69.9
Pocahontas	5865	4377	74.6	1939	1568	80.9	1721	1415	82.2	2205	1394	63.2
Polk	184716	137353	74.4	90636	70757	78.1	55174	42297	76.7	38906	24299	62.5
Pottawattamie	39464	30585	77.5	13644	10742	78.7	14665	11980	81.7	11155	7863	70.5
Poweshiek	10871	7974	73.4	4224	3260	77.2	3434	2779	80.9	3213	1935	60.2
Ringgold	3311	2580	77.9	1198	1026	85.6	1490	1266	85.0	623	288	46.2
Sac	6472	4763	73.6	1639	1245	76.0	2655	2171	81.8	2178	1347	61.8
Scott	82852	63666	76.8	27360	21763	79.5	24947	20292	81.3	30545	21611	70.8
Shelby	7432	5602	75.4	2624	2180	83.1	2564	2050	80.0	2244	1372	61.1
Sioux	16293	12550	77.0	2053	1592	77.5	10726	8777	81.8	3514	2181	62.1
Story	42971	29765	69.3	15611	11283	72.3	12374	9006	72.8	14986	9476	63.2
Tama	9525	7628	80.1	3617	3075	85.0	3011	2594	86.2	2897	1959	67.6
Taylor	4365	3105	71.1	1384	1004	72.5	1828	1525	83.4	1153	576	50.0
Union	7212	5710	79.2	2632	2154	81.8	2522	2105	83.5	2058	1451	70.5
Van Buren	4215	3117	74.0	1243	900	72.4	2128	1769	83.1	844	448	53.1
Wapello	19433	14630	75.3	10676	8448	79.1	3710	2958	79.7	5047	3224	63.9
Warren	21313	14933	70.1	9357	7189	76.8	5903	4261	72.2	6053	3483	57.5
Washington	9626	7127	74.0	2741	2137	78.0	3574	2939	82.2	3311	2051	61.9
Wayne	4148	3252	78.4	1610	1373	85.3	1587	1370	86.3	951	509	53.5
Webster	21175	16366	77.3	9196	7605	82.7	5078	4000	78.8	6901	4761	69.0
Winnebago	6916	5367	77.6	1702	1394	81.9	2424	2036	84.0	2790	1937	69.4
Winneshiek	11824	8227	69.6	3398	2585	76.1	4355	3449	79.2	4071	2193	53.9
Woodbury	47738	37183	77.9	17137	13892	81.1	14384	11511	80.0	16217	11780	72.6
Worth	4611	3691	80.0	1728	1503	87.0	1520	1302	85.7	1363	886	65.0
Wright	7381	5746	77.8	2168	1780	82.1	2822	2335	82.7	2391	1631	68.2
State of Iowa	1536142	1155917	75.2	581786	463216	79.6	484175	387486	80.0	319018	254535	64.9

Table 6. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1986.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	5145	3654	71.0	1413	1082	76.6	2274	1765	77.6	1458	807	55.3
Adams	3269	2311	70.7	1034	789	76.3	1381	1085	78.6	854	437	51.2
Allamakee	7542	5250	69.6	1650	1241	75.2	4257	3237	76.0	1635	772	47.2
Appanoose	7954	4762	59.9	3205	2053	64.1	2963	2002	67.6	1786	707	39.6
Audubon	4471	2942	65.8	1751	1282	73.2	1448	1077	74.4	1272	583	45.8
Benton	12259	7598	62.0	3996	2751	68.8	3119	2229	71.5	5144	2618	50.9
Black Hawk	73075	43401	59.4	26141	16290	62.3	21261	15137	71.2	25673	11974	46.6
Boone	14263	9048	63.4	4659	3318	71.2	3981	2920	73.3	5623	2810	50.0
Bremer	12748	8180	64.2	2758	1991	72.2	4316	3249	75.3	5674	2940	51.8
Buchanan	11241	7206	64.1	4131	2921	70.7	3271	2376	72.6	3839	1909	49.7
Buena Vista	10724	7281	67.9	2832	2013	71.1	4277	3307	77.3	3615	1961	54.2
Butler	7745	5180	66.9	1485	1015	68.4	4672	3430	73.4	1588	735	46.3
Calhoun	6721	4588	68.3	1797	1377	76.6	2279	1744	76.5	2645	1467	55.5
Carroll	12145	7311	60.2	6208	4296	69.2	2291	1542	67.3	3646	1473	40.4
Cass	8825	5387	61.0	2030	1314	64.7	4643	3213	69.2	2152	860	40.0
Cedar	9760	5008	51.3	2513	1438	57.2	3346	2104	62.9	3901	1466	37.6
Cerro Gordo	26225	17820	68.0	9031	6557	72.6	7826	6021	76.9	9368	5242	56.0
Cherokee	8733	6196	70.9	2792	2145	76.8	3084	2450	79.4	2857	1601	56.0
Chickasaw	8414	5471	65.0	3448	2496	72.4	2330	1755	75.3	2636	1220	46.3
Clarke	4927	3368	68.4	1876	1379	73.5	1692	1299	76.8	1359	690	50.8
Clay	9378	6301	67.2	2424	1747	72.1	3559	2770	77.8	3395	1784	52.5
Clayton	10019	6669	66.6	3561	2607	73.2	3415	2490	72.9	3043	1572	51.7
Clinton	32718	17246	52.7	9639	5332	55.3	9431	6578	69.7	13648	5336	39.1
Crawford	9570	5865	61.3	3719	2618	70.4	2762	1887	68.3	3089	1360	44.0
Dallas	15512	9914	63.9	6393	4484	70.1	4166	3012	72.3	4953	2418	48.8
Davis	4667	2980	63.9	2344	1638	69.9	1356	935	69.0	967	407	42.1
Decatur	5066	3264	64.4	2168	1524	70.3	1696	1234	72.8	1202	506	42.1
Delaware	9225	5122	55.5	2698	1683	62.4	3102	2034	65.6	3425	1405	41.0
Des Moines	23020	13237	57.5	9459	5954	62.9	4973	3432	69.0	8588	3851	44.8
Dickinson	8519	6155	72.3	2218	1712	77.2	2863	2249	78.6	3438	2194	63.8
Dubuque	47718	28013	58.7	24729	16498	66.7	7337	4655	63.4	15652	6860	43.8
Emmet	6430	3900	60.7	2186	1440	65.9	2233	1557	69.7	2011	903	44.9
Fayette	12696	8140	64.1	3735	2622	70.2	4451	3273	73.5	4510	2245	49.8
Floyd	9476	6108	64.5	3001	1971	65.7	3507	2584	73.7	2968	1553	52.3
Franklin	6166	4299	69.7	1541	1102	71.5	3162	2440	77.2	1463	757	51.7
Fremont	4683	3230	69.0	1495	1110	74.2	2165	1638	75.7	1023	482	47.1
Greene	6793	4287	63.1	2179	1547	71.0	2334	1672	71.6	2280	1068	46.8
Grundy	7173	4556	63.5	1214	811	66.8	4033	2864	71.0	1926	881	45.7
Guthrie	6318	3998	63.3	2157	1493	69.2	2431	1750	72.0	1730	755	43.6
Hamilton	8672	5853	67.5	2384	1779	74.6	3351	2528	75.4	2937	1546	52.6
Hancock	7635	4688	61.4	1958	1237	63.2	3085	2299	74.5	2592	1152	44.4
Hardin	11603	7986	68.8	3643	2689	73.8	4432	3436	77.5	3528	1861	52.7
Harrison	8221	5260	64.0	3395	2370	69.8	2781	2027	72.9	2045	863	42.2
Henry	9872	5875	59.5	2535	1654	65.2	3730	2699	72.4	3607	1522	42.2
Howard	5966	4358	73.0	2313	1852	80.1	1811	1487	82.1	1842	1019	55.3
Humboldt	6484	4394	67.8	2061	1444	70.1	2370	1857	78.4	2053	1093	53.2
Ida	4811	3344	69.5	1227	945	77.0	2067	1603	77.6	1517	796	52.5
Iowa	8404	5296	63.0	2234	1579	70.7	3047	2259	74.1	3123	1458	46.7
Jackson	10920	6763	61.9	4054	2883	71.1	2738	2005	73.2	4128	1875	45.4
Jasper	19433	12344	63.5	7890	5502	69.7	5638	4030	71.5	5905	2812	47.6



Table 6. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1986 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	8538	4324	50.6	2462	1300	52.8	3188	2104	66.0	2888	920	31.9
Johnson	53564	26476	49.4	20893	12740	61.0	10951	5862	53.5	21720	7874	36.3
Jones	10326	6217	60.2	4038	2668	66.1	3306	2220	67.2	2982	1329	44.6
Keokuk	6546	4037	61.7	2189	1471	67.2	2333	1695	72.7	2024	871	43.0
Kossuth	11415	7224	63.3	4647	3256	70.1	3195	2293	71.8	3573	1675	46.9
Lee	21497	13954	64.9	8736	6301	72.1	4606	3383	73.4	8155	4270	52.4
Linn	95990	53129	55.3	32795	19835	60.5	21707	14164	65.3	41488	19130	46.1
Louisa	5399	3274	60.6	1331	868	65.2	2547	1805	70.9	1521	601	39.5
Lucas	5699	3617	63.5	2150	1430	66.5	2318	1674	72.2	1231	513	41.7
Lyon	6949	3911	56.3	1105	658	59.5	4627	2862	61.9	1217	391	32.1
Madison	6874	5030	73.2	2787	2178	78.1	2353	1891	80.4	1734	961	55.4
Mahaska	11521	7174	62.3	3692	2411	65.3	4302	3101	72.1	3527	1662	47.1
Marion	15674	9428	60.2	6545	4344	66.4	4339	2897	66.8	4790	2187	45.7
Marshall	23408	14608	62.4	6747	4768	70.7	8740	6054	69.3	7921	3786	47.8
Mills	6380	3639	57.0	1327	776	58.5	3458	2275	65.8	1595	588	36.9
Mitchell	6595	4522	68.6	1766	1331	75.4	2865	2184	76.2	1964	1007	51.3
Monona	5886	4033	68.5	2300	1733	75.3	1579	1199	75.9	2007	1101	54.9
Monroe	4721	3061	64.8	1970	1389	70.5	1457	1090	74.8	1294	582	45.0
Montgomery	6729	3931	58.4	1441	808	56.1	3434	2371	69.0	1854	752	40.6
Muscatine	18540	8316	44.9	4090	1924	47.0	6377	3796	59.5	8073	2596	32.2
O'Brien	8940	5873	65.7	1653	1189	71.9	4489	3333	74.2	2798	1351	48.3
Osceola	3971	2798	70.5	937	718	76.6	2379	1750	73.6	655	330	50.4
Page	8678	5347	61.6	1547	916	59.2	4906	3527	71.9	2225	904	40.6
Palo Alto	6417	4375	68.2	2886	2223	77.0	1412	1105	78.3	2119	1047	49.4
Plymouth	11959	8067	67.5	3174	2353	74.1	4928	3766	76.4	3857	1948	50.5
Pocahontas	5895	4244	72.0	1913	1500	78.4	1891	1497	79.2	2091	1247	59.6
Polk	172325	99258	57.6	82941	50450	60.8	51327	32613	63.5	38057	16195	42.6
Pottawattamie	41460	20502	49.5	13742	7130	51.9	14384	8667	60.3	13334	4705	35.3
Poweshiek	10938	6699	61.2	3758	2425	64.5	3563	2588	72.6	3617	1686	46.6
Ringgold	3513	2379	67.7	1153	812	70.4	1772	1332	75.2	588	235	40.0
Sac	6994	4351	62.2	1582	1032	65.2	3113	2283	73.3	2299	1036	45.1
Scott	84047	43402	51.6	27209	14137	52.0	22521	14607	64.9	34317	14658	42.7
Shelby	7581	4555	60.1	2783	1864	67.0	2483	1723	69.4	2315	968	41.8
Sioux	15742	10515	66.8	1793	1241	69.2	10662	7740	72.6	3287	1534	46.7
Story	48162	23708	49.2	13163	7765	59.0	13854	7761	56.0	21145	8182	38.7
Tama	10134	6593	65.1	3261	2405	73.8	3309	2443	73.8	3564	1745	49.0
Taylor	4548	2833	62.3	1261	851	67.5	2211	1541	69.7	1076	441	41.0
Union	7577	4952	65.4	2473	1805	73.0	2766	2038	73.7	2338	1109	47.4
Van Buren	4484	3100	69.1	1244	894	71.9	2353	1789	76.0	887	417	47.0
Wapello	20907	11690	55.9	10689	6576	61.5	3685	2471	67.1	6533	2643	40.5
Warren	19274	11838	61.4	8061	5369	66.6	5476	3779	69.0	5737	2690	46.9
Washington	9030	5480	60.7	2407	1649	68.5	3305	2383	72.1	3318	1448	43.6
Wayne	4619	3219	69.7	1816	1286	70.8	1866	1478	79.2	937	455	48.6
Webster	22349	13299	59.5	9354	5969	63.8	5224	3593	68.8	7771	3737	48.1
Winnebago	7056	5073	71.9	1614	1232	76.3	2500	2037	81.5	2942	1804	61.3
Winneshiek	10518	6173	58.7	2393	1533	64.1	4309	3050	70.8	3816	1590	41.7
Woodbury	49053	32190	65.6	17334	11712	67.6	14450	10564	73.1	17269	9914	57.4
Worth	4577	3524	77.0	1659	1373	82.8	1629	1362	83.6	1289	789	61.2
Wright	7522	4745	63.1	1892	1294	68.4	3159	2282	72.2	2471	1169	47.3
State of Iowa	1543875	922094	59.7	544007	351467	64.6	486345	337248	69.3	513523	233379	45.4

Table 7. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1984.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	5364	4692	87.5	1419	1247	87.9	2418	2208	91.3	1527	1237	81.0
Adams	3413	3026	88.7	986	896	90.9	1372	1270	92.6	1055	860	81.5
Allamakee	7888	6462	81.9	1531	1265	82.6	4534	3977	87.7	1823	1220	66.9
Appanoose	8253	6896	83.6	3324	2856	85.9	3077	2710	88.1	1852	1330	71.8
Audubon	4735	4156	87.8	1837	1659	90.3	1532	1377	89.9	1366	1120	82.0
Benton	13102	10765	82.2	4177	3563	85.3	3370	2955	87.7	5555	4247	76.5
Black Hawk	79450	64169	80.8	27646	22655	81.9	23339	20369	87.3	28465	21145	74.3
Boone	14640	12404	84.7	4759	4206	88.4	4040	3612	89.4	5841	4586	78.5
Bremer	13481	10908	80.9	2812	2351	83.6	4327	3751	86.7	6342	4806	75.8
Buchanan	11398	9728	85.3	4159	3659	88.0	3404	3065	90.0	3835	3004	78.3
Buena Vista	11732	9531	81.2	3060	2529	82.6	4648	4050	87.1	4024	2952	73.4
Butler	8174	6983	85.4	1664	1452	87.3	4701	4161	88.5	1809	1370	75.7
Calhoun	7521	5928	78.8	2045	1699	83.1	2343	1942	82.9	3133	2287	73.0
Carroll	12320	10249	83.2	6444	5659	87.8	2396	2076	86.6	3480	2514	72.2
Cass	9227	7576	82.1	2107	1749	83.0	4889	4252	87.0	2231	1575	70.6
Cedar	10016	7855	78.4	2542	2056	80.9	3624	3123	86.2	3850	2676	69.5
Cerro Gordo	26820	23022	85.8	9437	8217	87.1	8068	7208	89.3	9315	7597	81.6
Cherokee	8958	7575	84.6	2820	2462	87.3	3087	2786	90.2	3051	2327	76.3
Chickasaw	8504	6990	82.2	3348	2929	87.5	2381	2081	87.4	2775	1980	71.4
Clarke	5135	4419	86.1	1984	1735	87.4	1727	1553	89.9	1424	1131	79.4
Clay	9972	8423	84.5	2559	2181	85.2	3573	3235	90.5	3840	3007	78.3
Clayton	10660	8675	81.4	3714	3119	84.0	3703	3236	87.4	3243	2320	71.5
Clinton	32891	25703	78.1	9722	7761	79.8	9612	8216	85.5	13557	9726	71.7
Crawford	10431	8157	78.2	3697	3099	83.8	3170	2621	82.7	3564	2437	68.4
Dallas	16157	13070	80.9	6249	5171	82.7	4329	3744	86.5	5579	4155	74.5
Davis	4837	4222	87.3	2475	2226	89.9	1308	1164	89.0	1054	832	78.9
Decatur	5418	4303	79.4	2241	1876	83.7	1848	1573	85.1	1329	854	64.3
Delaware	9398	8117	86.4	2738	2443	89.2	3227	2925	90.6	3433	2749	80.1
Des Moines	24056	21011	87.3	9699	8658	89.3	5279	4778	90.5	9078	7575	83.4
Dickinson	8639	7252	83.9	2298	1987	86.5	2807	2504	89.2	3534	2761	78.1
Dubuque	50056	41850	83.6	25767	22467	87.2	7719	6642	86.0	16570	12741	76.9
Emmet	7138	5716	80.1	2379	1966	82.6	2585	2205	85.3	2174	1545	71.1
Fayette	13628	11459	84.1	4008	3502	87.4	4856	4354	89.7	4764	3603	75.6
Floyd	9972	8567	85.9	3225	2778	86.1	3580	3201	89.4	3167	2588	81.7
Franklin	6473	5617	86.8	1543	1375	89.1	3383	3009	88.9	1547	1233	79.7
Fremont	4848	4272	88.1	1534	1366	89.0	2227	2060	92.5	1087	846	77.8
Greene	7024	5920	84.3	2210	1922	87.0	2488	2204	88.6	2326	1794	77.1
Grundy	7896	6558	83.1	1327	1099	82.8	4380	3841	87.7	2189	1618	73.9
Guthrie	6691	5452	81.5	2315	1957	84.5	2575	2252	87.5	1801	1243	69.0
Hamilton	9135	7873	86.2	2441	2138	87.6	3655	3321	90.9	3039	2414	79.4
Hancock	7219	5982	82.9	1774	1499	84.5	3185	2821	88.6	2260	1662	73.5
Hardin	12208	10042	82.3	3850	3255	84.5	4674	4093	87.6	3684	2694	73.1
Harrison	8380	6963	83.1	3444	2941	85.4	2834	2536	89.5	2102	1486	70.7
Henry	9936	8063	81.1	2637	2200	83.4	3979	3525	88.6	3320	2338	70.4
Howard	6104	5239	85.8	2274	2042	89.8	1769	1605	90.7	2061	1592	77.2
Humboldt	6823	5915	86.7	2223	1994	89.7	2462	2219	90.1	2138	1702	79.6
Ida	5060	4249	84.0	1263	1076	85.2	1971	1763	89.4	1826	1410	77.2
Iowa	8701	7381	84.8	2289	2029	88.6	3186	2919	91.6	3226	2433	75.4
Jackson	11407	9520	83.5	3902	3481	89.2	2938	2582	87.9	4567	3457	75.7
Jasper	19756	16750	84.8	7811	6755	86.5	5940	5295	89.1	6005	4700	78.3

Table 7. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1984 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	9097	7706	84.7	2643	2280	86.3	3402	3037	89.3	3052	2389	78.3
Johnson	57065	45429	79.6	22634	18863	83.3	11310	9354	82.7	23121	17212	74.4
Jones	10673	8903	83.4	4248	3627	85.4	3429	3018	88.0	2996	2258	75.4
Keokuk	6807	5775	84.8	2330	2057	88.3	2372	2127	89.7	2105	1591	75.6
Kossuth	12077	9900	82.0	4696	4028	85.8	3494	3028	86.7	3887	2844	73.2
Lee	21586	17909	83.0	8357	7112	85.1	4682	4102	87.6	8547	6695	78.3
Linn	101663	83709	82.3	34623	29032	83.9	22914	19808	86.4	44126	34869	79.0
Louisa	5588	4620	82.7	1399	1187	84.8	2468	2153	87.2	1721	1280	74.4
Lucas	5878	5143	87.5	2278	1994	87.5	2428	2232	91.9	1172	917	78.2
Lyon	6808	5773	84.8	1096	923	84.2	4659	4063	87.2	1053	787	74.7
Madison	7127	6305	88.5	2890	2598	89.9	2460	2272	92.4	1777	1435	80.8
Mahaska	12428	10378	83.5	4081	3471	85.1	4473	3990	89.2	3874	2917	75.3
Marion	16092	13732	85.3	6732	5905	87.7	4447	3919	88.1	4913	3908	79.5
Marshall	24207	19955	82.4	6912	5844	84.5	9361	8231	87.9	7934	5880	74.1
Mills	6460	5576	86.3	1381	1170	84.7	3550	3254	91.7	1529	1152	75.3
Mitchell	6790	5826	85.8	1649	1433	86.9	3100	2781	89.7	2041	1612	79.0
Monona	6119	5045	82.4	2141	1868	87.2	1669	1460	87.5	2309	1717	74.4
Monroe	4981	4374	87.8	2049	1831	89.4	1593	1459	91.6	1339	1084	81.0
Montgomery	7076	5940	83.9	1536	1290	84.0	3679	3247	88.3	1861	1403	75.4
Muscatine	19525	15237	78.0	4404	3446	78.2	6495	5589	86.1	8626	6202	71.9
O'Brien	9281	7637	82.3	1738	1476	84.9	4609	4042	87.7	2934	2119	72.2
Osceola	4215	3502	83.1	888	757	85.2	2608	2235	85.7	719	510	70.9
Page	9060	7899	87.2	1631	1374	84.2	5050	4623	91.5	2379	1902	79.9
Palo Alto	6919	5864	84.8	2848	2552	89.6	1467	1308	89.2	2604	2004	77.0
Plymouth	12213	10140	83.0	2903	2411	83.1	5364	4758	88.7	3946	2971	75.3
Pocahontas	6257	5268	84.2	2010	1774	88.3	2045	1820	89.0	2202	1674	76.0
Polk	193448	146212	75.6	92536	71182	76.9	56759	44792	78.9	44153	30238	68.5
Pottawattamie	42602	34260	80.4	13966	11255	80.6	14828	12878	86.8	13808	10127	73.3
Poweshiek	11188	9043	80.8	3859	3240	84.0	3750	3314	88.4	3579	2489	69.5
Ringgold	3630	3188	87.8	1158	1019	88.0	1808	1651	91.3	664	518	78.0
Sac	7490	5820	77.7	1771	1423	80.4	2992	2516	84.1	2727	1881	69.0
Scott	88157	79612	90.3	28485	25307	88.8	23057	21555	93.5	36615	32750	89.4
Shelby	8020	6661	83.1	2976	2580	86.7	2503	2239	89.5	2541	1842	72.5
Sioux	16246	14392	88.6	1872	1618	86.4	10557	9673	91.6	3817	3101	81.2
Story	51834	38261	73.8	13913	10991	79.0	15220	11936	78.4	22701	15334	67.5
Tama	10692	9140	85.5	3309	2895	87.5	3549	3184	89.7	3834	3061	79.8
Taylor	4834	4109	85.0	1349	1162	86.1	2333	2097	89.9	1152	850	73.8
Union	8054	6624	82.2	2543	2122	83.4	2972	2618	88.1	2539	1884	74.2
Van Buren	4564	3830	83.9	1059	897	84.7	2489	2189	87.9	1016	744	73.2
Wapello	22498	17869	79.4	11203	9344	83.4	4024	3403	84.6	7271	5122	70.4
Warren	19944	16679	83.6	8333	7230	86.8	5732	4982	86.9	5879	4467	76.0
Washington	9427	7810	82.8	2348	2056	87.6	3571	3179	89.0	3508	2575	73.4
Wayne	4889	4157	85.0	1847	1602	86.7	2003	1785	89.1	1039	770	74.1
Webster	24786	19644	79.3	10272	8394	81.7	5651	4685	82.9	8863	6565	74.1
Winnebago	7222	6354	88.0	1656	1479	89.3	2604	2398	92.1	2962	2477	83.6
Winneshiek	11026	9266	84.0	2468	2120	85.9	4378	3963	90.5	4180	3183	76.1
Woodbury	50840	42665	83.9	17705	14924	84.3	14630	12843	87.8	18505	14898	80.5
Worth	4726	4310	91.2	1504	1387	92.2	1820	1705	93.7	1402	1218	86.9
Wright	8042	6780	84.3	1949	1669	85.6	3459	3069	88.7	2634	2042	77.5
State of Iowa	1631196	1339886	82.1	569887	477406	83.8	512336	445533	87.0	548973	416947	76.0

Table 8. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1982.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Adair	5357	4116	76.8	1361	1121	82.4	2469	2032	82.3	1527	963	63.1
Adams	3333	2463	73.9	990	778	78.6	1306	1071	82.0	1037	614	59.2
Allamakee	7702	5353	69.5	1598	1174	73.5	4028	3162	78.5	2076	1017	49.0
Appanoose	8264	5572	67.4	3250	2364	72.7	2715	2024	74.5	2299	1184	51.5
Audubon	4603	3752	81.5	1646	1439	87.4	1457	1289	88.5	1500	1024	68.3
Benton	13022	8968	68.9	4104	3123	76.1	3339	2661	79.7	5579	3184	57.1
Black Hawk	74319	56352	75.8	25209	19734	78.3	22592	18979	84.0	26518	17639	66.5
Boone	14365	9668	67.3	4627	3525	76.2	4005	2995	74.8	5733	3148	54.9
Bremer	13696	9285	67.8	2728	2003	73.4	4491	3584	79.8	6477	3698	57.1
Buchanan	10857	7942	73.2	3580	2832	79.1	3541	2827	79.8	3736	2283	61.1
Buena Vista	11769	7589	64.5	3282	2237	68.2	4166	3136	75.3	4321	2216	51.3
Butler	8167	6030	73.8	1733	1300	75.0	4706	3743	79.5	1728	987	57.1
Calhoun	7631	4898	64.2	2100	1496	71.2	2305	1690	73.3	3226	1712	53.1
Carroll	11519	8184	71.0	6275	4836	77.1	2455	1848	75.3	2789	1500	53.8
Cass	9376	6334	67.6	2139	1578	73.8	4957	3730	75.2	2280	1026	45.0
Cedar	10636	6783	63.8	2739	1795	65.5	3769	2835	75.2	4128	2153	52.2
Cerro Gordo	26597	19264	72.4	8696	6835	78.6	8164	6743	82.6	9737	5686	58.4
Cherokee	8675	6029	69.5	2687	2009	74.8	3076	2415	78.5	2912	1605	55.1
Chickasaw	8613	6067	70.4	3420	2698	78.9	2431	1939	79.8	2762	1430	51.8
Clarke	5178	3719	71.8	1847	1444	78.2	1687	1382	81.9	1644	893	54.3
Clay	10011	7004	70.0	2571	1831	71.2	3271	2662	81.4	4169	2511	60.2
Clayton	10791	7760	71.9	3859	2986	77.4	3709	2919	78.7	3223	1855	57.6
Clinton	29896	19374	64.8	8053	5402	67.1	9315	7098	76.2	12528	6874	54.9
Crawford	9338	6471	69.3	3228	2491	77.2	2866	2093	73.0	3244	1887	58.2
Dallas	15352	11316	73.7	5958	4592	77.1	4165	3425	82.2	5229	3299	63.1
Davis	4650	3576	76.9	2229	1833	82.2	1424	1155	81.1	997	588	59.0
Decatur	5435	3620	66.6	2138	1541	72.1	1900	1449	76.3	1397	630	45.1
Delaware	9014	6422	71.2	2482	1926	77.6	3249	2564	78.9	3283	1932	58.8
Des Moines	23493	15396	65.5	9424	6684	70.9	5455	4120	75.5	8614	4592	53.3
Dickinson	8528	5903	69.2	2222	1664	74.9	2765	2182	78.9	3541	2057	58.1
Dubuque	49282	33210	67.4	25916	19702	76.0	7734	5564	71.9	15632	7944	50.8
Emmet	6948	4481	64.5	2274	1475	64.9	2750	1999	72.7	1924	1007	52.3
Fayette	13354	9767	73.1	3948	3135	79.4	4967	3971	79.9	4439	2661	59.9
Floyd	10389	7361	70.9	3286	2399	73.0	3758	2992	79.6	3345	1970	58.9
Franklin	6576	4695	71.4	1522	1191	78.3	3583	2750	76.8	1471	754	51.3
Fremont	4706	3232	68.7	1663	1287	77.4	1768	1343	76.0	1275	602	47.2
Greene	7063	4848	68.6	2266	1695	74.8	2542	1990	78.3	2255	1163	51.6
Grundy	8120	6053	74.5	1352	1023	75.7	4377	3634	83.0	2391	1396	58.4
Guthrie	6649	4530	68.1	2268	1672	73.7	2700	2067	76.6	1681	791	47.1
Hamilton	9314	6715	72.1	2420	1844	76.2	3872	3153	81.4	3022	1718	56.8
Hancock	6976	4795	68.7	1707	1243	72.8	3093	2351	76.0	2176	1201	55.2
Hardin	11967	8410	70.3	3852	2933	76.1	4643	3550	76.5	3472	1927	55.5
Harrison	8372	5609	67.0	3536	2512	71.0	2906	2170	74.7	1930	927	48.0
Henry	10069	6495	64.5	2511	1769	70.5	4262	3221	75.6	3296	1505	45.7
Howard	6289	4622	73.5	2346	1882	80.2	1813	1503	82.9	2130	1237	58.1
Humboldt	7458	4725	63.4	1918	1353	70.5	2844	2084	73.3	2696	1288	47.8
Ida	5199	3445	66.3	1211	868	71.7	2073	1611	77.7	1915	966	50.4
Iowa	8751	6218	71.1	2309	1853	80.3	3145	2516	80.0	3297	1849	56.1
Jackson	10792	7678	71.1	3844	3015	78.4	2858	2360	82.6	4090	2303	56.3
Jasper	19579	14109	72.1	7819	6003	76.8	5962	4667	78.3	5798	3439	59.3

Table 8. Number Registered to Vote, Number That Voted, and Percent That Voted in Iowa Counties in the November Election by Total and Party Affiliation, 1982 (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted	Registered	Voted	Percent Voted
Jefferson	8451	5382	63.7	2310	1569	67.9	3403	2570	75.5	2738	1243	45.4
Johnson	48067	33290	69.3	19278	14972	77.7	9835	7264	73.9	18954	11054	58.3
Jones	10316	7509	72.8	4250	3234	76.1	3300	2640	80.0	2766	1635	59.1
Keokuk	6699	4785	71.4	2385	1817	76.2	2354	1877	79.7	1960	1091	55.7
Kossuth	12206	7995	65.5	4800	3459	72.1	3551	2633	74.1	3855	1903	49.4
Lee	21499	13039	60.6	7739	5226	67.5	4893	3511	71.8	8867	4302	48.5
Linn	95022	62231	65.5	31698	22452	70.8	21998	16603	75.5	41326	23176	56.1
Louisa	5492	3681	67.0	1356	965	71.2	2394	1884	78.7	1742	832	47.8
Lucas	5633	4144	73.6	2226	1687	75.8	2417	1942	80.3	990	515	52.0
Lyon	7205	3830	53.2	1156	654	56.6	4745	2735	57.6	1304	441	33.8
Madison	7406	5534	74.7	2702	2183	80.8	2633	2211	84.0	2071	1140	55.0
Mahaska	12183	8516	69.9	3845	2865	74.5	4605	3626	78.7	3733	2025	54.2
Marion	15645	10251	65.5	6372	4538	71.2	4399	3230	73.4	4874	2483	50.9
Marshall	22751	16182	71.1	6490	4820	74.3	8920	7026	78.8	7341	4336	59.1
Mills	6030	3863	64.1	1530	999	65.3	3080	2214	71.9	1420	650	45.8
Mitchell	6883	4910	71.3	1731	1350	78.0	2936	2368	80.7	2216	1192	53.8
Monona	6342	4142	65.3	2211	1610	72.8	1777	1315	74.0	2354	1217	51.7
Monroe	4985	3511	70.4	2052	1582	77.1	1675	1319	78.7	1258	610	48.5
Montgomery	6959	4130	59.3	1577	920	58.3	3704	2537	68.5	1678	673	40.1
Muscatine	19658	10520	53.5	4486	2324	51.8	6462	4584	70.9	8710	3612	41.5
O'Brien	9047	5690	62.9	1719	1104	64.2	4567	3330	72.9	2761	1256	45.5
Osceola	4157	2920	70.2	919	665	72.4	2402	1830	76.2	836	425	50.8
Page	8637	5419	62.7	1651	1058	64.1	4246	3094	72.9	2740	1267	46.2
Palo Alto	7080	5042	71.2	2950	2380	80.7	1542	1268	82.2	2588	1394	53.9
Plymouth	11980	7509	62.7	3057	2026	66.3	4813	3480	72.3	4110	2003	48.7
Pocahontas	6483	4362	67.3	2062	1508	73.1	1879	1473	78.4	2542	1381	54.3
Polk	178035	117316	65.9	86633	60854	70.2	52538	37168	70.7	38864	19294	49.6
Pottawattamie	39963	23473	58.7	12894	8162	63.3	13797	9409	68.2	13272	5902	44.5
Poweshiek	11071	7629	68.9	3717	2802	75.4	3732	2925	78.4	3622	1902	52.5
Ringgold	3792	2850	75.2	1153	906	78.6	1888	1571	83.2	751	373	49.7
Sac	7707	5018	65.1	1788	1209	67.6	3097	2374	76.7	2822	1435	50.9
Scott	75575	51103	67.6	22742	15780	69.4	21216	16485	77.7	31617	18838	59.6
Shelby	7758	5362	69.1	2870	2209	77.0	2347	1800	76.7	2541	1353	53.2
Sioux	15717	9496	60.4	1798	1047	58.2	10422	7052	67.7	3497	1397	39.9
Story	42053	28435	67.6	11498	8818	76.7	12680	9203	72.6	17875	10414	58.3
Tama	10654	7676	72.0	3127	2545	81.4	3513	2853	81.2	4014	2278	56.8
Taylor	4929	3407	69.1	1415	1014	71.7	2293	1754	76.5	1221	639	52.3
Union	7758	5415	69.8	2543	1922	75.6	2787	2146	77.0	2428	1347	55.5
Van Buren	4436	3024	68.2	1075	781	72.7	2160	1663	77.0	1201	580	48.3
Wapello	21952	14430	65.7	10354	7607	73.5	4231	3191	75.4	7367	3632	49.3
Warren	18692	13128	70.2	7512	5671	75.5	5554	4293	77.3	5626	3164	56.2
Washington	9157	6191	67.6	2390	1784	74.6	3736	2857	76.5	3031	1550	51.1
Wayne	4836	3507	72.5	1747	1333	76.3	2006	1579	78.7	1083	595	54.9
Webster	24985	15848	63.4	10129	6890	68.0	5790	4122	71.2	9066	4836	53.3
Winnebago	7284	5599	76.9	1639	1329	81.1	2730	2322	85.1	2915	1948	66.8
Winneshiek	10952	7358	67.2	2320	1638	70.6	4072	3234	79.4	4560	2486	54.5
Woodbury	51822	30489	58.8	17692	10940	61.8	14751	9931	67.3	19379	9618	49.6
Worth	4687	3779	80.6	1473	1262	85.7	1688	1464	86.7	1526	1053	69.0
Wright	8077	5367	66.4	1978	1443	73.0	3232	2470	76.4	2867	1454	50.7
State of Iowa	1556748	1050495	67.5	537182	390038	72.6	496218	375678	75.7	523348	284779	54.4

Table 9. Number Registered to Vote and Percent That Voted by Age Categories in November Elections in Iowa Counties, 1996 and 1994.

County	1996										1994									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Adair	499	37.5	663	56.9	1488	80.9	1015	85.9	1578	85.0	413	37.3	682	64.1	1351	80.5	992	87.6	1532	82.7
Adams	276	38.4	368	59.2	813	79.6	723	84.8	849	86.7	240	42.9	332	63.0	779	81.0	659	84.7	848	84.8
Allamakee	921	27.4	1179	47.5	2392	70.0	1801	81.7	2246	83.4	823	20.8	1108	48.0	2199	67.4	1676	76.7	2215	78.1
Appanoose	882	33.9	1058	54.3	2161	72.7	1686	81.3	2261	81.0	726	24.0	940	43.6	1991	62.4	1513	76.0	2218	75.2
Audubon	374	37.7	609	57.0	1216	78.4	989	84.0	1433	83.2	332	29.8	614	51.1	1176	70.1	968	73.8	1428	75.9
Benton	1518	35.2	2447	57.8	4467	76.1	2919	83.8	3128	82.2	1271	25.5	2221	51.5	3908	70.7	2638	78.8	2973	74.9
Black Hawk	10456	40.5	13133	48.4	22288	75.2	14862	84.8	15375	84.6	10147	24.2	12169	40.3	21868	66.8	13979	78.5	14957	78.0
Boone	1614	41.0	2465	59.2	4927	77.5	3164	84.9	3633	83.3	1259	30.6	2172	49.1	4518	71.6	2898	79.6	3497	78.7
Bremer	1904	36.2	2052	50.8	4276	75.3	3211	83.7	3079	81.9	1800	21.5	1898	46.0	4084	66.7	2938	76.3	2964	73.8
Buchanan	1451	37.1	1842	58.4	3765	78.6	2504	86.4	2776	84.6	1154	21.5	1765	48.5	3482	68.2	2276	76.1	2720	74.5
Buena Vista	1546	34.7	1857	38.3	3547	69.6	2090	80.9	3215	79.6	1189	20.0	1742	35.4	3324	65.5	2002	75.5	3050	73.6
Butler	983	37.9	1267	57.8	2711	76.4	1952	83.2	2391	80.1	774	22.0	1153	44.8	2522	63.3	1769	73.0	2283	72.4
Calhoun	639	33.5	713	53.6	1861	73.0	1429	81.7	2083	81.4	568	25.5	704	50.7	1765	73.9	1383	78.5	1994	75.9
Carroll	1442	26.3	1730	49.9	3820	73.8	2410	82.0	3380	80.9	1101	23.1	1696	49.8	3510	72.5	2346	82.3	3204	77.5
Cass	922	37.5	1342	54.0	2817	74.1	2005	83.6	2606	81.1	762	22.0	1320	45.9	2564	66.5	1914	78.2	2519	74.4
Cedar	923	41.5	1647	56.9	3409	73.0	2220	84.1	2440	81.9	730	24.5	1490	49.7	3147	66.2	2029	80.1	2370	78.2
Cerro Gordo	2827	39.6	4514	58.9	8848	75.8	5651	84.7	6987	86.6	2731	23.4	4719	40.2	8568	62.8	5434	73.3	6836	75.7
Cherokee	956	34.0	1022	54.9	2610	77.9	1818	86.0	2276	83.9	768	21.2	1007	46.3	2447	66.9	1753	78.1	2142	76.3
Chickasaw	978	36.2	1201	59.3	2461	79.4	1726	86.8	2090	86.8	852	36.5	1110	60.9	2267	77.9	1645	84.5	1995	85.6
Clarke	545	39.6	849	51.7	1660	72.2	1118	82.2	1403	82.1	567	21.0	873	45.4	1555	66.0	1057	76.3	1374	79.5
Clay	1159	37.4	1512	55.0	3302	76.7	2000	85.2	2551	84.5	932	19.0	1388	45.5	3073	68.5	1913	76.4	2383	78.6
Clayton	1439	29.5	1576	53.6	3418	75.0	2343	84.3	2916	82.9	1297	23.7	1489	49.6	3065	73.2	2250	81.9	2812	80.3
Clinton	3348	31.8	5261	44.9	9791	68.3	6677	79.0	7357	79.2	3025	20.6	4870	35.6	9276	57.8	6386	69.9	7243	72.0
Crawford	1101	27.9	1353	51.1	2773	73.5	2049	83.9	2450	81.8	829	21.1	1285	45.6	2655	67.3	1899	80.8	2382	78.4
Dallas	2068	42.0	3831	61.8	7385	79.2	4169	86.7	3798	85.5	1719	30.4	3136	57.7	6513	75.4	3548	81.7	3612	80.7
Davis	589	44.3	665	64.5	1383	78.8	1073	87.0	1252	87.5	526	31.9	611	52.4	1295	73.8	989	82.4	1235	83.4
Decatur	740	37.7	703	49.9	1283	77.0	1038	85.5	1321	84.4	616	24.5	607	47.6	1192	69.6	993	78.3	1312	78.8
Delaware	1153	35.3	1707	55.8	3313	74.7	2082	83.8	2301	84.7	982	28.4	1674	52.0	2938	73.9	1965	78.9	2212	78.6
Des Moines	2571	37.3	4116	49.0	7999	71.3	5519	82.1	6022	81.3	2411	17.7	3982	34.6	7634	58.7	5096	72.2	5786	73.5
Dickinson	960	34.9	1306	54.5	2982	77.1	2237	83.1	3000	83.7	818	21.3	1170	42.4	2762	64.8	2004	72.3	2827	75.6
Dubuque	6161	37.2	9100	53.3	16118	76.1	10564	86.4	10907	85.6	5400	21.7	8381	39.4	15101	63.5	9973	76.4	10317	76.0
Emmet	908	29.1	823	47.6	1811	73.0	1291	79.2	1798	80.5	714	22.4	736	44.4	1690	69.6	1200	76.1	1736	76.8
Fayette	1423	34.8	1797	55.3	3709	78.2	2704	86.7	3515	85.7	1220	25.2	1771	53.2	3432	73.2	2594	80.6	3391	80.8

Table 9. Number Registered to Vote and Percent That Voted by Age Categories in November Elections in Iowa Counties, 1996 and 1994 (continued).

County	1996										1994									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Floyd	1020	29.3	1291	48.9	2721	70.9	2155	79.7	2684	79.6	882	21.4	1172	40.8	2574	64.5	2058	75.0	2637	76.5
Franklin	570	40.0	824	53.5	1890	75.8	1413	82.9	1819	83.4	430	30.9	777	50.1	1788	72.8	1342	80.7	1751	78.9
Fremont	660	33.3	697	49.6	1486	72.4	1039	83.2	1409	79.8	503	20.9	595	38.7	1325	62.9	932	73.0	1382	72.0
Greene	622	25.4	867	49.4	1877	68.9	1292	77.4	2102	73.4	456	22.6	827	51.5	1677	72.8	1236	81.3	1964	76.3
Grundy	759	34.5	1066	58.6	2313	75.3	1702	85.4	1975	81.6	580	27.4	950	49.6	2154	68.8	1600	76.7	1889	75.8
Guthrie	647	34.8	963	51.6	1988	73.2	1586	81.3	2006	80.2	528	23.3	919	49.2	1805	69.4	1524	79.7	1935	76.5
Hamilton	858	40.6	1347	54.9	2919	75.4	2061	83.6	2563	81.1	871	29.7	1422	49.4	2828	72.5	1988	77.2	2474	78.0
Hancock	870	32.2	927	52.9	2219	74.4	1459	84.9	1913	84.8	793	24.5	905	54.5	2013	72.2	1415	81.9	1859	79.1
Hardin	1339	28.8	1587	49.9	3410	72.5	2311	83.6	3425	82.7	1100	23.6	1424	50.0	3158	71.8	2189	80.3	3321	78.6
Harrison	983	35.1	1439	54.9	2733	72.2	1879	80.3	2287	77.6	774	25.2	1341	45.0	2397	66.9	1789	76.9	2181	78.4
Henry	1419	38.2	1832	54.6	3524	75.1	2262	84.0	2613	83.7	1298	25.3	1764	43.8	3286	64.8	2049	76.3	2530	75.7
Howard	516	34.9	728	58.1	1665	78.9	1195	87.1	1804	83.1	370	26.5	752	49.6	1532	70.9	1148	81.7	1801	79.3
Humboldt	564	38.1	789	63.8	1856	79.3	1369	86.1	1875	84.5	521	22.6	753	54.6	1699	73.6	1333	80.8	1821	79.6
Ida	539	32.8	710	57.9	1532	75.6	1004	82.3	1457	82.4	496	20.0	689	44.6	1437	61.1	986	72.8	1401	70.0
Iowa	914	37.2	1495	61.9	2971	78.8	1878	85.9	2242	82.8	804	23.6	1370	53.8	2582	71.4	1747	77.7	2132	76.0
Jackson	1344	37.3	1828	55.7	3599	75.4	2521	84.3	2892	83.2	1073	21.2	1705	41.6	3177	64.7	2429	75.9	2707	75.7
Jasper	2379	37.7	3528	60.4	6878	77.3	4682	86.7	5049	86.6	2079	31.8	3338	56.4	6372	73.0	4415	81.8	4824	81.2
Jefferson	1012	34.5	1319	49.7	4238	71.1	2131	77.9	2005	81.1	844	20.1	1182	36.0	4207	56.7	1771	69.7	1940	75.4
Johnson	12549	54.1	16732	55.7	19086	80.7	9243	87.9	6645	85.8	12692	25.4	16705	41.0	18406	69.3	8118	80.3	6346	78.0
Jones	1288	37.3	1831	58.2	3512	77.7	2417	85.4	2749	83.9	1003	27.5	1612	51.2	3092	71.8	2228	81.9	2609	78.7
Keokuk	744	41.7	1023	56.3	1993	73.6	1416	83.8	1960	84.1	635	34.0	977	54.6	1799	72.9	1340	84.4	1898	82.0
Kossuth	1117	35.4	1426	60.0	3374	81.2	2442	86.5	3027	83.3	853	25.0	1400	55.6	3064	76.7	2363	82.2	2892	78.2
Lee	2394	35.6	3370	49.0	6977	69.6	4864	80.6	5415	82.1	2073	18.6	3155	34.6	6605	56.4	4454	68.7	5244	72.0
Linn	12124	42.5	21642	58.5	35973	79.2	22194	86.6	19415	86.1	10319	22.9	20040	42.6	33717	65.5	20481	75.3	18258	75.9
Louisa	696	34.6	990	53.3	1964	70.2	1308	80.0	1383	75.2	555	20.4	899	35.7	1810	58.3	1194	70.0	1300	71.1
Lucas	526	36.9	793	56.9	1539	77.4	1224	85.4	1565	84.6	505	27.5	759	48.1	1408	70.0	1196	79.2	1491	80.3
Lyon	991	37.3	1158	58.9	2179	76.5	1435	84.6	1824	77.9	902	18.2	1126	39.3	2019	59.9	1394	70.5	1727	65.1
Madison	882	42.5	1248	63.3	2683	79.4	1628	87.5	1873	85.5	771	27.8	1179	53.9	2384	75.9	1522	83.2	1851	79.1
Mahaska	1289	38.9	1964	56.7	3818	73.5	2437	83.1	3110	83.0	1026	27.9	1832	42.2	3453	60.7	2284	71.0	3036	77.2
Marion	2356	40.3	2977	55.3	5704	73.2	3747	81.8	4075	82.9	1835	24.3	2684	45.9	5151	64.5	3400	74.6	3852	75.1
Marshall	2263	38.3	3815	49.4	7516	72.7	5330	81.8	5776	81.1	2057	30.0	3444	48.1	7077	71.0	4916	79.8	5406	77.2
Mills	997	36.8	1380	55.2	2877	70.2	1764	80.7	1545	82.1	814	19.8	1224	37.0	2652	57.9	1501	70.5	1466	70.1
Mitchell	701	36.5	898	58.6	1875	76.5	1384	86.3	2002	85.1	617	24.5	874	49.9	1717	68.4	1326	82.1	1935	80.7

Table 9. Number Registered to Vote and Percent That Voted by Age Categories in November Elections in Iowa Counties, 1996 and 1994 (continued).

County	1996										1994									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Monona	617	29.0	709	55.0	1644	70.8	1276	79.4	1921	79.8	531	23.9	671	47.5	1464	64.6	1214	77.5	1842	76.4
Monroe	448	44.4	717	58.0	1366	73.7	1005	85.8	1336	80.8	376	26.6	693	40.7	1261	58.4	936	74.5	1283	70.9
Montgomery	811	33.9	1145	50.3	2221	69.5	1409	78.9	2217	77.6	700	20.3	976	36.7	2000	61.5	1311	69.3	2071	69.0
Muscatine	2409	38.9	3782	51.7	7209	70.3	4621	80.9	4180	81.0	1983	21.3	3506	35.6	6514	56.2	4046	68.5	3916	69.9
O'Brien	996	34.7	1213	56.5	2765	74.6	1811	80.7	2691	78.5	933	19.4	1241	44.3	2575	62.1	1785	71.4	2576	68.1
Osceola	454	35.5	602	58.3	1261	75.6	887	81.7	1134	79.4	363	19.0	554	48.2	1171	62.9	828	72.0	1110	70.8
Page	1137	34.1	1295	52.8	2820	73.5	1945	83.7	2796	82.8	786	17.0	1067	40.0	2475	63.4	1797	73.1	2617	74.4
Palo Alto	688	37.6	837	53.6	1744	77.0	1290	84.9	1852	84.9	609	22.7	801	47.6	1596	68.5	1301	79.3	1815	79.8
Plymouth	1440	34.2	2107	55.3	4453	74.9	2745	81.3	3267	81.0	906	22.3	1837	41.0	3795	65.2	2576	72.0	2984	73.6
Pocahontas	538	32.2	671	58.0	1631	76.9	1178	85.7	1687	84.1	409	20.5	679	46.4	1522	65.4	1180	72.9	1679	75.0
Polk	22588	42.8	45654	60.8	68625	78.8	39568	86.7	33778	88.4	17464	36.1	42830	56.0	65082	74.8	36690	82.7	33531	83.0
Pottawattamie	5338	36.6	8760	49.7	15366	69.2	9943	79.3	9821	81.0	3972	18.9	7660	33.5	13575	55.7	9096	66.8	9181	70.1
Poweshiek	1702	42.4	1560	55.5	3093	77.5	2210	86.1	2702	85.2	1634	28.3	1485	52.9	3001	70.9	2045	79.8	2599	79.6
Ringgold	351	41.0	453	64.2	896	80.4	753	87.9	1160	87.2	307	30.6	412	61.7	829	75.4	725	84.0	1090	83.3
Sac	752	27.1	911	49.7	2023	69.9	1435	80.8	2192	80.1	503	21.3	821	41.3	1867	63.4	1345	73.7	2134	71.8
Scott	9190	44.2	16232	59.0	29640	78.3	18489	86.1	15485	88.0	8194	21.0	16830	34.5	29963	58.2	17572	70.5	15309	74.1
Shelby	1042	25.0	1196	53.9	2439	74.0	1633	81.5	2372	81.2	853	17.2	1097	51.1	2155	71.1	1530	80.8	2260	76.4
Sioux	3083	47.0	2765	64.2	5299	82.7	3289	88.5	4180	84.1	2584	28.5	2521	55.0	4987	70.6	3151	78.1	4024	74.2
Story	10696	49.1	12717	41.9	13078	75.5	7332	85.1	6912	83.5	10126	29.2	9998	41.1	11880	73.3	6636	82.4	6460	78.9
Tama	1051	31.6	1496	53.4	3012	74.6	2273	83.3	2905	83.1	824	26.1	1416	50.5	2755	70.4	2186	81.6	2806	79.8
Taylor	422	38.4	597	55.8	1195	76.7	858	85.8	1414	84.0	309	18.4	513	43.1	1065	57.2	790	73.4	1368	74.5
Union	816	40.7	1129	52.3	2223	76.1	1574	84.3	2053	84.6	786	42.2	1071	57.4	2102	76.8	1485	84.9	2009	85.7
Van Buren	478	38.3	615	59.2	1268	77.2	999	83.9	1283	82.3	423	29.8	611	46.0	1139	69.5	962	75.7	1257	77.3
Wapello	2306	35.6	3441	46.2	6383	69.1	4400	78.4	5475	82.6	2137	18.8	3196	33.2	6100	57.1	4128	69.5	5327	72.8
Warren	2799	41.6	4393	57.1	8313	76.6	5124	84.4	3879	83.5	2732	28.3	4196	49.0	7870	68.8	4721	78.2	3652	76.2
Washington	1122	37.2	1938	55.3	3648	73.5	2248	82.3	2761	79.6	1028	31.3	1826	48.1	3343	65.0	2079	75.0	2601	74.2
Wayne	351	43.3	563	53.5	1122	76.3	922	84.4	1470	84.0	326	29.4	506	50.4	1046	71.4	863	79.5	1472	78.2
Webster	2411	31.3	3562	48.4	7028	70.6	4621	81.5	6240	81.9	1903	25.7	3226	46.5	6353	70.2	4308	78.9	5927	79.6
Winnebago	805	39.1	948	54.0	2248	77.6	1451	83.3	2081	81.5	619	21.6	929	49.2	2131	69.5	1382	80.5	2040	78.5
Winneshiek	1862	37.3	1889	50.6	3656	77.0	2366	85.5	2824	83.9	1657	19.6	1707	48.9	3378	71.4	2220	79.1	2728	76.9
Woodbury	5845	34.8	8880	52.9	16494	74.1	10069	83.7	11708	83.8	4907	21.7	8456	42.0	15746	62.8	9575	74.9	11582	75.2
Worth	417	45.3	734	65.3	1529	81.6	1052	88.2	1364	85.7	350	26.0	722	48.9	1360	70.8	991	80.7	1373	79.8
Wright	773	33.9	1015	52.4	2437	73.0	1692	81.6	2527	83.6	607	30.3	961	52.3	2246	71.1	1577	79.0	2433	79.1
State of Iowa	198946	39.8	294718	54.9	525822	75.8	338279	84.3	368568	83.7	171596	25.4	275625	45.3	492362	67.1	315378	77.0	355283	76.8



Table 10. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1992 and 1990.

County	1992										1990									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Adair	376	63.8	698	83.5	1251	91.2	1039	94.1	1592	89.1	347	39.8	773	68.8	1163	82.8	1030	86.3	1580	82.0
Adams	249	74.7	383	87.2	746	90.3	676	94.4	873	90.0	180	29.4	413	57.6	700	74.3	625	82.1	866	76.4
Allamakee	820	49.5	1167	81.7	2149	87.7	1682	90.9	2233	87.7	797	27.5	1147	60.4	1977	74.4	1612	82.7	2130	81.6
Appanoose	699	60.5	1019	82.6	1952	89.7	1505	91.6	2276	88.7	584	24.3	1070	51.4	1843	67.0	1472	74.7	2288	74.3
Audubon	317	67.2	636	84.4	1122	91.8	977	91.1	1384	87.9	345	51.9	689	67.1	1102	78.5	1027	83.9	1400	78.1
Benton	1251	57.7	2243	85.3	3681	91.7	2547	93.4	2974	89.6	1217	26.5	2090	60.2	3385	75.6	2511	80.5	2903	73.7
Black Hawk	10778	69.6	11624	79.4	20996	90.7	13655	93.2	14498	90.0	8809	30.3	11909	47.5	20118	69.2	13661	77.5	14144	77.7
Boone	1312	66.4	2360	80.3	4404	88.7	2936	91.1	3570	86.6	1198	33.0	2378	56.4	3949	72.6	2900	79.8	3489	75.6
Bremer	1967	64.3	2054	79.9	4058	88.0	2839	91.1	2977	85.8	1719	27.9	1825	52.4	3701	70.0	2635	76.9	2836	74.4
Buchanan	1067	62.5	1914	81.2	3364	89.6	2266	92.0	2737	90.0	937	27.3	1750	56.5	3035	73.4	2194	80.6	2697	76.5
Buena Vista	1265	51.5	1733	74.6	3183	87.0	2038	92.2	3023	86.6	1194	29.1	1755	58.5	2916	74.0	2150	80.0	2838	78.0
Butler	781	58.8	1298	78.4	2507	86.6	1743	90.1	2306	84.3	591	25.9	1111	57.1	2253	69.0	1651	77.2	2104	76.0
Calhoun	501	56.1	787	80.8	1756	89.9	1403	92.8	2004	88.6	451	23.3	876	55.9	1621	72.2	1409	78.3	2035	74.4
Carroll	929	57.7	1848	81.1	3333	90.5	2369	91.6	3141	87.6	912	26.1	1975	53.0	3084	72.9	2441	76.8	3087	71.0
Cass	780	53.6	1362	79.4	2454	88.5	1891	93.2	2517	87.5	620	34.5	1284	62.3	2219	76.7	1857	84.8	2418	76.2
Cedar	713	64.1	1550	80.8	2971	89.9	1962	93.1	2278	87.6	642	30.8	1574	57.8	2689	71.6	1920	77.8	2207	75.8
Cerro Gordo	3000	59.4	5239	76.6	8283	87.1	5576	91.2	6912	88.5	2646	26.0	4996	54.0	7426	69.1	5544	80.2	6560	77.8
Cherokee	683	65.3	1159	87.1	2359	94.6	1797	95.7	2108	91.7	616	33.9	1281	59.6	2244	78.1	1871	84.9	2084	79.5
Chickasaw	839	51.4	1129	83.5	2104	91.5	1594	93.5	1968	88.3	893	24.9	1155	57.3	1983	75.3	1628	78.7	1930	80.5
Clarke	480	64.0	828	78.4	1402	88.2	1043	91.5	1331	88.2	436	34.6	834	56.8	1326	72.8	1038	80.1	1319	82.4
Clay	868	55.8	1559	84.9	2965	90.7	1921	92.1	2415	87.2	839	26.3	1573	56.6	2749	71.1	1970	77.3	2303	74.8
Clayton	1242	54.8	1609	82.8	2950	90.0	2265	92.5	2843	87.2	1182	27.1	1701	58.4	2778	74.8	2240	81.2	2805	80.5
Clinton	3200	59.4	5285	72.6	8824	85.3	6269	88.7	6992	86.2	3154	26.8	5147	48.0	8186	67.2	6094	76.6	6725	76.9
Crawford	1012	50.3	1386	79.6	2570	88.5	1886	93.3	2278	91.0	1030	18.9	1365	54.0	2462	71.6	1881	77.4	2250	73.1
Dallas	1605	61.5	3100	82.1	5899	89.9	3355	92.1	3492	88.7	1364	27.5	2854	57.3	5139	74.5	3215	79.8	3408	77.9
Davis	571	59.9	654	82.4	1261	90.5	970	92.4	1322	88.9	488	30.5	682	55.9	1227	71.4	964	79.1	1267	79.6
Decatur	629	64.4	668	78.9	1198	89.7	992	93.0	1341	88.7	489	22.9	706	52.7	1091	69.2	970	79.1	1376	75.1
Delaware	1019	56.7	1871	83.1	2823	89.6	2008	92.3	2165	88.7	1012	29.9	1875	59.9	2580	74.6	2071	80.3	2119	76.5
Des Moines	2316	66.3	4153	81.3	7423	90.6	5063	92.6	5603	89.6	2234	29.5	3997	53.1	7043	70.8	4861	79.3	5413	78.9
Dickinson	772	65.0	1270	82.0	2754	91.1	1946	92.7	2804	90.3	690	24.6	1244	53.2	2529	68.8	1872	74.7	2698	73.6
Dubuque	5526	67.6	8412	85.8	14364	93.5	9746	95.3	10055	91.4	5500	29.1	8650	53.0	13906	73.3	9741	80.2	9749	79.5
Emmet	638	56.9	834	82.3	1676	90.2	1237	93.7	1725	89.1	549	29.0	851	52.6	1579	72.3	1270	78.8	1708	76.3
Fayette	1301	54.9	1894	78.2	3411	89.7	2660	92.3	3432	89.3	1216	34.0	2054	64.2	3133	79.3	2646	84.9	3416	81.8

Table 10. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1992 and 1990 (continued).

County	1992										1990									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Floyd	934	52.2	1284	74.1	2618	85.8	2111	89.5	2592	88.3	888	24.1	1244	48.9	2476	68.2	2087	77.7	2569	77.9
Franklin	383	65.0	791	78.9	1733	90.1	1373	93.6	1735	87.0	358	36.9	791	62.6	1639	76.8	1386	84.3	1655	80.8
Fremont	506	55.9	640	77.0	1343	86.2	950	90.5	1444	85.7	454	30.2	588	68.2	1133	79.6	881	83.2	1380	81.7
Greene	453	64.2	881	80.6	1653	90.0	1281	94.0	1946	88.6	494	37.2	929	62.8	1594	76.6	1332	82.1	1844	78.6
Grundy	579	64.4	949	83.8	2060	91.4	1551	94.3	1871	88.7	480	29.4	951	61.6	1951	77.3	1508	83.2	1841	74.0
Guthrie	497	52.3	901	78.6	1747	87.7	1512	91.3	1888	86.1	415	28.0	864	57.2	1608	71.1	1474	77.0	1826	72.4
Hamilton	793	67.1	1456	84.3	2640	91.2	1984	92.8	2378	89.3	641	38.8	1454	58.0	2414	73.6	1986	79.2	2303	79.8
Hancock	694	58.4	953	83.7	1942	89.5	1389	92.7	1885	86.4	630	26.0	1150	57.0	1896	69.7	1496	76.7	1872	73.8
Hardin	1212	46.6	1566	78.0	3035	88.3	2238	92.4	3355	88.6	1342	27.0	1655	59.0	2854	75.1	2262	82.1	3292	79.8
Harrison	726	57.3	1351	78.9	2231	87.3	1742	90.7	2197	89.9	576	24.7	1176	47.8	1881	63.6	1602	74.1	2149	72.4
Henry	1200	55.5	1790	78.5	3226	86.6	1982	90.2	2529	87.1	1075	24.6	1685	51.2	2937	68.7	1890	76.6	2504	76.5
Howard	373	67.8	817	80.7	1501	88.7	1184	94.1	1812	90.4	357	29.7	851	56.9	1385	75.2	1205	81.7	1771	80.2
Humboldt	483	62.5	810	88.9	1646	92.2	1333	95.3	1798	91.4	508	23.6	928	60.6	1593	73.6	1390	85.0	1828	81.2
Ida	479	54.1	735	87.3	1368	90.8	971	92.2	1388	88.1	394	28.4	704	62.6	1219	73.7	993	79.6	1312	75.9
Iowa	794	54.7	1432	84.0	2337	92.9	1727	92.4	2130	89.0	722	28.9	1411	65.8	2095	79.3	1726	83.7	2087	83.7
Jackson	1070	59.2	1820	79.7	3071	91.1	2418	92.3	2641	89.8	1039	31.5	1727	62.4	2789	79.6	2334	84.0	2549	82.1
Jasper	2038	61.7	3630	83.5	6213	89.8	4428	91.8	4734	88.1	2035	28.6	3541	60.2	5704	73.0	4400	80.4	4495	76.7
Jefferson	844	58.3	1268	78.6	4259	88.2	1669	91.3	1942	89.7	757	23.2	1274	48.4	3644	64.1	1548	76.9	1873	78.6
Johnson	14449	81.7	14091	88.0	16722	93.7	7371	95.4	5947	90.3	15067	29.3	17312	42.4	16205	69.0	6930	77.4	5651	78.0
Jones	978	62.7	1654	84.2	3014	90.6	2207	93.6	2626	89.0	951	29.1	1584	60.2	2846	73.8	2157	83.2	2507	77.1
Keokuk	576	62.7	1052	80.2	1691	88.7	1355	91.7	1900	88.6	591	32.8	1120	53.9	1618	73.4	1360	80.7	1896	80.7
Kossuth	752	63.6	1528	84.5	2956	91.7	2366	93.0	2836	87.8	802	27.8	1760	59.9	2829	76.9	2433	82.3	2925	76.5
Lee	2058	59.1	3506	76.1	6442	85.7	4427	90.1	5263	86.5	1976	26.9	3729	48.5	6138	65.6	4447	73.5	5099	75.7
Linn	10845	72.4	20138	87.9	31958	93.2	19761	94.7	17558	92.1	9755	30.0	19944	53.9	30176	70.0	18994	77.9	16991	77.0
Louisa	559	56.9	986	76.3	1774	87.8	1217	91.4	1364	84.8	517	29.2	1012	55.3	1651	69.0	1209	79.8	1317	78.9
Lucas	582	56.9	765	82.0	1389	91.2	1169	95.1	1535	88.7	575	24.7	739	58.3	1306	75.0	1108	81.7	1524	79.3
Lyon	875	47.7	1156	84.8	1876	89.8	1404	90.0	1721	82.3	834	24.2	1073	63.8	1673	72.7	1422	77.7	1619	68.6
Madison	717	58.0	1219	83.0	2202	91.8	1481	92.6	1886	86.7	572	35.7	1127	65.3	1999	79.9	1455	82.7	1859	83.1
Mahaska	1021	65.8	2003	82.6	3299	90.7	2356	92.1	3040	89.8	904	33.5	1954	59.6	2971	74.1	2279	80.7	2937	79.4
Marion	1960	64.0	2720	77.2	4908	85.0	3365	86.7	3829	84.5	2277	30.7	2809	56.9	4603	72.4	3160	78.7	3692	77.1
Marshall	2231	57.9	3722	73.3	7090	86.0	4779	89.2	5426	84.5	2161	32.0	3650	56.3	6554	73.6	4516	80.0	5054	75.0
Mills	728	63.5	1124	82.7	2442	89.7	1408	93.4	1414	89.0	651	24.1	1145	43.1	2232	62.9	1343	72.0	1385	70.8
Mitchell	591	61.1	966	81.2	1689	90.2	1345	94.0	1936	90.4	615	30.7	972	61.2	1565	74.7	1368	85.1	1871	81.2

Table 10. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1992 and 1990 (continued).

County	1992										1990									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Monona	595	45.4	702	81.8	1415	89.6	1209	92.8	1843	87.7	488	17.2	706	53.1	1309	66.8	1241	74.0	1816	69.2
Monroe	419	66.6	704	82.0	1237	90.1	948	93.1	1338	90.2	410	34.4	712	64.6	1142	75.6	930	85.4	1332	84.2
Montgomery	643	52.3	1026	73.5	1908	84.7	1369	87.1	2106	84.2	493	24.9	939	44.7	1708	65.2	1328	73.3	1990	72.1
Muscatine	2224	58.9	3959	74.5	6515	84.4	4018	88.4	4041	83.5	1913	27.2	3725	44.6	5906	62.4	3785	72.9	3890	74.3
O'Brien	902	53.8	1291	83.3	2401	91.3	1853	91.6	2533	85.8	702	24.4	1264	62.6	2168	73.7	1893	78.5	2473	71.5
Osceola	384	65.9	629	85.5	1143	89.7	874	93.7	1125	86.9	308	33.8	618	63.6	1027	73.0	851	78.3	1083	74.4
Page	750	60.0	1164	81.4	2484	89.0	1808	92.0	2575	89.4	548	24.8	1140	45.7	2330	66.1	1770	76.0	2547	73.8
Palo Alto	639	62.9	867	83.5	1549	90.8	1341	92.2	1845	89.3	578	30.1	983	54.5	1475	74.2	1433	80.5	1822	76.9
Plymouth	955	64.7	1916	84.1	3647	91.1	2559	93.2	2912	89.3	913	29.2	1946	52.1	3378	67.9	2523	75.7	2829	72.1
Pocahontas	465	56.8	770	81.8	1509	89.9	1226	91.5	1678	88.3	442	24.7	861	54.9	1435	72.1	1279	75.2	1722	74.4
Polk	20335	72.7	43424	86.0	61450	91.4	34952	93.4	32216	91.6	17903	34.8	41277	55.9	57009	70.9	33820	78.7	31348	78.3
Pottawattamie	4117	69.2	7970	81.5	12993	88.4	8992	91.4	8743	88.8	3247	26.5	7668	44.4	11641	63.1	8753	72.3	8324	72.7
Poweshiek	1687	60.3	1609	81.7	2824	90.2	2090	93.3	2541	90.5	1993	30.5	1680	56.8	2628	73.8	2023	80.6	2525	79.2
Ringgold	293	62.1	447	75.2	811	88.8	756	91.9	1093	88.8	289	32.9	450	67.1	742	78.3	774	85.7	1064	85.2
Sac	614	41.2	1049	66.0	1843	80.4	1446	85.3	2283	78.9	497	21.1	888	51.2	1558	65.3	1443	73.5	2034	66.6
Scott	8694	68.3	17586	78.5	28971	88.1	17035	91.3	14956	88.8	7888	23.2	17585	40.1	27074	60.4	16423	71.1	14407	73.5
Shelby	819	48.4	1112	82.5	1975	90.4	1599	93.3	2165	89.0	747	18.6	1109	58.5	1858	73.3	1591	79.7	2086	75.0
Sioux	2373	63.1	2671	86.5	4643	92.4	3200	94.1	3937	89.2	2201	30.3	2767	63.9	4307	75.1	3126	81.0	3722	74.9
Story	11771	74.1	9180	73.8	11429	86.7	6410	90.2	6267	86.9	10528	33.0	9644	48.3	10482	75.2	6034	82.9	6029	78.4
Tama	816	64.3	1429	83.6	2635	92.4	2185	93.5	2772	89.0	741	33.5	1320	62.0	2389	78.1	2167	83.0	2711	77.8
Taylor	373	59.8	610	73.8	1115	82.9	853	88.2	1449	85.4	321	42.1	643	59.6	1037	73.0	901	81.2	1459	82.0
Union	673	65.7	1084	79.6	1991	90.2	1444	93.5	1947	89.6	669	29.3	1263	52.1	1963	70.5	1471	79.1	2052	74.6
Van Buren	430	59.5	633	78.5	1125	89.9	960	91.0	1279	87.3	382	36.9	600	61.3	1017	78.8	884	81.4	1266	80.9
Wapello	2248	61.3	3277	76.3	5910	86.0	4134	91.0	5327	87.8	1760	25.8	3029	46.9	5255	64.6	4083	75.1	5263	75.9
Warren	2690	68.9	4168	83.3	7466	91.1	4392	93.0	3452	89.5	2579	34.0	4084	55.3	6931	73.3	4111	79.7	3243	77.2
Washington	995	64.7	1852	82.5	3177	89.7	2009	90.6	2580	86.6	734	33.7	1708	53.6	2712	70.5	1865	79.4	2390	77.7
Wayne	291	65.3	507	84.2	982	88.1	867	92.0	1466	89.3	286	29.4	560	58.2	922	74.1	877	82.3	1472	82.8
Webster	1952	59.8	3588	80.0	6187	89.2	4512	92.5	5868	90.4	1734	28.4	3404	52.7	5592	68.5	4546	78.1	5694	76.9
Winnebago	620	63.2	998	81.1	2094	87.9	1409	91.6	2024	87.5	514	29.4	1061	64.2	1904	77.7	1435	84.7	1981	82.4
Winneshiak	1958	61.2	1907	80.8	3276	90.5	2249	92.9	2729	87.7	1957	21.5	1918	51.8	3021	72.8	2292	77.9	2609	77.5
Woodbury	5014	59.2	8972	79.8	15293	88.2	9661	91.7	11490	88.7	4532	22.7	8593	48.4	13993	66.1	9696	74.7	11169	72.8
Worth	392	71.9	788	87.1	1338	93.5	1007	95.9	1403	91.2	321	44.5	653	68.3	1208	80.2	983	88.5	1337	83.9
Wright	501	65.3	1015	85.3	2055	92.1	1633	92.8	2453	89.6	390	37.2	1046	56.8	1894	69.6	1644	78.1	2372	76.8
State of Iowa	180118	66.2	282334	81.9	471659	89.8	310710	92.4	350151	88.8	165302	29.4	282281	52.7	437329	70.4	304627	78.3	339690	76.8

Table 11. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1988 and 1986.

County	1988										1986									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Adair	335	24.5	746	62.7	1193	83.5	1023	88.6	1587	91.9	366	30.1	924	59.8	1169	75.5	1127	79.9	1559	77.4
Adams	190	26.8	386	65.3	694	80.8	640	88.3	861	90.1	273	36.6	567	59.8	787	71.5	727	80.1	915	79.5
Allamakee	798	24.3	1141	62.5	2006	79.0	1622	83.1	2166	87.6	855	30.5	1303	58.8	1690	74.6	1681	80.7	2013	79.7
Appanoose	600	27.5	1049	66.6	1920	79.7	1486	85.4	2319	88.7	684	22.4	1435	42.2	1826	59.4	1659	71.0	2350	74.0
Audubon	323	18.3	685	53.4	1104	70.9	1026	77.3	1413	81.0	364	29.1	747	56.0	1043	66.6	1037	76.0	1280	73.0
Benton	1177	27.8	2042	64.4	3428	83.4	2508	89.0	2965	90.3	1247	25.7	2306	53.3	3241	67.2	2587	71.9	2878	69.8
Black Hawk	8152	32.3	11644	62.8	20365	83.2	13534	89.3	14348	90.2	9859	26.2	16295	43.2	19489	65.6	14495	76.6	12936	76.5
Boone	1262	30.7	2360	60.7	4108	79.8	2907	86.8	3574	88.2	1257	27.5	2854	49.2	3675	65.0	2906	77.9	3571	74.1
Bremer	1668	26.3	1851	58.4	3716	79.9	2672	88.4	2888	87.8	1507	24.5	2272	51.9	3641	70.9	2557	78.7	2771	73.6
Buchanan	1001	22.1	1850	60.4	3190	78.1	2269	86.1	2741	87.6	1090	23.7	2303	50.9	2923	69.3	2375	77.3	2550	75.1
Buena Vista	1125	32.0	1690	60.7	2947	80.0	2097	86.9	2897	88.8	1052	27.3	2071	56.3	2503	72.7	2411	80.8	2687	76.7
Butler	574	25.4	1060	56.7	2311	74.7	1657	81.1	2127	85.2	583	28.6	1323	54.3	2074	69.4	1751	74.8	2014	76.7
Calhoun	471	35.7	796	67.8	1678	82.7	1378	89.6	2032	88.4	524	29.4	1128	60.1	1444	72.1	1541	76.8	2084	73.5
Carroll	801	29.0	1759	65.4	3093	83.6	2370	87.3	3090	88.5	1203	20.7	2524	46.0	2888	65.6	2645	73.5	2885	71.5
Cass	655	28.1	1305	59.8	2291	78.1	1871	85.8	2482	87.8	683	22.5	1589	46.1	2201	63.6	1929	73.6	2423	69.4
Cedar	634	28.1	1510	60.9	2758	82.1	1923	88.5	2274	88.3	741	26.9	1972	38.8	2741	54.4	2073	59.1	2233	59.5
Cerro Gordo	2721	25.9	4991	62.8	7731	81.1	5505	88.5	6760	88.8	2281	35.2	5400	55.9	6648	70.5	5830	78.7	6062	77.8
Cherokee	613	30.2	1179	71.2	2228	86.3	1849	90.3	2056	93.9	834	32.1	1698	62.4	2133	73.4	2050	83.0	2018	79.4
Chickasaw	877	21.9	1094	65.1	2021	85.2	1618	89.1	1938	89.0	1066	29.3	1603	52.9	2038	69.8	1767	77.5	1940	78.3
Clarke	480	23.3	876	51.9	1389	76.2	1055	83.5	1339	89.7	387	32.6	963	54.0	1199	69.3	1056	82.0	1322	77.5
Clay	843	26.6	1477	65.5	2784	83.9	1912	88.1	2378	87.9	798	27.7	1889	57.8	2441	70.4	2121	77.7	2129	76.3
Clayton	1202	19.4	1655	60.4	2799	79.4	2247	85.0	2821	88.6	976	24.8	1761	56.6	2348	72.3	2286	77.9	2648	73.8
Clinton	3155	26.8	5086	58.6	8359	79.1	6093	84.1	6776	86.3	3618	20.9	7222	35.2	8705	55.0	6575	69.3	6598	69.9
Crawford	995	24.3	1350	64.9	2462	83.8	1885	90.6	2243	92.6	986	23.3	1847	48.5	2457	63.0	2040	75.7	2240	73.5
Dallas	1405	25.3	2820	55.2	5283	76.4	3220	85.4	3495	86.8	1447	23.2	2987	55.0	4606	68.3	3190	75.0	3282	73.0
Davis	505	28.3	646	72.6	1217	82.3	960	88.0	1265	92.2	408	32.1	822	49.4	1154	68.7	991	73.2	1292	71.6
Decatur	490	36.5	663	64.9	1103	78.2	953	83.5	1356	86.5	578	29.4	867	52.7	1128	68.5	1067	79.1	1426	71.5
Delaware	1011	23.9	1800	62.3	2634	77.4	2028	83.4	2152	86.2	1148	22.0	1900	45.9	2198	60.9	2039	66.8	1940	66.7
Des Moines	2277	32.3	3961	60.8	7245	79.5	4951	87.7	5626	89.7	1940	25.0	4349	42.1	6447	59.2	5133	69.7	5151	68.4
Dickinson	690	26.2	1200	57.8	2565	76.6	1868	81.2	2760	85.6	603	33.2	1436	64.1	2065	75.9	1947	80.2	2467	77.2
Dubuque	5416	27.0	8565	62.5	14212	82.6	9786	89.1	10010	89.2	6295	21.4	9631	44.0	12908	67.1	9794	74.9	9090	70.7
Emmet	526	29.5	810	68.1	1613	84.0	1241	88.8	1710	89.6	597	18.6	1193	46.9	1563	63.4	1447	74.6	1630	71.1
Fayette	1178	24.2	2013	61.9	3205	81.1	2652	86.8	3427	88.3	1437	23.5	2281	53.6	2916	70.3	2727	75.7	3335	73.9

Table 11. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1988 and 1986 (continued).

County	1988										1986									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Floyd	827	26.2	1206	59.3	2475	80.7	2093	86.8	2599	89.8	1010	23.9	1413	51.4	2467	68.0	2142	75.9	2441	75.3
Franklin	347	27.7	786	61.3	1717	79.1	1376	85.8	1711	87.0	385	36.6	1071	61.5	1560	69.8	1484	76.1	1666	76.9
Fremont	478	25.3	621	59.4	1208	75.4	915	82.5	1417	84.5	434	26.0	778	59.8	1062	72.4	1072	80.1	1337	76.6
Greene	448	32.4	894	58.4	1599	78.0	1284	83.1	1909	82.7	642	23.7	1231	53.0	1561	66.8	1461	76.1	1898	69.9
Grundy	468	24.8	870	64.1	1994	84.6	1508	89.5	1852	89.7	549	26.4	1246	52.7	1955	68.4	1597	71.3	1826	69.9
Guthrie	406	24.4	868	56.8	1680	76.0	1463	79.4	1847	85.8	438	26.3	1024	50.2	1480	67.2	1499	71.1	1877	69.7
Hamilton	605	30.1	1394	64.0	2463	82.0	1970	88.9	2351	92.0	649	31.1	1518	57.0	2209	68.4	2098	76.9	2198	75.6
Hancock	620	27.1	1005	66.9	1862	81.5	1420	87.0	1852	87.4	842	26.6	1552	51.9	1807	66.0	1623	71.8	1811	71.8
Hardin	1293	24.1	1629	61.2	2903	79.4	2263	87.7	3348	88.6	1176	27.0	2102	56.7	2735	72.7	2463	80.4	3127	80.2
Harrison	588	26.4	1205	59.9	1956	78.6	1619	86.0	2170	89.4	710	25.5	1416	50.1	1985	66.1	1852	75.1	2258	73.8
Henry	1030	25.7	1637	58.5	2958	79.0	1891	84.2	2526	87.0	963	20.1	1813	45.6	2621	64.7	1971	70.4	2504	70.7
Howard	318	27.7	817	58.6	1454	79.0	1188	89.6	1813	89.5	555	29.2	971	61.0	1322	77.5	1355	84.3	1763	81.6
Humboldt	491	35.0	878	72.7	1621	84.7	1359	92.1	1866	92.0	573	30.4	1124	51.8	1475	70.5	1552	79.3	1760	77.7
Ida	428	21.0	705	61.7	1298	81.0	963	86.2	1354	87.9	426	31.7	873	60.7	1094	74.9	1135	80.1	1283	74.1
Iowa	685	22.0	1354	68.5	2149	84.5	1709	89.2	2113	91.0	1007	22.3	1547	53.5	1990	68.6	1787	74.3	2073	74.7
Jackson	1109	21.3	1751	56.1	2854	79.5	2359	85.3	2600	85.8	1173	26.3	2126	50.9	2721	67.3	2423	73.9	2477	70.7
Jasper	2018	23.0	3516	60.2	5878	79.6	4410	87.0	4607	87.6	1833	24.5	3618	53.6	5239	67.5	4551	74.5	4126	72.4
Jefferson	796	26.9	1322	61.6	3920	72.4	1572	86.2	1937	88.5	554	20.6	1682	35.1	2908	42.3	1582	67.6	1811	73.0
Johnson	13137	40.0	18058	58.5	17023	77.1	7072	86.8	5868	86.8	13804	27.3	15388	40.5	12915	63.5	6387	72.7	5070	71.7
Jones	915	24.7	1544	64.1	2854	82.5	2133	88.7	2550	88.9	1078	22.8	1890	49.1	2693	64.5	2288	71.9	2377	69.9
Keokuk	551	30.1	1044	63.6	1618	79.9	1338	87.4	1907	89.1	611	26.8	1094	48.2	1461	63.9	1441	73.0	1939	70.1
Kossuth	727	32.3	1697	69.4	2879	86.5	2400	90.3	2959	88.5	1053	26.6	2229	50.5	2704	67.2	2640	75.5	2789	72.0
Lee	1858	31.7	3648	65.5	6185	80.5	4435	88.1	5206	89.8	2293	31.4	4078	52.1	5684	68.3	4636	77.6	4785	75.7
Linn	9609	28.9	19494	64.1	30669	82.8	19256	89.2	17350	90.3	10136	21.4	22451	41.8	28305	60.5	19289	70.1	15808	69.1
Louisa	512	27.3	963	54.9	1664	80.7	1221	86.6	1318	89.2	427	24.8	1045	49.3	1431	61.8	1209	72.6	1287	69.2
Lucas	567	21.5	708	60.9	1315	80.3	1117	85.6	1524	88.7	530	22.3	966	52.6	1330	66.5	1246	73.6	1627	73.1
Lyon	817	25.0	1073	71.7	1718	83.5	1395	89.4	1638	87.1	913	18.6	1310	53.7	1558	64.1	1532	66.7	1636	62.2
Madison	615	26.3	1142	57.1	2107	79.0	1469	87.5	1891	89.5	519	35.5	1207	60.7	1851	76.8	1448	82.3	1848	81.1
Mahaska	894	30.1	1918	66.7	3093	82.2	2285	87.2	2972	89.6	1076	25.0	2271	50.6	2868	64.4	2456	74.4	2850	73.1
Marion	2122	32.8	2783	63.7	4710	81.3	3194	87.7	3765	87.6	1856	21.1	3068	49.7	4170	65.1	3194	73.5	3386	72.3
Marshall	1867	33.2	3303	65.9	6502	84.5	4487	89.0	5022	89.2	2413	27.1	4918	51.1	6497	67.9	4710	75.4	4870	71.5
Mills	678	29.9	1081	62.2	2300	78.5	1377	84.6	1391	89.1	655	19.4	1191	42.6	1923	61.3	1299	68.7	1312	71.2
Mitchell	576	25.5	948	63.9	1580	82.5	1361	88.1	1916	90.1	722	27.3	1146	53.8	1417	74.1	1505	80.3	1805	80.4

Table 11. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1988 and 1986 (continued).

County	1988										1986									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Monona	555	21.1	681	63.9	1335	80.3	1241	85.7	1844	87.0	509	22.6	923	58.9	1292	70.9	1342	78.8	1820	77.0
Monroe	373	24.9	682	62.9	1177	79.9	925	86.5	1342	89.9	425	32.7	838	49.3	1071	68.4	1035	75.8	1352	73.3
Montgomery	496	24.2	895	55.4	1746	75.4	1318	82.1	2019	83.8	449	19.4	1212	41.5	1595	59.9	1423	69.6	2050	68.0
Muscatine	1884	22.2	3600	54.4	5963	74.9	3785	82.7	3931	85.7	1459	16.2	3937	32.9	5554	46.9	3822	53.5	3726	57.1
O'Brien	772	20.9	1218	63.5	2250	81.6	1818	86.9	2485	85.8	906	26.6	1644	59.1	1962	71.4	2100	76.9	2328	70.7
Osceola	310	32.3	608	69.2	1077	78.8	857	88.9	1110	89.0	323	37.2	792	62.9	879	74.5	935	79.7	1042	74.9
Page	566	32.7	1077	64.2	2355	79.6	1738	86.6	2524	89.4	649	19.7	1456	47.7	2062	65.0	1987	71.7	2524	69.7
Palo Alto	586	37.0	968	72.5	1515	87.5	1408	90.5	1848	89.7	589	27.5	1160	54.3	1417	69.4	1480	82.1	1771	78.1
Plymouth	840	33.5	1838	67.0	3384	83.4	2505	87.6	2853	89.9	1045	32.2	2327	57.8	3051	71.9	2706	78.2	2830	73.3
Pocahontas	501	24.6	836	61.2	1517	77.4	1257	85.2	1754	85.3	518	31.3	977	59.6	1379	76.2	1357	81.9	1664	80.4
Polk	17532	29.6	41515	62.0	59079	80.2	34288	87.5	32302	89.9	15288	26.9	42330	44.9	50498	61.2	34606	70.9	29603	69.8
Pottawattamie	3099	32.0	7360	64.5	11900	81.1	8610	87.0	8495	90.7	3593	18.6	8986	33.7	11169	51.5	9441	62.4	8270	62.3
Poweshiek	1922	38.7	1664	60.6	2678	80.5	2057	87.2	2550	89.1	1942	26.0	1868	49.6	2619	70.3	2072	77.1	2437	75.0
Ringgold	258	24.8	450	61.1	753	81.9	764	85.7	1086	89.2	264	31.1	529	56.3	781	66.3	826	78.3	1113	74.9
Sac	467	24.0	924	57.3	1620	75.3	1392	80.8	2066	86.0	587	21.8	1170	50.9	1560	66.4	1605	72.5	2071	68.9
Scott	7266	35.0	17058	64.5	27397	81.5	16489	88.6	14633	90.2	8387	19.5	20410	35.6	25694	54.7	16682	67.5	12830	71.5
Shelby	782	18.8	1097	63.1	1881	81.1	1577	87.8	2094	88.5	839	17.4	1292	49.0	1736	63.4	1746	75.3	1968	69.2
Sioux	2203	32.5	2705	72.1	4406	84.5	3129	88.2	3850	88.3	2238	31.7	3112	62.8	3767	75.9	3156	77.2	3469	73.7
Story	9613	38.8	10355	63.7	10763	79.5	6152	88.3	6088	89.4	14843	24.9	12021	39.6	9544	66.8	6014	78.1	5740	72.7
Tama	745	31.1	1334	62.3	2482	84.8	2174	89.6	2790	90.1	874	29.5	1762	52.2	2435	69.7	2317	75.8	2746	71.4
Taylor	308	19.2	633	51.3	1070	69.1	888	82.4	1466	85.3	328	21.0	737	52.5	1000	59.0	993	73.0	1490	71.3
Union	605	37.5	1169	65.9	1962	83.0	1467	87.7	2009	89.5	789	32.4	1399	53.0	1851	68.3	1533	77.8	2005	74.7
Van Buren	372	27.4	600	59.0	1068	79.2	903	79.8	1272	86.0	453	40.8	766	56.0	1051	73.4	935	78.7	1279	76.5
Wapello	1727	26.8	2962	58.1	5425	77.6	4046	86.4	5273	90.0	1732	20.4	4187	41.1	5089	55.3	4624	68.3	5275	69.1
Warren	2623	24.8	4066	55.0	7101	79.0	4200	86.0	3323	84.9	2030	28.9	4121	50.8	6484	65.8	3795	75.0	2844	72.0
Washington	766	25.1	1725	58.4	2805	79.8	1882	84.5	2448	85.7	682	28.7	1759	47.7	2375	61.6	1927	73.5	2287	68.5
Wayne	299	25.8	553	68.4	947	78.2	857	85.4	1492	88.7	342	31.3	774	56.5	957	71.1	1024	81.4	1522	76.3
Webster	1767	25.3	3392	61.2	5769	80.8	4470	88.4	5776	90.6	2058	20.6	4206	45.1	5420	61.2	5018	73.5	5647	70.4
Winnebago	519	34.1	1016	58.9	1969	80.0	1413	86.3	1999	89.9	507	36.1	1306	57.7	1709	74.3	1538	81.8	1996	80.7
Winneshiek	1869	28.7	1948	55.2	3042	79.2	2278	84.6	2685	84.8	1311	19.3	2020	47.2	2598	65.0	2205	72.9	2376	70.3
Woodbury	4261	26.6	8276	64.1	14277	82.9	9555	89.2	11369	91.4	4376	30.0	10417	53.9	12831	69.0	10591	77.8	10838	75.4
Worth	339	31.3	680	64.3	1228	82.7	997	89.5	1367	90.8	333	47.4	725	71.7	1093	78.2	1091	84.1	1335	80.4
Wright	414	25.8	990	59.9	1953	77.3	1585	86.7	2439	88.7	458	23.6	1283	50.3	1740	61.4	1795	74.0	2246	71.1
State of Iowa	159189	30.1	278797	62.2	447752	80.6	304733	87.4	345607	88.9	170818	25.3	323265	46.5	405550	63.9	318209	73.5	325838	72.2

Table 12. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1984 and 1982.

County	1984										1982									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Adair	504	69.2	965	86.0	1162	91.2	1161	92.4	1572	87.8	542	45.4	935	72.6	1131	82.0	1252	85.4	1497	79.8
Adams	381	74.3	577	86.3	796	91.0	766	93.6	893	90.0	349	39.5	558	68.5	767	77.3	790	86.5	869	76.8
Allamakee	1027	48.8	1389	80.2	1661	87.1	1768	91.7	2043	87.1	973	29.0	1341	63.3	1589	75.3	1806	81.7	1993	77.8
Appanoose	933	57.0	1489	81.1	1772	85.5	1756	90.3	2303	89.3	1002	35.2	1449	59.1	1700	69.8	1829	78.5	2284	76.2
Audubon	498	73.7	823	85.8	1047	91.0	1107	91.9	1260	88.3	471	53.9	807	77.1	1002	85.1	1134	90.0	1189	84.3
Benton	1657	59.0	2581	80.4	3247	86.7	2774	88.6	2843	85.9	1617	40.3	2550	63.6	3215	74.4	2804	79.2	2836	73.4
Black Hawk	13796	60.8	18862	76.2	19119	86.8	15171	90.8	12499	88.2	12910	55.7	17318	71.9	17184	82.0	15171	85.9	11734	81.6
Boone	1646	64.8	3047	81.7	3452	87.1	3053	91.3	3442	88.8	1647	35.0	2987	57.1	3239	71.2	3147	79.8	3344	76.8
Bremer	1938	53.9	2552	77.7	3718	87.2	2585	89.0	2688	86.9	2059	41.0	2828	59.9	3575	76.0	2634	80.8	2600	73.2
Buchanan	1382	65.6	2411	80.6	2812	88.7	2363	92.5	2430	90.6	1239	43.5	2264	65.4	2612	78.5	2418	83.2	2324	80.0
Buena Vista	1568	55.7	2365	79.2	2441	85.4	2629	89.3	2729	86.1	1721	29.5	2342	55.9	2297	71.7	2739	79.5	2670	72.8
Butler	728	65.9	1536	83.5	2037	88.4	1906	89.6	1967	87.0	720	49.2	1583	69.3	1943	76.6	1976	80.7	1945	76.9
Calhoun	619	58.3	1365	73.5	1609	81.6	1714	85.5	2214	80.6	739	34.8	1409	55.0	1595	68.9	1761	75.3	2127	67.7
Carroll	1480	55.1	2600	82.2	2708	88.0	2773	90.2	2759	87.5	1287	34.7	2317	64.0	2510	77.1	2756	82.4	2647	77.4
Cass	986	58.6	1676	78.8	2160	84.4	1975	89.9	2430	85.6	1046	29.9	1695	58.5	2144	74.2	2058	80.2	2433	73.5
Cedar	1043	60.0	2068	74.2	2588	83.0	2134	83.6	2182	80.8	1084	41.3	2335	54.6	2706	66.9	2274	74.6	2236	69.5
Cerro Gordo	2983	66.1	5658	83.1	6266	88.7	6058	92.4	5849	88.7	3112	37.3	5570	64.1	5928	78.2	6267	85.1	5711	79.7
Cherokee	1075	57.8	1781	83.6	2055	88.8	2102	91.7	1945	88.1	1034	30.7	1682	62.0	2000	75.1	2119	81.8	1838	78.0
Chickasaw	1145	54.9	1667	81.3	1991	86.4	1794	90.5	1907	87.2	1174	35.9	1629	66.2	1987	76.1	1879	83.0	1944	76.9
Clarke	517	65.2	1035	84.2	1184	86.7	1077	92.8	1322	89.6	534	40.4	1043	62.8	1171	73.0	1131	83.7	1299	80.5
Clay	1018	59.7	2135	83.5	2404	88.1	2235	91.7	2180	85.6	1089	32.7	2188	62.1	2308	73.7	2280	82.2	2146	79.9
Clayton	1295	49.6	1947	81.2	2366	86.3	2394	89.5	2658	85.3	1433	34.5	1918	67.1	2302	80.3	2455	82.6	2683	78.3
Clinton	4356	59.0	7124	69.7	8291	82.2	6748	87.4	6372	85.7	3447	39.0	6089	54.1	7468	66.8	6785	76.2	6107	75.0
Crawford	1294	52.7	2141	70.4	2520	83.5	2236	87.2	2240	85.4	968	33.1	1805	59.9	2261	75.0	2209	80.5	2093	76.2
Dallas	1775	54.6	3349	78.9	4613	85.0	3238	87.2	3182	85.4	1718	40.5	3139	70.3	4186	80.0	3251	82.2	3058	78.3
Davis	486	72.4	892	83.5	1155	87.6	1010	92.1	1294	91.4	445	51.7	812	67.6	1090	78.3	1065	85.9	1238	83.0
Decatur	825	54.7	950	73.5	1131	84.6	1091	89.0	1421	86.3	883	29.9	945	63.1	1068	73.5	1097	78.9	1442	77.0
Delaware	1324	66.4	1948	85.6	2201	90.7	2059	92.0	1866	90.0	1191	42.0	1819	68.8	2097	77.4	2090	80.5	1817	75.1
Des Moines	2651	70.3	4705	84.3	6242	89.8	5515	92.9	4943	90.1	2438	33.9	4931	53.3	5843	67.8	5518	78.9	4757	76.2
Dickinson	679	58.6	1611	80.1	1966	86.3	2027	89.8	2355	86.9	652	41.9	1668	60.9	1899	70.2	2071	77.7	2237	74.7
Dubuque	7827	61.2	10895	79.6	12576	89.7	10115	92.3	8640	89.9	7806	33.9	11161	59.5	11809	76.2	10160	83.0	8344	77.9
Emmet	872	58.5	1454	75.4	1626	83.4	1556	89.7	1630	83.3	814	35.9	1485	53.7	1513	70.1	1567	77.9	1568	70.9
Fayette	1786	61.0	2557	82.0	2930	90.3	2982	89.5	3373	87.7	1717	42.3	2453	69.2	2878	79.5	2986	82.4	3320	78.2

Table 12. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1984 and 1982 (continued).

County	1984										1982									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Floyd	1089	58.2	1669	84.1	2496	89.9	2299	92.4	2415	89.4	1122	36.8	1914	59.4	2523	78.1	2440	82.2	2385	76.8
Franklin	545	68.4	1179	85.8	1557	90.0	1547	91.2	1645	86.3	627	40.0	1197	62.0	1533	77.1	1597	79.8	1622	76.8
Fremont	522	62.5	831	87.1	1040	91.7	1161	93.6	1294	91.3	500	37.4	807	60.8	976	72.6	1167	78.8	1256	73.6
Greene	834	57.9	1309	83.4	1500	87.5	1519	91.1	1862	88.5	905	27.7	1311	63.1	1473	72.5	1589	81.4	1785	78.9
Grundy	864	57.2	1458	80.4	2031	89.4	1722	88.2	1820	85.5	946	44.0	1574	68.5	2029	81.3	1786	83.4	1784	79.5
Guthrie	615	55.1	1099	78.9	1481	86.6	1603	87.0	1892	82.9	635	33.5	1142	60.1	1435	72.7	1611	79.0	1818	72.2
Hamilton	897	65.1	1672	82.8	2213	90.1	2214	91.5	2139	88.2	925	41.3	1754	62.3	2180	75.8	2334	83.0	2121	77.8
Hancock	839	56.4	1513	79.8	1654	86.0	1591	90.6	1622	88.7	793	37.3	1413	64.0	1579	74.9	1602	77.3	1589	73.9
Hardin	1439	59.8	2309	80.2	2744	84.9	2633	90.5	3083	84.9	1445	34.9	2226	63.4	2638	76.2	2700	81.8	2958	76.9
Harrison	859	59.7	1455	78.8	1963	84.8	1892	90.8	2211	86.8	911	30.7	1418	56.9	1917	69.7	1932	79.7	2194	75.0
Henry	1159	52.0	1851	78.7	2480	85.7	2032	89.1	2414	85.6	1185	32.2	1974	53.9	2422	68.7	2115	77.5	2371	73.6
Howard	680	56.0	1027	84.3	1268	91.4	1393	92.7	1736	88.8	765	35.6	1025	68.4	1289	78.2	1437	86.4	1773	78.9
Humboldt	678	64.7	1275	84.7	1501	89.1	1659	92.4	1710	89.2	828	31.3	1411	50.6	1635	66.5	1782	77.8	1799	71.1
Ida	548	53.8	938	83.3	1087	89.2	1213	90.6	1274	86.7	600	28.3	970	60.9	1086	73.6	1299	77.8	1244	70.3
Iowa	1137	57.4	1705	81.8	1976	89.7	1889	91.5	1994	91.8	1289	35.6	1682	66.8	1919	77.5	1937	84.2	1923	78.9
Jackson	1498	62.3	2215	81.1	2732	88.3	2518	89.8	2444	86.6	1226	43.4	2116	63.5	2647	77.4	2470	80.0	2332	76.3
Jasper	2121	59.1	3853	81.4	5125	88.6	4648	91.7	3922	88.7	2220	39.8	3810	65.5	4940	78.1	4695	83.2	3795	75.9
Jefferson	717	72.4	2211	79.4	2680	85.1	1687	90.2	1801	90.4	772	34.3	2039	50.0	2027	66.8	1723	78.5	1890	73.7
Johnson	17075	71.1	16861	75.4	11917	87.6	6327	92.0	4885	88.4	13297	55.1	14111	67.5	10015	78.7	6028	82.8	4616	77.4
Jones	1361	58.2	2055	81.1	2651	87.4	2304	91.0	2302	88.2	1220	37.2	2001	64.6	2494	78.9	2376	84.3	2225	80.5
Keokuk	756	64.8	1151	83.0	1448	87.1	1535	90.9	1917	87.3	707	34.9	1126	65.4	1380	76.7	1569	81.2	1917	76.7
Kossuth	1427	59.3	2363	82.1	2771	86.2	2764	87.9	2752	83.4	1516	34.4	2431	58.3	2738	71.5	2808	76.9	2713	71.5
Lee	2412	61.4	4352	78.4	5418	85.8	4885	89.9	4492	88.0	2310	31.9	4500	50.3	5268	63.8	5054	73.7	4332	67.7
Linn	13866	62.5	24598	77.7	28081	87.0	19754	91.0	15364	87.8	11783	36.8	23757	55.5	25989	71.8	19078	80.0	14355	75.2
Louisa	541	64.3	1112	80.4	1439	84.2	1228	89.3	1268	84.5	563	39.4	1068	56.7	1387	68.9	1217	79.0	1257	74.5
Lucas	633	62.4	1037	87.3	1273	89.9	1329	93.9	1606	90.3	564	39.9	985	66.1	1239	76.7	1325	84.4	1520	78.9
Lyon	942	58.0	1358	85.1	1483	91.6	1552	92.0	1473	87.3	1103	26.2	1418	47.6	1520	59.3	1672	63.3	1492	60.7
Madison	673	67.0	1310	87.0	1807	90.2	1527	93.6	1809	91.4	779	42.6	1393	67.6	1824	77.9	1587	84.9	1822	81.8
Mahaska	1608	60.6	2537	81.8	2766	87.5	2658	90.3	2859	87.7	1615	35.4	2415	64.3	2582	74.9	2778	82.6	2793	77.5
Marion	2319	66.8	3307	84.9	4011	88.0	3266	91.5	3188	89.6	2199	32.1	3213	59.1	3766	73.7	3298	77.8	3167	72.8
Marshall	3074	58.3	5321	78.3	6232	87.7	4842	91.2	4738	86.8	2988	39.1	4988	65.9	5678	78.1	4719	82.1	4378	78.1
Mills	709	69.5	1344	82.9	1838	90.0	1298	91.4	1271	88.7	592	29.7	1304	56.6	1600	68.9	1255	75.3	1279	70.5
Mitchell	863	59.3	1179	83.2	1422	90.6	1581	93.5	1745	89.8	886	32.3	1209	62.2	1441	78.6	1592	84.3	1754	79.7



Table 12. Number Registered to Vote and Percent That Voted in November Elections in Iowa Counties, 1984 and 1982 (continued).

County	1984										1982									
	18-24		25-34		35-49		50-64		65 or Older		18-24		25-34		35-49		50-64		65 or Older	
	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted	Regis	% Voted
Monona	612	54.2	983	81.9	1271	85.6	1458	88.4	1795	85.3	713	27.9	990	56.4	1304	69.4	1514	76.1	1821	72.9
Monroe	546	69.6	901	84.9	1085	90.1	1118	93.1	1331	90.9	576	35.4	870	60.2	1020	76.1	1192	82.3	1327	77.3
Montgomery	638	66.1	1338	80.7	1496	86.4	1579	88.8	2025	86.1	528	25.6	1281	46.7	1467	60.5	1689	69.4	1994	67.1
Muscatine	2190	61.1	4275	74.2	5505	80.7	3915	84.6	3588	82.7	2291	29.2	4516	42.9	5025	58.1	3843	70.0	3270	68.9
O'Brien	1092	56.0	1813	80.9	1939	86.5	2188	88.0	2249	86.9	1121	29.2	1708	56.9	1876	69.8	2177	73.4	2165	68.5
Osceola	430	63.3	864	77.8	903	85.0	988	90.2	1030	87.3	419	41.5	820	62.3	892	74.9	1013	78.9	1013	75.8
Page	851	66.5	1610	84.8	2001	90.7	2117	91.8	2481	89.0	750	26.9	1475	56.4	1858	66.3	2129	71.8	2425	67.0
Palo Alto	860	62.9	1291	81.6	1421	88.5	1571	91.0	1776	89.1	922	38.6	1237	64.5	1464	76.5	1647	81.3	1810	79.0
Plymouth	1291	67.2	2492	79.9	2872	86.7	2786	87.8	2772	84.6	1294	32.2	2468	53.6	2754	68.6	2788	72.2	2675	69.8
Pocahontas	708	56.8	1088	80.9	1385	89.5	1443	92.0	1633	86.9	759	30.6	1099	62.2	1373	71.5	1579	78.4	1673	73.3
Polk	22876	61.9	50764	69.7	51838	78.1	37193	85.1	30774	79.6	20065	42.4	47079	56.6	46158	70.4	36207	79.3	28511	73.4
Pottawattamie	5065	60.6	9281	74.6	10694	84.5	9561	88.7	8000	84.5	4675	29.3	8470	46.3	9965	61.1	9309	72.2	7544	71.3
Poweshiek	2115	53.9	2024	79.9	2523	87.0	2127	91.1	2399	89.7	2078	39.2	2014	63.4	2423	77.5	2238	82.7	2317	78.2
Ringgold	300	70.3	597	82.7	756	89.4	879	92.6	1098	90.4	355	41.4	659	62.7	758	78.0	902	86.0	1118	82.6
Sac	757	48.0	1360	74.3	1594	82.7	1724	84.7	2055	81.2	928	31.1	1368	58.9	1577	72.5	1810	77.0	2024	68.4
Scott	11444	80.7	22317	87.7	24898	93.0	17024	94.1	12309	93.3	8411	38.9	18397	60.2	20970	71.6	16018	79.8	11054	76.2
Shelby	1076	50.7	1445	81.8	1753	87.4	1825	93.2	1921	88.5	1153	26.0	1328	67.2	1643	76.9	1798	84.6	1836	75.4
Sioux	2599	72.5	3426	89.0	3672	92.9	3255	94.0	3294	90.8	2387	27.8	3291	57.1	3496	69.6	3323	70.9	3220	67.2
Story	18253	64.3	12787	66.8	9133	85.1	6117	90.1	5544	85.0	13941	48.6	9550	65.9	7768	82.0	5859	86.4	4935	79.9
Tama	1096	63.6	1967	83.2	2444	89.8	2439	91.8	2746	86.5	1154	40.0	1939	63.3	2416	76.5	2543	82.8	2601	78.2
Taylor	467	66.2	816	82.5	979	85.3	1075	90.8	1497	87.9	500	40.0	837	56.8	968	72.1	1121	80.6	1503	75.2
Union	1042	61.9	1461	78.9	1869	86.7	1625	89.6	2057	85.1	1041	42.4	1402	59.3	1687	76.5	1645	80.9	1983	76.8
Van Buren	506	62.1	796	82.2	1032	88.7	965	88.3	1265	86.6	469	38.8	767	60.4	961	74.9	1015	76.6	1224	72.1
Wapello	2451	54.8	4667	73.8	5046	82.0	4983	87.7	5351	85.5	2541	31.5	4443	54.3	4702	67.7	4979	79.8	5287	76.8
Warren	2580	66.7	4503	81.8	6391	87.4	3775	90.4	2695	84.2	2306	41.4	4366	64.6	5956	75.7	3588	81.3	2476	77.9
Washington	922	62.6	1910	79.5	2308	85.5	2016	88.4	2271	86.3	921	38.2	1820	58.6	2195	72.5	2037	77.7	2184	73.3
Wayne	483	61.5	799	81.2	949	86.8	1132	90.7	1526	89.1	470	40.6	772	67.4	882	75.7	1160	81.4	1552	76.3
Webster	3025	54.8	5080	71.0	5605	83.0	5558	89.3	5516	86.4	3157	30.8	5141	51.2	5567	68.5	5646	77.6	5468	74.0
Winnebago	657	72.5	1412	85.3	1620	89.3	1602	92.6	1930	90.3	639	43.5	1393	68.9	1631	80.1	1675	87.3	1946	81.9
Winneshiak	1835	57.4	2092	82.2	2497	91.6	2270	92.9	2328	90.0	1926	35.2	2019	62.5	2333	77.7	2343	79.8	2325	74.7
Woodbury	5763	63.1	11159	80.1	12240	87.1	11231	90.6	10447	88.6	5911	27.4	11673	48.6	11895	63.6	11742	72.3	10601	67.4
Worth	382	80.4	789	90.0	1107	92.5	1129	95.0	1319	90.7	377	49.3	802	71.8	1079	86.1	1107	87.9	1322	84.3
Wright	666	64.3	1414	80.8	1805	84.5	1937	90.3	2220	87.2	692	30.9	1408	58.4	1798	68.1	2065	76.5	2114	72.2
State of Iowa	222972	63.1	357130	78.0	398562	86.2	332547	90.0	319620	86.8	205147	39.5	338159	59.6	370047	72.9	333752	79.7	307907	75.2

## Registrations, Voters, and Percentage Voting by County

The numbers of registrations and voters are related to population size of counties; more populous counties have larger numbers registered and voting (Tables 1-8). In 1996, for example, Black Hawk, Linn, Polk, and Scott accounted for more than a quarter (28.2%) of all registrations; the addition of Dubuque, Johnson, Story, and Woodbury, all of which had at least 50,000 registrants, raised this percentage to 41.0. These eight counties had 41.4 percent of the voters tabulated in 1996 as well.

Eleven counties (Black Hawk, Des Moines, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Wapello, Woodbury) had at least 10,000 registered Democrats. At least 10,000 Republicans were registered in Black Hawk, Clinton, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Sioux, Story, Woodbury. Nine counties were on both lists; these were the counties with the greatest populations in the state.

Registration by party varies not only across counties but also within them. In the counties of Des Moines, Dubuque, Johnson, Polk, and Wapello, at least 5,000 more residents were registered as Democrats than as Republicans; this difference exceeded 10,000 in Dubuque, Johnson, and Polk. Sioux was the only county with at least 10,000 more registered Republicans than Democrats; although no other county favored Republicans by at least 5,000, Republicans were more numerous than Democrats in 63 of Iowa's 99 counties in 1996. The majority of counties reported more Republican than Democrat registrants each year in the period reported in Tables 1-8. In 1996, 27 counties had more people registered as other/no party than either Democrats or Republicans. Republicans counted more registered than either Democrats or other/no party members in 47 counties, while Democrats had more than either of the others in 25 counties.

This disparity by party at the county level increased when voting was examined in 1996, primarily because Republicans were more likely to vote than were Democrats or members of other parties or none. Greater numbers of Republicans voted than did those in the two other groups in two-thirds (67) of the counties. Democrats voted in larger numbers in 29 counties than did Republicans or the other/no party category. In only Benton, Calhoun, and Linn did the other/no party registrants vote in greater numbers than either Democrats or Republicans.

In 1996, the percentage of those registered who actually voted ranged from 64.0 in Story to 78.7 in Worth (Figure 3). Twelve counties in addition to Worth reported at least three voters among every four registered. Among those registered as Republicans, percentages voting varied from 71.8 to 87.4. The range was similar although slightly lower for Democrats (66.2% to 84.9%), while it was substantially lower for those with other or no party affiliations (41.3% to 64.4%). Thus, the highest percentage of other/no party registrants who voted was lower than the lowest percentages for Democrats or Republicans.

Differences in voting patterns by age also exist (Tables 9-12). For example, the percentage of registered persons aged 50-64 who actually voted varied from 77.4 to 88.5 among the counties in 1996; this was the category with the highest voting percentage that year. Among those 18-24, which had proportionately fewer registered who cast their ballots than any other age group, voting percentages ranged from 25.0 to 54.1. County variations were between 38.3 and 65.3 percent for those 25-34 years of age, 68.3 and 82.7 percent for those 35-49, and 73.4 and 88.4 percent for those at least 65 years old. Thus, the highest percentages voting in the age groups under 35 never were as great as the lowest percentages for those 35 or older across the counties.

**Note:** Those interested in additional details of voting can review reports from the office of the State (Iowa) Registrar of Voters in the capitol complex in Des Moines, IA.

Figure 1. Percent voting by political party and year in Iowa, 1982-1996.

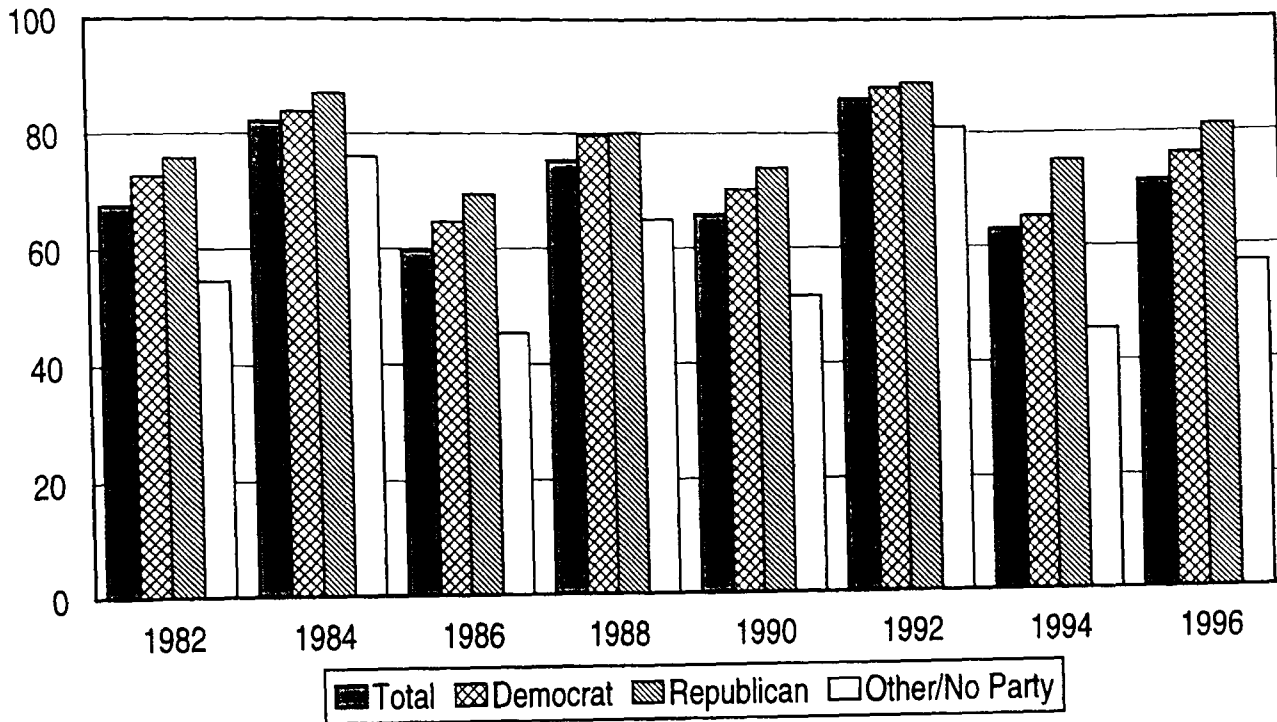


Figure 2. Percent voting by age and year in Iowa, 1982-1996.

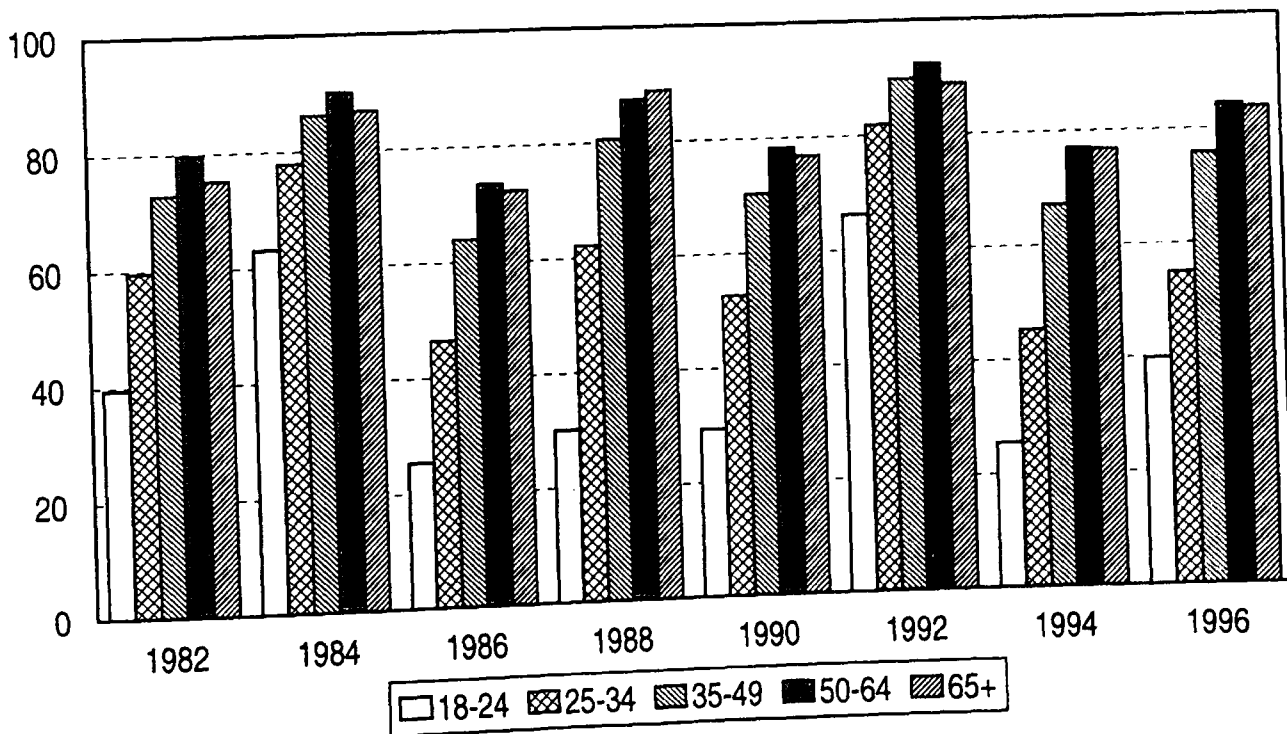
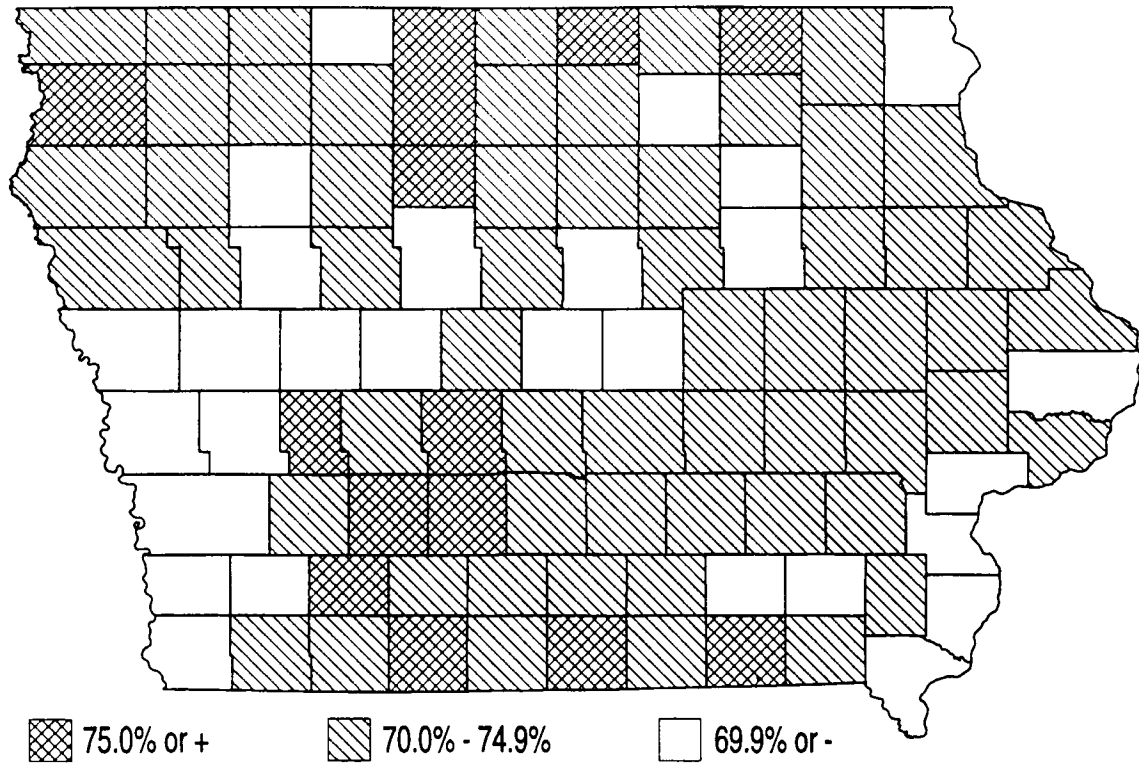


Figure 3. Percent of Those Registered Who Voted, 1996.



## Publications from Census Services

Willis Goudy, Iowa State University  
 Sandra Charvat Burke, Iowa State University  
 Margaret Hanson, Iowa State University  
 Renea Miller, Iowa State University

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### County Data Books

Nine editions of "Iowa's Counties: Selected Population Trends, Vital Statistics, and Socioeconomic Data," have been released. The contents vary from one issue to the next. Some items are updated annually. In other instances, new data are released only every 2, 5, or 10 years; in such cases, the latest information is incorporated whenever it becomes available. This volume is available for \$35.00; for information on contents of previous editions not included in this ninth edition, review the inside front cover of this volume.

### Other Reports or Series Publications

The first three in a series of reports on selected aspects of Iowa's population were released the last few years. Each is available for \$10.00.

Rural/Urban Transitions in Iowa. CS96-4. 112 pages.  
 Minority/Majority Groups in Iowa. CS95-3. 117 pages.  
 Iowa's Older Residents: Past, Present, and Future. CS94-7. 105 pages.

Single copies of the following brief items also can be ordered at no charge from our office while our supplies last. Some of these titles are released each year or every few years; only the most recent version is listed.

Population Counts for Iowa and Other States: 1890-1990 Censuses and 1991-1996 Estimates. CS97-1. 2 pages.  
 Births, Death, and Migration in Iowa: 1910-1992. CS94-6. 4 pages.  
 Selected Census of Agriculture Data for Iowa: 1964-1992. CS94-5. 2 pages.  
 Population (1850-1990) and Population Estimates (1994) for Incorporated Places in Iowa. CS95-4. 21 pages.

### 1990 Census Publications

Six brief reports highlighting data from the 1990 census have been published by Census Services. The first four are based on information on the PL94-171 (Public Law 94-171) computer tape, which was used for redistricting the state for legislative purposes; this tape was released in February of 1991. The fifth one (CS91-6) is from the tape (STF1A) with more detailed demographic and housing data that arrived in May of 1991. The sixth (CS92-4), which was based on a tape (STF3A) received in May of 1992, contains socioeconomic and additional housing variables. Single copies of these reports can be ordered at no charge from Census Services (320 East Hall, Iowa State University, Ames, IA 50011).

Iowa's Counties in 1980 and 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-2. 6 pages.  
 Iowa's Incorporated Places in 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-3. 22 pages.

Iowa's Townships in 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-4. 28 pages.

Race and Hispanic Origin in 1990 by Age (18 and Older, 17 and Younger) in Iowa's Counties. CS91-5. 10 pages.

1990 Census Data for the State of Iowa from Summary Tape File 1A. CS91-6. 6 pages.

1990 Census Data for the State of Iowa from Summary Tape File 3A. CS92-4. 16 pages.

Information for counties and incorporated places equivalent to that in CS91-6 and CS92-4 (the last two reports listed above) for 1990 is available through county extension offices. Each office has 21 pages of data for that county and 21 pages for each incorporated place within it. Field specialists with ISU Extension to Communities located throughout the state have the data for their sets of counties and incorporated places. A complete set of the pages or specialized computer runs can be obtained from Census Services; charges apply, of course.

### **Web Site**

Check <http://socserver.soc.iastate.edu/census/> on the World Wide Web for the latest information from Census Services.

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