

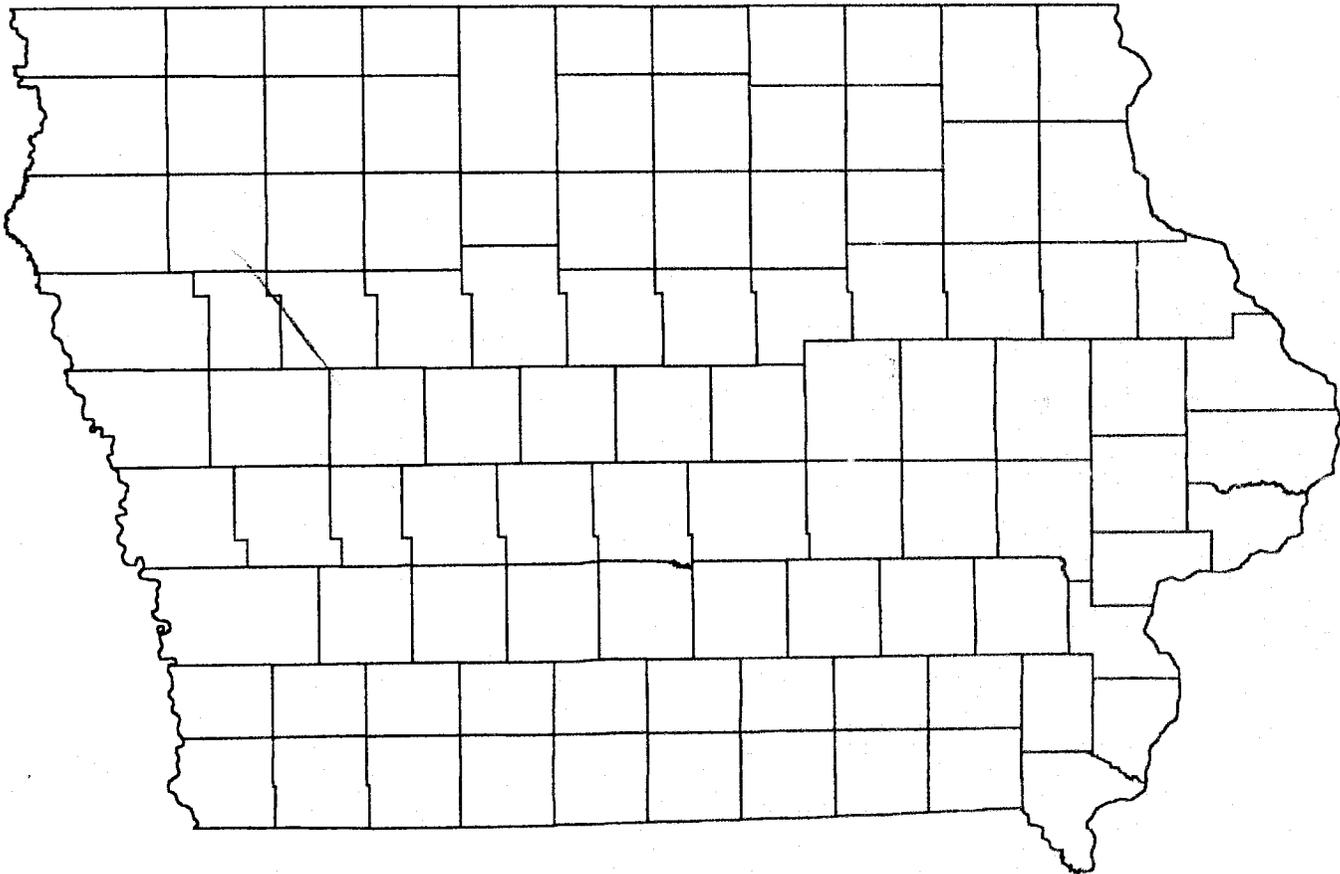


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Iowa's Counties:

Selected Population Trends, Vital Statistics, and
Socioeconomic Data

1996 Edition



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

October, 1996



Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

Previous Edition for which Limited Copies Are Available

1993 If you don't have the 1993 edition, here are items it included that are not repeated in the 1994, 1995, or 1996 editions:

Population and Housing Units in Townships and Incorporated Places: 1970-1990; Median Age of Females and Males: 1960-1990; Education Completed by Females and Males 25 Years of Age or Older: 1940-1990; General Occupational Categories for Females and Males: 1940-1990; Income of Employed Females and Males: 1979-1989; Poverty Among Females and Males in Selected Age Groups: 1979-1989; Place of Work: 1960-1990; Estimated Church Membership in Selected Denominations: 1971, 1980, 1990; Votes on an Equal Rights Amendment to the Constitution of the State of Iowa: 1980 and 1992.

Copies of the 1993 edition 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 the 1996 edition: 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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CONTENTS

Introduction	3
Population and Housing Statistics:	
Population Estimates in Iowa's Counties: 1991-1995 and 1971-1989.....	5
Counts (1990) and Estimates (1995) of Residents Under the Age of 65 and 65 or Older in Iowa's Counties	13
Counts (1990) and Estimates (1994) of Residents by Age and Sex in Iowa's Counties	17
Projected Population in Iowa's Counties: 2000-2020.....	31
Historical Trends of the Population in Iowa's Counties: 1850-1990	37
Migration and Iowa's Counties: 1985 to 1990.....	51
Vital Statistics:	
Births, Deaths, and Natural Change in Iowa's Counties: 1980-1995.....	83
Estimated Birth and Death Rates in Iowa's Counties: 1980-1995.....	93
Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1982-1995	99
Infant Mortality in Iowa's Counties: 1980-1995.....	113
Deaths Caused by Accident, Suicide, or Homicide in Iowa's Counties: 1980-1995.....	119
Injuries and Fatalities on Farms in Iowa's Counties: 1990-1995.....	129
Marriages and Dissolutions in Iowa's Counties: 1980-1995.....	133
Economic Statistics:	
Employment and Unemployment in Iowa's Counties: 1978-1995.....	139
Per Capita Income in Iowa's Counties: 1974-1994.....	153
Personal Income in Iowa's Counties: 1984-1994.....	165
Sales Subject to Sales Tax in Iowa's Counties: 1980-1995.....	197
County Business Patterns in Iowa: 1970-1994.....	209
Number and Size of Farms in Iowa's Counties: 1975-1995.....	227
Value of Farm Land in Iowa's Counties: 1950-1995.....	239
Corn and Soybean Production in Iowa's Counties: 1975-1995	253
Federal Funds in Iowa's Counties: 1985-1995	275
Vehicles Registered in Iowa's Counties: 1985-1995.....	293
Outstanding Obligations of Iowa's Counties: 1987-1995	301
Lottery Sales in Iowa's Counties: 1993-1995	305

CONTENTS CONTINUED ON NEXT PAGE **STATE DATA CENTER**

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Statistics from the 1992 and Earlier Economic Censuses:

Manufacturing in Iowa's Counties, 1977-1992.....	309
Women-Owned Businesses in Iowa's Counties: 1987 and 1992	335

Social Statistics from State Agencies:

Food Stamps in Iowa's Counties: 1980-1995	347
Medical Services Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1980-1995.....	369
Aid to Families With Dependent Children in Iowa's Counties: 1980-1995	385
Domestic Abuse in Iowa's Counties: 1993-1995	415
Founded Child Abuse in Iowa's Counties: 1982-1995	423
Public and Non-Public School Enrollment in Iowa's Counties: 1980-1995.....	427
Public Secondary School Dropouts in Iowa's Counties: 1985-1995.....	435
Students Receiving Free or Reduced-Price School Meals in Iowa's Counties: 1985-1996	443
Serious Crimes Reported in Iowa's Counties: 1993-1995.....	453
Arrests of Juveniles in Iowa's Counties: 1993-1995	461

Other Publications from Census Services	475
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Introduction

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University

This eighth 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 1980s and the first years of 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 included two items from the 1992 and earlier economic censuses—manufacturers and women-owned businesses. And we've provided a mid-decade estimate of the population 65 years of age or older as well as estimates of population in five-year age groups for females and males as of 1994. Detailed migration data from 1985 to 1990, which provide additional insights on population change in Iowa, have been included. And we've incorporated data from new series on domestic abuse, serious crimes, and arrests of juveniles.

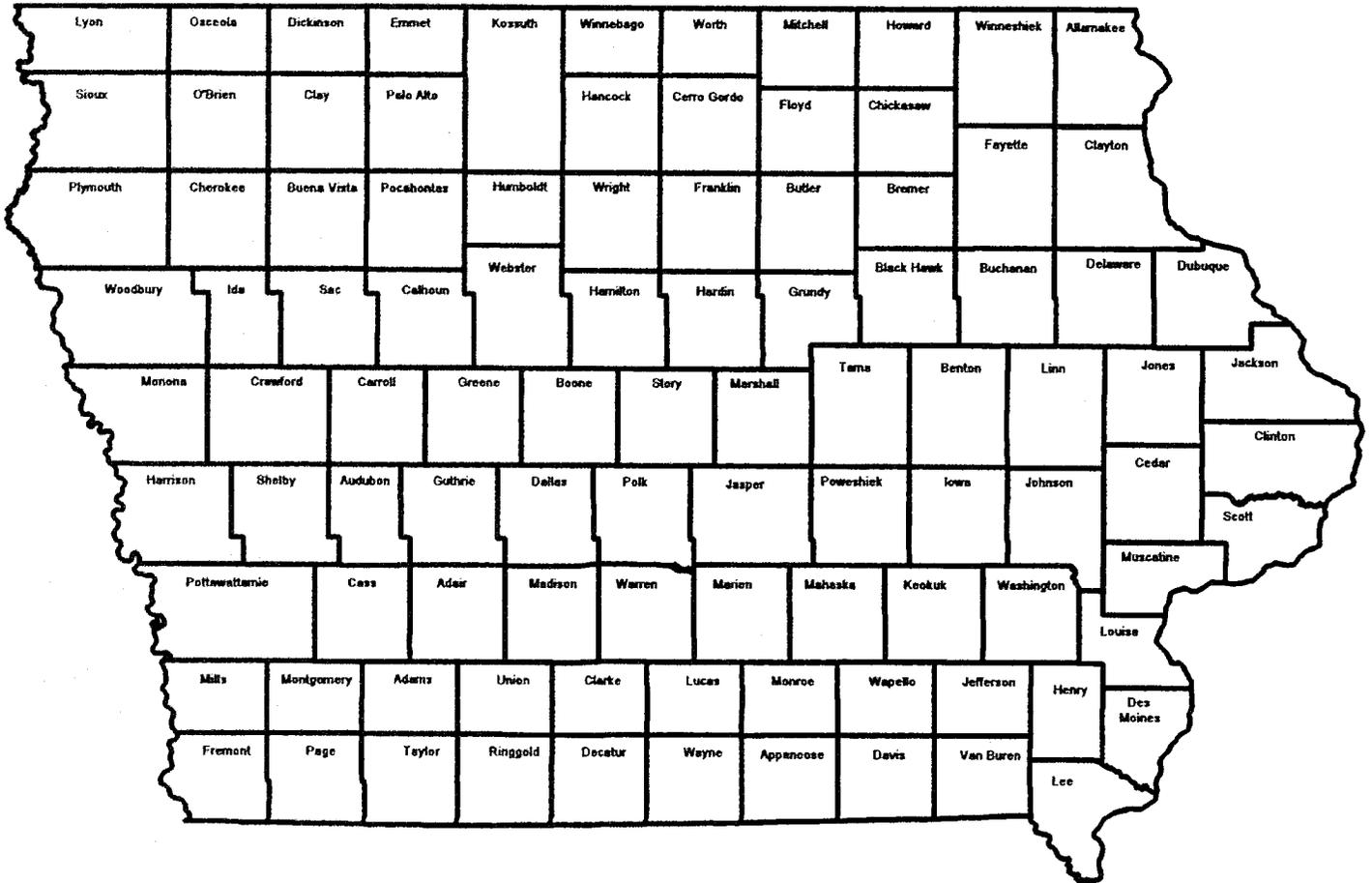
Each data set in this volume is accompanied by a commentary that provides a brief analysis of trends. Graphics highlight either changes in state figures or differences across the counties. Definitions are provided where necessary, as well as notes of caution and an indication of the source of the data.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

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. So would comments on this edition. 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 (<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 word processing 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. We also are indebted to Sarah Mueller for her work in adding data to our files, checking the accuracy of those numbers, and updating some of the reports. Margaret Hanson also revised and checked many of the sections; so did Ma En-hua, who also entered data for some reports.



Population Estimates in Iowa's Counties:

1991-1995 and 1971-1989

Willis Goudy, Iowa State University
Beth Henning, State Library of Iowa
Sandra Charvat Burke, Iowa State University

The U.S. Bureau of the Census estimates the population of counties each year between the decennial censuses. The estimates for 1 July 1995 were released in March of 1996. They are included with revised estimates for previous years and the 1990 census counts in Table 1. Iowa's population was estimated to have increased by more than 64,900 (2.3 percent) between 1 April 1990 (census date) and 1 July 1995 (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).

1990-1995 Population Change

Fifty-five counties were estimated to have gained residents between 1990 and 1995 (Figure 1), with increases greater than 1,000 in 14 of these 55. The gain of 22,420 in Polk was the only one exceeding 10,000, although Johnson, Linn, and Scott each increased by at least 5,000 residents. Thirty-three of the 55 counties with gains grew by fewer than 500 inhabitants.

Declines occurred in 44 counties, although only in Black Hawk, Cherokee, and Webster did the decreases exceed 500. Twenty-nine lost 100-499 residents, while the remaining 12 reported declines of less than 100.

Iowa's relatively slow rate of growth is reflected in county figures as well (Figure 2); 29 of the 99 counties increased (14) or decreased (15) by less than 1 percent in the 1990-1995 period. Another 20 counties gained 1 to 2.9 percent while 21 declined by 1 to 2.9 percent. Nine counties (Benton, Dallas, Dickinson, Johnson, Linn, Madison, Polk, Sioux, Warren) in Iowa grew by 5 percent or more; Dallas was the only county that gained at least 10 percent. Two (Adams, Audubon) declined by at least 5 percent from 1990 to 1995.

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 (1991-1995), Population (1990), and Estimated Change (1990-1995) in Iowa Counties.

County	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1995	
							Number	Percent
Adair	8286	8305	8415	8393	8402	8409	-123	-1.5
Adams	4500	4547	4593	4658	4731	4866	-366	-7.5
Allamakee	14079	13924	13965	13913	13855	13855	224	1.6
Appanoose	13674	13684	13840	13821	13743	13743	-69	-0.5
Audubon	6875	6948	7006	7120	7235	7334	-459	-6.3
Benton	24137	23669	23334	22787	22574	22429	1708	7.6
Black Hawk	123077	123918	124432	124367	124604	123798	-721	-0.6
Boone	25502	25215	25220	25321	25366	25186	316	1.3
Bremer	23218	23175	23191	23058	22939	22813	405	1.8
Buchanan	21294	21309	21132	20979	20919	20844	450	2.2
Buena Vista	20065	20114	20247	20089	19959	19965	100	0.5
Butler	15745	15730	15693	15789	15830	15731	14	0.1
Calhoun	11430	11655	11518	11531	11510	11508	-78	-0.7
Carroll	21603	21489	21621	21474	21420	21423	180	0.8
Cass	15047	15120	15039	15020	15041	15128	-81	-0.5
Cedar	17682	17509	17518	17677	17491	17444	238	1.4
Cerro Gordo	46633	46518	46585	46838	47076	46733	-100	-0.2
Cherokee	13591	13833	13918	13982	14064	14098	-507	-3.6
Chickasaw	13429	13390	13317	13271	13246	13295	134	1.0
Clarke	8136	8159	8344	8354	8273	8287	-151	-1.8
Clay	17412	17573	17664	17741	17621	17585	-173	-1.0
Clayton	18833	18830	18848	18771	18864	19054	-221	-1.2
Clinton	50889	50983	51274	51254	50973	51040	-151	-0.3
Crawford	16461	16494	16501	16668	16669	16775	-314	-1.9
Dallas	32947	32158	31614	30927	30349	29755	3192	10.7
Davis	8539	8454	8389	8318	8315	8312	227	2.7
Decatur	8177	8091	8049	8138	8139	8338	-161	-1.9
Delaware	18394	18360	18321	18307	18158	18035	359	2.0
Des Moines	42679	42879	42888	42858	42782	42614	65	0.2
Dickinson	15664	15447	15392	15248	15195	14909	755	5.1
Dubuque	88566	88423	88062	87343	86798	86403	2163	2.5
Emmet	11153	11286	11405	11608	11603	11569	-416	-3.6
Fayette	21799	21890	21935	21974	22002	21843	-44	-0.2
Floyd	16603	16712	16815	16948	16855	17058	-455	-2.7
Franklin	11106	11107	11256	11181	11316	11364	-258	-2.3
Fremont	8097	8173	8141	8189	8163	8226	-129	-1.6
Greene	10080	10100	10143	10092	10058	10045	35	0.3
Grundy	12303	12155	12062	12075	11954	12029	274	2.3
Guthrie	11406	11281	11199	11177	11129	10935	471	4.3
Hamilton	16193	16008	16055	16129	16043	16071	122	0.8
Hancock	12184	12091	12167	12386	12492	12638	-454	-3.6
Hardin	18685	18682	18619	18797	18951	19094	-409	-2.1
Harrison	15115	14920	14816	14698	14679	14730	385	2.6
Henry	19826	19760	19576	19609	19472	19226	600	3.1
Howard	9887	9870	9895	9899	9865	9809	78	0.8
Humboldt	10284	10387	10479	10562	10674	10756	-472	-4.4
Ida	8193	8308	8316	8285	8281	8365	-172	-2.1
Iowa	15193	14947	14882	14768	14752	14630	563	3.8
Jackson	20120	20217	20094	20058	19887	19950	170	0.9
Jasper	35163	35129	34979	34856	34747	34795	368	1.1

Table 1. Estimated Population (1991-1995), Population (1990), and Estimated Change (1990-1995) in Iowa Counties (continued).

County	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1995	
							Number	Percent
Jefferson	16829	16852	16761	16488	16383	16310	519	3.2
Johnson	101291	100620	99082	98064	96730	96119	5172	5.4
Jones	20273	20015	19852	19759	19574	19444	829	4.3
Keokuk	11564	11499	11628	11610	11623	11624	-60	-0.5
Kossuth	18147	18175	18164	18225	18300	18591	-444	-2.4
Lee	39130	39051	38906	39060	38912	38687	443	1.1
Linn	178559	176741	174891	173009	170624	168767	9792	5.8
Louisa	11793	11745	11741	11426	11616	11592	201	1.7
Lucas	9015	9003	9057	9048	9118	9070	-55	-0.6
Lyon	11890	11897	11974	11974	11947	11952	-62	-0.5
Madison	13490	13063	12885	12788	12575	12483	1007	8.1
Mahaska	21927	21749	21645	21507	21455	21532	395	1.8
Marion	31102	30671	30440	30227	30151	30001	1101	3.7
Marshall	38627	38279	37909	37784	38128	38276	351	0.9
Mills	13802	13592	13376	13375	13266	13202	600	4.5
Mitchell	11129	11086	11020	10847	10924	10928	201	1.8
Monona	9968	10013	10022	10010	9960	10034	-66	-0.7
Monroe	8177	8165	8160	8199	8162	8114	63	0.8
Montgomery	11939	12013	12044	11909	11975	12076	-137	-1.1
Muscatine	41435	41292	41202	40837	40544	39907	1528	3.8
O'Brien	15349	15389	15412	15481	15440	15444	-95	-0.6
Osceola	7077	7165	7196	7217	7273	7267	-190	-2.6
Page	16676	16747	16635	16664	16848	16870	-194	-1.1
Palo Alto	10200	10433	10436	10514	10583	10669	-469	-4.4
Plymouth	24220	24103	23852	23652	23441	23388	832	3.6
Pocahontas	9119	9120	9159	9305	9390	9525	-406	-4.3
Polk	349560	345860	342671	337940	332516	327140	22420	6.9
Pottawattamie	83701	83404	83654	83516	82862	82628	1073	1.3
Poweshiek	19014	19029	18880	18942	18945	19033	-19	-0.1
Ringgold	5373	5374	5376	5392	5393	5420	-47	-0.9
Sac	12087	12157	12059	12168	12165	12324	-237	-1.9
Scott	156694	156084	155609	155084	153307	150973	5721	3.8
Shelby	13089	13140	13181	13236	13272	13230	-141	-1.1
Sioux	31398	31349	30908	30410	30098	29903	1495	5.0
Story	74638	74478	74904	74367	74067	74252	386	0.5
Tama	17878	17817	17615	17431	17379	17419	459	2.6
Taylor	7152	7124	7073	7057	7071	7114	38	0.5
Union	12416	12455	12563	12558	12667	12750	-334	-2.6
Van Buren	7767	7739	7772	7731	7736	7676	91	1.2
Wapello	35770	35994	36086	35910	35746	35696	74	0.2
Warren	38940	38479	37916	37249	36624	36033	2907	8.1
Washington	20508	20294	20274	20200	19895	19612	896	4.6
Wayne	6866	6924	6986	6977	7036	7067	-201	-2.8
Webster	39206	39415	39904	40117	40239	40342	-1136	-2.8
Winnebago	11900	11908	11853	11920	11977	12122	-222	-1.8
Winneshiek	21058	21039	21035	21001	21033	20847	211	1.0
Woodbury	101827	101246	100840	99938	99245	98276	3551	3.6
Worth	7926	7877	7966	7883	7882	7991	-65	-0.8
Wright	14314	14189	14168	14262	14152	14269	45	0.3
State of Iowa	2841764	2830779	2821506	2807574	2791313	2776831	64933	2.3

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	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.

Counts (1990) and Estimates (1995) 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 1995 were released in March of 1996. They are included with the 1990 census counts in Table 1. In the state, residents 65 or older increased by 6,727 (or 1.6%) from 1990 to 1995. The gain among younger residents was 58,206; the rate of increase was 2.5 percent.

Nearly half (48) of Iowa's 99 counties had more residents 65 or older in 1995 than in 1990 (Figure 1). Gains were 100 or more in 20 counties; the increases in the top six (Black Hawk, Dubuque, Johnson, Linn, Polk, Scott) totaled 6,675, or nearly the number reported for the state as a whole.

Of the 51 counties that had fewer residents 65 or older in 1995 than in 1990, only Boone and Union dropped by at least 200. Another 12 reported declines from 100 to 199. Only in nine counties, which are predominantly rural, were decreases 5 percent or more of the 1990 count of those 65 or older; the estimated decline of 9.1 percent in Union was the highest reported. Another nine counties, most of which are urban, had gains in this age group of at least 5 percent; only Johnson had an estimated increase exceeding 10 percent although Warren was close to that level as well.

Fifty-five counties had more residents under the age of 65 in 1995 than in 1990. Increases exceeded 1,000 in 12 counties, although only Scott, Linn, and Polk had gains of at least 5,000. Dallas and Madison counties were the only ones with percentage gains of at least 10, although another eight had increases from 5 to 9 percent.

Of the 44 counties with fewer residents under the age of 65 in 1995 than in the 1990 census, only Black Hawk and Webster declined by at least 1,000. Sixteen others dropped by 200 to 500 residents. Decreases greater than 5 percent occurred only in Adams, Audubon, and Palo Alto.

When the two age groups are considered simultaneously, 28 counties reported declines among both those under the age of 65 and those 65 or older. Another 23 had decreases in the older but increases in the younger age group. Sixteen noted fewer younger but more older residents. The remaining 32—the largest group of counties—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 eight percentage points in nine counties, although in only Madison and Monroe did they differ by 10 points or more. In both these cases, percentage increases occurred among younger residents while declines took place in the older age group.

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 (1995), population (1990), and estimated change (1990-1995) among residents 65 or older and younger than 65 in Iowa counties.

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1995	1 April 1990	Estimated Change 1990-1995		1 July 1995	1 April 1990	Estimated Change 1990-1995	
			Number	Percent			Number	Percent
Adair	1884	1962	-78	-4.0	6402	6447	-45	-0.7
Adams	981	1062	-81	-7.6	3519	3804	-285	-7.5
Allamakee	2675	2697	-22	-0.8	11404	11158	246	2.2
Appanoose	2851	2943	-92	-3.1	10823	10800	23	0.2
Audubon	1618	1693	-75	-4.4	5257	5641	-384	-6.8
Benton	3737	3725	12	0.3	20400	18704	1696	9.1
Black Hawk	17392	16820	572	3.4	105685	106978	-1293	-1.2
Boone	4288	4506	-218	-4.8	21214	20680	534	2.6
Bremer	3691	3788	-97	-2.6	19527	19025	502	2.6
Buchanan	3253	3240	13	0.4	18041	17604	437	2.5
Buena Vista	3776	3569	207	5.8	16289	16396	-107	-0.6
Butler	3247	3236	11	0.3	12498	12495	3	0.0
Calhoun	2559	2729	-170	-6.2	8871	8779	92	1.0
Carroll	3878	3818	60	1.6	17725	17605	120	0.7
Cass	3183	3170	13	0.4	11864	11958	-94	-0.8
Cedar	3059	2976	83	2.8	14623	14468	155	1.1
Cerro Gordo	8215	7881	334	4.2	38418	38852	-434	-1.1
Cherokee	2554	2604	-50	-1.9	11037	11494	-457	-4.0
Chickasaw	2365	2382	-17	-0.7	11064	10913	151	1.4
Clarke	1542	1539	3	0.2	6594	6748	-154	-2.3
Clay	2910	2892	18	0.6	14502	14693	-191	-1.3
Clayton	3478	3459	19	0.6	15355	15595	-240	-1.5
Clinton	8046	8133	-87	-1.1	42843	42907	-64	-0.2
Crawford	2916	2923	-7	-0.2	13545	13852	-307	-2.2
Dallas	4470	4340	130	3.0	28477	25415	3062	12.0
Davis	1537	1560	-23	-1.5	7002	6752	250	3.7
Decatur	1557	1706	-149	-8.7	6620	6632	-12	-0.2
Delaware	2653	2645	8	0.3	15741	15390	351	2.3
Des Moines	6965	6893	72	1.0	35714	35721	-7	-0.0
Dickinson	3261	3096	165	5.3	12403	11813	590	5.0
Dubuque	12608	12095	513	4.2	75958	74308	1650	2.2
Emmet	2172	2180	-8	-0.4	8981	9389	-408	-4.4
Fayette	4054	4179	-125	-3.0	17745	17664	81	0.5
Floyd	3310	3328	-18	-0.5	13293	13730	-437	-3.2
Franklin	2264	2283	-19	-0.8	8842	9081	-239	-2.6
Fremont	1678	1774	-96	-5.4	6419	6452	-33	-0.5
Greene	2302	2258	44	2.0	7778	7787	-9	-0.1
Grundy	2445	2423	22	0.9	9858	9606	252	2.6
Guthrie	2314	2305	9	0.4	9092	8630	462	5.4
Hamilton	2925	2956	-31	-1.1	13268	13115	153	1.2
Hancock	2285	2282	3	0.1	9899	10356	-457	-4.4
Hardin	3999	4032	-33	-0.8	14686	15062	-376	-2.5
Harrison	2724	2842	-118	-4.2	12391	11888	503	4.2
Henry	3080	3184	-104	-3.3	16746	16042	704	4.4
Howard	2194	2130	64	3.0	7693	7679	14	0.2
Humboldt	2126	2261	-135	-6.0	8158	8495	-337	-4.0
Ida	1676	1701	-25	-1.5	6517	6664	-147	-2.2
Iowa	2667	2753	-86	-3.1	12526	11877	649	5.5
Jackson	3392	3297	95	2.9	16728	16653	75	0.4
Jasper	5793	5541	252	4.6	29370	29254	116	0.4

Table 1. Estimated population (1995), population (1990), and estimated change (1990-1995) among residents 65 or older and younger than 65 in Iowa counties (continued).

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1995	1 April 1990	Estimated Change 1990-1995		1 July 1995	1 April 1990	Estimated Change 1990-1995	
			Number	Percent			Number	Percent
Jefferson	2286	2397	-111	-4.6	14543	13913	630	4.5
Johnson	7874	7095	779	11.0	93417	89024	4393	4.9
Jones	3222	3104	118	3.8	17051	16340	711	4.4
Keokuk	2254	2405	-151	-6.3	9310	9219	91	1.0
Kossuth	3433	3530	-97	-2.8	14714	15061	-347	-2.3
Lee	6390	6443	-53	-0.8	32740	32244	496	1.5
Linn	22007	20455	1552	7.6	156552	148312	8240	5.6
Louisa	1712	1744	-32	-1.8	10081	9848	233	2.4
Lucas	1821	1871	-50	-2.7	7194	7199	-5	-0.1
Lyon	2139	2126	13	0.6	9751	9826	-75	-0.8
Madison	2144	2243	-99	-4.4	11346	10240	1106	10.8
Mahaska	3823	3790	33	0.9	18104	17742	362	2.0
Marion	4976	4833	143	3.0	26126	25168	958	3.8
Marshall	6685	6675	10	0.2	31942	31601	341	1.1
Mills	1859	1803	56	3.1	11943	11399	544	4.8
Mitchell	2404	2376	28	1.2	8725	8552	173	2.0
Monona	2331	2393	-62	-2.6	7637	7641	-4	-0.0
Monroe	1540	1672	-132	-7.9	6637	6442	195	3.0
Montgomery	2561	2636	-75	-2.9	9378	9440	-62	-0.7
Muscatine	5466	5315	151	2.8	35969	34592	1377	4.0
O'Brien	3200	3174	26	0.8	12149	12270	-121	-1.0
Osceola	1355	1412	-57	-4.0	5722	5855	-133	-2.3
Page	3431	3529	-98	-2.8	13245	13341	-96	-0.7
Palo Alto	2194	2198	-4	-0.2	8006	8471	-465	-5.5
Plymouth	3865	3838	27	0.7	20355	19550	805	4.1
Pocahontas	1991	2071	-80	-3.9	7128	7454	-326	-4.4
Polk	40176	37557	2619	7.0	309384	289583	19801	6.8
Pottawattamie	11225	11003	222	2.0	72476	71625	851	1.2
Poweshiek	3357	3187	170	5.3	15657	15846	-189	-1.2
Ringgold	1356	1319	37	2.8	4017	4101	-84	-2.0
Sac	2703	2723	-20	-0.7	9384	9601	-217	-2.3
Scott	17914	17274	640	3.7	138780	133699	5081	3.8
Shelby	2716	2674	42	1.6	10373	10556	-183	-1.7
Sioux	4660	4408	252	5.7	26738	25495	1243	4.9
Story	7608	7160	448	6.3	67030	67092	-62	-0.1
Tama	3476	3376	100	3.0	14402	14043	359	2.6
Taylor	1629	1715	-86	-5.0	5523	5399	124	2.3
Union	2236	2459	-223	-9.1	10180	10291	-111	-1.1
Van Buren	1518	1557	-39	-2.5	6249	6119	130	2.1
Wapello	6499	6675	-176	-2.6	29271	29021	250	0.9
Warren	4328	3941	387	9.8	34612	32092	2520	7.8
Washington	3700	3634	66	1.8	16808	15978	830	5.2
Wayne	1783	1852	-69	-3.7	5083	5215	-132	-2.5
Webster	6965	7093	-128	-1.8	32241	33249	-1008	-3.0
Winnebago	2316	2339	-23	-1.0	9584	9783	-199	-2.0
Winneshiek	3280	3196	84	2.6	17778	17651	127	0.7
Woodbury	14390	14429	-39	-0.3	87437	83847	3590	4.3
Worth	1642	1667	-25	-1.5	6284	6324	-40	-0.6
Wright	3046	3151	-105	-3.3	11268	11118	150	1.4
State of Iowa	432035	425308	6727	1.6	2409729	2351523	58206	2.5

Figure 1. Estimated change in number aged 65 or older, 1990-1995.

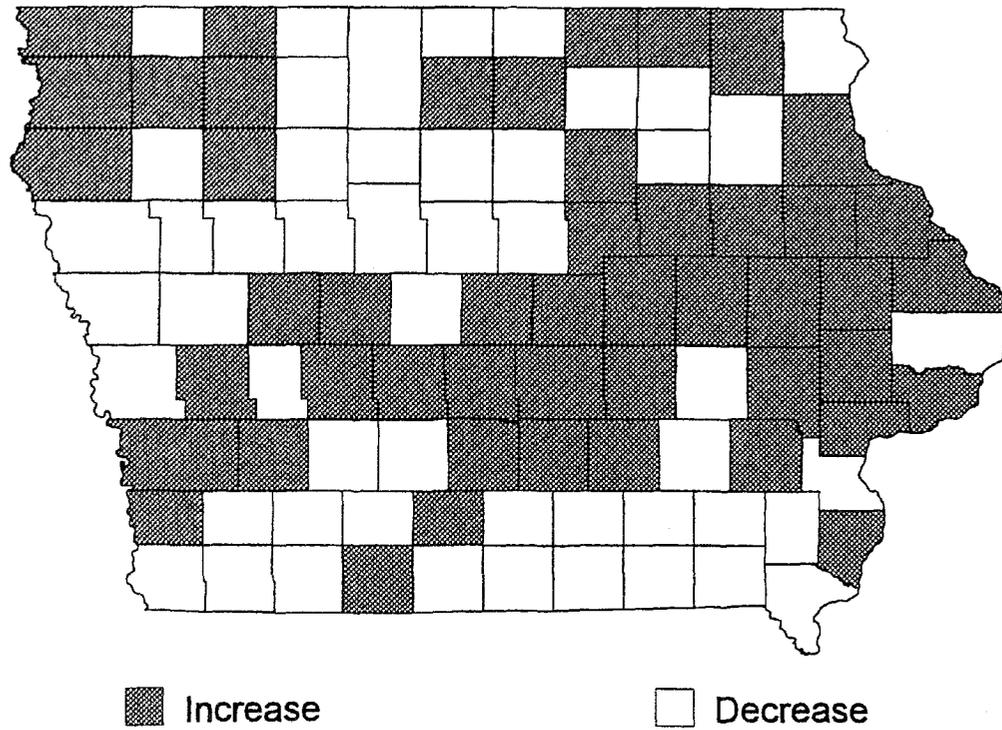
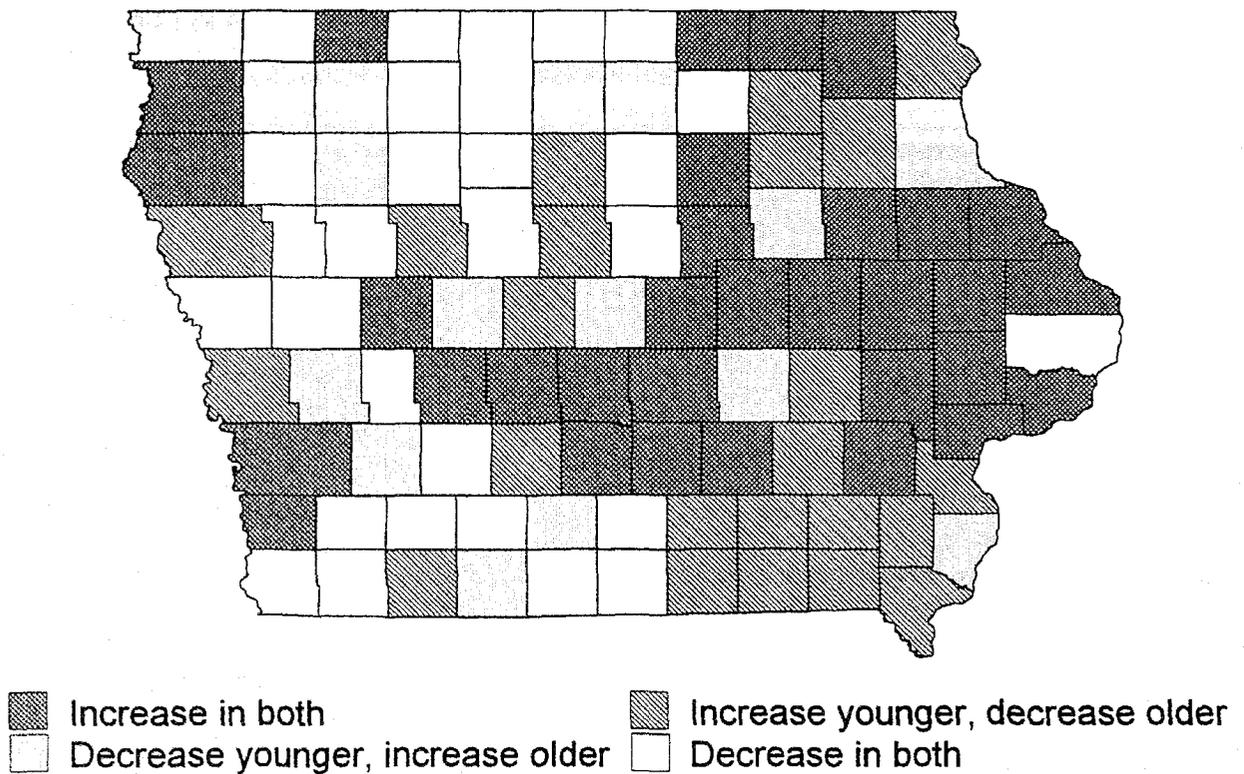


Figure 2. Estimated change in number aged 65 or older and under 65, 1990-1995.



Counts (1990) and Estimates (1994) of Residents by Age and Sex in Iowa's Counties

Margaret Hanson, Iowa State University
Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University

The U.S. Bureau of the Census released estimates of the 1994 population of counties by five-year age groups in August of 1996. They are included in Tables 1A (females) and 1B (males). The numbers (Tables 2A, 2B) from the 1990 census are provided for comparative purposes.

According to these estimates, females outnumbered males in the state in both 1990 (by 87,000) and 1994 (by 80,000). This trend was not continuous through the life span for either year, however. In 1994, males accounted for 51.2 percent of the population 19 or younger, 50.2 percent of 20-39 year olds, and 49.2 percent of 40-59 year olds. Among older age groups, females accounted for 55.1 percent of 60-79 year olds and 68.8 percent of those 80 and older.

For 1990 to 1994, the number of Iowa residents under the age of 20 gained slightly; the increase was about 1,600. An estimated loss of 26,800 occurred among 20-39 year olds. At the same time, there was an increase of 74,300 among the 40-59 year olds. Part of this change can be attributed to the aging of baby-boomers. In 1990, these individuals were about 25-44 years of age; four years later they were 29-48. Thus, more had moved from the 20-39 group in 1990 to the 40-59 by 1994. In the 60-79 year old age category, there was a decrease of 4,300. This decline is due in part to the inclusion of those born in the early 1930s, when birth rates declined substantially. Among those 80 and older, the gain exceeded 7,700.

Females outnumbered males in all counties but four (Henry, Jones, Louisa, Story). Prisons, labor-intensive industries, and a land-grant university may partially explain these exceptions. For example, there are 2,400 more males aged 20-24 (college age) than females in that age group in Story County.

Twenty-two counties experienced growth in their populations under the age of 20. Dallas, Polk and Warren were the only counties with an increase in the 20-39 age category, however. All counties noted gains in their 40-59 year old populations, and 16 counties had more persons 60-79 years of age in 1994 than in 1990. Only Adams had smaller numbers 80 and older at the end of the period, although gains in 78 other counties were less than 100.

The estimated population of persons 75 and older increased by more than 12,000 from 1990 to 1994, with more than half of that increase (6,500) among females. At the same time, the population of persons under the age of 5 decreased by more than 5,500 with nearly equal losses among males and females. The count of Iowans 75 or older exceeded that under the age of 5 for the first time in 1990; that trend has continued.

Eighty-four counties in 1990 and 86 in 1994 had more residents 75 or older than under the age of 5. When the upper category is raised to those 85 or older, then no county had more in the older group than under 5 years of age either year. But when the numbers of females are compared, Ringgold had more 85 and older than under the age of 5 in 1990. Ringgold was joined by Monona and Wayne in 1994 as counties estimated to have more females 85 or older than 4 or younger. In neither year did any county have more males 85 and older than under the age of 5, which reflects the shorter life expectancy of males than females.

Table 1A. Estimated Age of Females in Iowa Counties, 1994.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	262	262	315	240	162	206	280	244	248	255	248	205	204	234	257	263	201	215	4301
Adams	128	131	159	133	84	115	144	141	165	155	138	132	112	155	128	119	92	84	2315
Allamakee	467	517	560	427	276	385	452	491	439	422	354	341	337	377	341	352	255	311	7104
Appanoose	431	426	518	456	335	378	440	454	490	422	361	366	357	390	426	354	277	290	7171
Audubon	225	251	237	193	117	175	206	209	223	208	208	192	207	201	216	202	149	181	3600
Benton	806	849	973	731	595	746	863	860	844	752	598	572	531	560	543	512	362	335	12032
Black Hawk	3812	4117	4686	5195	6030	3695	4661	5014	4858	3781	3180	2713	2758	2644	2483	2003	1517	1477	64624
Boone	799	837	914	747	641	789	943	1055	938	798	676	606	595	611	598	554	444	612	13157
Bremer	649	798	852	951	822	589	721	817	921	793	642	541	446	546	525	448	385	404	11850
Buchanan	792	844	1001	727	498	623	752	744	770	636	554	461	459	488	508	420	262	263	10802
Buena Vista	661	679	789	759	713	576	704	730	623	498	456	468	519	515	476	452	313	383	10314
Butler	458	531	615	487	298	389	537	562	535	456	420	400	399	452	445	370	330	326	8010
Calhoun	337	404	409	325	168	265	372	417	361	342	322	312	302	385	387	364	264	309	6045
Carroll	796	833	958	682	497	589	784	763	631	622	506	513	550	560	535	460	346	436	11061
Cass	440	531	558	452	302	400	499	543	524	464	438	395	379	418	451	436	333	320	7883
Cedar	542	640	759	522	396	525	624	714	651	579	453	413	428	401	410	342	266	299	8964
Cerro Gordo	1455	1491	1627	1655	1355	1555	1848	1863	1722	1407	1277	1202	1158	1206	1088	1007	755	818	24489
Cherokee	441	458	601	477	259	373	440	524	465	424	390	400	349	348	350	321	247	264	7131
Chickasaw	428	472	551	424	258	354	483	482	450	417	394	276	315	336	314	298	242	221	6715
Clarke	272	285	306	270	180	239	262	337	272	263	234	192	224	189	195	216	145	175	4256
Clay	607	649	714	570	449	532	690	739	651	509	454	446	440	456	391	344	245	318	9204
Clayton	638	697	769	605	414	530	624	667	626	544	500	489	463	462	473	409	328	305	9543
Clinton	1673	1774	2053	1737	1331	1607	1925	1916	1984	1664	1399	1199	1239	1224	1225	980	731	756	26417
Crawford	561	584	696	610	376	451	548	540	584	541	418	390	397	406	403	356	249	308	8418
Dallas	1046	1188	1270	997	737	1040	1309	1330	1373	1020	857	686	650	668	653	586	451	493	16354
Davis	278	298	321	278	201	228	274	316	257	269	247	212	191	202	192	223	147	192	4326
Decatur	226	247	279	404	300	207	230	232	255	230	195	188	212	201	232	181	161	186	4166
Delaware	653	805	840	621	429	583	703	633	576	528	473	425	411	404	380	284	275	263	9286
Des Moines	1387	1492	1578	1367	1230	1350	1470	1711	1755	1480	1137	1044	1039	1091	919	846	717	718	22331
Dickinson	415	488	584	414	289	386	480	661	592	500	432	448	468	471	470	392	260	281	8031
Dubuque	2851	3152	3460	3448	2997	2791	3273	3521	3278	2772	2220	2018	1891	1913	1710	1589	1277	1282	45443
Emmet	323	370	469	478	258	273	368	407	385	305	285	275	320	305	290	268	220	220	5819
Fayette	704	801	833	720	529	585	733	733	731	666	595	573	493	614	578	526	401	417	11232

Table 1A. Estimated Age of Females in Iowa Counties, 1994 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	512	566	681	557	399	433	510	600	590	577	474	415	453	442	486	410	284	342	8731
Franklin	343	387	407	324	217	285	366	388	418	330	300	297	300	326	292	265	219	241	5705
Fremont	232	278	359	280	154	197	257	297	293	257	204	220	226	258	225	237	177	160	4311
Greene	283	334	367	270	191	255	326	373	318	289	277	285	287	293	317	308	223	247	5243
Grundy	358	398	473	349	239	305	403	432	457	396	359	323	313	328	373	320	227	227	6280
Guthrie	288	402	432	341	217	265	343	389	411	342	336	332	343	338	320	284	210	255	5848
Hamilton	500	528	604	494	338	458	552	603	569	504	470	441	409	436	412	326	290	294	8228
Hancock	409	462	488	389	248	364	440	439	428	321	315	297	285	305	303	276	215	214	6198
Hardin	511	605	640	638	383	471	605	655	631	558	505	471	489	536	529	497	370	458	9552
Harrison	446	540	552	529	322	436	527	496	509	469	385	392	367	394	384	371	279	319	7717
Henry	628	635	722	680	548	549	694	722	776	604	464	428	396	423	484	386	334	354	9827
Howard	319	355	406	270	179	273	312	293	314	284	251	264	261	257	265	283	226	230	5042
Humboldt	297	373	388	309	177	266	357	344	354	304	302	297	288	314	304	300	174	177	5325
Ida	283	323	303	240	149	224	294	279	273	233	176	226	233	249	208	210	163	197	4263
Iowa	519	516	549	398	314	458	563	534	501	446	437	377	357	384	381	375	249	319	7677
Jackson	664	709	831	681	489	589	698	730	663	697	517	557	483	465	457	433	323	305	10291
Jasper	1079	1120	1340	1070	867	1070	1249	1355	1370	1182	1028	934	911	840	775	661	533	501	17885
Jefferson	527	592	560	466	366	474	601	938	917	582	389	355	327	352	350	301	259	240	8596
Johnson	3045	2776	2611	4886	8676	4787	4248	4236	3570	2518	1816	1451	1264	1106	1025	876	728	748	50367
Jones	605	661	783	603	460	560	646	706	665	611	503	463	450	449	437	405	268	329	9604
Keokuk	334	437	391	369	226	339	385	372	359	337	302	343	269	326	314	298	240	254	5895
Kossuth	593	702	711	583	336	475	598	629	605	524	551	484	454	486	465	429	329	368	9322
Lee	1192	1294	1454	1254	1038	1161	1348	1474	1453	1299	997	916	972	1048	918	766	643	606	19833
Linn	5797	5740	6128	6529	6755	6502	7090	7430	7464	6017	4843	3967	3473	3396	3002	2667	1912	2001	90713
Louisa	354	391	503	394	303	354	407	478	409	369	307	276	247	247	206	202	164	180	5791
Lucas	259	289	340	267	195	234	312	323	301	304	240	268	241	230	249	251	184	205	4692
Lyon	425	440	547	391	266	299	377	430	381	285	325	330	292	288	283	252	210	230	6051
Madison	412	439	576	430	275	338	470	526	459	422	348	308	257	322	300	298	226	278	6684
Mahaska	713	718	833	737	679	666	757	812	737	646	516	517	517	574	540	484	317	374	11137
Marion	899	1034	1131	1221	1148	864	1035	1161	1066	891	782	686	644	682	637	585	460	454	15380
Marshall	1156	1254	1365	1268	1000	1092	1368	1536	1530	1324	990	907	882	901	912	740	575	636	19436
Mills	383	441	564	494	318	397	534	621	596	444	361	288	280	258	285	243	172	162	6841
Mitchell	339	372	411	363	225	279	339	349	327	334	319	287	293	312	309	271	224	320	5673

Table 1A. Estimated Age of Females in Iowa Counties, 1994 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	265	321	412	288	185	256	303	321	289	324	278	271	297	316	309	302	259	266	5262
Monroe	231	280	309	251	186	222	279	275	286	245	205	211	228	234	234	198	149	186	4209
Montgomery	337	380	437	405	239	351	389	431	453	355	297	315	309	341	368	320	303	290	6320
Muscatine	1401	1518	1744	1425	1269	1468	1551	1636	1595	1351	1057	866	802	813	761	654	505	534	20950
O'Brien	464	557	612	464	275	401	526	572	443	431	414	412	426	442	398	388	324	385	7934
Osceola	247	250	277	236	153	181	251	239	223	198	187	200	166	184	195	163	132	172	3654
Page	456	542	657	506	304	428	556	606	565	517	395	464	443	476	464	452	344	394	8569
Palo Alto	313	387	412	338	197	223	326	339	311	284	311	312	292	272	296	287	212	256	5368
Plymouth	850	897	1037	880	602	649	839	932	784	713	578	628	549	533	543	492	390	437	12333
Pocahontas	277	310	331	248	141	231	282	323	285	305	264	234	262	262	296	236	188	225	4700
Polk	12157	11453	11685	11811	14296	14867	15057	15130	14679	11596	8813	7453	6728	6607	5784	4992	3674	3813	180595
Pottawattamie	2965	2992	3193	2920	2617	2981	3243	3287	3185	2727	2297	2184	1963	1841	1598	1307	947	980	43227
Poweshiek	546	595	693	851	677	531	648	713	653	627	513	446	416	457	428	372	323	351	9840
Ringgold	124	184	190	163	93	129	158	170	188	161	154	173	144	185	182	164	132	139	2833
Sac	353	417	489	348	212	295	388	416	383	313	315	323	337	372	363	335	236	307	6202
Scott	5687	5812	6253	5508	5457	5653	6492	6646	5537	5166	4060	3305	2940	3013	2511	2115	1621	1447	80223
Shelby	384	471	527	444	246	365	406	465	414	368	348	352	324	344	366	333	248	289	6694
Sioux	1109	1270	1430	1451	1201	807	1023	1100	914	864	715	631	672	680	645	578	429	419	15938
Story	2003	1953	2033	3736	6305	2641	2600	2581	2282	1837	1419	1175	1099	1047	990	905	694	799	36099
Tama	521	594	727	576	422	476	576	592	598	572	511	485	442	455	457	442	313	385	9144
Taylor	207	239	286	233	130	163	220	234	220	209	186	191	188	231	218	209	195	177	3736
Union	378	405	512	486	308	367	408	461	475	378	311	330	271	333	312	298	266	288	6587
Van Buren	263	258	271	181	175	216	242	262	255	228	242	202	187	221	209	204	146	133	3895
Wapello	1118	1016	1256	1207	972	1061	1261	1382	1360	1126	939	978	959	998	923	860	669	626	18711
Warren	1275	1390	1593	1557	1258	1211	1495	1652	1711	1464	1033	866	619	672	533	533	361	455	19678
Washington	707	688	786	605	505	632	713	743	725	628	487	485	456	546	490	434	415	448	10493
Wayne	206	213	253	179	146	186	197	207	214	202	185	172	216	222	245	213	159	216	3631
Webster	1340	1329	1504	1323	1115	1187	1457	1457	1416	1167	1041	1017	983	1014	963	830	647	795	20585
Winnebago	364	405	451	506	266	312	412	440	396	361	275	275	274	295	283	313	264	245	6137
Winneshiek	665	697	759	1059	1059	571	715	667	633	577	509	453	456	427	443	356	309	357	10712
Woodbury	3542	3817	4141	3651	3260	3369	3758	4018	3735	2893	2332	2289	2310	2292	2155	1800	1383	1482	52227
Worth	233	251	289	231	171	213	257	299	252	245	214	185	216	228	193	228	153	188	4046
Wright	449	428	546	401	302	379	456	503	512	402	364	380	400	452	426	359	301	347	7407
State of Iowa	91704	96331	105799	100644	95967	92270	105137	110419	105862	88256	72699	65758	62480	63803	59920	53159	40745	43518	1454471

Table 1B. Estimated Age of Males in Iowa Counties, 1994.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	250	263	361	256	181	210	271	286	287	224	209	212	210	196	211	192	128	83	4030
Adams	166	144	154	158	84	120	159	140	158	141	137	122	126	112	103	96	63	55	2238
Allamakee	475	504	574	501	322	375	507	530	474	430	348	328	345	365	296	219	140	105	6838
Appanoose	395	460	554	506	320	387	446	461	458	413	326	278	317	342	319	292	190	110	6574
Audubon	225	241	261	213	141	159	213	258	213	191	198	165	193	196	190	122	104	74	3357
Benton	854	916	1013	815	603	726	912	910	844	736	604	552	483	472	474	389	208	140	11651
Black Hawk	4017	4393	4932	4845	5505	3411	3960	4865	4683	3795	2969	2540	2357	2342	1819	1371	781	494	59079
Boone	790	843	940	799	638	738	955	1074	1001	739	664	596	562	524	466	347	273	173	12122
Bremer	659	772	949	964	904	586	702	822	894	831	664	495	449	446	397	350	230	155	11269
Buchanan	785	927	1022	840	526	596	748	809	795	628	569	439	402	437	392	294	182	111	10502
Buena Vista	696	751	760	769	782	622	720	771	628	487	402	397	463	446	397	316	199	157	9763
Butler	476	584	665	574	346	376	510	616	605	514	369	359	357	390	360	295	190	123	7709
Calhoun	344	396	476	344	215	285	376	470	363	323	302	278	281	313	304	198	148	112	5528
Carroll	817	931	973	731	516	600	819	807	677	578	488	458	442	467	428	318	201	154	10405
Cass	484	539	603	488	285	414	515	546	541	440	413	340	361	344	305	284	197	130	7229
Cedar	535	656	719	575	404	486	670	702	726	561	463	396	372	374	376	274	170	129	8588
Cerro Gordo	1562	1661	1742	1585	1284	1466	1693	1873	1666	1254	1145	984	1088	1018	824	600	358	269	22072
Cherokee	453	522	558	456	273	361	492	550	499	413	327	363	371	334	259	209	156	103	6699
Chickasaw	441	545	592	531	290	341	515	514	461	436	366	310	299	311	272	219	125	99	6667
Clarke	253	298	319	266	191	224	302	305	296	232	222	191	188	176	134	152	106	62	3917
Clay	594	631	820	555	415	488	655	723	635	532	407	374	407	376	320	236	149	114	8431
Clayton	604	726	806	676	433	531	686	746	612	595	467	468	452	432	379	329	209	153	9304
Clinton	1728	1813	2051	1818	1388	1543	1783	1968	1944	1644	1345	1133	1080	1070	893	681	399	243	24524
Crawford	543	546	678	713	393	489	601	577	597	545	428	395	380	356	332	247	149	106	8075
Dallas	1119	1309	1422	1099	755	953	1225	1327	1412	1089	828	705	594	570	525	392	247	159	15730
Davis	300	296	372	309	211	246	288	298	292	249	231	199	181	169	183	135	116	64	4139
Decatur	247	238	268	386	351	183	236	277	235	235	171	182	176	184	188	150	114	89	3910
Delaware	692	820	850	656	494	547	724	704	617	526	481	426	376	389	309	201	130	103	9045
Des Moines	1318	1541	1717	1522	1188	1266	1439	1700	1755	1477	1095	925	894	932	692	533	321	220	20535
Dickinson	399	477	584	508	309	389	486	639	585	500	397	401	400	443	389	280	147	111	7444
Dubuque	3025	3230	3734	3632	3239	2759	3167	3410	3245	2701	2274	1870	1742	1628	1284	926	549	358	42773
Emmet	327	412	494	520	315	265	336	414	407	317	279	239	275	266	214	168	116	85	5449
Fayette	730	755	881	826	604	605	744	834	750	631	573	520	508	511	442	353	252	157	10676

Table 1B. Estimated Age of Males in Iowa Counties, 1994 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	518	586	632	576	412	420	487	605	590	575	474	366	398	383	372	284	167	123	7968
Franklin	337	421	445	350	227	288	387	451	392	348	280	251	286	264	221	219	123	83	5373
Fremont	248	279	331	275	162	192	239	297	309	246	201	197	189	210	207	160	92	68	3902
Greene	304	358	381	314	211	258	305	359	355	278	275	224	272	249	220	215	148	76	4802
Grundy	380	400	495	382	244	288	408	470	448	420	351	281	285	274	293	237	120	72	5848
Guthrie	316	397	429	330	230	288	335	423	389	374	321	300	301	306	269	206	132	91	5437
Hamilton	503	545	633	539	376	490	598	603	621	454	413	362	430	366	360	260	145	101	7799
Hancock	408	513	515	434	247	342	455	486	429	351	314	265	267	260	234	196	135	89	5940
Hardin	525	627	740	885	447	434	640	687	624	524	448	440	426	452	409	339	239	154	9040
Harrison	534	532	652	495	341	409	525	512	511	458	376	361	332	339	303	238	176	128	7222
Henry	605	700	749	715	773	717	766	812	805	663	497	387	361	377	333	280	178	158	9876
Howard	318	343	436	316	216	287	339	356	299	274	252	216	257	251	247	192	130	110	4839
Humboldt	341	374	390	322	221	253	374	391	340	337	229	267	267	279	267	160	144	93	5049
Ida	297	338	347	290	157	210	301	309	286	240	177	181	204	217	176	136	90	72	4028
Iowa	499	507	561	463	366	462	576	585	551	433	381	363	339	347	331	240	130	104	7238
Jackson	698	793	902	770	521	604	706	765	675	645	533	498	443	437	370	304	177	131	9972
Jasper	1067	1215	1435	1293	917	1071	1302	1386	1402	1164	928	826	864	726	642	503	298	172	17211
Jefferson	502	581	604	547	417	453	639	981	1006	556	362	311	304	273	249	215	159	101	8260
Johnson	3143	2829	2728	4615	9057	5077	4505	4231	3641	2524	1725	1392	1150	1035	808	580	363	233	49636
Jones	624	661	807	750	805	807	849	868	822	616	528	444	420	377	381	302	174	112	10347
Keokuk	369	446	482	374	248	327	419	422	367	334	284	266	283	278	244	221	152	105	5621
Kossuth	601	736	792	607	352	493	658	680	638	478	504	475	414	413	390	303	180	144	8858
Lee	1265	1387	1620	1281	1087	1279	1493	1620	1570	1287	1011	875	840	821	697	539	315	197	19184
Linn	6110	6063	6690	6574	6300	6424	7093	7445	7249	5779	4577	3902	3203	3014	2311	1676	1026	665	86101
Louisa	411	440	498	440	398	391	482	445	447	378	303	247	248	230	198	151	114	78	5899
Lucas	275	290	336	325	192	225	271	317	300	288	257	220	234	232	184	169	105	72	4292
Lyon	466	530	556	454	249	327	392	443	387	306	252	310	276	266	243	176	122	87	5842
Madison	419	506	539	523	290	310	449	539	502	426	343	276	272	277	237	199	142	101	6350
Mahaska	764	786	881	753	718	666	785	855	786	626	504	424	471	503	430	308	219	144	10623
Marion	1023	1098	1235	1243	1113	898	1062	1196	1122	992	772	686	649	668	583	431	315	198	15284
Marshall	1199	1324	1453	1316	1018	1077	1296	1522	1524	1297	1010	847	875	926	763	628	347	290	18712
Mills	438	510	653	525	323	409	525	595	620	483	378	305	277	233	197	166	100	67	6804
Mitchell	348	400	436	382	240	298	361	391	359	326	265	272	281	281	244	218	154	108	5364

Table 1B. Estimated Age of Males in Iowa Counties, 1994 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	289	366	334	321	176	251	295	369	334	305	285	249	244	273	244	218	141	110	4804
Monroe	248	287	339	264	204	213	282	278	274	262	197	209	176	207	186	144	89	78	3937
Montgomery	356	423	456	393	260	313	385	433	448	352	263	296	276	270	234	246	169	130	5703
Muscatine	1526	1633	1752	1528	1294	1416	1633	1682	1676	1299	1058	822	763	679	607	436	265	219	20288
O'Brien	494	583	651	546	388	393	559	574	490	377	374	366	362	358	336	283	185	121	7440
Osceola	238	256	305	257	172	196	279	258	220	217	158	174	187	167	128	119	85	71	3487
Page	481	527	686	645	438	452	530	679	637	503	421	392	372	422	356	294	197	138	8170
Palo Alto	312	370	461	456	234	260	354	352	312	292	235	273	278	247	212	178	128	99	5053
Plymouth	836	1044	1126	949	725	626	858	894	844	723	539	552	568	494	436	352	218	163	11947
Pocahontas	317	337	378	282	141	240	320	315	297	283	256	218	238	252	203	158	110	84	4429
Polk	12896	12093	12232	11293	12767	13279	14472	14676	13650	10894	8133	6880	6075	5333	4205	2954	1728	1041	165301
Pottawattamie	3949	3105	3374	3026	2371	2762	3158	3237	3037	2557	2099	1926	1834	1549	1262	870	537	339	40162
Poweshiek	572	657	620	665	751	499	646	696	665	543	467	430	396	387	358	268	166	122	9178
Ringgold	158	196	184	156	98	121	171	165	179	152	139	176	150	152	128	123	74	58	2580
Sac	427	473	508	376	244	307	424	437	388	325	300	303	309	320	272	235	157	134	5939
Scott	5899	6012	6625	5485	5252	5238	6084	6660	6402	5120	3823	3226	2699	2567	1982	1356	792	505	75727
Shelby	450	506	545	440	283	346	455	473	438	380	343	316	329	322	294	233	149	120	6422
Sioux	1181	1312	1449	1355	1244	792	1036	1142	973	795	691	628	582	576	533	369	234	198	15090
Story	2237	2119	2115	4454	8730	3195	2664	2723	2298	1825	1368	1158	960	910	753	589	398	242	38738
Tama	582	620	729	586	430	473	600	643	597	557	518	407	448	398	390	328	173	161	8640
Taylor	193	266	278	223	139	144	216	261	244	191	171	166	181	185	187	151	101	85	3382
Union	363	435	487	473	332	310	406	447	491	359	313	263	256	278	254	196	128	90	5881
Van Buren	263	297	310	277	186	204	244	274	268	228	211	192	189	180	170	159	99	71	3822
Wapello	1101	1179	1348	1319	1049	975	1177	1410	1289	1102	849	864	824	808	735	587	363	228	17207
Warren	1356	1498	1695	1652	1218	1115	1349	1635	1647	1390	1088	841	648	567	457	326	212	134	18828
Washington	715	728	856	649	513	635	750	800	729	601	478	439	408	403	393	313	210	166	9786
Wayne	208	196	253	203	120	162	214	236	203	199	161	177	184	223	201	177	100	91	3308
Webster	1386	1454	1498	1359	1124	1138	1368	1458	1381	1153	952	925	930	914	678	543	399	253	18913
Winnebago	387	444	434	508	310	317	414	489	427	345	276	250	253	246	242	200	158	98	5798
Winneshiek	672	704	761	970	1067	604	777	756	663	555	480	457	439	415	380	280	187	130	10297
Woodbury	3859	3922	4360	3775	3262	3431	3713	4099	3652	2801	2185	2022	2010	1925	1578	1131	704	533	48962
Worth	237	270	318	251	180	219	265	298	265	235	234	183	191	191	157	153	89	92	3828
Wright	454	447	520	431	319	348	480	556	477	411	369	320	366	347	364	273	181	131	6794
State of Iowa	95900	101414	111284	104731	98801	90895	104455	112378	105616	86218	69120	60777	57374	55060	46804	35861	22584	15562	1374834

Table 2A. Age of Females in Iowa Counties, 1990.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	282	295	302	242	168	256	311	231	223	222	227	206	214	258	266	264	193	205	4365
Adams	151	157	158	145	90	149	172	139	154	146	132	140	131	172	142	120	93	87	2478
Allamakee	489	555	540	411	288	441	508	465	390	356	323	334	359	391	354	334	250	290	7078
Appanoose	458	464	502	453	342	441	483	449	429	364	335	358	384	415	423	358	257	285	7200
Audubon	252	275	256	204	126	207	241	219	212	189	196	207	235	223	233	208	158	176	3817
Benton	787	878	891	679	590	827	890	787	713	612	514	523	565	552	522	466	330	304	11430
Black Hawk	4032	4406	4458	5158	6305	4206	5061	4909	4300	3221	2933	2679	3002	2844	2515	1976	1470	1413	64888
Boone	837	915	879	729	670	918	1022	1032	817	693	610	598	641	652	595	546	431	575	13160
Bremer	684	842	819	945	844	678	787	792	791	666	590	525	486	577	532	426	365	382	11731
Buchanan	820	903	939	701	497	720	791	724	670	525	500	445	492	508	494	404	238	254	10625
Buena Vista	679	726	745	750	730	652	758	716	548	423	418	447	563	549	481	430	297	363	10275
Butler	480	572	611	487	311	447	593	550	478	394	386	403	440	487	441	356	321	309	8066
Calhoun	346	445	406	315	177	303	411	393	319	297	297	304	323	406	382	361	260	284	6029
Carroll	828	889	954	665	512	671	857	746	554	523	464	495	597	577	548	448	333	404	11065
Cass	462	593	537	443	312	471	551	521	464	398	404	397	416	439	466	422	323	301	7920
Cedar	553	689	730	531	400	613	671	701	570	508	406	407	460	417	406	346	248	249	8905
Cerro Gordo	1524	1628	1543	1655	1382	1810	2012	1817	1542	1190	1179	1175	1273	1288	1119	981	728	776	24622
Cherokee	460	519	593	497	262	437	499	532	416	365	368	403	388	373	366	327	239	251	7295
Chickasaw	446	528	528	424	258	411	535	460	389	364	355	276	344	353	309	283	230	214	6707
Clarke	287	320	297	274	189	285	291	343	243	217	226	183	254	201	201	207	141	169	4328
Clay	632	703	685	579	449	605	749	720	571	445	415	443	467	476	402	335	229	301	9206
Clayton	674	774	750	610	434	628	692	652	554	474	469	476	512	486	492	403	312	292	9684
Clinton	1754	1944	1962	1743	1390	1849	2094	1875	1749	1418	1333	1170	1355	1285	1257	958	706	724	26566
Crawford	598	640	662	643	383	531	612	548	531	472	386	393	430	446	407	357	243	297	8579
Dallas	1031	1197	1140	907	705	1137	1306	1213	1127	818	729	625	648	669	604	539	404	427	15226
Davis	278	310	319	283	204	253	300	296	226	222	226	198	210	207	190	212	138	178	4250
Decatur	242	287	275	389	338	245	272	229	224	204	187	192	236	216	248	177	167	181	4309
Delaware	685	860	782	609	427	681	745	592	501	444	434	406	435	423	366	279	260	242	9171
Des Moines	1447	1592	1528	1325	1240	1576	1596	1664	1549	1248	1033	1039	1133	1155	934	823	686	690	22258
Dickinson	420	513	544	399	281	435	517	620	505	410	381	440	494	481	454	370	244	253	7761
Dubuque	2925	3379	3242	3329	3062	3169	3476	3394	2816	2326	2009	1927	2012	1982	1673	1509	1215	1206	44651
Emmet	344	418	448	474	279	333	420	411	340	269	266	284	354	339	294	275	216	210	5974
Fayette	731	876	796	688	542	686	790	742	625	575	543	564	546	639	584	524	384	388	11223

Table 2A. Age of Females in Iowa Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	555	605	682	568	427	520	566	597	535	500	459	409	507	475	515	417	276	333	8946
Franklin	368	423	405	326	240	335	412	386	378	292	291	300	333	354	309	261	220	235	5868
Fremont	245	316	338	281	159	235	279	300	254	224	185	219	242	282	222	230	175	153	4339
Greene	302	370	354	277	203	298	349	368	287	238	259	277	306	311	319	310	211	231	5270
Grundy	380	431	453	352	236	357	441	430	403	328	344	310	345	340	374	304	218	215	6261
Guthrie	302	432	395	326	229	298	362	364	366	272	306	314	368	343	317	269	201	226	5690
Hamilton	526	576	578	502	352	528	602	584	512	433	441	439	442	457	420	319	284	282	8277
Hancock	462	511	502	405	268	437	493	463	383	287	298	309	311	340	317	282	219	210	6497
Hardin	558	680	624	659	409	561	681	653	577	481	476	480	557	582	549	506	367	452	9852
Harrison	464	578	525	515	328	502	558	476	447	404	351	376	382	425	379	358	266	301	7635
Henry	650	678	677	657	561	629	735	698	672	498	418	408	425	435	485	365	313	328	9632
Howard	337	385	390	277	194	320	330	285	273	255	221	256	280	265	271	273	216	214	5042
Humboldt	330	411	392	329	188	310	414	348	321	274	290	305	320	342	322	307	170	174	5547
Ida	302	343	303	245	152	265	309	272	247	201	171	220	258	260	217	204	161	183	4313
Iowa	536	566	520	373	326	539	587	509	438	369	390	366	387	391	378	359	233	295	7562
Jackson	692	743	780	678	515	663	755	696	587	583	472	541	509	492	458	399	316	287	10166
Jasper	1131	1225	1254	1070	908	1243	1353	1320	1198	974	947	905	991	877	779	645	513	472	17805
Jefferson	550	623	520	448	369	549	624	879	790	507	345	352	337	353	347	284	259	217	8353
Johnson	3021	2879	2385	4528	8624	5187	4322	3902	3038	2068	1582	1363	1311	1126	999	813	681	689	48518
Jones	623	703	736	584	460	639	688	668	583	512	439	445	474	474	423	380	246	307	9384
Keokuk	362	468	392	371	232	397	420	370	325	285	293	331	301	345	316	297	236	243	5984
Kossuth	647	767	710	595	352	570	674	623	524	469	519	490	513	528	473	418	326	361	9559
Lee	1250	1384	1400	1232	1057	1355	1436	1441	1270	1109	904	898	1037	1122	917	757	625	565	19759
Linn	5833	5870	5580	6183	6678	7238	7327	6892	6291	4896	4282	3737	3611	3434	2874	2465	1779	1824	86794
Louisa	373	411	471	394	301	403	435	469	371	314	282	266	273	259	209	195	159	173	5758
Lucas	275	311	339	272	207	272	335	322	263	270	224	258	270	248	260	246	178	195	4745
Lyon	453	465	541	400	285	346	410	424	335	237	300	337	299	310	293	251	205	216	6107
Madison	409	454	523	419	266	387	490	485	403	337	309	294	273	317	292	281	194	265	6398
Mahaska	742	758	785	733	697	769	804	797	635	544	473	491	553	607	532	463	310	351	11044
Marion	927	1088	1068	1168	1164	981	1121	1091	930	743	704	651	699	701	612	584	435	416	15083
Marshall	1214	1368	1320	1241	1063	1281	1503	1511	1356	1137	927	895	980	960	916	727	560	612	19571
Mills	390	466	526	485	321	435	554	600	525	361	321	276	311	263	280	234	163	146	6657
Mitchell	348	412	381	360	225	321	372	334	289	277	284	285	312	330	310	264	212	302	5618

Table 2A. Age of Females in Iowa Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	293	337	382	291	186	301	330	319	253	275	258	264	331	333	308	295	250	249	5255
Monroe	248	299	292	258	193	258	296	277	257	195	198	210	238	248	231	190	146	177	4211
Montgomery	358	430	426	399	255	411	423	435	390	312	275	318	330	361	371	320	292	281	6387
Muscatine	1413	1554	1593	1378	1245	1632	1639	1549	1390	1123	957	828	872	851	756	629	479	504	20392
O'Brien	503	586	614	463	294	466	581	560	394	368	373	389	478	477	409	367	323	366	8011
Osceola	271	292	261	242	153	218	277	247	190	174	176	202	187	198	196	165	120	171	3740
Page	487	599	648	512	311	509	618	595	497	447	381	453	489	515	470	452	334	380	8697
Palo Alto	336	436	403	350	206	271	377	336	279	246	287	323	327	279	311	289	207	250	5513
Plymouth	875	924	954	843	594	744	879	864	677	589	523	581	577	537	523	456	356	404	11900
Pocahontas	304	345	342	251	151	275	332	318	264	268	256	242	295	287	311	243	191	220	4914
Polk	12080	11564	10452	11028	13897	16135	15381	13868	12301	9341	7638	7018	6893	6588	5533	4627	3399	3434	171247
Pottawattamie	3049	3212	3019	2810	2669	3420	3497	3151	2784	2321	2092	2126	2111	1936	1605	1267	917	907	42913
Poweshiek	572	648	678	858	696	627	700	688	578	536	471	437	469	469	439	369	309	331	9875
Ringgold	127	200	185	163	96	144	176	172	166	132	154	171	156	189	191	160	128	132	2842
Sac	376	461	474	358	220	348	434	409	361	254	298	318	379	402	356	331	241	288	6308
Scott	5745	6008	5772	5289	5430	6289	6786	6310	5581	4289	3652	3161	3122	3109	2461	2008	1541	1334	77887
Shelby	416	509	502	449	254	431	437	464	369	310	327	345	361	376	383	319	238	279	6769
Sioux	1110	1339	1309	1392	1185	904	1083	1032	770	723	619	607	704	683	623	538	406	378	15405
Story	2067	2066	1905	3609	6500	2927	2719	2488	1994	1554	1287	1155	1178	1092	992	869	674	753	35829
Tama	545	636	679	565	435	543	613	577	522	465	457	476	462	474	459	421	300	354	8983
Taylor	217	245	272	248	131	185	238	230	207	175	166	194	205	248	221	203	191	171	3747
Union	404	446	502	502	325	450	452	470	423	332	302	318	308	360	324	301	267	275	6761
Van Buren	268	287	253	193	179	242	273	259	221	189	230	197	194	242	209	194	139	126	3895
Wapello	1172	1080	1209	1203	999	1221	1365	1342	1199	967	840	982	1020	1048	931	836	655	579	18648
Warren	1259	1421	1449	1432	1237	1331	1507	1525	1421	1177	892	809	618	678	508	495	321	408	18488
Washington	720	718	722	589	495	701	763	704	605	525	435	457	488	549	488	413	378	421	10171
Wayne	224	242	248	187	149	224	218	214	195	171	172	184	229	246	247	214	156	213	3733
Webster	1454	1476	1431	1345	1164	1440	1586	1457	1286	1011	958	1043	1096	1085	1009	835	640	765	21081
Winnebago	390	439	441	516	286	368	454	447	354	309	258	276	313	302	299	295	269	237	6253
Winneshiek	705	727	721	1053	1083	647	763	640	567	488	457	445	475	454	450	340	296	332	10643
Woodbury	3572	3945	3833	3564	3302	3739	3978	3792	3246	2389	2107	2190	2449	2380	2123	1709	1318	1355	50991
Worth	241	269	280	239	174	253	279	303	226	212	200	190	239	242	207	228	151	177	4110
Wright	473	485	509	411	300	463	502	486	452	347	343	372	439	482	435	362	282	335	7478
State of Iowa	94449	102037	99430	98018	96977	104358	111710	105567	91765	73891	65820	63746	66948	66554	59763	51231	38950	40739	1431953

Table 2B. Age of Males in Iowa Counties, 1990.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	272	297	345	244	193	242	310	288	244	190	198	204	222	203	215	177	121	79	4044
Adams	192	166	158	166	90	158	177	156	154	123	128	134	143	121	109	94	63	56	2388
Allamakee	502	551	542	505	325	433	535	524	409	364	323	327	359	366	287	204	125	96	6777
Appanoose	414	501	539	497	329	441	487	449	408	358	307	260	345	357	306	265	181	99	6543
Audubon	255	270	265	225	155	183	251	256	199	177	205	161	217	212	192	125	97	72	3517
Benton	865	933	923	762	574	799	934	845	700	594	524	521	476	477	429	337	177	129	10999
Black Hawk	4213	4712	4720	4812	5733	3910	4250	4724	4118	3275	2750	2490	2526	2420	1780	1279	726	472	58910
Boone	827	923	897	782	645	854	1021	1037	903	628	606	572	599	543	446	332	254	157	12026
Bremer	694	827	898	958	919	678	761	796	776	696	601	489	465	463	380	323	212	146	11082
Buchanan	796	973	981	798	535	681	787	763	689	524	519	412	415	443	370	265	168	100	10219
Buena Vista	737	806	720	729	828	695	771	746	555	400	365	386	497	450	381	292	189	143	9690
Butler	502	635	644	571	355	436	555	597	535	437	339	351	391	410	333	278	179	117	7665
Calhoun	347	425	469	341	220	334	398	463	327	264	284	267	302	320	293	188	130	107	5479
Carroll	861	1012	911	722	539	697	880	773	602	499	447	451	465	470	408	292	186	143	10358
Cass	500	596	574	489	286	485	563	533	478	385	374	336	391	350	300	267	185	116	7208
Cedar	550	697	712	562	400	558	723	690	624	486	429	384	394	393	356	259	144	115	8476
Cerro Gordo	1650	1776	1694	1566	1327	1707	1834	1816	1462	1080	1068	956	1181	1034	802	580	322	256	22111
Cherokee	470	591	542	453	289	431	530	545	459	363	299	364	412	354	264	200	142	95	6803
Chickasaw	451	589	569	520	287	403	562	487	411	362	347	302	319	309	260	205	112	93	6588
Clarke	277	329	313	261	195	265	340	294	278	194	204	190	199	185	134	142	98	61	3959
Clay	613	703	789	555	406	577	708	694	566	446	371	369	424	385	311	219	133	110	8379
Clayton	658	797	774	668	451	628	752	739	535	519	435	460	488	444	372	314	192	144	9370
Clinton	1831	1954	1970	1788	1424	1786	1954	1886	1724	1419	1245	1105	1167	1112	874	641	366	228	24474
Crawford	581	617	664	720	414	589	651	579	534	472	409	388	410	379	322	228	138	101	8196
Dallas	1079	1327	1258	1024	726	1011	1245	1196	1162	871	718	621	584	548	467	347	210	135	14529
Davis	326	313	349	295	209	281	306	282	265	216	201	193	193	166	175	125	109	58	4062
Decatur	265	280	259	409	364	224	268	286	207	202	169	184	191	195	183	151	103	89	4029
Delaware	730	861	799	637	491	629	773	658	531	441	434	408	387	388	302	183	121	91	8864
Des Moines	1351	1689	1629	1519	1210	1459	1553	1639	1550	1260	1003	916	942	947	680	506	294	209	20356
Dickinson	397	489	567	488	299	439	520	595	501	412	351	389	406	445	363	259	128	100	7148
Dubuque	3092	3402	3548	3480	3257	3136	3355	3213	2803	2253	2050	1787	1820	1642	1229	854	494	337	41752
Emmet	366	470	480	514	353	318	379	422	360	278	267	242	297	279	214	164	108	84	5595
Fayette	760	820	849	803	647	700	793	822	659	535	512	519	537	523	434	333	222	152	10620

Table 2B. Age of Males in Iowa Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	564	658	629	573	428	500	546	604	529	504	445	371	428	410	371	277	157	118	8112
Franklin	363	469	441	365	236	343	432	447	357	306	262	256	320	269	221	209	119	81	5496
Fremont	271	294	329	269	165	224	262	289	283	203	186	200	199	218	199	146	87	63	3887
Greene	334	377	360	314	211	304	334	349	312	231	254	223	292	257	207	210	131	75	4775
Grundy	395	430	483	376	238	343	434	446	403	365	326	272	298	286	280	219	111	63	5768
Guthrie	328	415	398	330	228	326	361	391	329	314	283	281	321	293	259	186	118	84	5245
Hamilton	536	581	608	537	393	564	654	583	546	386	388	352	459	380	357	242	129	99	7794
Hancock	451	568	508	431	280	409	510	494	391	328	286	275	290	284	230	190	128	88	6141
Hardin	561	701	720	914	465	514	733	682	553	459	435	442	470	491	408	327	215	152	9242
Harrison	561	565	625	478	345	464	559	492	442	387	344	342	352	352	289	217	156	125	7095
Henry	626	747	688	693	765	806	804	751	716	544	452	366	381	374	316	258	159	148	9594
Howard	337	372	401	303	223	331	367	339	248	240	233	211	278	239	243	181	120	101	4767
Humboldt	376	410	398	320	234	305	416	402	305	301	215	279	300	293	273	153	136	93	5209
Ida	324	355	337	295	163	251	317	304	252	205	172	179	227	210	176	130	87	68	4052
Iowa	514	536	526	465	364	516	618	549	474	360	334	354	357	355	304	226	122	94	7068
Jackson	732	845	846	742	532	681	760	722	594	526	489	483	472	447	356	274	162	121	9784
Jasper	1111	1299	1380	1251	940	1215	1431	1332	1220	979	836	812	924	736	620	462	280	162	16990
Jefferson	512	621	567	540	414	500	663	929	864	460	333	295	318	276	239	195	139	92	7957
Johnson	3136	2928	2477	4230	9006	5423	4598	3861	3089	2050	1498	1311	1164	1023	755	512	326	214	47601
Jones	643	698	769	711	805	902	872	831	706	520	473	420	439	371	364	280	154	102	10060
Keokuk	391	497	449	377	247	385	452	418	327	285	267	262	310	291	229	217	143	93	5640
Kossuth	651	798	793	607	362	592	748	665	562	427	468	483	456	438	380	293	171	138	9032
Lee	1311	1494	1562	1239	1092	1442	1583	1561	1388	1073	931	860	898	832	672	509	291	190	18928
Linn	6097	6254	6135	6108	6224	7099	7340	6851	6108	4693	4037	3656	3252	2987	2134	1508	892	598	81973
Louisa	430	473	473	424	409	431	506	425	403	314	281	254	264	238	187	138	114	70	5834
Lucas	295	326	328	323	201	267	292	312	274	252	240	219	245	247	187	154	95	68	4325
Lyon	494	570	540	437	260	375	432	437	332	267	230	307	290	273	235	174	107	85	5845
Madison	423	526	510	510	287	346	454	511	427	343	306	269	272	283	224	169	131	94	6085
Mahaska	796	844	825	747	743	761	833	821	673	536	453	412	494	509	408	293	196	134	10478
Marion	1047	1167	1155	1218	1121	1048	1091	1157	957	831	696	664	672	678	554	406	271	185	14918
Marshall	1284	1425	1400	1307	1063	1262	1399	1492	1342	1131	928	834	931	961	749	603	323	271	18705
Mills	447	535	609	491	328	454	545	546	546	394	340	291	293	239	186	151	88	62	6545
Mitchell	365	436	416	375	251	341	391	379	314	274	250	261	292	287	237	200	136	105	5310

Table 2B. Age of Males in Iowa Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	311	403	318	328	173	276	331	384	279	257	253	247	273	275	234	202	133	102	4779
Monroe	267	306	315	264	205	256	293	274	251	215	180	205	192	212	182	132	77	77	3903
Montgomery	372	466	438	387	262	376	419	422	404	299	237	303	292	277	223	223	166	123	5689
Muscatine	1529	1686	1593	1496	1237	1540	1691	1546	1455	1068	957	796	803	689	586	403	238	202	19515
O'Brien	523	642	619	526	399	462	606	564	431	318	344	366	386	375	323	265	173	111	7433
Osceola	264	268	309	244	187	228	312	253	199	177	150	173	207	178	120	111	80	67	3527
Page	512	584	669	620	462	523	578	664	559	448	388	386	397	446	338	284	181	134	8173
Palo Alto	344	410	451	461	244	310	398	349	288	248	225	276	299	265	202	174	117	95	5156
Plymouth	842	1121	1022	911	713	701	897	831	727	587	492	519	585	482	401	321	190	146	11488
Pocahontas	346	376	362	313	150	297	365	325	276	243	245	227	260	277	202	159	102	86	4611
Polk	12780	12184	11002	10623	12308	15139	14644	13406	11354	8790	7043	6379	6139	5166	3875	2619	1512	930	155893
Pottawattamie	3142	3329	3240	3024	2390	3163	3379	3077	2667	2152	1920	1861	1947	1591	1209	811	496	317	39715
Poweshiek	595	723	651	851	777	570	719	673	597	462	438	416	415	411	338	253	153	116	9158
Ringgold	163	218	191	153	99	141	173	166	166	132	130	165	168	154	121	112	71	55	2578
Sac	460	518	500	369	257	368	472	431	352	287	277	295	343	328	268	222	144	125	6016
Scott	6013	6186	6123	5271	5186	5799	6330	6256	5499	4249	3417	3067	2821	2599	1860	1243	700	473	73092
Shelby	473	556	532	445	283	415	491	469	388	317	323	310	361	332	290	225	136	115	6461
Sioux	1194	1359	1342	1291	1227	895	1076	1076	810	663	605	581	598	573	492	334	206	176	14498
Story	2316	2247	1984	4294	9036	3491	2792	2568	1988	1539	1262	1110	1011	927	731	539	355	233	38423
Tama	594	658	686	580	435	546	632	619	515	470	467	385	473	398	372	304	157	145	8436
Taylor	217	287	272	226	137	170	234	249	214	170	154	157	198	187	181	143	89	82	3367
Union	394	496	468	493	342	370	459	443	432	322	290	264	279	293	249	188	121	86	5989
Van Buren	279	319	304	257	197	230	263	272	229	196	190	188	199	184	172	148	93	61	3781
Wapello	1161	1244	1292	1305	1071	1123	1283	1341	1152	936	775	842	888	829	699	556	330	212	17039
Warren	1337	1503	1535	1502	1198	1226	1359	1485	1366	1098	955	796	650	543	408	291	180	113	17545
Washington	729	767	791	631	509	703	774	744	634	489	429	423	426	391	371	289	187	154	9441
Wayne	224	209	250	202	127	188	235	232	179	174	151	182	201	235	200	167	90	88	3334
Webster	1495	1606	1466	1379	1170	1357	1504	1426	1260	997	888	927	1007	972	669	521	366	251	19261
Winnebago	403	485	441	511	315	397	444	485	388	305	249	243	287	253	238	180	151	94	5869
Winneshiek	708	760	727	941	1099	696	828	713	584	466	444	432	465	425	372	252	166	126	10204
Woodbury	3893	4054	4050	3656	3229	3746	3820	3823	3143	2322	1949	1935	2107	1920	1495	1037	623	483	47285
Worth	262	305	308	255	187	255	288	296	235	206	222	183	216	190	155	146	83	89	3881
Wright	482	481	500	426	333	410	541	526	421	348	354	316	390	363	348	264	165	123	6791
State of Iowa	98754	107301	104787	101398	99442	102258	110293	106553	91436	72161	62556	58589	60405	55900	44744	33255	20454	14516	1344802

Note: The estimates for the state and counties by the U.S. Bureau of the Census 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 *July through June 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.

Projected Population in Iowa's Counties:

2000-2020

Willis Goudy, Iowa State University

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. Three sets of projections are reported in Table 1, each of which is based on assumptions concerning possible demographic or economic trends and on data available at the time they were completed.

The projections released in 1984 by the Office of the State Demographer for Iowa, a position that no longer exists in state government, were based on demographic trends. Certain assumptions were made about births, deaths, and migration in the state and the counties through 1982 and projected to the year 2000. The projections made by the Iowa Department of Transportation in 1987 considered the same trends, although data through at least 1985 were available as the base. These projections were carried forward through the year 2010. In 1995, Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009), provided projections to 2020. Economic models drive this third set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually; they had the advantage of using 1990 census figures as part of the data series for their projection equations. The Woods and Poole projections are used in Figure 1.

For Iowa, the projections for the year 2000 vary from 2,892,000 to 2,965,000; the more recent the projection, the lower the figure. The two projections that are available for 2010 differ by more than 57,000, with the more recent Woods and Poole (2,987,000) projection higher than that from the Iowa Department of Transportation (2,930,000). The only projection for 2020 exceeds 3 million.

Using the 1990 total populations as a base, more counties are projected to gain from 1990 to 2000 by the Office of the State Demographer (87 increase, 12 decrease) than by the Iowa Department of Transportation (68 increase, 31 decrease). The most recent projections from Woods and Poole suggest that 56 will gain while 43 will decline in population this decade. One projection available for 2010 predicts that more counties will increase than decrease (56, Woods and Poole) while the other projects more will decrease (58, Iowa Department of Transportation) during the first decade of the next century, even though the state's total population is expected to increase in both cases. From 2010 to 2020, the Woods and Poole projections suggest that 60 will gain while 39 will decline.

Percentage changes will be relatively small in most counties according to the Woods and Poole projections. For example, 62 counties are expected to change by less than three percentage points in either direction between 1990 and 2000. From 2000 to 2010, 65 may change by less than three points; this could decrease slightly to 63 between 2010 and 2020. Gains of at least 10 percent could occur in Dallas, Johnson, Linn, Polk, Sioux, and Warren in the 1990s. In the first decade of the next century, Dallas, Johnson, Sioux, and Warren again are projected to increase by at least 10 percent. In the second decade, Dallas, Johnson, and Warren are projected to do the same. No county is expected to decline by at least 10 percent in any of these three decades.

The projections from Woods and Poole include information on age. Numbers for the state are expected to increase between 1990 and 2010 in two broad age groups (18-64, 65 or older), while those under the age of 18 may decline (Table 2). Only 13 counties may have declines among those 65 and older, and the numerical changes anticipated for these counties are relatively small for those in this age group. Gains, on the other hand, may be substantial among older residents in some counties; 23 could see increases exceeding 1,000 from 1990 to 2010.

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

County	Census	State Demographer (1984)	Iowa Dept. of Transportation (1987)		Woods and Poole Economics (1995)		
	1990	2000	2000	2010	2000	2010	2020
Adair	8409	8300	8240	7750	8380	8440	8530
Adams	4866	5200	5030	4750	4540	4500	4490
Allamakee	13855	15000	17760	19420	13960	13890	13860
Appanoose	13743	14400	13290	12410	13730	13640	13570
Audubon	7334	8100	7460	7020	6910	6790	6710
Benton	22429	22400	23040	22940	24580	25980	27430
Black Hawk	123798	139400	120620	113790	126490	130730	135550
Boone	25186	25500	24730	24250	25650	26160	26750
Bremer	22813	25600	27270	28830	23740	24720	25790
Buchanan	20844	25000	26260	28360	21590	22010	22530
Buena Vista	19965	21600	20370	20340	20490	21090	21780
Butler	15731	17000	17990	18310	15880	16130	16430
Calhoun	11508	12400	11180	10240	11330	10890	10480
Carroll	21423	23900	24350	25300	21500	21470	21500
Cass	15128	17500	16170	15940	14850	14380	13970
Cedar	17444	18000	20380	21510	17750	18030	18380
Cerro Gordo	46733	47400	47430	47340	46680	46670	46820
Cherokee	14098	15300	14670	14070	13850	13850	13870
Chickasaw	13295	15000	16640	17440	13610	13960	14370
Clarke	8287	10000	9270	9710	8320	8560	8820
Clay	17585	18000	16850	15770	18000	18580	19230
Clayton	19054	21200	23520	25060	18840	18740	18650
Clinton	51040	57400	50760	48270	51240	51560	52140
Crawford	16775	21200	21570	23230	16340	15990	15700
Dallas	29755	28900	33450	35930	34800	39300	44040
Davis	8312	10400	10250	10970	8520	8570	8660
Decatur	8338	8600	7550	6680	7950	7730	7520
Delaware	18035	20400	24370	27900	18460	18590	18760
Des Moines	42614	43300	41470	39640	42750	42370	42130
Dickinson	14909	15800	15230	15170	16070	17030	18080
Dubuque	86403	92300	93870	94770	88950	89720	90690
Emmet	11569	13400	10640	9590	11360	11490	11630
Fayette	21843	23900	23240	22390	21520	20800	20120
Floyd	17058	18300	18670	18380	16840	17040	17270
Franklin	11364	11500	12140	11820	10970	10750	10560
Fremont	8226	9000	8160	7680	8080	7840	7630
Greene	10045	11400	10160	9380	10080	10140	10210
Grundy	12029	13000	11930	10970	12010	11780	11560
Guthrie	10935	10600	10510	9930	11270	11200	11170
Hamilton	16071	17200	15510	14580	15880	15590	15330
Hancock	12638	13700	15000	15760	12310	12570	12890
Hardin	19094	21000	20610	20230	18370	17940	17540
Harrison	14730	16000	16300	16420	14750	14430	14160
Henry	19226	17700	18760	18850	20630	22100	23680
Howard	9809	10900	11850	12340	9740	9480	9240
Humboldt	10756	11600	11670	11500	10220	9960	9710
Ida	8365	8200	9180	9400	8530	8920	9340
Iowa	14630	15000	14250	13820	15270	15780	16300
Jackson	19950	22900	24090	25150	20720	21400	22130
Jasper	34795	35100	35530	35410	35390	35760	36230

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

County	Census	State Demographer (1984)	Iowa Dept. of Transportation (1987)		Woods and Poole Economics (1995)		
	1990	2000	2000	2010	2000	2010	2020
Jefferson	16310	16200	16800	17200	17320	18040	18850
Johnson	96119	93700	85240	87830	106910	118240	130270
Jones	19444	20400	22360	23610	20610	21600	22620
Keokuk	11624	11900	11700	11230	11530	11530	11560
Kossuth	18591	21600	20280	19700	17820	17140	16490
Lee	38687	42800	39780	38560	38910	38560	38320
Linn	168767	167400	166690	166640	185600	199560	214240
Louisa	11592	13300	13070	13740	11800	11990	12220
Lucas	9070	10800	9810	9650	8910	8770	8640
Lyon	11952	12700	14200	15030	11830	11670	11580
Madison	12483	12800	13450	14030	13430	14070	14780
Mahaska	21532	22200	22960	23210	22050	22470	22960
Marion	30001	32500	33810	36410	31600	33040	34630
Marshall	38276	44600	40030	39600	38850	39890	41120
Mills	13202	15600	15120	16190	13950	14410	14950
Mitchell	10928	11300	10700	10050	10870	10590	10320
Monona	10034	10700	9470	8600	10130	10220	10320
Monroe	8114	8900	7940	7440	8080	7960	7850
Montgomery	12076	12200	12240	11790	12060	12120	12220
Muscatine	39907	51000	49120	54620	42050	43270	44690
O'Brien	15444	17100	16450	16340	15730	16300	16910
Osceola	7267	7800	7590	7290	6960	6650	6410
Page	16870	18500	16020	14810	16520	16130	15790
Palo Alto	10669	12100	10760	9990	10460	10520	10580
Plymouth	23388	24000	24590	24730	24910	25880	26960
Pocahontas	9525	10500	10300	9890	9190	9290	9410
Polk	327140	326900	322320	335310	362310	388850	417410
Pottawattamie	82628	93700	94720	99970	83070	82240	81780
Poweshiek	19033	17800	17950	17460	19260	19600	20020
Ringgold	5420	5600	5490	5240	5460	5510	5590
Sac	12324	12900	11500	10470	12210	12260	12380
Scott	150973	176000	162060	164540	159340	164550	170540
Shelby	13230	14300	15790	16320	12860	12400	12020
Sioux	29903	32500	37990	42560	33090	36520	40140
Story	74252	78500	71020	71000	78000	83060	88570
Tama	17419	18800	19650	19880	17660	17370	17130
Taylor	7114	8300	8020	7930	7030	6880	6760
Union	12750	14400	12160	11480	12480	12430	12420
Van Buren	7676	8500	8410	8380	7770	7850	7960
Wapello	35696	36800	35960	34290	35530	34730	34040
Warren	36033	37800	43250	48590	42250	48460	55010
Washington	19612	20600	20650	21100	21330	23040	24850
Wayne	7067	7800	6260	5520	6830	6650	6480
Webster	40342	42900	36090	32260	38970	37910	36940
Winnebago	12122	11300	13410	13730	11910	11820	11740
Winneshiek	20847	22900	26690	29740	21230	21540	21900
Woodbury	98276	105500	97900	97300	103660	107410	111580
Worth	7991	8100	8680	8560	7830	7750	7690
Wright	14269	15700	14090	13210	13970	13530	13110
State of Iowa	2776831	2965100	2899780	2929730	2891820	2987310	3094680

Table 2. Projected change* in total residents and by selected age groups, 1990-2010, in Iowa Counties.

County	Change by Age Group				County	Change by Age Group			
	Total Change	17 or Younger	18-64	65 or Older		Total Change	17 or Younger	18-64	65 or Older
Adair	30	-180	210	0	Jefferson	1730	-10	1430	310
Adams	-370	-140	-150	-80	Johnson	22120	4610	14680	2830
Allamakee	40	-540	180	400	Jones	2160	-160	1640	680
Appanoose	-100	-520	280	140	Keokuk	-90	-190	-30	130
Audubon	-540	-470	50	-120	Kossuth	-1450	-1170	-840	560
Benton	3550	330	2210	1010	Lee	-130	-1260	220	910
Black Hawk	6930	-1680	3930	4680	Linn	30790	3120	18450	9220
Boone	970	-490	680	780	Louisa	400	-110	330	180
Bremer	1910	-580	1170	1320	Lucas	-300	-200	-90	-10
Buchanan	1170	-720	1080	810	Lyon	-280	-330	-370	420
Buena Vista	1120	-40	980	180	Madison	1590	180	1290	120
Butler	400	-620	340	680	Mahaska	940	-330	990	280
Calhoun	-620	-620	-50	50	Marion	3040	-310	2250	1100
Carroll	50	-730	220	560	Marshall	1610	-1100	1020	1690
Cass	-750	-630	-260	140	Mills	1210	-180	1190	200
Cedar	590	-470	450	610	Mitchell	-340	-110	-630	400
Cerro Gordo	-60	-1090	70	960	Monona	190	-90	110	170
Cherokee	-250	-530	-90	370	Monroe	-150	-390	280	-40
Chickasaw	660	-420	500	580	Montgomery	40	-320	290	70
Clarke	270	-260	290	240	Muscatine	3360	-430	2540	1250
Clay	1000	-480	600	880	O'Brien	860	-360	580	640
Clayton	-310	-720	130	280	Osceola	-620	-710	30	60
Clinton	520	-1550	690	1380	Page	-740	-850	-10	120
Crawford	-790	-940	-330	480	Palo Alto	-150	-400	-120	370
Dallas	9540	1300	5980	2260	Plymouth	2490	-290	1750	1030
Davis	260	-180	120	320	Pocahontas	-240	-150	-130	40
Decatur	-610	-380	-140	-90	Polk	61710	10630	39050	12030
Delaware	560	-480	460	580	Pottawattamie	-390	-2280	-490	2380
Des Moines	-240	-1320	180	900	Poweshiek	570	-320	490	400
Dickinson	2120	-360	1200	1280	Ringgold	90	-180	310	-40
Dubuque	3320	-2350	2280	3390	Sac	-60	-300	-160	400
Emmet	-80	-300	30	190	Scott	13580	-610	8030	6160
Fayette	-1040	-1010	-380	350	Shelby	-830	-520	-350	40
Floyd	-20	-690	230	440	Sioux	6620	640	4280	1700
Franklin	-610	-450	-90	-70	Story	8810	2170	4790	1850
Fremont	-390	-350	80	-120	Tama	-50	-410	-100	460
Greene	90	-110	90	110	Taylor	-230	-280	280	-230
Grundy	-250	-490	80	160	Union	-320	-490	50	120
Guthrie	260	-120	180	200	Van Buren	170	-210	260	120
Hamilton	-480	-630	-130	280	Wapello	-970	-1220	-190	440
Hancock	-70	-320	150	100	Warren	12430	1470	7740	3220
Hardin	-1150	-920	-520	290	Washington	3430	230	2000	1200
Harrison	-300	-550	10	240	Wayne	-420	-210	90	-300
Henry	2870	-100	2380	590	Webster	-2430	-1390	-1520	480
Howard	-330	-330	100	-100	Winnebago	-300	-80	-250	30
Humboldt	-800	-430	-310	-60	Winneshiek	690	-240	430	500
Ida	560	-110	570	100	Woodbury	9130	260	6490	2380
Iowa	1150	-20	710	460	Worth	-240	-340	140	-40
Jackson	1450	-540	960	1030	Wright	-740	-550	-300	110
Jasper	960	-1040	840	1160					
State of Iowa						210480	-22140	146160	86460

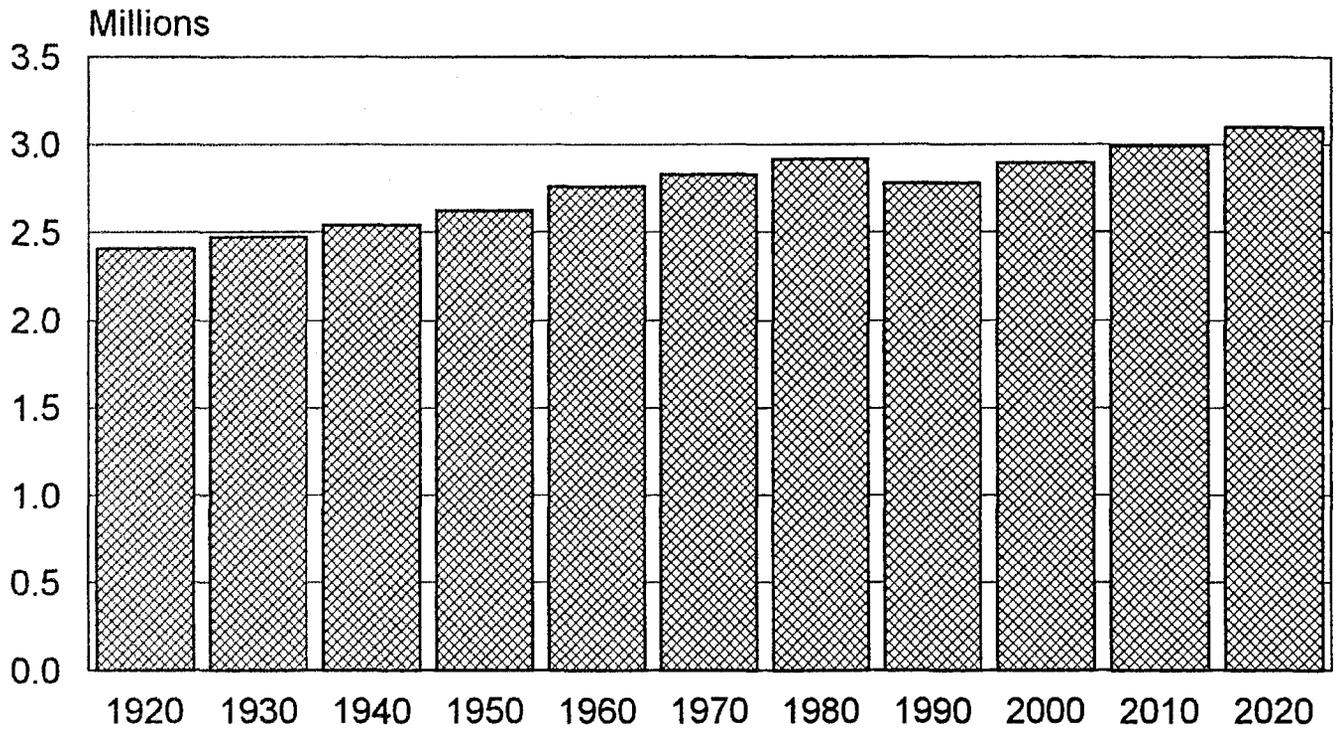
*Total change from the Woods and Poole Economics, Inc., projections first was rounded, then those for age groups were rounded to add to the total.

Similarly, most counties (72) are projected to have gains among those 18 through 64 in the years between 1990 and 2010. Again, a quarter (25) of Iowa's counties are projected to gain by at least 1,000 residents 18-64 years of age. In Johnson, Linn, and Polk, increases could be greater than 10,000. Most of the declines are relatively small in the 27 counties projected to have fewer residents 18-64 in 2010 than in 1990, with only that for Webster (-1,520) anticipated to be greater than 1,000.

For youth, however, declines are the rule. Eighty-eight counties are projected to have fewer residents under the age of 18 in 2010 than in 1990. Thirteen of these 88 could drop by at least 1,000 in this age category. Eleven counties may have gains, with those in Dallas, Johnson, Linn, Polk, Story, and Warren possibly exceeding 1,000.

Note: Caution is urged in examining population projections. Assumptions underlying the three sets reported here vary substantially; so does the time at which they were constructed. One method of using them would be to build a range by indicating the upper and lower projections for a county. Another possibility would be to pool projections from the various sets for a specific time period and obtain an average. In using either of these suggestions or the individual projections alone, it is important to realize how difficult it is to project populations even a few years, let alone a few decades, into the future. This is even more true when subgroups of the population—such as age categories—are involved.

Figure 1. Population (1920-1990) and projected population (2000-2020) in Iowa.



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, which was four years after statehood in 1846. County populations have undergone many changes in the succeeding years.

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 from the southwest corner to the northeast corner 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 corner. 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 significantly to nearly 675,000. Only Lyon and Osceola, two counties in the northwest corner of the state, had no reported population. During the decade of the 1850s, the counties along the Mississippi River experienced relatively great growth. Dubuque gained more than 20,000 people; Scott gained nearly that many (Table 2). The eastern and southeastern parts of the state grew as settlement progressed westward and northward from the southeast corner. By 1860, 29 counties had populations of more than 10,000. All counties in the state gained population from 1850 to 1860 with the exception of Pottawattamie.

Growth continued through the decade of the 1860s. The state gained more than 500,000 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 and most of them were 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, the most rapidly growing counties were in the central areas of the state rather than along the Mississippi River 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, indicating that rapid growth had reached into western Iowa. An additional indication of the shift in population was seen in the losses experienced by some 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, 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

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	0
Adams	4866	5731	6322	7468	8753	10156	10437	10521	10998	13601	12292	11888	4614	1533	0
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	0
Benton	22429	23649	22885	23422	22656	22875	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	0
Buchanan	20844	22200	21762	22293	21927	20991	19550	19890	19748	21427	18997	18546	17034	7906	517
Buena Vista	19965	20774	20693	21189	21113	19831	18667	18556	15981	16975	13548	7537	1585	57	0
Butler	15731	17668	16953	17467	17394	17986	17617	17845	17119	17955	15463	14293	9951	3724	0
Calhoun	11508	13542	14292	15923	16925	17584	17605	17783	17090	18569	13107	5595	1602	147	0
Carroll	21423	22951	22912	23431	23065	22770	22326	21549	20117	20319	18828	12351	2451	281	0
Cass	15128	16932	17007	17919	18532	18647	19422	19421	19047	21274	19645	16943	5464	1612	0
Cedar	17444	18635	17655	17791	16910	16884	16760	17560	17765	19371	18253	18936	19731	12949	3941
Cerro Gordo	46733	48458	49223	49894	46053	43841	38476	34675	25011	20672	14864	11461	4722	940	0
Cherokee	14098	16238	17269	18598	19052	19251	18737	17760	16741	16570	15659	8240	1967	58	0
Chickasaw	13295	15437	14969	15034	15228	15227	14637	15431	15375	17037	15019	14534	10180	4336	0
Clarke	8287	8612	7581	8222	9369	10231	10384	10506	10736	12440	11332	11513	8735	5427	79
Clay	17585	19576	18464	18504	18103	17761	16107	15660	12766	13401	9309	4248	1523	52	0
Clayton	19054	21098	20606	21962	22522	24334	24559	25032	25576	27750	26733	28829	27771	20728	3873
Clinton	51040	57122	56749	55060	49664	44721	44377	43371	45394	43832	41199	36763	35357	18938	2822
Crawford	16775	18935	19116	18569	19741	20531	21028	20614	20041	21685	18894	12413	2530	383	0
Dallas	29755	29513	26085	24123	23661	24641	25493	25120	23628	23058	20479	18746	12019	5244	854
Davis	8312	9104	8207	9199	9959	11131	11150	12574	13315	15620	15258	16468	15565	13764	7264
Decatur	8338	9794	9737	10539	12601	14011	14903	16566	16347	18115	15643	15336	12018	8677	965
Delaware	18035	18933	18770	18483	17734	18481	18122	18183	17888	19185	17349	17950	17432	11024	1759
Des Moines	42614	46203	46982	44605	42056	36801	38162	35520	36145	35989	35324	33099	27256	19611	12988
Dickinson	14909	15629	12565	12574	12756	12181	10982	10241	8137	7995	4328	1901	1389	180	0
Dubuque	86403	93745	90609	80048	71337	63761	61214	58262	57450	56403	49848	42996	38969	31164	10841
Emmet	11569	13336	14009	14871	14102	13401	12856	12627	9816	9936	4274	1550	1392	105	0
Fayette	21843	25488	26898	28581	28294	29151	29145	29251	27919	29845	23141	22258	16973	12073	825

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	0
Franklin	11364	13036	13255	15472	16268	16379	16382	15807	14780	14996	12871	10249	4738	1309	0
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	0
Grundy	12029	14366	14119	14132	13722	13518	14133	14420	13574	13757	13215	12639	6399	793	0
Guthrie	10935	11983	12243	13607	15197	17210	17324	17596	17374	18729	17380	14394	7061	3058	0
Hamilton	16071	17862	18383	20032	19660	19922	20978	19531	19242	19514	15319	11252	6055	1699	0
Hancock	12638	13833	13506	14604	15077	15402	14802	14723	12731	13752	7621	3453	999	179	0
Hardin	19094	21776	22248	22533	22218	22530	22947	23337	20921	22794	19003	17807	13684	5440	0
Harrison	14730	16348	16240	17600	19560	22767	24897	24488	23162	25597	21356	16649	8931	3621	0
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	0
Humboldt	10756	12246	12519	13156	13117	13459	13202	12951	12182	12667	9836	5341	2596	332	0
Ida	8365	8908	9283	10269	10697	11047	11933	11689	11296	12327	10705	4382	226	43	0
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	0
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	0	0
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	0
Mitchell	10928	12329	13108	14043	13945	14121	14065	13921	13435	14916	13299	14363	9582	3409	0

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	0
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	0
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	0
Osceola	7267	8371	8555	10064	10181	10607	10182	10223	8956	8725	5574	2219	0	0	0
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	0
Plymouth	23388	24743	24322	23906	23252	23502	24159	23584	23129	22209	19568	8566	2199	148	0
Pocahontas	9525	11369	12793	14234	15496	16266	15687	15602	14808	15339	9553	3713	1446	103	0
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	0
Sac	12324	14118	15573	17007	17518	17639	17641	17500	16555	17639	14522	8774	1411	246	0
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	0
Sioux	29903	30813	27996	26375	26381	27209	26806	26458	25248	23337	18370	5426	576	10	0
Story	74252	72326	62783	49327	44294	33434	31141	26185	24083	23159	18127	16906	11651	4051	0
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	0
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	0
Winnebago	12122	13010	12990	13099	13450	13972	13143	13489	11914	12725	7325	4917	1562	168	0
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	0
Worth	7991	9075	8984	10259	11068	11449	11164	11630	9950	10887	9247	7953	2892	756	0
Wright	14269	16319	17294	19447	19652	20038	20216	20348	17951	18227	12057	5062	2392	653	0
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

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	0
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	0	0
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. 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 3. 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	Percent	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	

decade and, for the first time, Polk became the most populous county. Significant growth was also shown in Plymouth and Sioux.

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 3). 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% of its population, while Fremont, Keokuk, Lucas, Ringgold, and Union declined by more than 15%. 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%; Polk, +34%; Woodbury, +24%), although Monroe was highest (+41%). 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%). 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%); it was the only county with a decline greater than 10%. 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% over 1920. Even though the state was growing, nearly half (48) of the counties declined. Monroe dropped by 8,457 people, a 36% 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%. Of the 51 counties that grew during the decade, the greatest percentage gains were in Black Hawk (+22%), Story (+19%), and Jasper (+18%). Woodbury joined Polk in having a total population over 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 (-9%) 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 16% 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%; four of these (Appanoose, Fremont, Lucas, Monroe) were over 15%. The 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 were nine counties for which population gains were greater than 10%. All of these nine contained substantial cities. Johnson and Story led with increases greater than 30% 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%. Fifty-five counties had fewer residents in 1950 than they counted in 1900 (Table 3). 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% 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% and eight of these also had more than 10% growth the previous decade. Still, 58 counties declined, 16 losing more than 10%. Eight counties (Adams, Appanoose, Decatur, Fremont, Monona, Ringgold, Taylor, Wayne) were down at least 14% and all of them had lost at least 10% 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%. This time 74 counties experienced population declines, more than in any previous decade. Twenty-two had losses of at least 10%. 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% occurred in Johnson (+34%), Story (+27%), and Warren (+32%).

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%. 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% in Dickinson and 27% 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% (Polk, +8%; Johnson, +18%). 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% in the 1980s (Figure 5). Seven of these declines were 15% or greater (Adams, -15%; Calhoun, -15%; Greene, -17%; Grundy, -16%; Kossuth, -15%; Palo Alto, -16%; Pocahontas, -16%).

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% (Table 3). 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.

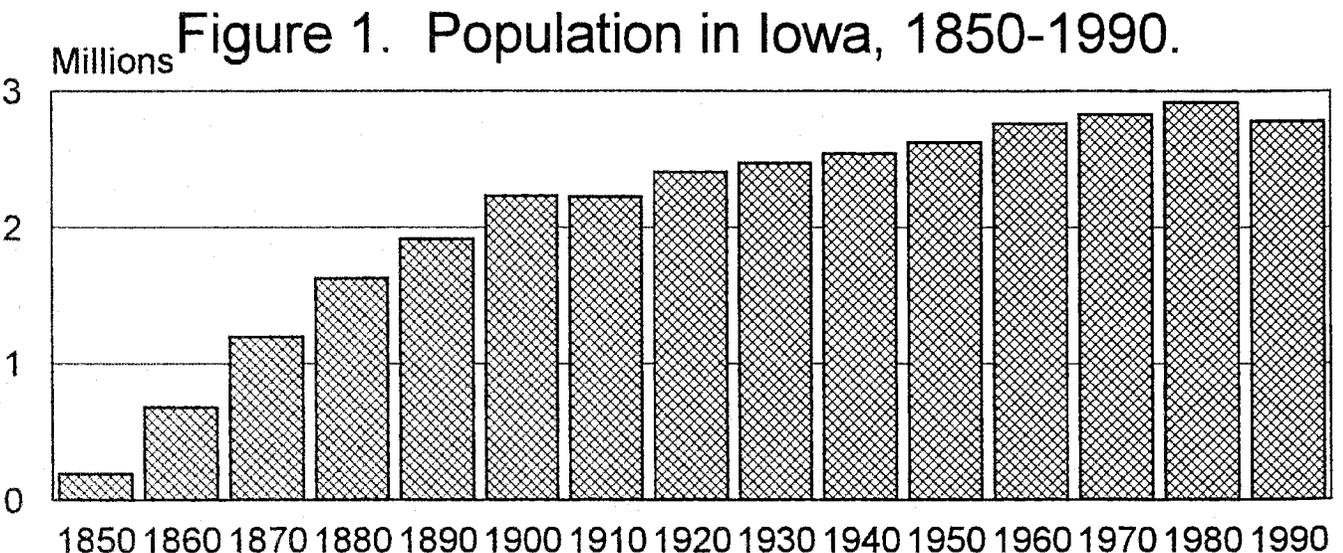


Figure 2. Historical population peaks, 1850-1990.

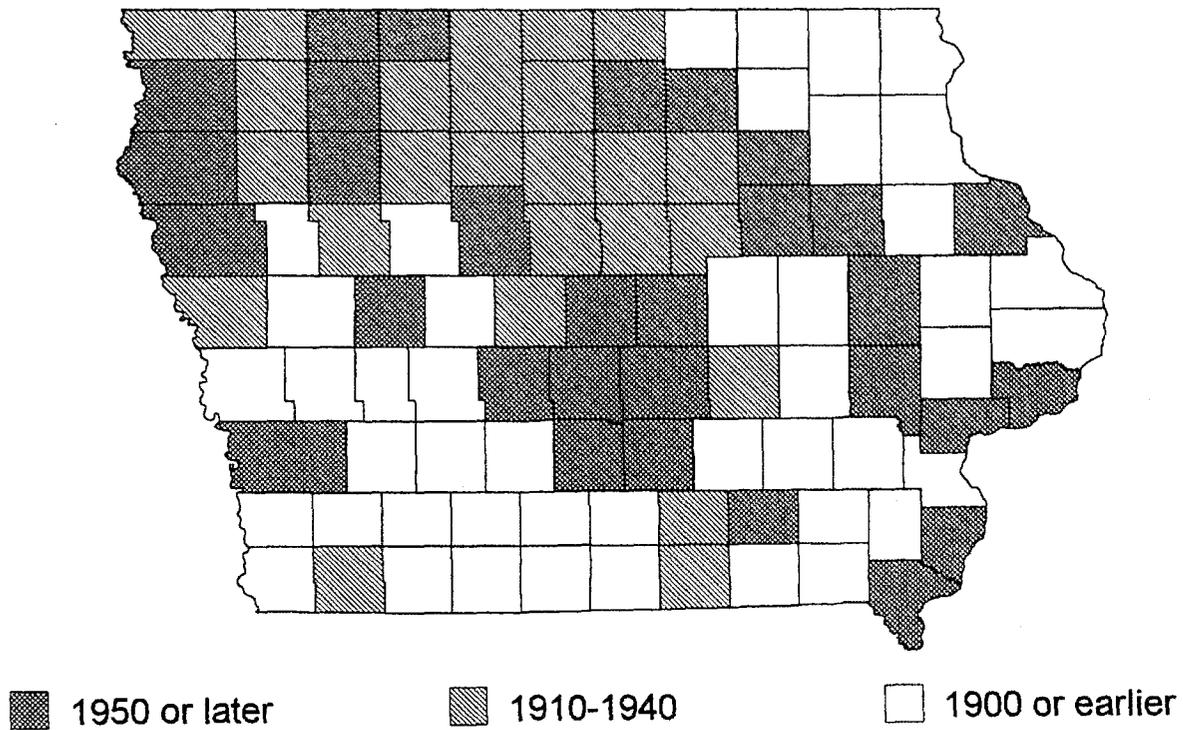


Figure 3. Population change, 1980-1990.

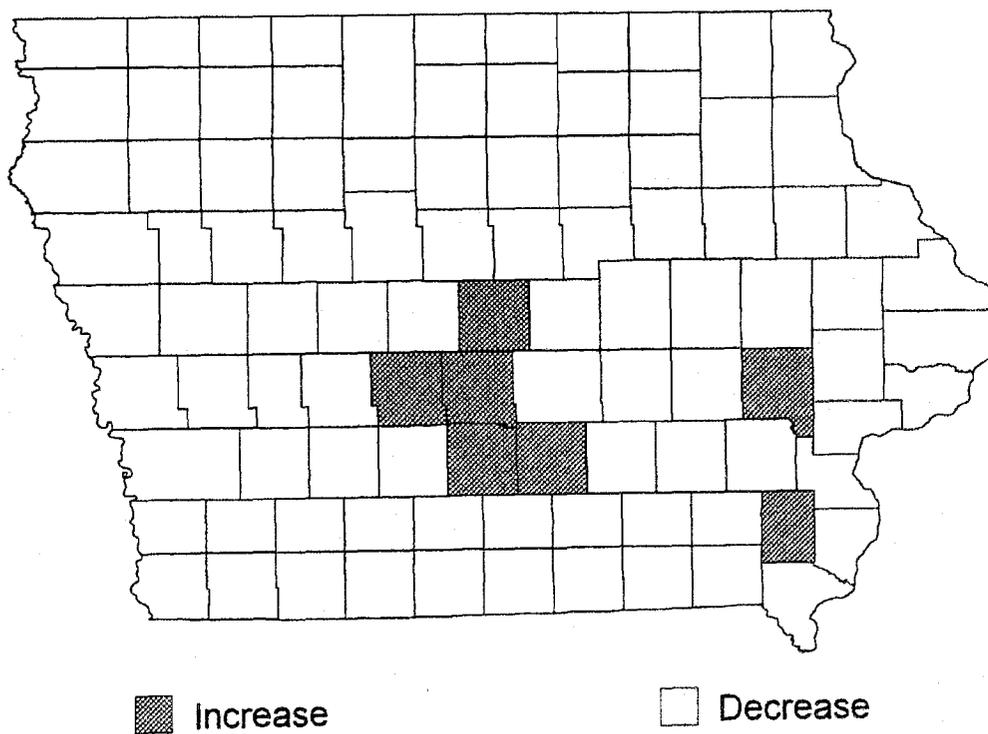
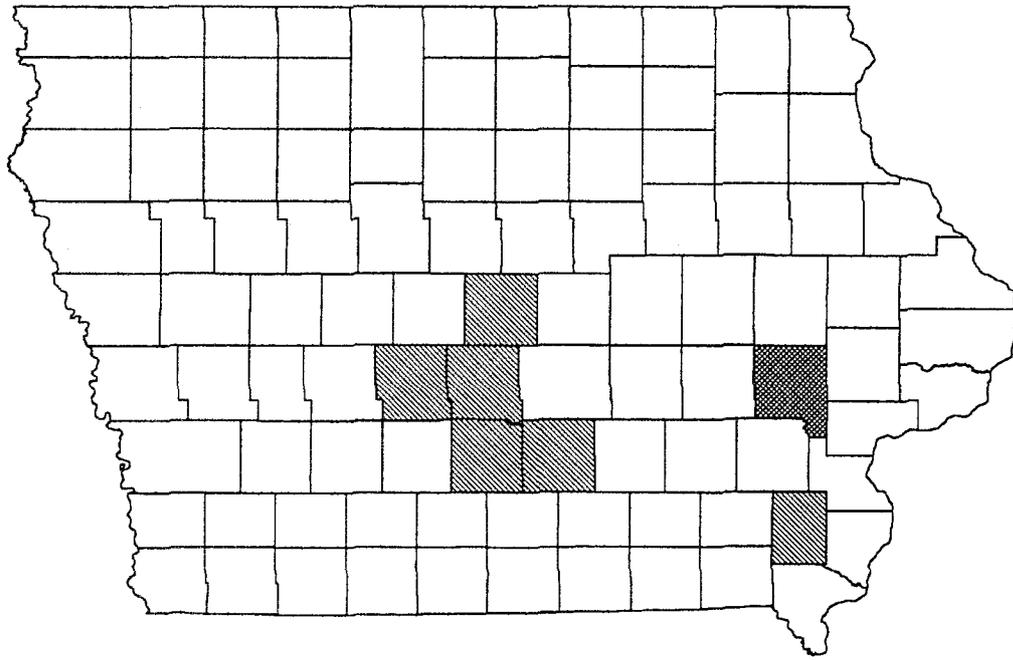
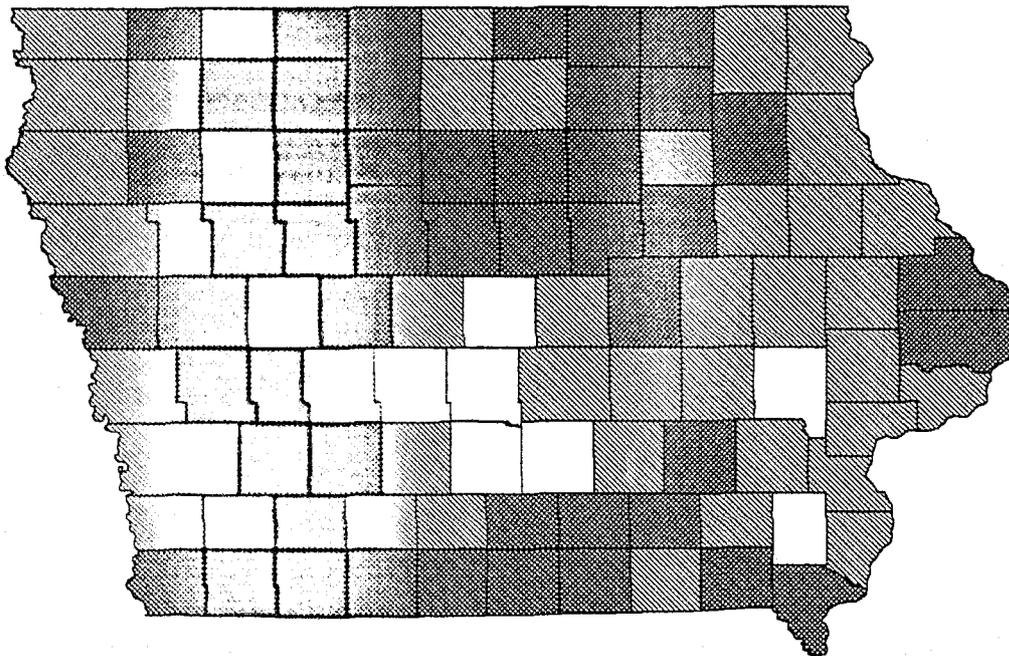


Figure 4. Percent increase, 1980-1990.



■ Increase 10% or more ■ Increase less than 10% □ Decrease

Figure 5. Percent decrease, 1980-1990.



■ Decrease 10% or more ■ Decrease less than 10% □ Increase

Migration and Iowa's Counties:

1985 to 1990

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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. 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.

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.

Nonmovers and Movers Within the County

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. Although numbers living in the same residence in 1985 and 1990 or moving only within the county account for the majority of residents in each county, it is those who moved to or from the county that is of interest in this report.

County-to-County Migration Within Iowa

Nearly 264,000 residents moved from one Iowa county to another in this state in the 1985-1990 comparison (Tables 1, 2). 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. The counties with the next highest numbers of outmigrants were Johnson and Story. That means these five counties had both the largest numbers of people leaving for other Iowa locations and well as the largest numbers entering from other Iowa counties.

Outmigration within Iowa was greater than immigration in the state in 78 counties (Table 2, 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

Table 1. 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 Exchanges 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	29
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. 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 Exchanges 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. Net Migration Among Iowa Counties, 1985 to 1990.

County	In-migration	Out-migration	Net Migration Among Iowa Counties	County	In-migration	Out-migration	Net Migration Among Iowa Counties
Adair	804	1172	-368	Jefferson	1012	1616	-604
Adams	600	626	-26	Johnson	19350	9402	9948
Allamakee	1020	1190	-170	Jones	2639	2574	65
Appanoose	1101	1409	-308	Keokuk	1119	1472	-353
Audubon	714	1012	-298	Kossuth	1154	2188	-1034
Benton	2664	2565	99	Lee	1816	2527	-711
Black Hawk	13140	12021	1119	Linn	14587	12677	1910
Boone	2927	3176	-249	Louisa	1160	1421	-261
Bremer	3060	2901	159	Lucas	930	1556	-626
Buchanan	2040	2496	-456	Lyon	524	661	-137
Buena Vista	2941	2718	223	Madison	1630	1433	197
Butler	1395	2260	-865	Mahaska	2342	2499	-157
Calhoun	1353	1777	-424	Marion	3813	3013	800
Carroll	1438	2686	-1248	Marshall	3345	4330	-985
Cass	1355	1756	-401	Mills	1430	1345	85
Cedar	2085	2158	-73	Mitchell	795	1013	-218
Cerro Gordo	4621	4579	42	Monona	969	987	-18
Cherokee	1148	1435	-287	Monroe	630	818	-188
Chickasaw	1089	2031	-942	Montgomery	1110	1318	-208
Clarke	966	963	3	Muscatine	2539	3248	-709
Clay	1887	2196	-309	O'Brien	1455	1899	-444
Clayton	1540	2501	-961	Osceola	334	708	-374
Clinton	2602	3749	-1147	Page	1497	1128	369
Crawford	1522	1861	-339	Palo Alto	944	1599	-655
Dallas	4486	4603	-117	Plymouth	2400	1859	541
Davis	651	884	-233	Pocahontas	942	1492	-550
Decatur	726	954	-228	Polk	30701	21339	9362
Delaware	1490	2488	-998	Pottawattamie	3470	3974	-504
Des Moines	2366	2660	-294	Poweshiek	2103	2093	10
Dickinson	1720	1483	237	Ringgold	445	632	-187
Dubuque	3737	6244	-2507	Sac	1266	1641	-375
Emmet	1171	1297	-126	Scott	7193	7363	-170
Fayette	2263	2888	-625	Shelby	1061	1494	-433
Floyd	1674	2378	-704	Sioux	1853	2246	-393
Franklin	1169	1564	-395	Story	17918	8621	9297
Fremont	617	764	-147	Tama	1642	2359	-717
Greene	1016	1680	-664	Taylor	510	934	-424
Grundy	1410	1732	-322	Union	1203	1478	-275
Guthrie	1379	1558	-179	Van Buren	722	991	-269
Hamilton	1793	2209	-416	Wapello	3107	4041	-934
Hancock	1354	1808	-454	Warren	6438	5186	1252
Hardin	2260	2741	-481	Washington	2047	2283	-236
Harrison	967	1244	-277	Wayne	712	721	-9
Henry	2448	2233	215	Webster	3316	4238	-922
Howard	897	1070	-173	Winnebago	1233	1196	37
Humboldt	997	1289	-292	Winneshiek	1834	1955	-121
Ida	721	1078	-357	Woodbury	5067	6104	-1037
Iowa	1324	1654	-330	Worth	785	1018	-233
Jackson	1389	2154	-765	Wright	1197	1728	-531
Jasper	3394	3407	-13				
				State of Iowa	263720	263720	0

Table 3. Net Migration Between Other States and Iowa Counties, 1985 to 1990.

County	In-migration from Other States	Out-migration to Other States	Net Migration	County	In-Migration from Other States	Out-Migration to Other States	Net Migration
Adair	374	414	-40	Jefferson	1851	1611	240
Adams	231	378	-147	Johnson	14000	19547	-5547
Allamakee	638	887	-249	Jones	833	931	-98
Appanoose	965	1497	-532	Keokuk	391	661	-270
Audubon	181	483	-302	Kossuth	811	1504	-693
Benton	946	1485	-539	Lee	2608	4265	-1657
Black Hawk	6906	15095	-8189	Linn	11764	16361	-4597
Boone	1294	1883	-589	Louisa	657	531	126
Bremer	1319	2052	-733	Lucas	315	740	-425
Buchanan	630	1201	-571	Lyon	909	1244	-335
Buena Vista	1397	1963	-566	Madison	764	752	12
Butler	357	807	-450	Mahaska	1179	1839	-660
Calhoun	509	822	-313	Marion	1789	2216	-427
Carroll	754	1224	-470	Marshall	1767	3879	-2112
Cass	747	1213	-466	Mills	1363	1218	145
Cedar	589	1402	-813	Mitchell	505	689	-184
Cerro Gordo	2503	4630	-2127	Monona	458	917	-459
Cherokee	615	1115	-500	Monroe	337	294	43
Chickasaw	325	835	-510	Montgomery	939	1540	-601
Clarke	324	445	-121	Muscatine	2620	3607	-987
Clay	1196	1642	-446	O'Brien	853	1455	-602
Clayton	602	1471	-869	Osceola	490	765	-275
Clinton	3423	5276	-1853	Page	1116	1751	-635
Crawford	793	1837	-1044	Palo Alto	555	869	-314
Dallas	1676	2348	-672	Plymouth	974	2041	-1067
Davis	442	551	-109	Pocahontas	336	673	-337
Decatur	1021	1116	-95	Polk	29014	36355	-7341
Delaware	484	786	-302	Pottawattamie	7005	10631	-3626
Des Moines	3247	4628	-1381	Poweshiek	1694	1892	-198
Dickinson	1080	1713	-633	Ringgold	290	415	-125
Dubuque	6002	7497	-1495	Sac	471	720	-249
Emmet	735	1279	-544	Scott	17404	24916	-7512
Fayette	902	1796	-894	Shelby	604	995	-391
Floyd	725	1421	-696	Sioux	2259	2979	-720
Franklin	399	481	-82	Story	8060	15894	-7834
Fremont	636	875	-239	Tama	669	1077	-408
Greene	364	738	-374	Taylor	503	470	33
Grundy	299	815	-516	Union	536	1298	-762
Guthrie	494	618	-124	Van Buren	401	638	-237
Hamilton	601	982	-381	Wapello	2149	3514	-1365
Hancock	429	907	-478	Warren	1604	2277	-673
Hardin	862	1639	-777	Washington	811	1312	-501
Harrison	1195	1413	-218	Wayne	396	643	-247
Henry	1512	1561	-49	Webster	2473	3911	-1438
Howard	450	755	-305	Winnebago	788	905	-117
Humboldt	318	775	-457	Winneshiek	2034	2160	-126
Ida	290	440	-150	Woodbury	9721	13439	-3718
Iowa	355	663	-308	Worth	301	512	-211
Jackson	681	1235	-554	Wright	681	950	-269
Jasper	1429	1778	-349				
				State of Iowa	194298	288670	-94372

Table 4. Net migration Between Iowa Counties and Other States, 1985 to 1990.

State	Immigration to Iowa Counties	Outmigration from Iowa Counties	Net Migration	Total Exchange
Alabama (AL)	745	1168	-423	1913
Alaska (AK)	732	800	-68	1532
Arizona (AZ)	5373	15963	-10590	21336
Arkansas (AR)	2662	4916	-2254	7578
California (CA)	12861	21628	-8767	34489
Colorado (CO)	8238	11143	-2905	19381
Connecticut (CT)	677	1256	-579	1933
Delaware (DE)	106	317	-211	423
District of Columbia (DC)	348	551	-203	899
Florida (FL)	4513	13530	-9017	18043
Georgia (GA)	1696	4349	-2653	6045
Hawaii (HI)	760	794	-34	1554
Idaho (ID)	702	1176	-474	1878
Illinois (IL)	30316	32490	-2174	62806
Indiana (IN)	3754	5828	-2074	9582
Kansas (KS)	5350	8899	-3549	14249
Kentucky (KY)	1257	2194	-937	3451
Louisiana (LA)	1694	1047	647	2741
Maine (ME)	435	436	-1	871
Maryland (MD)	1143	2016	-873	3159
Massachusetts (MA)	929	1949	-1020	2878
Michigan (MI)	4142	5725	-1583	9867
Minnesota (MN)	15086	24608	-9522	39694
Mississippi (MS)	1003	858	145	1861
Missouri (MO)	12188	21807	-9619	33995
Montana (MT)	1294	1091	203	2385
Nebraska (NE)	16719	20773	-4054	37492
Nevada (NV)	678	2488	-1810	3166
New Hampshire (NH)	320	446	-126	766
New Jersey (NJ)	1256	1762	-506	3018
New Mexico (NM)	1271	1871	-600	3142
New York (NY)	2833	3965	-1132	6798
North Carolina (NC)	1818	4002	-2184	5820
North Dakota (ND)	1712	1131	581	2843
Ohio (OH)	3481	5050	-1569	8531
Oklahoma (OK)	3939	3458	481	7397
Oregon (OR)	1320	1957	-637	3277
Pennsylvania (PA)	1819	2762	-943	4581
Rhode Island (RI)	114	290	-176	404
South Carolina (SC)	902	1645	-743	2547
South Dakota (SD)	6189	6929	-740	13118
Tennessee (TN)	1344	2933	-1589	4277
Texas (TX)	14599	15590	-991	30189
Utah (UT)	1243	1274	-31	2517
Vermont (VT)	161	224	-63	385
Virginia (VA)	2229	3805	-1576	6034
Washington (WA)	2277	5218	-2941	7495
West Virginia (WV)	235	496	-261	731
Wisconsin (WI)	8749	13038	-4289	21787
Wyoming (WY)	1086	1024	62	2110
Total Other States	194298	288670	-94372	482968

Figure 1. Net migration among Iowa counties, 1985-1990.

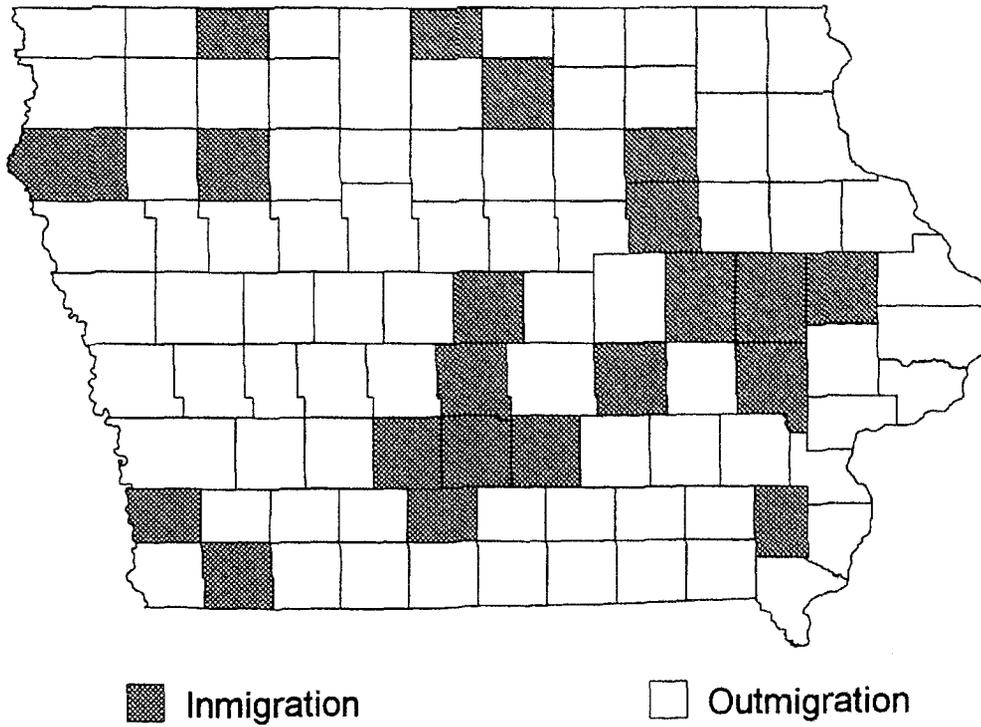


Figure 2. Net migration between Iowa counties and other states, 1985-1990.

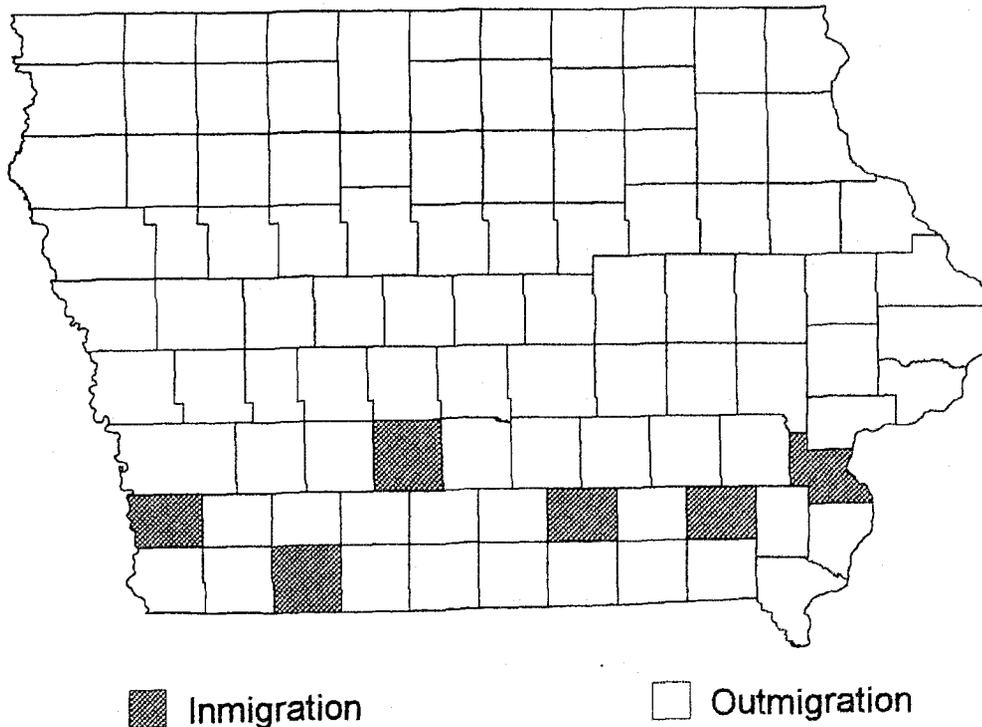


Table 5. Residents Who Lived in a Specific Iowa County in 1990 but Another Iowa County in 1985.

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
1 Adair	----	115	0	0	0	3	32	19	7	0	20	1	8	5	54	0	0	0	0	0
2 Adams	11	----	0	0	0	0	21	0	0	0	14	0	0	13	9	0	0	0	0	0
3 Allamakee	0	0	----	0	0	45	75	0	46	26	21	6	0	0	0	0	46	0	21	0
4 Appanoose	0	0	0	----	8	0	16	17	0	0	6	0	5	0	0	0	0	0	0	13
5 Audubon	7	0	2	0	----	19	36	0	6	0	12	0	26	54	165	0	0	3	0	0
6 Benton	0	2	17	17	0	----	190	7	13	61	0	11	0	0	16	0	0	7	0	0
7 Black Hawk	18	2	53	0	0	149	----	27	923	713	18	254	38	18	27	4	302	14	177	0
8 Boone	6	0	0	0	6	0	106	----	14	2	24	0	1	60	0	0	6	17	0	0
9 Bremer	0	0	13	0	0	18	672	14	----	97	56	290	0	3	10	6	37	0	152	0
10 Buchanan	10	0	0	0	0	69	464	22	75	----	6	13	0	6	0	13	5	0	20	0
11 Buena Vista	0	0	0	0	0	1	70	49	0	----	7	59	2	38	9	27	240	2	0	0
12 Butler	3	0	4	0	0	6	511	17	264	29	17	----	0	8	0	0	28	3	70	0
13 Calhoun	0	0	0	0	0	0	110	53	15	0	40	2	----	79	35	6	2	0	0	29
14 Carroll	22	9	0	0	77	0	185	58	12	0	73	0	54	----	0	0	0	5	0	0
15 Cass	53	22	0	0	164	0	88	0	7	0	16	0	0	28	----	0	0	18	0	0
16 Cedar	0	0	11	0	0	20	73	0	7	0	6	0	0	0	0	----	6	0	0	0
17 Cerro Gordo	0	2	28	0	9	0	335	42	41	27	27	34	10	0	18	2	----	41	24	0
18 Cherokee	9	0	0	0	0	0	78	14	0	0	116	4	28	2	9	36	21	----	2	0
19 Chickasaw	0	10	21	0	0	21	184	18	299	10	6	60	0	0	0	3	46	0	----	0
20 Clarke	7	0	0	2	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	----
21 Clay	0	8	8	11	4	0	33	0	0	0	258	0	17	9	0	0	90	28	0	0
22 Clayton	0	0	220	0	5	8	218	0	17	65	27	0	0	0	12	37	29	29	21	0
23 Clinton	4	0	2	0	0	42	177	9	13	6	12	0	6	0	0	75	13	0	0	0
24 Crawford	0	0	5	0	21	0	48	12	0	0	63	11	26	215	0	0	0	21	0	0
25 Dallas	47	0	17	18	2	20	132	386	0	7	8	0	16	2	19	0	0	0	0	18
26 Davis	0	0	0	52	0	51	11	9	4	13	8	0	0	0	0	0	7	0	0	0
27 Decatur	0	0	0	0	0	0	6	0	0	6	0	0	0	4	0	0	0	0	0	195
28 Delaware	0	5	0	29	3	62	105	14	66	106	11	8	0	0	4	29	33	2	0	0
29 Des Moines	0	0	2	6	3	9	45	6	10	6	0	0	0	0	0	0	0	0	0	10
30 Dickinson	0	0	0	0	15	0	42	4	6	12	121	0	18	0	0	0	19	32	0	0
31 Dubuque	0	0	43	1	3	6	697	6	59	18	6	14	0	0	0	12	30	0	15	0
32 Emmet	0	0	0	25	0	0	37	0	8	0	32	0	19	22	0	0	39	18	0	0
33 Fayette	0	3	74	0	0	77	332	36	146	330	40	29	0	0	0	4	64	0	56	0
34 Floyd	6	0	0	0	6	5	191	7	86	11	10	75	0	0	0	0	552	0	144	0
35 Franklin	0	0	0	0	0	4	46	0	7	0	39	97	0	0	5	0	207	7	6	0
36 Fremont	0	14	0	0	0	0	0	6	0	0	9	0	7	0	21	0	10	0	0	0
37 Greene	2	2	0	0	4	2	58	110	7	0	15	6	31	87	24	2	22	6	0	0
38 Grundy	0	0	9	0	0	32	416	0	23	1	0	160	0	0	2	6	13	0	0	9
39 Guthrie	224	0	0	0	102	0	44	43	0	0	31	0	7	41	33	0	0	0	0	0
40 Hamilton	0	0	0	0	0	0	129	166	26	0	22	6	7	0	0	0	7	0	0	6
41 Hancock	0	0	0	0	0	0	89	10	7	2	13	2	11	0	2	0	325	0	9	0
42 Hardin	0	0	7	8	0	0	190	41	40	0	0	39	13	2	0	0	88	11	8	0
43 Harrison	0	14	0	0	0	0	12	13	8	0	29	0	0	8	11	0	0	0	0	0
44 Henry	0	0	4	12	3	53	52	0	20	0	25	3	4	29	0	13	34	29	0	6
45 Howard	0	2	33	0	0	8	107	0	15	18	46	2	0	0	0	9	77	0	63	0
46 Humboldt	0	0	4	0	0	0	82	0	13	0	5	5	21	0	0	6	7	23	0	0
47 Ida	0	2	4	0	0	0	23	29	6	0	106	0	12	28	29	0	13	96	0	0
48 Iowa	2	0	0	0	0	96	60	0	0	31	0	5	0	13	4	22	0	0	0	0
49 Jackson	0	0	5	0	0	8	88	5	14	10	0	0	0	0	0	87	0	0	33	0
50 Jasper	3	0	0	18	0	30	110	40	0	0	6	2	2	3	0	0	21	8	0	0

Table 5. 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	2	11	0	0	36	19	0	0	0	0	0	0	14	0	0	8	0	20
52 Johnson	0	2	12	3	0	54	329	25	30	17	15	7	4	45	15	341	138	28	5	0
53 Jones	0	0	49	24	0	23	107	0	31	16	10	3	6	4	0	154	10	0	31	0
54 Keokuk	0	1	0	0	0	1	12	4	0	0	0	8	0	0	0	6	0	0	0	0
55 Kossuth	5	0	0	4	0	4	89	3	6	0	46	8	2	24	0	0	197	4	7	28
56 Lee	0	5	4	0	0	2	73	6	5	7	7	0	0	12	0	2	0	0	0	0
57 Linn	6	0	49	47	0	1144	934	24	92	238	25	17	29	2	4	336	66	4	42	0
58 Louisa	0	6	0	3	0	0	84	0	2	0	0	0	0	0	36	5	0	0	0	0
59 Lucas	0	0	0	27	9	0	17	0	8	0	7	0	0	0	0	13	0	0	7	44
60 Lyon	0	0	0	0	0	0	12	0	23	0	43	2	2	0	0	0	0	0	0	0
61 Madison	45	0	5	0	2	14	19	11	0	0	7	4	0	21	10	0	13	0	0	34
62 Mahaska	0	0	0	3	2	17	55	23	0	0	0	11	4	0	0	32	35	0	0	5
63 Marion	2	0	0	66	0	19	48	17	0	0	14	0	0	3	0	2	15	0	4	0
64 Marshall	2	0	2	0	0	13	303	13	7	44	17	5	0	0	35	5	169	0	0	0
65 Mills	4	4	4	3	2	0	20	0	0	0	0	0	0	8	30	0	0	0	0	0
66 Mitchell	0	0	0	0	0	0	74	0	12	2	8	2	0	0	0	0	165	0	5	0
67 Monona	13	0	0	6	0	0	0	5	4	0	16	0	14	4	0	0	0	18	0	0
68 Monroe	0	0	0	111	8	0	8	8	0	0	14	0	0	0	0	0	0	0	0	0
69 Montgomery	6	106	0	49	21	0	39	8	0	0	0	3	0	71	171	5	12	0	0	5
70 Muscatine	0	2	14	0	0	9	123	0	6	12	0	2	0	0	7	321	0	0	0	10
71 O'Brien	2	0	0	52	0	0	52	24	12	0	59	5	33	0	0	0	0	51	0	0
72 Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	4
73 Page	7	46	0	0	0	0	35	7	20	0	7	0	6	5	19	3	0	0	0	2
74 Palo Alto	0	0	0	0	0	0	47	0	5	0	92	0	8	13	15	0	23	3	0	0
75 Plymouth	0	0	0	0	0	0	65	0	0	0	27	0	14	7	0	0	10	35	0	0
76 Pocahontas	0	4	0	0	0	0	63	21	32	0	168	10	101	0	2	0	20	0	0	0
77 Polk	75	16	0	159	43	107	954	552	160	27	39	25	88	107	76	73	250	19	7	229
78 Pottawattamie	18	8	0	22	55	5	52	26	20	0	51	1	28	60	180	4	17	27	1	0
79 Poweshiek	0	6	0	0	0	21	67	13	7	0	0	0	0	0	0	11	0	0	20	0
80 Ringgold	7	4	0	0	10	10	6	0	0	0	0	0	0	0	10	0	0	0	0	12
81 Sac	6	8	0	0	12	0	24	15	0	0	250	4	73	65	2	0	21	18	0	0
82 Scott	11	6	5	36	0	50	466	27	45	0	10	6	15	0	16	295	28	8	25	2
83 Shelby	0	0	0	0	75	1	63	2	0	0	86	2	0	11	54	0	0	27	0	0
84 Sioux	0	0	0	0	0	0	94	7	6	3	44	0	5	13	0	8	32	21	0	0
85 Story	18	1	25	34	14	35	409	489	29	14	45	12	59	17	21	19	87	17	7	26
86 Tama	0	0	1	0	0	230	320	8	40	28	0	4	0	6	0	6	45	4	0	0
87 Taylor	0	106	0	0	0	0	11	0	0	0	0	0	0	32	8	0	0	0	0	0
88 Union	65	34	0	0	2	1	20	0	0	2	3	0	4	48	25	0	0	6	0	107
89 Van Buren	2	3	0	7	0	0	23	0	4	0	0	0	0	0	0	2	0	0	0	4
90 Wapello	0	0	0	92	13	5	187	7	0	0	4	14	26	0	0	8	10	0	0	7
91 Warren	67	0	0	32	3	0	83	95	26	0	38	9	0	7	13	0	28	0	0	89
92 Washington	0	0	0	0	0	20	82	0	15	11	0	4	2	5	0	26	10	0	0	0
93 Wayne	0	0	0	73	0	0	11	0	0	0	0	9	0	0	17	2	8	10	0	0
94 Webster	9	12	2	0	7	8	192	127	21	0	152	6	318	0	0	9	146	19	9	17
95 Winnebago	0	0	0	0	0	7	48	0	27	0	4	21	0	0	0	0	171	0	0	0
96 Winneshiek	0	0	254	0	0	0	184	7	24	7	5	7	0	0	0	0	19	0	85	35
97 Woodbury	0	5	3	38	1	0	196	22	4	5	177	11	34	82	6	0	122	170	0	0
98 Worth	0	0	0	0	0	0	72	0	7	0	0	6	2	0	0	0	440	0	0	0
99 Wright	0	3	3	0	0	0	99	3	0	0	31	21	30	25	23	0	88	0	4	0

Table 5. 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	6	0	9	66	0	0	0	0	0	21	6	0	0	0	0	0	0	142	6
2 Adams	0	0	6	0	5	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Allamakee	0	218	29	0	0	0	0	0	15	0	37	0	64	0	0	0	0	2	0	0
4 Appanoose	0	0	0	0	49	39	15	0	8	0	5	0	4	0	0	0	0	0	0	0
5 Audubon	0	0	0	32	11	0	0	0	0	2	0	6	0	0	0	0	9	0	13	0
6 Benton	0	2	5	23	3	0	0	20	4	0	11	0	6	13	0	0	0	15	0	0
7 Black Hawk	0	45	12	29	81	0	2	120	52	16	230	3	208	73	12	2	9	528	8	34
8 Boone	25	2	9	0	208	0	14	0	0	9	10	0	6	0	5	0	133	40	40	73
9 Bremer	0	21	0	4	12	0	0	31	0	0	88	0	107	43	8	0	0	22	0	22
10 Buchanan	0	125	0	9	0	65	0	65	0	0	86	0	363	21	0	0	0	8	2	0
11 Buena Vista	217	0	0	77	35	0	12	2	0	11	13	65	3	6	2	2	14	11	15	13
12 Butler	0	2	0	0	0	0	0	31	0	0	22	6	17	183	167	0	0	125	2	6
13 Calhoun	43	14	25	30	12	0	0	0	0	4	0	8	0	0	0	0	101	4	0	40
14 Carroll	23	10	0	178	31	0	0	0	0	46	0	0	0	20	0	1	37	0	124	27
15 Cass	0	0	0	8	11	7	18	0	0	0	0	0	0	0	0	5	16	2	2	10
16 Cedar	7	12	73	0	0	0	2	1	0	0	0	0	37	0	0	0	0	0	0	0
17 Cerro Gordo	36	20	0	37	39	0	11	20	0	13	68	25	0	274	113	0	12	21	0	30
18 Cherokee	52	5	6	0	6	0	0	0	0	23	0	6	7	0	0	0	0	0	4	0
19 Chickasaw	0	6	0	5	0	0	0	5	14	0	8	0	87	329	14	0	0	5	2	0
20 Clarke	0	0	0	0	72	0	155	0	0	0	0	0	0	7	0	0	0	0	2	5
21 Clay	----	2	0	6	39	0	5	0	0	311	20	63	11	38	0	0	14	0	4	8
22 Clayton	10	----	4	0	6	0	0	266	2	8	284	7	314	0	0	0	0	37	0	22
23 Clinton	0	0	----	3	5	7	0	52	141	0	168	0	0	0	0	0	2	0	29	0
24 Crawford	8	0	5	----	28	0	0	11	4	20	40	6	0	0	2	4	8	0	2	0
25 Dallas	47	0	17	7	----	0	4	14	0	29	12	6	0	6	0	0	121	0	331	0
26 Davis	0	0	0	0	2	----	6	0	13	0	0	0	0	0	0	0	0	15	2	1
27 Decatur	0	0	0	0	11	0	----	0	10	0	0	0	6	0	0	0	0	0	0	0
28 Delaware	0	177	0	11	0	0	7	----	0	0	420	0	80	4	19	0	0	0	0	24
29 Des Moines	0	6	36	0	0	0	0	0	----	0	39	12	22	0	0	5	0	0	0	23
30 Dickinson	187	0	0	5	0	0	0	2	11	----	0	182	0	11	0	0	7	6	4	8
31 Dubuque	0	181	190	0	12	0	0	291	54	0	----	0	115	17	0	0	0	15	0	20
32 Emmet	45	0	0	0	7	0	0	0	0	155	0	----	22	0	6	0	0	0	0	16
33 Fayette	6	177	6	30	21	0	0	62	7	42	23	6	----	14	5	0	2	6	11	46
34 Floyd	0	0	8	0	27	0	0	0	0	0	19	0	28	----	86	0	0	0	2	8
35 Franklin	8	8	0	10	23	0	8	3	0	0	22	0	0	30	----	0	0	6	0	27
36 Fremont	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	----	2	0	0	0
37 Greene	0	0	0	22	103	0	0	2	0	19	6	0	0	32	43	0	----	0	105	44
38 Grundy	24	4	0	0	0	0	0	8	5	8	16	8	0	0	0	0	----	0	2	
39 Guthrie	2	0	0	0	200	0	12	0	0	6	0	5	0	0	0	0	95	0	----	0
40 Hamilton	36	0	0	0	15	0	0	9	32	9	17	35	5	13	14	2	5	6	5	----
41 Hancock	20	14	0	0	34	0	0	0	0	2	0	35	0	53	25	0	0	17	0	0
42 Hardin	0	14	0	0	28	0	0	0	16	20	34	7	53	28	157	0	0	70	8	87
43 Harrison	0	6	0	168	24	0	7	0	0	16	4	19	7	0	0	0	0	0	0	0
44 Henry	3	0	0	0	0	20	0	0	414	0	0	0	0	2	0	5	0	11	0	0
45 Howard	0	10	11	0	2	0	0	2	0	0	0	0	35	24	0	0	0	6	0	0
46 Humboldt	7	0	19	0	2	0	0	0	9	9	38	7	0	6	32	0	7	0	0	6
47 Ida	15	11	0	57	0	0	0	0	0	15	0	2	0	0	0	0	0	0	0	0
48 Iowa	0	13	25	6	18	0	0	12	7	0	0	0	12	0	15	0	0	0	0	5
49 Jackson	0	4	484	0	17	0	0	1	0	0	345	0	10	0	0	0	0	0	0	0
50 Jasper	6	0	13	6	12	0	6	0	0	0	34	4	44	2	0	0	8	0	0	5

Table 5. 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	22	0	0	0	7	2	0	0	41	0	0	0	0	0	0	0	0	3	0	0
52 Johnson	60	8	64	16	50	4	5	28	148	5	142	9	48	12	13	0	0	6	2	30
53 Jones	0	67	125	0	0	0	0	73	27	0	185	0	12	0	0	0	0	0	0	0
54 Keokuk	0	21	0	0	32	0	0	0	0	2	0	0	0	0	0	4	7	8	0	42
55 Kossuth	17	10	59	12	23	0	0	3	0	28	0	172	0	10	0	5	4	11	0	25
56 Lee	0	8	25	2	5	6	0	8	450	0	4	0	0	2	7	0	0	0	0	31
57 Linn	53	120	88	50	21	19	0	279	79	33	423	0	147	14	10	0	33	8	9	7
58 Louisa	0	0	9	0	6	0	0	0	156	0	14	0	0	43	0	0	0	0	1	0
59 Lucas	0	0	0	0	17	7	25	0	40	0	43	6	0	0	0	0	0	0	0	0
60 Lyon	0	0	0	0	7	12	0	0	0	7	0	8	12	0	0	0	0	0	0	0
61 Madison	0	0	0	0	161	0	0	0	0	0	0	0	0	0	0	2	9	0	15	3
62 Mahaska	19	0	8	12	20	5	2	0	13	0	31	0	2	0	17	5	0	0	10	0
63 Marion	0	6	15	7	35	39	11	0	6	4	16	13	4	7	0	2	12	3	43	22
64 Marshall	11	4	20	12	2	24	10	4	36	43	0	0	13	2	38	2	9	111	0	14
65 Mills	0	0	6	7	0	0	0	0	12	0	0	0	0	0	0	229	0	3	3	0
66 Mitchell	0	2	0	0	11	0	8	0	3	0	6	6	3	68	22	0	0	2	0	0
67 Monona	2	0	0	85	0	0	0	0	3	0	0	21	0	0	32	7	0	0	14	3
68 Monroe	0	0	0	0	0	0	2	2	31	0	0	0	0	0	0	0	0	7	0	0
69 Montgomery	0	2	0	36	4	0	7	0	0	0	0	0	0	0	0	2	0	0	0	22
70 Muscatine	0	7	95	0	0	0	13	0	52	0	27	0	0	25	0	0	0	0	0	8
71 O'Brien	139	0	7	10	0	0	7	7	0	102	0	0	2	0	0	5	6	0	0	0
72 Osceola	28	0	0	0	0	0	0	0	0	101	0	8	0	0	0	0	0	3	0	0
73 Page	0	0	0	0	2	0	0	0	2	11	0	0	0	0	4	140	6	0	2	0
74 Palo Alto	233	0	0	6	0	0	8	0	3	88	5	96	9	7	0	0	0	0	0	8
75 Plymouth	10	0	0	0	5	0	5	9	0	41	0	11	0	0	8	0	7	0	0	0
76 Pocahontas	13	0	0	0	8	0	0	0	0	30	8	34	48	0	0	0	0	4	0	20
77 Polk	94	16	45	78	216	32	126	2	137	49	209	1	17	26	42	13	56	37	252	223
78 Pottawattamie	8	0	56	46	25	0	9	0	0	8	14	7	0	12	0	139	29	3	15	4
79 Poweshiek	0	2	2	6	16	0	0	0	0	0	0	10	0	3	0	0	0	0	0	17
80 Ringgold	0	0	0	0	4	0	52	0	0	0	0	0	0	0	0	4	0	0	0	0
81 Sac	15	0	0	59	16	0	0	0	0	27	2	19	5	8	33	14	12	34	3	41
82 Scott	7	27	706	24	38	0	11	0	187	0	214	9	45	23	7	2	8	8	14	0
83 Shelby	9	0	0	70	17	0	6	0	0	17	10	0	0	0	0	0	2	2	24	9
84 Sioux	43	0	45	11	7	0	0	0	0	32	7	33	0	7	0	0	0	3	0	0
85 Story	42	19	52	43	105	0	27	16	31	25	74	22	44	30	25	2	43	30	23	258
86 Tama	0	12	16	12	19	0	0	0	0	0	8	9	2	0	0	0	102	7	5	
87 Taylor	6	0	0	0	40	0	3	0	0	0	0	3	0	0	0	7	0	0	2	0
88 Union	0	0	29	13	74	0	29	0	0	0	0	0	0	14	0	0	23	0	12	13
89 Van Buren	0	4	12	0	0	107	0	0	15	0	0	0	0	0	0	0	7	0	4	0
90 Wapello	9	0	55	0	33	24	4	13	35	0	29	0	2	0	0	0	3	3	2	0
91 Warren	9	0	18	9	172	5	15	0	5	3	49	0	18	0	0	0	0	0	40	14
92 Washington	0	0	16	2	0	7	0	0	23	0	14	0	5	0	22	0	0	0	0	0
93 Wayne	4	0	0	2	0	0	40	0	0	0	0	0	0	0	0	0	4	8	0	0
94 Webster	29	0	31	14	32	0	0	20	0	68	25	33	0	0	10	7	71	8	16	177
95 Winnebago	0	19	0	0	0	0	0	0	0	24	0	14	0	39	18	0	0	4	2	0
96 Winneshiek	11	62	0	0	0	0	0	4	6	23	22	0	109	21	0	0	14	4	0	0
97 Woodbury	130	9	15	106	23	0	0	0	4	156	4	72	0	16	8	0	4	12	5	7
98 Worth	0	0	0	0	0	0	4	0	0	0	6	2	0	22	0	0	0	3	0	0
99 Wright	22	0	0	0	5	0	0	0	0	3	14	16	35	14	128	0	14	2	0	172

Table 5. 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	11	0	0	0	0	0	0	3	0	0	0	7	0	15	2	0	0	0	10	20
2 Adams	0	0	0	4	0	0	0	4	0	0	0	14	0	0	0	0	0	0	33	0
3 Allamakee	0	0	0	0	0	4	0	11	0	20	0	42	0	0	0	0	78	0	7	0
4 Appanoose	4	26	0	24	0	0	0	5	36	13	3	68	0	0	0	0	15	1	28	8
5 Audubon	0	0	3	0	0	2	10	0	0	0	0	0	0	0	5	0	9	0	8	4
6 Benton	6	20	0	23	0	0	0	98	11	8	5	238	0	11	0	0	1050	0	0	0
7 Black Hawk	15	90	2	67	67	18	4	22	57	89	3	954	120	24	67	98	1144	11	30	4
8 Boone	0	35	2	22	12	0	0	7	0	55	74	116	0	0	11	16	14	8	5	6
9 Bremer	16	0	3	41	14	10	6	0	2	7	0	167	8	2	0	26	128	43	6	0
10 Buchanan	3	4	0	0	0	0	0	0	7	0	0	159	24	0	0	6	384	0	0	0
11 Buena Vista	4	15	6	0	10	66	29	0	0	17	0	52	17	1	16	0	14	0	0	0
12 Butler	19	166	0	13	12	0	0	0	0	13	0	49	14	0	0	5	32	0	0	0
13 Calhoun	35	10	0	0	0	0	4	2	1	3	0	61	7	4	11	0	0	0	0	2
14 Carroll	10	5	2	0	12	16	14	0	0	7	0	91	0	3	19	2	41	0	0	0
15 Cass	0	31	20	0	0	0	0	0	0	8	16	19	17	0	0	25	9	2	0	0
16 Cedar	0	7	0	0	0	17	0	2	0	0	0	415	95	2	0	9	188	12	26	0
17 Cerro Gordo	187	100	0	3	29	5	5	10	15	27	2	360	5	0	71	20	203	0	0	0
18 Cherokee	7	17	0	0	0	12	73	6	0	0	16	64	0	8	0	0	40	11	0	0
19 Chickasaw	26	27	0	0	153	0	0	0	0	20	0	34	0	0	21	0	73	0	0	0
20 Clarke	0	0	4	0	0	26	0	11	0	6	0	24	0	0	0	0	16	0	24	0
21 Clay	13	4	6	23	0	0	14	0	3	0	0	60	0	0	23	0	30	15	0	4
22 Clayton	11	6	34	2	0	5	0	6	2	0	0	25	31	0	10	10	241	0	0	0
23 Clinton	0	12	0	34	17	0	0	10	420	6	0	375	97	14	36	58	192	2	0	10
24 Crawford	0	0	71	6	0	28	49	4	0	26	0	83	0	0	0	6	8	0	0	0
25 Dallas	0	13	8	15	16	9	0	0	4	73	0	156	0	4	5	26	41	0	0	0
26 Davis	0	0	0	15	0	0	0	0	0	20	36	34	0	2	0	0	2	3	0	0
27 Decatur	2	5	0	7	27	0	0	0	0	4	21	70	0	1	0	0	0	0	30	0
28 Delaware	0	0	12	5	0	0	0	6	20	6	0	129	86	4	10	0	529	0	0	0
29 Des Moines	0	0	0	307	0	0	0	2	7	44	7	410	16	12	0	376	243	155	6	0
30 Dickinson	2	14	2	37	0	34	9	6	0	6	0	42	0	0	4	0	22	0	0	4
31 Dubuque	4	13	0	15	0	0	0	6	361	7	0	1002	259	5	0	50	979	0	13	0
32 Emmet	0	16	0	0	0	11	1	2	0	0	0	60	0	0	72	0	31	0	0	34
33 Fayette	25	18	0	8	21	0	0	0	0	8	0	131	0	2	0	0	259	0	0	0
34 Floyd	33	67	5	0	25	0	9	0	0	25	0	60	0	0	0	0	97	0	1	0
35 Franklin	77	154	26	0	11	20	0	4	0	46	0	39	0	2	41	0	16	2	0	0
36 Fremont	0	0	41	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	7	0
37 Greene	4	41	0	0	0	4	0	0	0	10	8	53	27	0	4	0	29	0	13	0
38 Grundy	3	139	0	0	7	2	0	6	3	15	0	64	0	11	0	0	141	0	0	0
39 Guthrie	0	8	0	0	26	4	16	0	0	26	0	14	0	4	0	2	54	0	0	0
40 Hamilton	11	125	0	16	0	11	12	2	0	1	34	15	0	0	6	0	35	0	23	3
41 Hancock	----	12	0	0	0	6	0	0	0	36	0	23	5	1	101	5	45	0	0	0
42 Hardin	8	----	0	12	9	0	7	2	0	30	0	151	11	1	6	46	61	11	0	0
43 Harrison	0	0	----	0	0	0	3	0	0	0	0	24	0	0	41	0	3	0	0	5
44 Henry	0	25	5	----	0	1	0	0	2	50	74	140	0	35	4	127	113	58	0	0
45 Howard	11	0	0	0	----	0	0	2	0	5	33	39	0	0	0	0	68	32	0	0
46 Humboldt	22	0	8	0	6	----	0	0	0	0	0	66	12	0	59	0	16	0	0	0
47 Ida	0	0	5	0	0	0	----	0	0	2	0	49	0	0	0	0	0	0	0	0
48 Iowa	0	5	0	8	0	0	0	----	0	38	0	376	58	46	2	0	298	0	11	0
49 Jackson	0	2	0	6	0	0	0	14	----	9	0	190	64	8	6	18	149	2	0	0
50 Jasper	0	14	9	0	0	0	0	2	0	----	0	186	8	7	0	5	133	0	44	0

Table 5. 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	185	0	0	0	0	0	33	----	104	0	117	0	21	89	3	0	0
52 Johnson	5	40	6	101	2	14	12	239	2	14	44	----	148	38	0	40	2211	35	5	29
53 Jones	12	14	0	24	0	0	0	8	132	19	0	157	----	13	3	39	772	0	5	6
54 Keokuk	0	0	0	21	0	11	0	121	0	2	96	70	0	----	0	6	63	7	0	0
55 Kossuth	103	20	21	0	7	103	1	4	0	41	0	65	0	0	----	0	28	0	0	7
56 Lee	2	5	0	164	0	0	0	0	0	26	19	178	56	17	0	----	159	62	6	0
57 Linn	2	44	0	110	62	5	0	293	104	105	12	2773	945	47	32	83	----	30	11	11
58 Louisa	0	32	0	80	0	15	0	9	0	0	2	108	0	5	0	12	43	----	0	0
59 Lucas	0	11	0	11	0	0	0	6	0	114	0	61	0	0	0	0	11	4	----	0
60 Lyon	0	0	2	0	0	0	2	0	0	0	0	39	0	0	15	0	6	0	0	----
61 Madison	0	17	0	0	0	0	0	0	0	39	5	21	15	2	2	0	6	0	5	0
62 Mahaska	6	44	0	23	0	0	0	47	0	110	18	117	15	102	4	23	92	0	11	0
63 Marion	5	30	8	0	19	0	0	7	2	197	0	179	0	4	0	39	116	0	107	2
64 Marshall	9	239	0	41	17	0	0	1	45	206	20	249	19	0	0	44	268	15	24	2
65 Mills	0	7	10	10	0	0	3	0	0	0	0	16	9	0	3	0	0	17	0	0
66 Mitchell	10	3	0	11	99	27	0	6	0	6	0	110	0	0	0	0	17	0	0	0
67 Monona	0	0	86	0	0	0	59	0	0	9	0	12	0	0	0	0	0	0	0	0
68 Monroe	0	6	0	17	0	0	0	0	0	15	6	18	0	6	0	4	28	0	35	2
69 Montgomery	0	0	3	0	0	0	0	0	4	48	0	58	0	2	5	0	16	0	0	0
70 Muscatine	0	7	0	55	7	0	0	23	0	23	0	483	39	17	5	25	217	380	18	0
71 O'Brien	0	14	7	0	0	2	15	0	5	5	0	47	0	0	6	0	42	5	0	70
72 Osceola	0	0	0	11	0	2	0	0	0	0	0	13	0	18	0	0	11	0	0	61
73 Page	2	7	10	0	0	11	0	0	0	6	0	48	37	0	0	5	7	0	0	0
74 Palo Alto	34	0	4	0	18	56	4	0	0	16	0	25	0	0	156	0	5	0	0	3
75 Plymouth	0	14	28	0	0	0	15	0	0	45	0	108	0	0	7	0	0	0	0	0
76 Pocahontas	40	0	0	14	0	65	0	0	6	12	0	39	0	0	2	0	48	2	0	0
77 Polk	59	86	17	244	0	38	22	27	11	745	26	2002	141	36	26	209	711	31	176	0
78 Pottawattamie	2	28	339	12	0	7	29	0	0	5	0	257	8	2	6	32	65	0	0	4
79 Poweshiek	0	18	5	4	0	0	0	144	0	292	1	166	0	26	0	0	129	0	0	5
80 Ringgold	0	10	0	0	0	0	0	19	15	11	0	9	0	16	0	0	5	8	7	0
81 Sac	4	0	14	0	0	9	69	0	0	12	0	61	0	0	0	0	0	22	6	0
82 Scott	7	7	0	89	0	0	0	6	39	30	0	1269	78	11	0	56	488	46	6	0
83 Shelby	9	7	26	14	4	9	0	0	0	5	0	82	6	3	0	0	0	0	10	0
84 Sioux	2	8	0	0	0	7	9	0	0	20	0	96	0	5	4	0	31	0	0	159
85 Story	22	123	23	36	0	1	15	26	25	101	3	869	4	14	4	13	539	5	17	14
86 Tama	19	29	0	0	0	8	0	8	2	23	0	82	12	2	0	6	151	0	0	0
87 Taylor	0	4	6	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	8	0
88 Union	0	21	0	14	0	0	0	8	0	24	0	35	7	0	7	0	42	0	0	0
89 Van Buren	0	0	0	79	0	0	0	9	0	0	146	154	0	13	0	130	33	18	0	0
90 Wapello	22	47	29	172	0	7	0	2	12	123	112	240	35	224	61	31	202	18	28	0
91 Warren	29	7	6	8	0	0	0	0	0	47	29	159	0	5	0	40	38	0	43	0
92 Washington	0	7	3	109	6	0	0	44	0	0	119	828	0	121	0	0	170	80	11	0
93 Wayne	4	6	0	12	0	0	2	0	0	10	5	57	0	14	0	3	0	0	66	0
94 Webster	30	2	7	5	0	180	8	6	10	53	0	260	19	5	15	6	119	0	0	0
95 Winnebago	250	22	0	9	0	0	0	0	0	0	0	39	0	5	78	2	9	0	0	0
96 Winneshiek	0	14	0	23	173	11	0	0	12	6	0	115	0	0	0	8	138	4	0	2
97 Woodbury	0	0	29	27	0	8	191	0	0	10	0	395	53	0	4	3	127	0	0	43
98 Worth	16	0	0	0	0	0	0	0	0	0	17	0	7	0	4	0	11	0	0	0
99 Wright	80	14	4	0	9	90	0	6	12	0	0	26	5	0	52	0	51	0	0	0

Table 5. 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	38	0	6	6	0	0	0	0	0	0	0	0	0	0	0	3	205	56	2	0
2 Adams	0	19	9	0	20	0	0	0	119	0	0	0	16	0	0	0	77	2	0	5
3 Allamakee	0	0	0	7	8	2	0	0	0	0	0	0	0	0	0	0	52	0	0	0
4 Appanoose	18	13	39	17	0	0	0	71	0	7	0	0	26	0	0	0	232	7	0	2
5 Audubon	2	0	27	0	14	6	0	0	0	0	0	0	20	0	0	0	84	57	34	0
6 Benton	0	7	12	13	0	8	0	0	0	0	2	5	0	0	0	0	109	0	38	0
7 Black Hawk	12	16	102	194	18	45	6	0	6	48	11	0	12	29	13	10	1905	75	103	2
8 Boone	0	2	10	116	0	0	0	0	0	0	6	0	15	2	0	2	698	19	6	4
9 Bremer	4	4	31	8	0	0	5	0	19	0	10	0	0	0	0	0	211	7	12	0
10 Buchanan	0	12	10	54	0	7	0	0	0	7	11	3	0	0	35	0	89	2	11	0
11 Buena Vista	0	17	7	19	0	0	0	0	0	0	73	13	18	66	34	181	314	0	0	0
12 Butler	2	6	0	0	0	40	0	4	0	0	0	0	0	0	8	4	89	0	0	0
13 Calhoun	29	6	17	64	5	2	0	0	0	0	15	1	0	9	16	117	84	32	0	0
14 Carroll	0	7	36	27	20	0	23	17	0	29	2	0	0	4	29	6	386	69	13	0
15 Cass	2	12	12	34	27	0	0	0	91	58	0	0	27	18	12	3	190	234	3	0
16 Cedar	0	20	31	0	0	0	0	24	0	452	0	0	0	0	0	5	45	6	8	0
17 Cerro Gordo	4	27	8	38	41	55	0	0	0	0	0	0	9	18	5	11	686	54	9	0
18 Cherokee	0	0	0	0	28	4	0	0	0	0	94	25	8	3	115	2	43	13	0	0
19 Chickasaw	0	9	7	6	0	0	0	0	0	23	0	0	0	6	16	0	119	0	0	4
20 Clarke	20	0	7	0	0	0	0	0	0	0	0	0	5	0	0	0	202	2	10	10
21 Clay	0	0	6	61	23	0	0	0	23	38	168	22	0	77	9	19	136	0	24	0
22 Clayton	39	0	6	4	0	0	10	0	2	0	2	0	0	0	0	0	163	0	4	0
23 Clinton	0	20	34	24	0	0	0	0	0	88	9	0	9	5	0	0	274	0	33	7
24 Crawford	13	21	0	21	0	0	71	0	0	0	9	0	6	4	33	17	145	62	0	0
25 Dallas	156	18	32	9	17	0	0	6	0	0	5	0	0	0	0	2	2027	22	19	0
26 Davis	0	6	15	0	7	3	0	0	0	0	0	0	18	0	0	0	48	0	7	0
27 Decatur	21	0	13	15	0	0	0	0	0	0	0	0	6	0	0	0	170	0	0	80
28 Delaware	0	5	13	15	31	1	0	0	0	0	0	0	0	5	4	2	105	9	7	0
29 Des Moines	0	6	0	4	0	3	0	5	0	29	0	0	0	0	0	0	235	9	5	3
30 Dickinson	0	0	6	0	0	0	34	0	6	0	62	25	0	56	10	17	102	2	7	0
31 Dubuque	14	14	25	35	0	2	0	0	0	12	4	0	6	0	7	2	534	0	7	0
32 Emmet	0	0	0	13	38	9	0	0	0	0	20	0	0	70	23	7	74	0	0	0
33 Fayette	12	20	12	46	0	0	4	0	23	22	0	0	0	41	64	0	165	12	2	0
34 Floyd	0	0	0	0	0	189	0	0	0	0	0	0	0	9	0	6	154	0	52	0
35 Franklin	6	6	51	23	17	8	11	0	0	0	0	0	0	0	7	19	119	0	0	0
36 Fremont	2	0	0	0	85	0	0	0	19	0	0	10	267	0	0	0	70	84	0	0
37 Greene	4	0	24	84	8	15	31	0	0	0	0	0	0	18	25	27	169	8	16	0
38 Grundy	5	6	17	123	0	0	0	0	0	0	4	0	0	0	0	5	150	0	0	0
39 Guthrie	32	56	25	10	0	0	0	0	0	0	0	0	0	0	0	2	248	8	3	0
40 Hamilton	0	0	0	0	6	14	0	0	0	31	11	0	0	0	0	9	248	4	3	0
41 Hancock	2	0	71	8	0	0	0	0	0	0	0	0	0	12	0	8	148	0	0	21
42 Hardin	0	7	6	240	19	0	2	0	0	24	47	2	50	0	30	0	343	32	9	6
43 Harrison	0	4	0	36	11	0	54	0	4	0	0	0	6	0	12	0	40	370	0	0
44 Henry	0	0	66	21	0	0	0	0	0	69	0	0	14	0	25	0	151	41	0	0
45 Howard	0	0	0	0	0	60	0	0	0	0	0	0	0	11	0	0	58	0	0	4
46 Humboldt	0	0	0	4	0	0	2	0	6	0	0	0	0	27	0	69	103	68	8	8
47 Ida	10	0	0	0	0	0	17	0	0	0	22	0	0	6	17	0	6	33	0	0
48 Iowa	0	6	24	14	0	0	0	0	0	0	10	12	0	2	6	0	55	20	96	0
49 Jackson	0	44	0	8	0	0	0	5	0	15	0	0	34	0	0	9	125	2	1	3
50 Jasper	18	69	466	226	0	0	0	8	0	0	0	0	0	0	0	4	1176	26	162	0

Table 5. 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	57	44	0	0	15	0	12	0	0	0	0	22	11	0	6	44	0	15	0
52 Johnson	33	20	96	77	0	23	0	0	12	209	0	0	14	2	13	3	1357	80	150	9
53 Jones	0	5	23	33	0	2	0	0	8	0	0	0	18	7	0	0	124	0	0	0
54 Keokuk	0	186	28	20	2	0	2	0	0	0	0	0	32	3	0	0	98	0	2	0
55 Kossuth	0	0	0	0	0	54	14	0	0	0	41	0	13	64	49	14	197	0	0	0
56 Lee	0	12	11	21	0	0	0	14	0	35	0	0	11	0	0	0	451	19	0	0
57 Linn	12	13	93	113	15	33	0	18	11	107	2	0	13	37	11	2	1016	9	90	17
58 Louisa	6	19	0	0	0	2	0	0	0	416	0	0	0	0	0	0	45	0	0	11
59 Lucas	0	83	133	10	0	0	0	56	0	0	0	0	0	0	0	0	328	10	0	2
60 Lyon	0	46	7	0	7	0	0	0	0	0	39	30	0	0	25	0	32	11	0	0
61 Madison	----	2	21	0	0	0	0	0	0	0	0	0	0	0	0	0	410	2	0	2
62 Mahaska	0	----	388	54	21	0	0	15	15	0	4	0	18	2	8	0	224	7	147	6
63 Marion	21	398	----	67	0	0	0	67	7	15	0	0	12	10	0	0	634	14	40	5
64 Marshall	0	41	7	----	0	2	0	0	27	16	4	0	0	0	0	0	755	42	113	0
65 Mills	0	6	0	0	----	0	21	0	201	0	0	0	64	0	10	0	34	474	6	14
66 Mitchell	0	0	0	11	0	----	0	0	0	0	1	0	0	0	0	0	63	0	9	0
67 Monona	0	5	0	0	8	0	----	0	0	0	0	0	6	13	32	0	21	5	0	0
68 Monroe	0	51	132	0	0	0	0	----	0	0	0	0	0	0	0	0	81	0	0	0
69 Montgomery	0	0	41	2	65	0	0	0	----	0	2	0	165	9	6	11	40	113	0	5
70 Muscatine	25	2	25	0	0	0	0	0	18	----	0	0	0	0	0	3	228	14	0	5
71 O'Brien	0	0	46	0	6	15	0	0	25	35	----	51	6	40	103	24	91	4	2	0
72 Osceola	0	0	5	0	0	0	0	0	6	0	122	----	0	2	48	15	38	8	0	0
73 Page	0	0	22	0	92	0	0	0	97	0	16	0	----	4	8	0	106	65	0	11
74 Palo Alto	0	0	6	0	0	15	0	0	4	0	11	4	0	----	25	79	64	0	47	0
75 Plymouth	7	53	16	0	0	0	7	0	0	17	39	8	0	18	----	10	141	7	0	0
76 Pocahontas	29	5	0	0	0	0	0	9	0	0	9	0	0	45	6	----	179	0	2	0
77 Polk	610	162	555	295	0	0	8	73	50	38	12	17	44	24	73	40	----	311	205	67
78 Pottawattamie	0	20	10	13	565	0	33	0	128	24	0	0	73	0	7	0	362	----	22	0
79 Poweshiek	11	165	94	108	0	0	0	0	0	0	3	0	18	5	18	0	207	0	----	0
80 Ringgold	4	0	0	10	24	0	0	0	0	0	0	0	0	0	0	2	71	37	0	----
81 Sac	0	0	30	9	12	0	10	0	0	0	17	0	6	0	11	19	157	11	59	0
82 Scott	49	11	23	11	6	6	6	17	0	473	3	2	5	0	26	0	897	65	92	0
83 Shelby	4	1	0	0	5	0	10	0	14	0	0	0	27	2	8	0	257	281	0	0
84 Sioux	0	6	61	12	0	0	0	0	0	0	377	50	0	6	273	11	162	16	39	0
85 Story	20	30	140	222	19	0	4	13	40	62	5	24	35	20	7	4	2809	38	84	5
86 Tama	6	34	52	428	0	6	0	0	7	12	0	0	9	0	6	0	209	13	104	0
87 Taylor	6	6	6	0	6	0	0	0	44	0	0	0	240	53	0	0	61	13	0	73
88 Union	74	0	24	15	0	6	0	6	23	6	0	0	53	0	7	0	227	57	43	49
89 Van Buren	0	6	6	0	2	0	0	7	0	0	0	0	0	0	0	0	9	0	9	0
90 Wapello	15	305	92	55	22	0	6	142	0	27	0	0	0	14	0	28	546	8	34	0
91 Warren	217	30	212	55	0	0	17	0	6	0	6	0	0	0	0	0	2696	8	0	5
92 Washington	2	43	24	11	6	0	0	0	0	48	0	0	0	0	22	3	83	9	0	0
93 Wayne	0	0	29	0	0	0	0	6	0	31	0	0	0	0	0	14	105	0	4	0
94 Webster	0	33	12	13	50	0	0	0	49	0	8	0	0	16	29	60	655	116	4	0
95 Winnebago	9	0	0	9	0	7	0	0	0	0	4	0	0	11	6	4	101	0	0	0
96 Winneshiek	5	1	0	0	0	6	0	0	0	16	0	0	0	6	0	0	114	0	5	0
97 Woodbury	0	0	10	22	43	0	561	31	0	0	92	21	21	15	980	18	652	131	32	0
98 Worth	0	0	0	2	0	112	0	0	0	0	39	0	0	0	2	0	41	0	0	0
99 Wright	0	0	6	0	11	14	0	4	0	0	2	9	0	7	26	4	118	25	30	0

Table 5. 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	8	6	38	10	12	107	0	7	54	0	20	0	0	0	6	0	0
2 Adams	2	0	2	0	29	0	87	83	0	9	0	0	0	0	0	0	0	0	0
3 Allamakee	0	32	0	2	62	0	0	0	0	0	0	0	0	0	5	207	0	0	0
4 Appanoose	0	148	0	0	38	0	0	0	0	158	54	9	124	0	0	0	30	0	0
5 Audubon	0	0	173	13	76	0	0	0	0	0	40	0	0	0	0	0	22	0	0
6 Benton	0	29	0	0	170	168	0	0	0	0	18	25	5	21	0	16	2	0	4
7 Black Hawk	9	394	7	28	962	285	3	18	3	58	86	22	11	91	45	101	162	16	26
8 Boone	2	36	0	28	676	17	0	4	0	0	114	7	5	165	0	18	19	0	6
9 Bremer	10	37	0	7	149	35	0	0	0	0	14	31	0	35	27	9	12	5	14
10 Buchanan	2	12	0	0	92	27	0	0	0	5	0	0	0	38	8	18	19	0	0
11 Buena Vista	144	36	16	81	136	3	0	15	0	0	27	0	6	52	5	10	190	0	6
12 Butler	0	0	0	55	55	58	0	0	0	0	9	0	0	24	14	0	5	22	21
13 Calhoun	126	0	0	7	153	9	0	0	0	7	34	13	0	182	0	0	49	0	8
14 Carroll	135	31	5	9	378	0	2	0	7	0	43	0	2	88	0	0	92	0	12
15 Cass	13	0	44	14	172	0	6	73	0	0	28	0	0	33	8	3	9	2	6
16 Cedar	0	361	0	8	86	2	0	0	2	29	0	22	2	0	0	0	0	0	27
17 Cerro Gordo	9	60	0	0	258	22	0	0	0	23	21	0	0	85	172	40	36	390	97
18 Cherokee	15	9	17	47	128	1	3	0	0	4	0	14	0	19	0	0	124	10	27
19 Chickasaw	0	0	0	0	107	6	0	0	0	39	13	0	0	8	6	124	22	7	2
20 Clarke	0	0	0	0	69	10	0	68	0	0	138	10	15	8	0	11	10	0	0
21 Clay	26	0	0	26	112	0	0	0	0	0	19	0	0	96	9	13	88	17	2
22 Clayton	0	53	0	0	125	0	4	0	0	0	0	6	0	2	6	44	0	0	0
23 Clinton	0	846	0	5	234	0	0	4	0	8	13	13	0	0	0	36	38	0	0
24 Crawford	94	0	124	10	125	0	0	28	0	0	54	0	0	62	3	0	118	0	0
25 Dallas	14	0	10	0	219	2	0	7	55	28	121	6	13	81	14	11	53	0	0
26 Davis	0	29	0	0	36	8	0	0	77	302	6	2	14	0	0	0	0	0	0
27 Decatur	2	37	0	0	38	4	10	31	3	5	20	0	75	3	0	0	0	0	16
28 Delaware	0	35	0	23	105	28	2	5	0	8	0	0	0	16	0	36	7	0	0
29 Des Moines	5	270	0	0	67	3	0	0	15	84	7	19	0	0	8	0	56	0	2
30 Dickinson	0	8	0	29	68	2	0	0	0	0	0	0	0	23	0	0	137	0	15
31 Dubuque	0	451	0	9	375	12	0	0	5	22	53	13	0	31	20	29	39	2	2
32 Emmet	9	0	26	45	94	0	0	0	0	9	12	0	0	8	4	2	131	4	21
33 Fayette	0	13	0	0	88	29	0	0	0	9	14	17	0	0	16	142	10	0	0
34 Floyd	0	49	0	0	106	6	0	16	0	23	18	0	2	28	59	11	7	39	11
35 Franklin	0	0	4	10	114	0	9	0	0	0	32	0	24	8	7	0	18	5	65
36 Fremont	0	0	8	0	50	0	0	0	5	0	8	0	0	0	0	9	0	0	0
37 Greene	3	0	0	5	154	0	0	0	2	0	12	0	19	63	6	0	40	0	0
38 Grundy	0	68	0	0	114	76	0	0	0	0	12	0	0	2	0	13	0	0	0
39 Guthrie	6	0	0	9	60	0	0	16	4	20	44	0	0	9	0	0	5	0	0
40 Hamilton	10	15	0	5	377	8	0	5	0	24	48	61	6	342	0	0	16	0	99
41 Hancock	1	19	0	13	114	0	4	0	0	18	0	0	0	6	229	23	14	15	174
42 Hardin	16	13	0	4	328	23	0	7	0	11	101	4	5	35	0	0	26	0	27
43 Harrison	17	5	74	2	107	0	0	0	0	0	0	0	0	0	0	0	61	0	19
44 Henry	7	116	0	11	46	4	0	0	68	40	0	119	2	53	0	2	2	0	0
45 Howard	0	11	0	0	69	0	0	0	0	2	6	0	0	9	17	155	5	0	3
46 Humboldt	0	0	0	9	189	6	0	0	0	7	5	8	0	167	15	0	12	0	79
47 Ida	144	0	27	9	75	0	0	0	0	0	0	12	2	19	0	10	165	0	0
48 Iowa	0	23	0	0	81	2	0	0	0	0	48	57	0	0	10	0	0	0	0
49 Jackson	0	169	0	0	84	6	0	0	0	23	0	8	0	0	0	25	14	0	0
50 Jasper	0	12	0	32	219	22	0	2	0	20	47	0	10	60	5	0	12	11	9

Table 5. 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	2	75	11	0	44	3	0	5	208	175	41	89	0	0	0	0	0	0	0
52 Johnson	0	963	4	17	410	4	0	12	13	95	144	699	8	40	0	110	70	4	6
53 Jones	5	89	10	0	41	6	0	0	0	5	0	0	0	0	11	21	0	0	5
54 Keokuk	0	28	0	0	37	0	0	0	3	186	6	259	0	35	0	0	0	0	0
55 Kossuth	4	30	14	17	177	0	0	0	0	0	6	0	0	67	91	18	47	5	60
56 Lee	0	187	0	0	143	9	0	0	58	42	8	22	0	46	0	13	60	0	0
57 Linn	7	412	31	15	892	88	0	7	7	62	87	75	11	51	7	93	95	4	0
58 Louisa	0	21	0	0	43	6	0	0	4	57	14	106	0	0	0	0	0	0	0
59 Lucas	2	12	0	0	58	7	11	19	0	61	132	20	62	62	0	0	0	0	0
60 Lyon	0	18	0	173	36	0	0	0	0	0	6	0	0	6	0	0	33	0	0
61 Madison	0	0	0	8	120	0	3	80	0	0	290	0	0	2	0	0	6	0	0
62 Mahaska	8	0	0	35	93	7	0	2	2	321	55	4	9	5	13	7	82	0	4
63 Marion	2	5	0	32	173	8	2	10	9	67	138	14	49	15	0	41	6	0	2
64 Marshall	8	29	0	0	571	282	0	23	0	81	49	6	0	37	8	6	25	0	29
65 Mills	4	15	15	0	31	0	9	9	0	7	0	0	0	0	0	0	15	0	0
66 Mitchell	0	0	0	0	82	0	0	9	0	4	11	0	0	9	7	31	0	88	0
67 Monona	19	0	11	23	52	0	0	4	0	0	0	8	5	0	0	0	362	0	0
68 Monroe	0	25	0	17	17	0	0	0	0	159	6	0	2	0	0	0	0	0	0
69 Montgomery	4	3	0	0	29	0	51	37	0	5	21	0	2	2	0	0	0	0	0
70 Muscatine	0	594	0	0	171	23	0	0	1	10	21	26	0	31	0	0	17	0	2
71 O'Brien	0	0	0	384	84	0	0	0	0	0	41	0	0	9	27	13	100	0	0
72 Osceola	0	0	0	82	53	4	0	0	0	0	0	0	0	0	0	8	42	0	0
73 Page	0	0	0	0	91	1	116	22	0	8	0	0	0	0	0	0	12	0	0
74 Palo Alto	0	38	38	21	130	0	0	11	0	0	0	0	0	42	20	26	25	0	3
75 Plymouth	6	8	0	138	129	4	0	0	0	0	11	0	2	9	0	3	755	0	0
76 Pocahontas	24	0	8	6	123	0	2	0	0	7	0	0	4	120	0	0	95	5	0
77 Polk	63	402	11	27	2300	67	16	138	31	164	3358	48	123	233	27	77	401	8	29
78 Pottawattamie	14	117	190	38	375	0	16	0	0	0	63	24	0	30	11	0	84	9	0
79 Poweshiek	2	8	12	0	192	118	0	3	0	33	28	33	1	0	0	0	21	0	22
80 Ringgold	14	9	0	0	43	3	90	88	0	0	0	0	3	7	0	0	8	0	0
81 Sac	----	17	2	0	128	0	3	3	0	0	0	0	0	74	0	0	78	0	12
82 Scott	17	----	0	5	689	5	4	0	3	191	73	6	32	10	35	65	23	0	0
83 Shelby	13	0	----	8	142	3	5	0	0	13	22	0	0	0	0	0	17	0	0
84 Sioux	8	10	0	----	139	0	2	0	0	0	0	0	0	0	0	4	308	0	0
85 Story	28	195	93	12	----	25	10	40	6	6	92	38	10	60	13	50	122	20	77
86 Tama	2	12	0	0	147	----	2	0	0	4	9	0	0	4	0	14	53	0	0
87 Taylor	0	0	0	0	63	0	----	64	6	0	10	0	0	0	0	0	11	0	0
88 Union	0	4	0	2	97	0	19	----	0	14	44	0	2	7	0	5	10	2	0
89 Van Buren	0	25	0	0	12	5	0	0	----	130	4	0	0	0	0	0	0	0	0
90 Wapello	0	199	0	0	117	48	0	0	101	----	39	27	11	20	2	12	0	0	1
91 Warren	42	50	7	6	347	2	2	52	0	55	----	0	9	62	0	3	8	0	0
92 Washington	0	47	0	5	116	0	0	0	0	16	10	----	5	36	5	0	23	0	7
93 Wayne	0	0	0	0	1	0	3	24	11	19	67	12	----	19	0	0	0	0	9
94 Webster	73	64	36	0	362	0	0	0	9	11	46	9	0	----	25	14	154	0	70
95 Winnebago	0	0	0	9	100	2	0	0	0	0	0	0	0	----	16	0	84	22	
96 Winneshiek	0	35	0	0	206	0	0	13	4	38	0	19	0	4	40	----	16	0	16
97 Woodbury	60	20	23	203	527	4	2	25	0	46	86	5	0	71	22	27	----	0	17
98 Worth	2	0	0	0	49	3	0	9	0	0	0	0	0	0	131	5	0	----	4
99 Wright	12	0	0	9	129	11	0	5	0	13	7	0	0	119	20	34	0	9	----

Table 6. Immigrants: 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	28	15	52	11	0	0	0	31	2	0	8	17	43	0	0
Adams	0	0	3	0	0	11	0	0	0	2	0	0	0	23	0	30	0
Allamakee	5	0	13	0	18	15	0	0	0	8	0	0	3	68	2	0	0
Appanoose	4	0	6	60	76	57	0	0	0	19	29	0	7	117	0	21	0
Audubon	0	0	12	6	35	2	0	0	0	2	0	0	0	7	1	4	0
Benton	23	0	34	76	73	42	0	0	0	39	5	8	0	98	65	23	11
Black Hawk	67	34	201	174	525	394	0	0	0	240	49	14	0	673	177	181	41
Boone	3	0	52	39	140	64	4	0	0	30	7	0	21	111	20	17	0
Bremer	0	0	11	18	114	36	0	0	0	8	29	0	32	136	41	27	0
Buchanan	4	0	25	12	54	33	0	7	0	3	21	0	0	86	18	70	2
Buena Vista	0	0	32	15	46	100	0	0	40	5	0	0	2	50	47	10	0
Butler	0	6	18	10	43	6	0	2	0	7	0	0	3	39	24	16	0
Calhoun	0	1	26	7	42	23	0	0	0	2	0	4	0	48	19	25	2
Carroll	0	1	4	6	46	51	0	0	7	12	2	0	0	18	34	18	0
Cass	0	0	29	10	23	38	2	0	0	44	5	0	0	29	0	29	15
Cedar	0	6	19	21	59	10	0	0	29	4	2	0	2	152	5	0	14
Cerro Gordo	39	0	57	16	97	128	14	2	0	74	25	1	19	260	0	100	30
Cherokee	0	2	43	23	76	1	0	0	0	12	0	0	0	14	0	39	0
Chickasaw	0	0	9	10	22	12	0	0	0	16	0	0	0	30	25	2	0
Clarke	0	0	0	8	16	0	0	0	0	0	25	13	0	9	0	26	0
Clay	0	7	35	0	70	26	2	0	0	0	11	12	0	118	16	34	0
Clayton	0	9	7	20	17	19	0	0	0	8	0	0	0	95	2	10	0
Clinton	0	10	115	78	150	184	12	2	0	69	26	0	0	1168	95	30	68
Crawford	7	0	28	4	88	88	0	0	0	22	3	0	0	9	0	112	0
Dallas	0	0	47	30	158	157	0	0	0	52	40	12	0	116	52	33	11
Davis	0	0	0	0	30	42	0	0	0	0	0	0	0	45	0	7	0
Decatur	6	0	11	6	103	44	7	0	0	17	8	0	0	61	4	68	3
Delaware	0	0	4	46	44	36	0	0	0	22	0	0	0	10	0	37	9
Des Moines	0	2	70	146	147	124	67	9	0	137	11	15	0	566	157	94	5
Dickinson	2	8	73	10	92	51	0	0	0	50	4	0	0	32	2	8	0
Dubuque	7	8	149	21	340	139	33	0	6	211	51	6	13	1785	107	109	34
Emmet	0	5	7	0	73	47	0	0	0	11	0	0	0	31	0	4	0
Fayette	0	0	6	22	89	25	0	0	0	67	10	12	0	77	20	16	0
Floyd	8	0	4	8	35	13	0	0	0	8	4	4	0	50	17	56	8
Franklin	0	0	15	9	4	21	0	0	0	12	0	0	0	17	0	7	0
Fremont	0	0	2	15	61	40	0	0	0	35	2	0	0	4	0	18	4
Greene	0	0	23	17	2	48	0	0	0	4	3	0	0	14	6	42	6
Grundy	0	0	3	0	12	17	0	0	0	12	0	10	2	19	5	4	0
Guthrie	6	1	4	13	35	43	0	0	0	8	0	0	0	15	0	48	0
Hamilton	0	0	10	5	46	32	0	0	0	6	0	8	4	21	22	3	0
Hancock	0	0	15	0	54	10	0	0	0	0	9	0	0	20	1	6	2
Hardin	0	1	37	16	46	55	0	0	0	27	0	0	0	81	40	31	0
Harrison	3	0	26	6	50	58	5	0	0	24	0	0	0	48	10	62	13
Henry	0	38	49	7	72	44	20	0	0	73	55	6	2	300	39	28	23
Howard	0	0	21	0	29	0	0	0	0	17	0	2	0	8	0	0	0
Humboldt	0	0	9	7	4	11	0	0	0	0	3	0	0	19	0	6	0
Ida	0	0	5	0	24	18	0	0	0	6	0	2	0	38	2	14	2
Iowa	0	0	28	4	4	8	0	0	0	0	0	0	3	41	8	8	0
Jackson	0	4	53	0	36	31	16	0	0	18	3	8	0	207	30	19	2
Jasper	13	0	32	3	76	88	0	0	0	35	4	4	0	62	21	74	17

*State names and abbreviations are included in Table 4.

Table 6. Immigrants: 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	6	0	11	13	248	130	35	0	94	27	9	0	16	121	51	19	17
Johnson	73	70	226	61	976	290	106	13	43	270	83	139	102	4308	212	286	23
Jones	0	0	27	2	116	22	0	0	0	70	21	0	11	91	0	12	11
Keokuk	0	0	2	5	13	17	0	0	0	15	0	0	6	25	0	8	7
Kossuth	0	0	6	19	100	16	0	0	0	14	1	0	0	9	23	0	0
Lee	28	0	66	164	93	61	0	0	0	80	7	0	0	649	10	27	6
Linn	84	107	378	149	977	683	82	24	0	355	200	32	38	1769	396	334	75
Louisa	0	0	6	29	27	14	1	0	0	10	0	0	0	155	19	11	7
Lucas	0	0	41	0	35	5	0	0	0	2	0	0	0	25	0	13	0
Lyon	0	0	16	14	40	16	2	0	0	4	5	0	0	50	0	16	0
Madison	0	12	49	23	145	9	2	0	0	15	0	17	0	16	64	19	9
Mahaska	4	0	61	34	58	43	0	0	0	20	6	0	5	182	44	33	7
Marion	14	17	59	22	175	107	0	16	0	33	0	0	1	149	11	26	0
Marshall	0	0	81	12	124	94	0	0	0	42	11	2	0	226	42	37	0
Mills	0	6	65	6	67	25	0	0	0	21	2	0	27	21	13	7	9
Mitchell	0	0	12	0	80	16	0	7	0	3	2	0	0	12	21	17	0
Monona	0	0	4	0	23	48	0	0	0	6	0	0	0	5	0	19	11
Monroe	0	0	16	10	58	5	0	0	0	2	6	0	0	18	0	0	0
Montgomery	0	15	26	3	51	116	0	0	0	25	0	0	0	40	0	79	0
Muscatine	15	0	160	23	133	99	14	0	0	48	35	9	5	711	28	78	34
O'Brien	7	10	30	0	30	44	0	0	0	15	0	0	4	5	0	0	0
Osceola	0	0	16	0	39	57	0	0	0	0	0	0	0	15	2	10	0
Page	6	0	0	2	47	58	0	0	7	83	17	4	0	31	10	35	6
Palo Alto	0	0	25	0	26	13	0	0	0	5	0	4	0	54	0	11	0
Plymouth	15	0	22	0	43	56	0	0	0	25	16	0	0	16	2	7	0
Pocahontas	0	4	45	0	41	10	10	0	0	23	3	0	0	18	0	4	0
Polk	186	108	947	278	1935	1211	100	7	63	509	271	160	56	4149	548	1109	287
Pottawattamie	44	53	109	45	297	303	0	0	0	128	32	16	96	197	15	279	19
Poweshiek	3	16	41	5	128	43	37	0	0	18	6	7	0	218	28	53	39
Ringgold	0	4	15	10	19	11	0	0	0	11	2	0	0	24	6	0	2
Sac	3	0	24	13	26	26	0	0	0	24	0	6	5	22	8	6	0
Scott	43	61	405	308	871	506	29	3	24	546	308	18	33	6333	451	413	181
Shelby	0	0	37	0	71	26	0	0	0	4	8	0	0	34	0	9	0
Sioux	0	0	56	5	167	78	2	0	5	61	37	0	6	92	38	23	0
Story	10	47	108	82	453	402	41	0	26	87	32	18	65	1875	107	141	29
Tama	0	7	35	0	76	40	0	0	0	8	23	0	0	84	4	33	14
Taylor	2	0	34	16	28	31	0	0	0	7	0	0	0	52	0	18	0
Union	0	0	11	5	106	14	0	0	0	0	0	0	0	93	6	14	0
Van Buren	0	0	18	12	50	16	0	0	0	4	6	0	15	70	16	10	0
Wapello	5	0	80	39	168	74	0	0	0	57	31	13	2	212	40	50	6
Warren	0	12	33	20	79	167	0	0	0	47	10	27	6	144	79	55	2
Washington	0	11	37	8	86	36	4	0	0	11	0	57	0	130	5	17	23
Wayne	0	0	6	18	3	46	0	0	0	6	0	0	4	34	0	26	2
Webster	0	0	84	89	83	162	8	0	0	48	0	37	0	147	31	83	0
Winnebago	0	8	23	0	47	76	0	0	0	2	0	0	0	22	7	24	6
Winneshiek	0	21	20	11	56	63	0	0	0	12	18	26	0	218	33	44	0
Woodbury	0	0	283	63	750	274	17	14	0	191	37	27	56	356	161	197	77
Worth	0	0	7	0	12	0	0	0	0	0	0	0	0	8	0	12	0
Wright	0	0	0	25	37	26	5	0	4	10	3	0	22	19	46	0	26

Table 6. Immigrants: 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	5	0	3	7	6	30	0	45	11	0	0	2	0	2	8
Adams	0	0	0	0	0	9	0	48	0	55	0	0	0	0	0	0	0
Allamakee	20	0	0	0	15	180	0	0	3	15	0	0	0	0	6	0	0
Appanoose	0	0	0	6	21	0	5	212	0	37	22	0	0	0	0	0	0
Audubon	0	0	2	0	0	8	0	23	0	32	3	0	0	0	0	8	0
Benton	92	15	9	0	0	41	15	21	0	19	5	7	0	0	9	0	3
Black Hawk	113	6	22	37	188	666	73	185	35	223	0	0	59	53	121	45	41
Boone	8	0	0	0	2	41	0	135	4	70	11	0	6	9	6	18	26
Bremer	0	0	0	22	57	242	5	31	5	7	3	0	8	14	20	62	3
Buchanan	0	3	14	0	0	65	0	43	0	10	0	0	9	0	0	12	0
Buena Vista	0	0	0	14	14	219	31	159	2	144	0	6	4	2	0	6	0
Butler	0	0	8	0	5	41	0	19	8	20	0	8	0	0	3	2	0
Calhoun	6	0	0	5	2	24	0	6	6	46	11	7	5	0	1	0	4
Carroll	10	19	0	0	40	81	6	23	6	172	3	0	0	0	6	9	0
Cass	0	0	29	0	19	35	0	70	2	166	4	0	0	0	5	9	14
Cedar	2	0	0	2	24	13	8	60	16	10	0	0	0	7	3	0	2
Cerro Gordo	13	0	0	0	65	516	0	90	8	50	14	0	59	27	32	0	20
Cherokee	37	0	0	0	0	68	0	4	0	68	0	0	0	56	0	0	0
Chickasaw	23	0	0	0	25	25	0	24	0	10	0	0	0	0	0	0	0
Clarke	0	0	0	0	0	6	0	57	0	20	0	0	0	16	0	4	0
Clay	0	0	1	28	22	210	0	4	0	132	16	6	3	27	6	0	73
Clayton	0	0	3	0	10	34	0	14	11	42	4	0	0	0	0	0	2
Clinton	60	0	0	32	83	62	13	157	0	77	0	0	0	0	13	53	19
Crawford	0	0	0	0	7	16	0	60	0	142	15	0	5	0	9	0	12
Dallas	7	5	6	0	2	126	0	146	0	105	17	0	0	5	61	13	8
Davis	0	0	0	0	0	0	0	168	0	14	0	0	0	13	0	10	0
Decatur	0	0	0	2	40	31	0	289	8	54	6	0	17	6	14	6	0
Delaware	16	0	0	20	0	50	2	20	0	7	0	0	0	0	0	0	0
Des Moines	11	13	0	19	90	29	73	320	299	131	7	0	7	0	143	39	0
Dickinson	20	2	7	0	8	275	2	2	0	117	4	13	4	19	0	8	18
Dubuque	42	7	33	34	83	406	5	107	26	196	46	0	66	11	108	65	28
Emmet	0	0	2	0	0	211	0	26	0	31	0	0	0	18	0	0	31
Fayette	2	0	6	9	14	122	0	51	0	21	0	0	26	6	11	29	6
Floyd	0	9	0	0	11	94	6	36	0	11	0	0	4	0	0	9	0
Franklin	17	0	0	0	0	55	0	70	0	0	0	0	0	0	0	0	2
Fremont	7	0	7	0	16	0	0	76	0	244	0	0	0	0	0	0	0
Greene	0	0	0	0	12	9	0	43	0	30	0	0	0	0	0	11	6
Grundy	8	0	0	0	33	28	0	7	3	36	0	0	0	0	0	0	25
Guthrie	0	0	4	0	0	47	7	21	4	53	9	0	0	0	1	0	0
Hamilton	0	0	0	0	41	44	2	93	0	53	44	0	4	2	0	5	2
Hancock	0	0	0	0	4	35	0	14	9	36	0	0	0	2	0	3	0
Hardin	0	0	0	2	0	147	5	62	9	43	0	0	11	0	22	0	4
Harrison	33	0	0	0	7	51	1	23	3	630	4	0	0	0	0	8	0
Henry	0	3	0	0	67	29	50	185	28	26	56	0	5	0	7	7	0
Howard	25	0	0	0	0	181	0	15	0	8	0	0	0	0	0	0	8
Humboldt	0	0	0	0	0	63	0	18	5	65	0	0	0	0	0	0	1
Ida	0	0	0	0	6	14	0	15	0	66	0	0	0	0	0	2	7
Iowa	0	18	9	0	5	9	0	44	4	31	6	5	0	6	0	1	4
Jackson	10	0	0	0	0	26	0	29	0	6	0	0	3	0	2	30	0
Jasper	8	9	0	0	16	101	4	125	4	82	16	0	0	49	42	21	0

*State names and abbreviations are included in Table 4.

Table 6. Immigrants: 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	14	26	31	36	3	0	137	40	5	0	9	93	34	159	0	0
Johnson	137	12	218	213	345	871	45	603	126	443	35	24	115	118	399	170	103
Jones	45	0	0	0	26	30	9	32	0	25	0	0	24	0	0	0	0
Keokuk	2	4	0	0	2	32	0	96	0	10	0	0	0	0	13	8	2
Kossuth	5	0	0	0	2	280	0	20	32	50	0	0	2	0	15	0	24
Lee	0	0	29	0	63	34	53	486	0	29	11	0	0	0	12	8	0
Linn	51	103	34	24	240	751	79	455	50	564	16	43	8	73	173	109	298
Louisa	26	0	3	0	40	18	0	34	0	13	3	0	0	1	5	3	0
Lucas	2	0	21	0	16	28	0	22	0	22	0	0	0	13	0	0	0
Lyon	0	0	0	0	78	140	0	9	8	44	6	0	8	0	8	0	44
Madison	0	0	0	0	0	44	0	83	0	55	0	0	0	7	6	7	10
Mahaska	0	0	0	0	31	62	21	109	0	64	15	49	0	7	0	0	11
Marion	0	3	20	7	216	69	0	63	25	149	0	0	26	0	46	3	0
Marshall	5	0	0	38	61	207	7	109	17	147	2	0	0	6	37	32	5
Mills	0	0	0	0	15	2	0	175	0	627	12	0	0	22	35	0	0
Mitchell	0	0	28	0	0	151	0	7	0	13	0	2	0	0	0	0	4
Monona	0	0	7	0	0	4	0	34	0	177	0	0	0	0	0	0	0
Monroe	19	0	0	0	0	10	0	41	12	5	0	0	0	0	0	0	0
Montgomery	0	0	4	0	0	57	6	79	14	200	0	0	0	39	0	23	0
Muscatine	13	0	0	0	19	98	0	143	0	44	0	0	10	36	31	10	21
O'Brien	0	0	0	1	18	187	0	23	0	161	6	0	0	5	0	3	11
Osceola	32	0	0	1	6	183	0	0	0	0	0	0	3	0	0	0	0
Page	0	0	7	0	37	5	11	220	7	174	6	0	2	0	4	0	0
Palo Alto	0	0	0	0	0	114	3	0	0	5	0	0	0	0	16	0	0
Plymouth	5	0	0	0	4	112	0	39	0	160	3	0	12	5	0	7	0
Pocahontas	0	0	0	2	0	32	0	14	0	15	0	3	0	3	18	0	6
Polk	229	59	220	184	534	2175	150	2200	153	2141	77	55	197	181	341	373	326
Pottawattamie	51	18	6	8	97	164	27	249	0	3668	8	0	0	29	62	94	45
Poweshiek	7	0	19	28	108	83	0	193	25	151	7	4	5	15	52	0	0
Ringgold	0	0	0	0	2	2	0	96	0	8	0	0	0	3	0	1	3
Sac	0	0	1	2	4	36	0	64	0	40	0	0	0	0	3	0	17
Scott	109	53	155	59	494	426	168	607	21	191	39	64	188	141	459	228	47
Shelby	1	0	0	0	21	20	0	14	0	155	0	0	5	14	0	0	11
Sioux	0	0	0	0	164	288	0	77	34	187	0	0	21	4	14	4	34
Story	63	19	55	48	132	875	19	493	14	509	21	7	78	37	142	118	52
Tama	0	0	12	0	0	6	0	40	0	47	0	0	1	4	15	2	5
Taylor	2	10	0	2	0	0	0	126	0	71	3	0	0	9	8	0	0
Union	0	0	0	0	31	7	0	105	0	79	2	0	6	0	0	2	0
Van Buren	0	0	0	0	0	8	0	117	0	0	0	0	0	0	5	6	0
Wapello	20	31	4	0	15	58	0	336	0	61	0	4	22	29	5	60	17
Warren	11	0	9	0	41	170	10	98	27	77	39	0	0	37	14	0	2
Washington	0	0	0	0	15	41	0	57	2	40	0	0	0	0	25	0	8
Wayne	1	0	0	0	0	6	6	149	0	10	0	0	0	0	0	0	2
Webster	51	0	21	0	30	444	9	226	11	245	0	0	52	0	7	0	32
Winnebago	0	0	0	0	3	364	0	31	0	22	2	0	0	2	0	5	18
Winneshiek	11	0	0	0	10	889	0	36	7	9	0	0	20	0	15	0	57
Woodbury	206	0	77	39	109	533	61	274	161	2056	17	4	53	47	36	32	120
Worth	0	0	0	0	8	138	0	0	0	11	4	0	0	0	2	2	0
Wright	0	0	0	10	12	37	0	87	0	32	7	0	0	0	0	11	0

Table 6. Immigrants: 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	12	3	0	0	1	0	0	32	0	0	0	0	0	0	0
Adams	0	2	0	2	0	0	17	0	18	0	3	4	0	0	4	0
Allamakee	0	11	0	0	0	0	4	0	32	0	0	0	19	0	201	0
Appanoose	0	34	7	1	0	0	0	6	129	5	0	0	5	0	72	7
Audubon	3	4	0	0	0	0	2	0	21	0	0	0	0	0	6	0
Benton	0	29	0	2	0	0	0	32	117	0	0	0	19	0	14	0
Black Hawk	153	193	17	106	0	39	142	138	868	26	0	59	97	7	380	44
Boone	13	24	0	0	0	0	8	7	152	0	0	64	36	0	96	50
Bremer	0	16	0	14	0	0	7	5	223	6	0	23	10	0	78	6
Buchanan	0	13	0	3	0	6	15	4	41	0	0	17	8	0	30	2
Buena Vista	14	35	7	26	0	0	126	11	114	0	0	2	6	0	93	15
Butler	2	5	0	13	0	6	5	0	31	0	0	0	5	0	2	0
Calhoun	12	20	38	14	0	0	33	5	36	9	0	9	0	0	7	4
Carroll	8	21	5	2	0	0	4	0	66	0	0	13	12	0	43	6
Cass	21	15	34	2	0	0	20	0	47	0	0	13	0	2	0	16
Cedar	5	17	0	10	4	0	12	0	35	12	0	8	2	0	14	0
Cerro Gordo	32	51	18	15	0	0	175	0	294	1	0	22	0	0	134	5
Cherokee	0	26	0	0	0	0	65	8	19	0	0	2	9	0	43	0
Chickasaw	0	0	7	5	0	0	2	0	68	0	0	1	0	0	9	0
Clarke	6	34	0	6	0	0	42	9	9	5	0	0	0	0	13	0
Clay	0	0	35	7	0	2	148	0	93	8	0	0	34	0	5	5
Clayton	4	11	0	3	0	11	6	2	32	22	0	0	2	0	194	8
Clinton	49	67	14	39	0	23	3	53	258	34	0	48	32	48	170	9
Crawford	0	5	0	8	0	0	16	0	121	0	0	4	0	0	10	2
Dallas	62	41	0	12	0	0	16	14	140	8	0	11	19	0	138	6
Davis	0	6	0	0	0	0	0	0	95	0	0	7	0	0	5	0
Decatur	31	40	8	0	0	2	10	8	54	0	0	0	34	0	8	15
Delaware	0	39	0	0	0	0	0	0	42	0	1	0	0	0	79	0
Des Moines	89	33	17	0	0	42	24	7	183	16	0	14	55	20	14	2
Dickinson	9	9	6	0	0	10	129	2	54	0	0	0	17	0	7	6
Dubuque	99	45	49	46	0	18	43	47	247	18	0	19	52	0	1019	18
Emmet	5	19	8	4	0	0	127	0	24	0	0	0	23	0	28	0
Fayette	34	27	0	0	0	0	13	8	69	0	0	19	14	0	65	6
Floyd	8	88	0	0	0	0	2	26	95	0	0	35	17	9	50	0
Franklin	27	0	0	4	0	0	25	0	94	0	0	2	0	0	18	0
Fremont	0	7	6	0	0	0	13	0	42	0	0	4	0	0	2	31
Greene	0	22	5	0	0	0	1	5	7	0	0	8	24	0	10	6
Grundy	0	21	0	4	0	0	2	0	37	0	0	4	0	0	7	0
Guthrie	13	6	25	0	0	4	6	2	81	2	0	6	0	0	20	10
Hamilton	7	27	10	14	0	3	22	7	33	0	0	0	0	0	21	10
Hancock	8	0	0	0	0	0	78	0	32	0	0	25	33	0	29	4
Hardin	15	2	4	21	0	0	22	9	92	0	0	25	21	0	4	8
Harrison	0	8	0	3	0	2	12	7	50	20	0	0	3	6	7	12
Henry	30	73	16	0	0	0	6	8	115	0	0	11	5	3	24	2
Howard	0	25	0	0	0	0	37	0	54	4	0	0	0	0	16	0
Humboldt	2	28	0	0	0	2	14	0	33	0	0	3	7	0	18	0
Ida	0	0	0	0	0	7	24	0	31	0	0	3	0	0	4	0
Iowa	0	0	0	40	0	0	4	0	41	0	0	0	0	0	24	0
Jackson	7	11	11	0	0	0	0	12	36	19	0	0	0	0	46	6
Jasper	13	102	19	9	0	0	75	17	168	0	0	13	17	0	84	6

*State names and abbreviations are included in Table 4.

Table 6. Immigrants: 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	47	36	83	57	20	0	0	19	89	19	12	12	25	0	48	0
Johnson	339	189	93	156	26	61	153	63	616	104	0	164	168	22	569	19
Jones	4	9	5	10	0	10	17	5	67	0	0	43	15	0	48	26
Keokuk	0	2	4	5	0	0	2	0	33	15	0	0	9	2	44	8
Kossuth	15	0	8	12	0	0	21	0	70	7	0	5	0	0	51	4
Lee	69	85	10	15	0	12	9	30	330	17	0	9	31	27	48	0
Linn	268	111	34	111	16	106	179	57	978	13	73	247	132	0	627	58
Louisa	0	16	0	8	0	0	0	0	112	58	0	6	5	1	22	4
Lucas	0	0	5	0	0	0	13	0	50	0	0	0	2	0	0	0
Lyon	0	21	2	0	0	2	332	0	15	2	0	17	0	0	8	2
Madison	15	10	0	0	0	9	12	0	66	6	0	0	0	0	23	31
Mahaska	62	52	0	21	0	18	17	0	102	5	0	0	23	0	13	0
Marion	8	95	24	11	0	21	80	7	126	18	2	52	11	7	59	11
Marshall	11	31	0	31	0	30	4	9	178	12	0	0	22	0	53	42
Mills	24	10	0	18	0	0	13	13	87	30	9	0	0	0	0	2
Mitchell	0	12	0	2	0	8	11	12	7	0	0	8	31	0	32	7
Monona	0	23	0	0	0	0	56	0	11	24	0	0	6	0	0	0
Monroe	6	14	7	0	0	0	19	0	76	0	0	6	0	0	7	0
Montgomery	0	35	0	0	0	0	11	16	59	0	0	8	2	0	26	5
Muscatine	17	78	0	44	0	0	16	25	446	2	0	20	49	0	99	7
O'Brien	0	18	0	0	0	0	128	0	103	2	0	37	2	1	2	0
Osceola	0	14	0	0	0	0	77	0	23	0	0	0	0	0	12	0
Page	6	66	0	27	0	0	51	0	118	8	0	0	10	0	17	34
Palo Alto	5	65	0	0	0	0	54	23	44	10	5	49	0	0	24	0
Plymouth	4	15	2	0	0	0	232	33	80	0	0	13	39	0	7	0
Pocahontas	0	0	6	0	0	0	6	0	15	9	0	0	17	0	20	12
Polk	882	481	366	338	0	173	549	247	2198	293	0	308	243	13	1297	107
Pottawattamie	42	106	54	2	7	18	104	0	269	17	0	2	79	0	80	44
Poweshiek	37	6	17	11	26	0	35	2	99	7	0	19	24	0	51	21
Ringgold	16	18	0	0	0	0	5	0	14	0	0	0	2	0	8	8
Sac	5	4	5	2	0	0	25	0	62	2	0	7	18	0	11	0
Scott	339	254	72	310	11	102	82	144	752	147	2	236	136	44	776	15
Shelby	4	10	24	0	0	0	59	0	32	0	0	21	16	0	8	0
Sioux	8	18	18	0	0	15	430	0	61	20	6	10	163	0	113	0
Story	191	129	18	98	0	29	194	18	473	45	15	181	100	13	275	76
Tama	0	22	3	0	0	0	19	18	62	10	0	6	4	8	47	13
Taylor	0	42	3	0	0	0	6	0	20	3	0	0	0	0	2	8
Union	6	3	0	0	0	8	0	0	27	0	0	0	0	0	0	11
Van Buren	7	3	0	0	0	0	0	0	28	0	0	2	2	0	0	2
Wapello	7	108	13	18	0	24	44	65	233	9	0	7	48	0	106	28
Warren	16	11	10	23	0	7	68	0	144	17	0	24	45	0	24	0
Washington	24	16	2	0	0	3	2	32	71	9	0	15	8	0	3	13
Wayne	0	24	0	0	0	0	6	7	14	0	0	3	1	0	6	16
Webster	36	73	31	9	0	0	83	0	175	43	0	58	2	0	63	0
Winnebago	7	0	14	0	0	0	24	0	39	0	0	0	0	2	36	4
Winneshiek	4	0	0	0	0	3	46	0	20	0	0	40	8	0	317	20
Woodbury	167	256	12	10	0	57	1278	36	1023	45	33	61	103	0	224	88
Worth	2	8	0	0	0	6	9	4	29	0	0	0	8	0	31	0
Wright	0	16	6	13	0	2	51	0	48	0	0	35	31	0	47	13

Table 7. Outmigrants: 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	6	56	1	16	9	0	0	0	14	0	8	0	37	0	0	0
Adams	3	0	26	0	0	10	0	17	0	35	0	11	0	0	48	0	0
Allamakee	0	0	9	0	24	36	0	0	0	54	6	0	0	12	9	0	18
Appanoose	0	28	38	48	64	44	1	0	0	78	31	0	0	72	85	107	22
Audubon	0	0	17	14	41	24	0	0	0	33	7	0	0	32	0	23	0
Benton	0	0	204	0	190	46	44	0	0	58	51	0	27	42	35	41	15
Black Hawk	145	29	924	208	1096	677	6	21	38	934	168	46	57	1265	417	468	57
Boone	0	16	49	58	93	98	0	0	0	66	19	4	53	143	66	77	44
Bremer	0	0	75	14	112	67	7	0	13	139	13	28	0	221	0	14	0
Buchanan	0	0	139	0	97	32	0	0	0	65	14	0	11	90	47	45	15
Buena Vista	22	5	180	0	41	155	0	16	0	99	30	8	0	212	0	30	9
Butler	9	9	19	0	52	21	11	0	0	16	68	22	0	47	7	8	7
Calhoun	2	0	100	0	145	20	0	0	0	28	7	7	0	68	7	36	24
Carroll	0	0	63	15	45	15	9	0	0	36	10	0	0	123	36	56	13
Cass	0	0	49	41	33	79	0	0	0	38	0	7	0	24	5	73	19
Cedar	0	0	45	3	49	38	0	16	0	104	11	0	0	314	83	31	18
Cerro Gordo	0	26	325	86	344	206	6	0	8	266	51	24	13	302	27	146	31
Cherokee	0	0	123	0	85	35	0	0	0	111	14	0	0	26	0	36	2
Chickasaw	0	0	31	16	102	21	0	0	0	43	18	9	0	54	7	16	17
Clarke	0	2	24	12	137	0	0	0	0	20	10	0	0	15	12	5	2
Clay	6	0	186	13	168	40	29	0	0	19	0	0	0	19	5	61	0
Clayton	6	0	40	24	46	45	0	10	0	110	77	7	0	133	30	0	0
Clinton	6	16	203	67	290	168	6	6	13	316	126	14	19	1611	102	190	24
Crawford	24	6	113	0	100	88	5	0	0	31	27	26	14	108	0	28	0
Dallas	5	4	255	60	52	141	0	0	7	188	45	10	0	162	74	150	18
Davis	0	6	0	0	39	0	0	0	0	27	0	0	0	187	40	20	0
Decatur	0	5	59	51	25	22	0	0	0	16	11	0	0	6	42	138	10
Delaware	5	0	47	3	41	8	9	0	0	36	46	0	0	66	0	23	21
Des Moines	46	0	232	69	224	126	7	38	0	313	48	0	17	1360	64	56	38
Dickinson	20	0	229	0	234	70	0	11	0	143	0	5	21	63	21	16	2
Dubuque	29	15	444	23	484	292	28	0	20	354	81	0	38	1556	147	125	52
Emmet	7	0	85	18	15	171	6	0	0	0	0	0	0	35	0	24	14
Fayette	43	0	44	31	229	23	13	0	25	140	14	0	0	139	64	77	6
Floyd	7	7	63	13	44	53	0	9	0	100	74	0	0	105	57	124	2
Franklin	0	1	45	17	23	23	0	0	0	18	0	0	0	24	8	19	0
Fremont	0	0	31	13	16	30	0	0	0	43	0	0	6	14	20	74	0
Greene	0	0	31	22	55	0	13	0	0	37	0	7	0	17	4	69	22
Grundy	0	0	25	50	24	38	8	0	0	6	0	0	0	120	0	18	0
Guthrie	0	0	27	67	84	10	0	0	0	15	23	0	0	0	9	10	0
Hamilton	13	0	46	26	103	68	13	0	13	71	19	0	0	12	19	37	0
Hancock	0	0	66	21	100	81	0	0	0	21	24	0	23	36	0	23	0
Hardin	0	0	80	0	166	36	0	0	0	134	65	8	7	144	16	37	6
Harrison	0	0	7	70	121	43	0	10	0	13	2	0	98	7	14	69	2
Henry	0	0	97	66	192	71	0	0	0	70	8	0	0	156	66	15	8
Howard	0	0	29	13	0	53	0	0	0	0	19	0	0	18	6	21	0
Humboldt	0	0	135	24	21	77	10	9	0	11	0	0	0	63	5	4	2
Ida	0	8	13	0	31	26	0	0	0	0	0	0	0	1	0	14	0
Iowa	0	0	0	8	18	15	0	0	0	30	55	0	0	79	45	6	35
Jackson	0	3	75	0	41	29	15	0	0	54	42	0	2	424	5	15	0
Jasper	0	5	115	46	97	118	0	0	0	47	51	6	6	122	65	133	13

*State names and abbreviations are included in Table 4.

Table 7. Outmigrants: 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	23	30	19	141	19	17	0	17	92	0	44	0	143	6	7	0
Johnson	95	50	702	165	1841	606	175	11	116	658	237	30	65	3098	264	714	162
Jones	0	0	37	0	125	56	7	0	0	66	16	6	0	100	45	27	0
Keokuk	14	32	68	5	22	3	0	0	0	34	0	0	0	125	0	35	0
Kossuth	0	0	168	38	107	84	0	0	0	41	7	5	0	60	0	8	6
Lee	29	12	19	113	214	155	30	3	0	385	56	44	0	1015	60	182	28
Linn	108	21	1318	274	1520	590	109	5	17	1152	295	54	35	1691	296	428	190
Louisa	0	0	14	8	34	18	4	0	0	14	9	0	0	91	43	26	0
Lucas	0	0	33	26	151	15	0	5	0	65	29	0	8	21	0	23	0
Lyon	0	0	30	0	22	9	0	0	0	28	6	0	0	7	11	9	0
Madison	17	7	88	61	51	25	0	0	0	37	7	0	10	33	0	44	1
Mahaska	2	0	161	70	198	129	0	0	0	18	0	0	0	126	88	73	0
Marion	9	0	97	55	131	36	0	0	6	99	15	21	6	214	37	161	11
Marshall	5	7	170	87	132	139	6	0	9	354	37	7	8	300	135	68	53
Mills	0	0	21	98	112	27	0	0	0	23	7	0	26	24	0	42	0
Mitchell	0	6	61	0	29	13	0	0	6	20	0	0	0	47	0	12	0
Monona	13	0	37	0	89	110	0	0	0	25	2	0	36	31	0	0	2
Monroe	0	0	0	0	6	10	0	0	0	0	0	6	0	36	0	4	7
Montgomery	15	0	78	16	113	56	0	0	0	54	51	0	8	36	0	32	0
Muscatine	0	16	135	84	381	23	8	16	5	216	159	0	27	563	116	49	77
O'Brien	2	8	186	15	33	92	0	0	10	6	9	0	0	26	21	0	0
Osceola	0	0	0	51	60	19	0	0	0	41	14	0	5	7	6	23	0
Page	0	6	10	56	73	124	14	0	0	44	0	0	25	29	122	116	6
Palo Alto	0	13	34	0	53	39	0	0	0	21	16	19	0	50	13	5	0
Plymouth	3	0	150	45	114	109	0	16	0	86	0	0	2	62	73	54	0
Pocahontas	0	2	90	26	70	30	0	0	0	6	0	7	0	62	0	7	0
Polk	136	143	2501	849	3467	1499	215	39	82	1934	590	80	101	3160	642	1466	303
Pottawattamie	7	67	182	370	806	344	85	0	0	335	70	0	134	227	196	327	38
Poweshiek	0	13	45	43	179	51	19	11	88	49	0	0	0	90	87	34	22
Ringgold	0	0	0	0	0	46	0	0	0	25	6	0	0	14	0	14	0
Sac	0	0	101	0	37	0	0	0	0	37	26	0	0	17	0	41	0
Scott	103	69	1234	229	1488	685	96	5	0	1307	647	49	61	6969	654	355	257
Shelby	0	0	52	26	47	42	0	0	0	21	0	8	7	88	0	0	0
Sioux	0	3	154	0	203	165	0	0	7	93	52	12	14	178	28	66	27
Story	64	21	517	178	1330	740	143	31	35	525	243	105	45	1803	488	431	151
Tama	7	0	34	6	101	53	0	0	0	62	0	0	0	123	8	21	30
Taylor	6	0	18	0	6	0	0	0	0	28	9	0	0	0	2	2	0
Union	12	0	95	4	68	51	9	0	0	60	0	14	0	83	76	79	0
Van Buren	0	0	58	0	76	0	0	0	0	6	0	6	0	51	1	6	9
Wapello	0	13	275	75	212	91	0	12	0	130	83	6	49	509	6	159	49
Warren	37	0	60	80	138	130	13	0	0	53	45	0	0	198	58	130	48
Washington	22	0	98	35	70	17	0	0	7	85	21	7	0	191	103	39	46
Wayne	0	0	70	24	15	0	0	0	0	48	9	0	0	2	3	56	0
Webster	34	4	281	46	440	325	5	0	0	101	69	0	29	152	47	149	6
Winnebago	0	0	92	0	47	28	13	0	0	0	7	0	0	20	12	56	10
Winneshiek	2	0	99	14	167	126	23	0	0	11	29	0	0	256	44	0	0
Woodbury	14	53	850	259	960	578	14	0	9	390	71	7	55	417	191	502	60
Worth	0	14	14	0	0	7	5	0	0	7	2	0	0	9	19	3	2
Wright	9	0	78	35	100	31	0	0	0	38	13	0	8	50	8	6	5

Table 7. Outmigrants: 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	4	38	0	99	29	48	0	0	0	12	0	0	0
Adams	8	0	0	0	0	7	0	96	35	9	0	0	0	0	0	0	0
Allamakee	0	0	8	10	0	332	0	8	0	10	7	0	0	17	0	10	2
Appanoose	9	0	0	0	8	104	0	331	0	17	8	0	0	8	0	0	2
Audubon	0	0	0	0	0	37	0	104	0	67	0	0	0	0	8	3	0
Benton	0	0	33	9	15	79	0	45	0	65	0	0	0	0	24	53	0
Black Hawk	46	22	22	90	273	2244	60	1191	0	448	77	23	105	76	108	269	95
Boone	0	12	34	18	98	97	0	166	22	127	25	9	0	35	53	32	0
Bremer	0	0	47	40	22	245	0	95	15	156	11	0	0	0	7	75	0
Buchanan	0	0	43	0	28	110	0	54	1	52	0	0	14	0	6	24	0
Buena Vista	0	0	4	9	9	314	11	63	0	193	17	8	0	4	13	2	9
Butler	16	9	0	0	15	124	0	144	14	7	0	0	0	0	8	10	0
Calhoun	0	0	0	0	0	57	8	53	0	81	7	0	0	0	14	14	0
Carroll	0	0	0	16	7	99	0	98	0	233	34	0	18	25	12	18	0
Cass	0	0	0	0	63	40	0	268	2	144	0	0	0	0	15	12	55
Cedar	21	6	8	0	23	70	0	92	10	11	18	0	0	38	0	18	6
Cerro Gordo	47	0	44	15	90	1090	0	105	7	163	59	22	0	17	78	27	24
Cherokee	0	0	0	0	0	108	0	81	0	104	0	0	0	0	0	6	11
Chickasaw	6	0	0	0	6	129	0	30	0	62	0	0	0	0	0	12	0
Clarke	0	0	6	18	0	22	0	63	0	2	0	0	6	0	0	0	0
Clay	0	0	18	0	0	304	0	159	0	61	82	0	0	20	0	0	13
Clayton	7	0	0	0	0	127	0	24	0	2	0	0	0	23	41	10	10
Clinton	34	3	11	7	128	225	39	173	29	45	26	0	10	9	93	58	0
Crawford	5	0	0	0	0	43	0	259	33	570	27	0	36	0	19	30	0
Dallas	14	0	10	0	39	145	10	210	0	189	3	0	12	0	56	0	0
Davis	0	0	0	0	21	6	0	51	0	45	11	0	0	0	0	0	0
Decatur	0	0	0	6	51	61	10	271	0	31	0	0	13	0	12	0	6
Delaware	0	0	0	20	10	97	0	46	0	8	37	0	14	0	7	6	0
Des Moines	0	0	24	0	108	137	4	434	34	126	33	23	50	75	13	56	4
Dickinson	0	0	0	0	41	283	0	50	0	172	18	0	0	0	20	26	27
Dubuque	32	0	52	52	117	582	9	182	28	179	161	7	72	25	109	74	39
Emmet	0	0	0	6	58	386	0	18	33	15	0	0	0	0	17	8	11
Fayette	0	0	0	0	0	194	22	169	0	89	0	2	7	0	0	91	6
Floyd	9	0	11	0	9	314	0	30	26	29	0	0	0	10	15	4	5
Franklin	0	0	0	0	0	79	0	54	0	17	0	0	0	12	9	0	0
Fremont	0	5	0	0	0	12	0	133	0	342	2	0	0	0	0	29	8
Greene	0	0	0	0	0	73	0	82	12	63	8	0	9	0	0	0	10
Grundy	13	0	0	0	123	62	0	83	0	13	0	0	0	0	0	0	0
Guthrie	0	0	0	0	8	28	2	56	0	22	0	0	17	0	42	13	0
Hamilton	26	0	0	0	9	81	0	57	6	42	0	0	0	0	23	18	0
Hancock	0	0	0	0	5	222	18	31	0	57	0	0	0	22	10	0	52
Hardin	10	0	0	0	10	95	0	155	0	187	52	0	3	0	18	19	5
Harrison	0	9	0	0	7	28	6	52	0	589	3	0	0	0	37	28	0
Henry	6	3	0	18	6	45	10	261	3	31	9	0	0	12	74	23	0
Howard	0	4	0	10	0	374	0	26	0	10	9	0	0	0	0	44	0
Humboldt	0	0	0	0	0	92	0	36	40	57	0	0	6	0	16	26	5
Ida	0	0	0	8	7	59	0	6	0	132	0	0	0	0	0	0	0
Iowa	0	0	12	5	5	35	0	55	7	22	18	10	0	0	0	26	0
Jackson	8	0	0	7	25	54	0	101	0	27	0	0	31	0	27	0	15
Jasper	0	0	6	9	31	120	0	257	16	39	14	0	8	0	40	24	0

*State names and abbreviations are included in Table 4.

Table 7. Outmigrants: 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	7	39	44	40	25	0	213	0	13	39	0	33	0	161	0	5
Johnson	71	75	334	225	630	1382	50	818	86	456	171	40	296	86	550	350	85
Jones	9	0	0	8	14	65	0	82	0	0	0	0	0	0	23	31	0
Keokuk	7	0	10	8	0	28	0	31	0	9	8	0	0	0	0	0	0
Kossuth	0	0	0	7	8	395	7	37	0	168	24	0	13	0	2	29	18
Lee	28	5	13	0	30	71	21	784	26	40	20	0	45	0	29	39	8
Linn	15	14	272	145	300	1213	56	1005	13	387	189	32	81	81	122	158	30
Louisa	0	0	0	0	12	36	0	36	0	35	0	0	0	11	0	6	0
Lucas	0	0	0	31	0	29	0	107	6	65	12	0	0	0	0	0	0
Lyon	0	0	0	0	39	236	0	11	27	29	0	0	0	0	0	0	7
Madison	0	0	17	0	6	38	0	63	7	54	0	0	0	0	0	14	0
Mahaska	0	0	0	17	36	75	6	261	0	80	14	0	7	3	26	34	0
Marion	0	0	16	9	75	235	9	331	6	28	0	0	27	4	52	70	0
Marshall	0	22	16	8	206	359	0	472	68	187	6	0	0	15	18	4	26
Mills	0	0	0	0	2	7	7	118	28	493	23	0	0	0	0	7	0
Mitchell	0	0	0	0	12	330	0	5	0	10	0	14	0	0	0	14	0
Monona	5	0	0	0	9	7	8	57	0	196	13	0	0	17	3	0	0
Monroe	0	0	0	0	4	6	0	98	0	32	0	9	0	15	0	28	0
Montgomery	0	0	0	0	35	31	5	137	61	406	0	0	0	0	6	16	10
Muscatine	9	0	11	7	60	157	11	245	0	64	24	2	11	22	29	60	0
O'Brien	0	0	0	11	12	259	6	81	22	105	65	0	11	8	2	6	0
Osceola	6	0	0	0	0	233	0	60	0	44	0	0	0	0	2	0	0
Page	0	0	0	0	8	32	0	355	0	377	25	8	0	11	15	51	0
Palo Alto	0	0	3	0	0	143	0	6	13	83	0	0	0	9	0	0	13
Plymouth	0	0	0	0	52	149	0	89	7	417	27	0	0	0	0	6	13
Pocahontas	0	0	6	0	0	40	0	95	0	42	0	0	0	0	0	6	0
Polk	122	13	320	324	688	2672	63	3053	84	1838	392	79	239	244	604	538	60
Pottawattamie	7	18	83	40	147	196	63	773	0	4495	83	28	8	56	87	106	25
Poweshiek	0	34	7	59	39	177	0	212	15	60	0	0	15	10	45	82	0
Ringgold	0	0	0	0	0	13	0	227	0	20	0	0	0	0	0	0	0
Sac	0	0	0	11	0	67	0	37	0	51	0	0	0	0	0	8	9
Scott	124	101	194	205	575	819	220	1203	42	486	146	70	240	288	345	478	39
Shelby	4	0	0	0	0	16	0	100	0	394	33	0	0	0	2	0	0
Sioux	0	0	39	58	307	362	0	49	6	147	34	0	17	19	54	61	13
Story	146	20	183	222	388	1496	39	835	77	510	39	21	154	194	429	234	119
Tama	0	0	7	0	45	90	0	74	0	32	7	0	0	0	47	0	0
Taylor	0	0	0	0	0	5	0	143	11	134	0	0	0	0	0	0	0
Union	0	0	0	0	21	36	13	271	0	106	9	0	0	0	7	12	11
Van Buren	16	0	0	0	6	7	8	154	0	10	6	0	14	7	17	0	11
Wapello	0	5	10	0	99	241	10	398	29	246	84	0	0	7	58	41	6
Warren	15	0	0	20	62	131	0	369	15	162	16	0	19	33	14	8	7
Washington	0	0	0	37	14	33	0	134	14	24	0	0	0	14	9	0	0
Wayne	7	0	0	19	6	12	0	251	0	40	0	0	0	0	0	0	0
Webster	7	0	9	0	71	336	15	405	0	268	96	17	41	18	23	175	30
Winnebago	0	6	0	0	2	440	0	23	0	4	0	0	4	0	0	0	0
Winneshiek	0	0	11	0	28	727	0	67	0	7	0	0	7	9	15	65	31
Woodbury	132	43	23	61	122	1055	32	637	22	2613	107	22	49	182	94	67	129
Worth	0	0	0	0	0	262	0	7	0	0	0	0	0	68	0	0	6
Wright	0	0	0	0	36	125	0	81	4	96	0	0	0	0	31	0	0

Table 7. Outmigrants: 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	2	0	0	0	0	0	0	0	19	0	0	0	7	0	9	0
Adams	11	0	17	0	0	0	0	0	14	0	0	6	15	0	2	8
Allamakee	0	0	7	3	0	6	2	0	13	0	0	0	0	0	284	0
Appanoose	17	60	52	18	0	5	0	5	115	7	2	88	14	0	9	0
Audubon	6	0	0	7	0	0	0	0	10	0	0	7	12	0	31	0
Benton	9	20	0	34	0	13	15	72	83	16	0	64	56	0	27	0
Black Hawk	225	189	68	43	0	42	119	184	960	93	0	297	196	17	923	34
Boone	14	17	8	18	0	0	51	13	52	4	0	41	51	3	97	0
Bremer	46	6	25	0	0	14	61	34	102	0	0	22	69	0	232	25
Buchanan	0	6	0	0	9	0	11	23	49	0	0	10	0	0	202	4
Buena Vista	71	24	29	26	0	0	117	23	125	10	0	9	37	0	29	0
Butler	2	11	0	30	0	0	19	6	58	0	0	16	8	0	14	0
Calhoun	35	23	18	12	0	7	32	0	3	2	0	0	4	0	0	8
Carroll	0	7	13	0	0	7	5	0	84	2	0	18	13	0	66	28
Cass	6	21	0	0	0	0	17	54	112	0	0	19	0	0	17	0
Cedar	60	34	8	0	0	14	0	9	107	0	0	16	42	0	59	20
Cerro Gordo	35	43	30	65	0	6	83	10	297	5	2	26	95	19	250	15
Cherokee	0	22	18	0	0	0	68	6	151	9	0	13	35	0	51	0
Chickasaw	20	14	0	36	0	14	0	6	14	23	0	0	17	0	105	7
Clarke	0	47	0	8	0	0	0	0	11	3	0	0	0	0	20	0
Clay	9	14	7	5	0	0	145	41	115	8	0	0	27	0	44	24
Clayton	15	8	8	0	0	40	7	47	96	7	0	6	12	0	453	0
Clinton	193	89	11	67	0	0	2	30	211	9	0	78	227	9	269	14
Crawford	0	0	34	0	0	0	71	0	44	0	0	55	0	0	41	0
Dallas	46	35	38	18	0	28	16	23	110	12	0	0	52	6	83	22
Davis	0	0	0	8	0	8	0	0	7	0	0	8	23	0	34	10
Decatur	0	25	0	0	0	0	0	16	93	0	0	5	32	0	66	33
Delaware	0	7	6	0	0	0	26	7	49	0	0	0	11	0	130	0
Des Moines	148	70	35	44	0	62	11	22	150	26	0	31	76	0	118	76
Dickinson	0	4	0	12	0	6	59	0	41	0	9	0	42	0	68	0
Dubuque	90	71	14	125	0	51	65	40	313	17	0	64	44	0	1183	12
Emmet	0	19	14	2	0	0	133	10	58	0	0	14	8	0	94	0
Fayette	0	7	7	27	0	0	28	34	56	0	1	8	18	0	173	9
Floyd	25	0	0	5	0	20	27	7	37	6	0	0	38	0	116	20
Franklin	16	0	0	0	0	0	5	0	24	0	0	57	0	0	30	0
Fremont	12	18	0	12	0	0	10	0	41	4	0	0	0	0	0	0
Greene	0	64	0	0	0	0	64	0	33	7	0	6	6	0	14	10
Grundy	19	12	0	0	0	0	3	6	130	0	0	0	0	0	62	0
Guthrie	33	19	0	0	0	9	0	22	68	0	0	12	3	0	10	9
Hamilton	7	77	0	9	0	11	28	0	107	0	0	7	9	0	25	0
Hancock	0	0	19	0	17	0	5	0	31	0	0	0	12	0	4	7
Hardin	19	24	17	7	0	8	10	35	143	0	0	0	45	0	60	18
Harrison	25	0	7	5	0	0	7	0	56	0	0	0	59	0	19	20
Henry	40	33	24	34	0	0	0	10	59	7	0	32	24	0	48	0
Howard	0	17	0	0	0	0	0	0	28	0	0	0	2	0	72	0
Humboldt	0	11	10	9	0	0	50	0	39	0	0	0	0	0	17	0
Ida	18	0	0	0	0	14	50	0	0	0	0	0	7	36	2	8
Iowa	0	12	6	5	34	7	10	0	26	0	6	10	4	4	53	0
Jackson	6	0	0	7	0	6	3	5	62	0	0	0	48	0	98	0
Jasper	58	22	0	4	0	0	66	97	80	16	0	0	13	5	29	0

*State names and abbreviations are included in Table 4.

Table 7. Outmigrants: 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	26	24	24	25	0	14	0	20	121	0	12	0	76	0	87	0
Johnson	563	146	130	316	95	216	122	166	1094	263	27	389	439	60	781	46
Jones	35	0	0	6	0	0	6	6	105	0	0	0	13	0	43	0
Keokuk	7	6	31	11	0	41	7	0	10	0	0	33	45	0	31	0
Kossuth	0	32	0	0	31	0	49	13	74	8	0	16	25	0	24	0
Lee	60	33	49	67	0	7	8	47	230	6	17	91	34	11	67	34
Linn	323	208	124	161	0	136	272	256	1113	24	16	268	278	8	893	65
Louisa	12	13	0	10	0	0	0	24	48	0	0	12	0	0	15	0
Lucas	54	9	0	2	0	6	2	0	5	0	0	7	0	0	29	0
Lyon	0	0	0	0	0	0	656	0	56	0	0	15	33	0	7	6
Madison	0	11	6	0	0	0	0	0	64	0	0	37	6	0	39	9
Mahaska	5	50	28	3	0	7	47	64	74	31	0	7	11	0	88	0
Marion	7	53	0	13	0	12	43	5	123	0	0	36	32	0	118	14
Marshall	28	67	0	23	0	62	25	19	491	41	0	10	40	0	144	5
Mills	0	26	10	0	0	0	0	4	23	0	0	0	43	0	36	11
Mitchell	15	6	0	0	0	0	0	0	24	0	0	7	19	0	39	0
Monona	0	15	40	0	0	0	59	23	40	23	0	0	25	0	17	15
Monroe	11	0	0	0	0	0	0	7	13	0	2	0	0	0	0	0
Montgomery	112	9	27	8	0	0	45	32	27	0	22	38	23	0	25	6
Muscatine	58	34	19	23	0	6	8	62	350	44	0	80	38	0	298	0
O'Brien	0	47	5	0	0	0	173	0	91	0	0	0	8	0	118	17
Osceola	0	0	0	0	0	0	92	0	30	0	0	0	18	0	54	0
Page	12	25	6	33	0	0	18	9	21	8	0	0	91	0	21	0
Palo Alto	43	12	3	0	0	0	126	0	102	0	0	0	4	0	46	0
Plymouth	0	57	0	16	4	0	368	8	51	0	0	0	44	0	3	16
Pocahontas	27	0	9	0	0	0	77	0	51	0	0	0	0	0	20	0
Polk	712	433	366	436	41	269	456	452	2048	184	49	572	651	40	1014	92
Pottawattamie	43	97	28	15	7	27	111	29	462	14	0	90	84	51	144	26
Poweshiek	78	12	10	23	15	0	9	0	103	6	12	26	84	0	28	0
Ringgold	0	0	0	0	0	0	3	0	0	0	8	32	0	0	7	0
Sac	3	30	27	0	0	6	41	0	121	0	0	10	22	0	18	0
Scott	583	162	78	320	7	85	65	337	1045	126	4	310	566	73	1310	62
Shelby	24	7	0	0	0	10	21	17	31	6	0	0	0	0	39	0
Sioux	31	8	10	8	0	0	489	21	89	6	0	0	95	0	36	18
Story	433	106	225	382	24	102	160	131	884	79	24	296	435	68	560	29
Tama	19	12	13	0	0	0	5	11	173	0	0	11	10	6	70	0
Taylor	16	9	5	0	0	0	5	8	22	7	0	28	0	0	6	0
Union	36	60	0	0	0	15	11	20	45	0	5	51	7	0	8	3
Van Buren	13	0	12	0	0	55	0	3	54	0	0	0	24	0	8	0
Wapello	74	26	41	23	0	26	9	17	169	0	0	46	22	16	142	0
Warren	59	23	12	7	0	0	25	47	154	0	0	2	22	0	55	10
Washington	2	17	13	57	0	24	14	0	65	0	0	40	8	0	52	0
Wayne	7	10	0	0	0	16	0	0	44	0	0	0	0	0	4	0
Webster	11	55	27	9	0	0	80	55	162	8	6	68	55	42	134	0
Winnebago	0	5	0	0	0	0	29	0	24	35	0	31	0	0	15	2
Winneshiek	37	7	7	18	0	11	4	10	26	0	0	19	34	0	226	23
Woodbury	133	243	22	42	6	88	1677	104	704	48	0	45	231	22	180	74
Worth	0	0	0	0	0	0	5	9	4	0	0	13	0	0	56	0
Wright	0	51	0	0	0	6	6	0	44	14	0	24	10	0	41	0

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.

Migration From and To Other States

Of course, moves occur across states lines as well (Tables 1, 3). More than 194,000 people living in other states in 1985 resided in Iowa counties as of 1990. 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 when 1985 and 1990 addresses were compared.

About 94,000 more left Iowa for other states than entered. All but six counties followed the trend for the state (Table 3, Figure 2). Among these six, three (Madison, Monroe, Taylor) had net gains from other states of less than 100 while three (Jefferson, Louisa, Mills) exceeded that level, topped by the 240 more entering than leaving Jefferson. 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.

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 4). 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 to each other 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), although the excess of in- versus outmigrants from these states was only 2,119, indicating that losses from Iowa were 96,491 greater than gains from the remaining states (Table 4). 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.

Migrants To Iowa From Other Countries

More than 17,000 residents of Iowa in 1990 lived in other countries 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 countries when the years of 1985 and 1990 were examined.

Detailed County-to-County Migration in Iowa

Movement from one Iowa county to another within the state occurred frequently when 1985 and 1990 data were compared. A numbered column in Table 5 includes the persons from every other Iowa

county that moved into the county represented by that number. For example, 11 persons who lived in Adams County in 1985 were in Adair (county 1) in 1990 (*column* numbered 1 down Table 5 on two pages). Similarly, seven from Audubon and 18 from Black Hawk had moved to Adair by 1990. None had moved to Adair from Allamakee, Appanoose, or Benton during that time. The only county from which at least 100 residents had moved to Adair was Guthrie, although at least 50 with 1985 residences in Cass, Polk, Union, and Warren lived in Adair in 1990. No 1985 residents of 61 counties had moved to Adair at the time of the 1990 census.

The rows in Table 5 represent the persons who moved from the county named at the beginning to the row to other Iowa counties by 1990. For example, 115 of Adair's 1985 residents (*row* numbered 1 across Table 5 on five pages) had moved to Adams (county 2) by 1990. Another 142 persons moved from Adair to Guthrie (county 39), 205 migrated to Polk (county 77), and 107 were living in Union (county 88) by 1990. Fifty-seven counties had no 1985 Adair residents move in as of 1990. When all counties are examined, exchanges tend to be greatest between contiguous counties; the exception involves large urban counties, which attract residents from relatively long distances.

Comparisons of columns and rows in Table 5 yield net migration trends. For example, Adair had 11 residents move in from Adams (column 1, row 2) but Adams had 115 enter from Adair (row 1, column 2). Thus, Adair had a net loss of 104 to Adams. To continue the examples, Adair also had a net loss of 14 to Black Hawk; 18 moved into Adair from that county (column 1, row 7) but 32 moved from Adair to Black Hawk (row 1, column 7). Adair had a net gain of 82 from Guthrie; 224 entered (column 1, row 39) and 142 left (row 1, column 39). The net was zero when Adair and a comparison county had no one moving to or from the respective county. But the net result sometimes was small even with relatively large numbers of movers for a county such as Adair. For example, 53 residents of Cass in 1985 moved to Adair by 1990 while 54 living in Adair in 1985 were residing in Cass as of 1990. That resulted in a net loss of 1 for Adair and a net gain of 1 for Cass.

Such tabulations for net migration can be done with any pair of counties. 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 residents of other counties in 1985 moved to Polk as of 1990 in all but 14 cases (column 77). Most of those 14 counties were relatively distant from Polk and generally rather small in population. Some residents of Polk in 1985 lived in other Iowa counties in 1990 (row 77); in 47 of the 98 possible comparisons, however, fewer than 50 Polk residents had moved to the other county.

When the in- and outmigrants are compared, Polk had net gains in 84 cases. Thirty-two counties had at least 100 more people move to Polk than enter from that county when 1985 and 1990 were compared. The largest net gain occurred from Black Hawk (951 more moved from Black Hawk to Polk than from Polk to Black Hawk); net gains to Polk of at least 400 occurred with Cerro Gordo, Jasper, Marshall, Scott, Story, and Webster in addition to Black Hawk. Of the 14 counties to which Polk lost more than it gained, the greatest net loss occurred to Warren (662 more moved from Polk to Warren than from Warren to Polk), Johnson (645), Madison (200), and Dallas (137). Three cases involve counties that are close to Polk; the other—Johnson—includes a large university.

Detailed Migration Between Counties and States Other Than Iowa

Iowa's counties have different patterns of residential exchange with other states. For example, Davis had immigrants from 12 states, with more coming (168) from Missouri than any other state (Table 6). Eighteen states gained residents from Davis County from 1985 to 1990, with the greatest number (187) moving to Illinois (Table 7). Worth, a county with a total number of inhabitants similar to that of Davis, received 1990 residents from 18 states, with the largest number (138) coming from Minnesota; outmigrants from Worth County went to 19 states, although more went to Minnesota (262) than any other state. Thus, the net migration between Worth County and the State of Minnesota was a loss of 124 to the county. These migration patterns can be observed for any county-state pair by exploring Tables 6 and 7.

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 (Table 6). 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 7).

Note: This information is included on the 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.

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

1980-1995

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The Iowa Department of Public Health annually records vital statistics for Iowa and its counties. Data for 1995 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 36,790 births in 1995, the lowest number of the 16 years reported here and 267 fewer than in 1994 (Table 1). That decline continued the pattern from 1990 to 1994, which followed three annual increases (Figure 1). Nearly 4,400 fewer births occurred in 1995 than 10 years earlier in 1985. A drop of 2,434 births took place between 1985 and 1986; this was the greatest decline between adjacent years.

Comparison of the most recent years indicates that 44 counties had more births in 1995 than in 1994, 54 had fewer births in the more recent year, and one had the same number both years. Increases in the number of births ranged from less than 10 in 17 counties to at least 20 in 16 others, with the greatest increases occurring in Lee, Linn, and Woodbury. Declines ranged from less than 10 in 17 counties to at least 50 in four others (Black Hawk, Delaware, Jones, Marion).

Twelve counties had more births in 1995 than in 1985, indicating that most areas of Iowa reflected the state's trend. Only three counties (Dallas, Linn, Polk) had at least 50 more births in 1995 than 10 years earlier. In two counties (Black Hawk, Scott), there were at least 200 fewer births in 1995 than in 1985. In 36 other counties, there were from 50 to 199 fewer births in 1995 than in 1985.

Deaths

The number of deaths in Iowa has fluctuated much less than the number of births (Figure 2). The 27,962 deaths in 1995 outnumbered the 27,810 counted in 1985 by 152 (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 1995 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.

Fifty-three counties had more deaths in 1995 than the previous year. The increase was less than 10 in 19 counties but at least 50 in three others (Cerro Gordo, Des Moines, Polk). Forty-three counties had fewer deaths in 1995 than in 1994; 16 had less than 10 fewer deaths in the more recent year, although Black Hawk and Warren declined by at least 50 deaths between 1994 and 1995.

The different trends for births and deaths are highlighted when 1995 data are compared with those for 1985. Births were lower in 1995 in all but 12 counties, and the drop was at least 100 in 11. For deaths, the differences are much smaller; indeed, the difference in either direction was 10 or less in 24

Table 1. Births in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	80	93	74	105	87	102	109	86	94	111	122	114	115	143	125	166
Adams	36	64	51	41	64	60	70	74	63	55	73	73	64	80	64	94
Allamakee	157	158	176	199	174	177	214	201	202	210	219	219	220	237	249	252
Appanoose	147	152	164	174	170	166	166	167	162	180	188	197	194	184	229	241
Audubon	75	88	72	70	76	91	83	82	95	89	111	135	120	119	112	151
Benton	298	292	308	304	336	318	292	286	283	295	309	328	291	307	349	414
Black Hawk	1509	1605	1774	1651	1732	1699	1687	1628	1621	1739	1947	2093	2096	2245	2332	2382
Boone	309	313	274	289	312	329	309	347	318	295	326	333	347	367	384	395
Bremer	249	243	272	259	237	242	256	233	242	267	297	306	320	367	398	417
Buchanan	283	314	277	327	302	302	336	310	325	287	367	381	393	454	448	447
Buena Vista	219	243	238	274	265	287	253	302	263	294	314	290	302	313	344	322
Butler	166	163	169	159	162	184	180	189	179	209	201	242	259	255	236	284
Calhoun	114	106	90	120	111	130	124	111	145	152	149	140	171	196	170	204
Carroll	283	269	258	271	278	320	292	312	338	361	373	384	416	384	416	436
Cass	152	150	178	169	205	192	192	190	163	204	200	255	228	254	286	241
Cedar	204	193	203	197	217	221	224	197	189	195	251	253	259	266	285	260
Cerro Gordo	591	587	592	600	621	686	657	623	625	656	725	679	709	714	720	728
Cherokee	134	157	141	158	153	200	177	169	166	211	199	207	229	231	245	238
Chickasaw	152	169	179	166	166	199	182	170	154	201	177	224	224	265	260	258
Clarke	102	82	81	105	105	106	121	112	114	109	116	104	112	136	122	126
Clay	206	219	190	235	258	239	260	222	237	243	270	260	305	357	314	347
Clayton	206	207	242	228	254	242	262	234	250	256	298	282	306	327	364	343
Clinton	657	645	680	680	685	685	674	676	689	707	753	788	775	855	882	920
Crawford	178	176	208	196	205	228	204	256	277	247	263	256	323	294	300	321
Dallas	477	440	425	422	426	409	445	384	423	391	402	454	461	428	432	466
Davis	94	127	118	107	127	128	116	115	110	124	134	128	148	137	149	149
Decatur	97	113	88	88	94	91	99	98	110	95	106	112	107	136	125	129
Delaware	213	268	262	261	271	285	264	290	284	281	320	311	341	362	331	401
Des Moines	523	524	558	568	580	568	582	560	540	518	670	650	657	670	742	767
Dickinson	137	148	127	152	163	160	158	147	175	165	177	195	178	227	199	229
Dubuque	1188	1176	1252	1168	1231	1260	1184	1192	1253	1199	1278	1362	1375	1447	1542	1584
Emmet	108	109	141	135	155	134	121	139	144	139	159	160	196	200	214	227
Fayette	271	302	255	278	295	289	279	297	263	278	298	357	362	404	380	405
Floyd	203	186	200	204	221	219	220	197	208	213	236	241	285	250	276	259
Franklin	116	133	120	126	130	124	132	136	139	148	173	193	165	176	191	195
Fremont	85	79	90	103	107	100	98	103	103	124	116	117	124	117	132	131
Greene	112	108	129	123	124	108	104	117	138	127	147	172	169	165	196	182
Grundy	98	111	141	113	136	146	138	142	121	148	143	170	187	167	182	227
Guthrie	121	126	105	155	138	122	111	117	104	115	119	156	144	149	160	179
Hamilton	193	203	193	206	220	209	213	199	198	243	199	254	235	219	259	257
Hancock	122	125	125	142	157	164	167	159	165	189	190	212	191	233	217	252
Hardin	244	218	204	192	209	213	214	224	218	233	270	283	311	324	318	348
Harrison	174	175	179	200	201	187	191	192	225	230	227	217	200	217	221	254
Henry	276	239	252	256	237	265	224	248	236	250	238	264	260	270	278	303
Howard	118	96	112	126	114	135	126	111	146	141	137	161	163	169	158	184
Humboldt	107	118	110	100	104	112	136	143	138	149	163	186	178	189	191	188
Ida	73	86	93	94	100	107	150	122	112	118	135	148	146	117	159	148
Iowa	192	212	213	196	208	213	236	178	179	215	182	216	217	216	230	229
Jackson	261	241	258	258	286	252	255	275	290	282	345	325	349	357	371	370
Jasper	416	439	423	455	471	432	461	446	438	418	472	462	440	524	506	530

Table 1. Births in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	153	172	177	185	186	192	202	208	178	218	222	224	233	209	210	217
Johnson	1258	1288	1337	1359	1358	1406	1297	1330	1285	1278	1326	1306	1254	1299	1350	1276
Jones	196	253	235	243	255	251	236	240	216	220	290	262	275	280	272	323
Keokuk	145	129	143	147	176	150	152	160	147	137	157	185	185	166	199	223
Kossuth	174	196	219	199	226	251	240	245	249	265	262	295	350	344	332	397
Lee	479	435	526	540	494	496	492	509	544	526	589	582	596	623	663	693
Linn	2597	2550	2551	2644	2632	2641	2507	2465	2373	2345	2450	2499	2479	2642	2567	2826
Louisa	174	161	184	143	148	163	149	141	167	144	145	161	172	178	201	172
Lucas	100	129	117	100	111	116	93	111	101	113	110	132	115	164	135	170
Lyon	136	165	162	180	156	178	167	183	176	160	183	194	207	214	238	236
Madison	159	160	162	155	158	158	167	161	138	140	164	154	150	158	155	197
Mahaska	291	272	277	264	300	285	316	295	296	326	318	325	339	342	331	400
Marion	363	419	391	412	364	374	398	363	405	368	439	403	434	463	439	449
Marshall	516	523	523	471	458	502	488	488	455	520	555	588	622	617	654	673
Mills	158	183	159	151	170	136	168	154	173	171	167	192	173	174	212	225
Mitchell	129	142	154	126	148	131	127	137	133	147	148	149	173	154	171	196
Monona	126	124	106	145	133	114	113	105	110	129	105	140	176	157	161	179
Monroe	89	87	119	98	111	116	96	88	107	104	109	122	120	111	135	133
Montgomery	161	160	141	165	138	158	150	148	153	136	152	179	189	183	187	205
Muscatine	629	626	642	656	676	665	682	615	560	635	632	635	709	754	732	714
O'Brien	200	174	191	199	176	184	195	173	184	206	213	235	263	274	287	279
Osceola	90	70	81	86	107	94	100	104	87	88	107	105	131	124	127	137
Page	174	181	164	166	179	200	220	209	189	183	235	204	226	237	266	270
Palo Alto	95	107	109	112	111	95	140	133	122	134	181	162	215	184	214	209
Plymouth	316	311	307	317	296	346	310	311	353	376	334	409	415	392	455	427
Pocahontas	66	84	88	99	104	124	110	135	109	121	167	150	160	150	149	160
Polk	5455	5458	5460	5560	5494	5367	5545	4998	4987	4956	5087	4909	4974	4969	5093	5087
Pottawattamie	1142	1156	1193	1261	1299	1361	1281	1295	1252	1328	1334	1379	1426	1411	1469	1468
Poweshiek	215	211	205	215	237	226	226	203	187	223	220	220	244	254	261	247
Ringgold	55	30	38	57	53	44	53	56	60	45	78	84	71	107	80	86
Sac	136	126	139	140	125	145	153	142	149	153	177	182	175	183	235	235
Scott	2251	2243	2408	2483	2409	2430	2376	2368	2292	2545	2543	2647	2641	2751	2824	2954
Shelby	156	146	163	154	156	182	163	170	172	160	171	237	211	240	189	253
Sioux	410	380	437	433	439	434	432	471	457	494	511	519	574	560	584	636
Story	856	844	785	878	900	927	874	949	933	944	1035	1039	1075	1010	1054	1055
Tama	236	236	225	226	213	215	218	207	233	227	250	260	269	285	259	289
Taylor	76	78	70	75	63	92	79	73	86	71	91	102	102	133	119	135
Union	154	119	152	149	143	148	166	143	152	167	150	165	190	192	226	212
Van Buren	76	104	108	91	98	89	93	123	103	94	107	111	111	117	136	126
Wapello	403	428	465	422	481	490	484	420	446	467	468	534	480	564	547	597
Warren	481	449	499	516	550	479	499	483	487	466	506	489	485	495	514	551
Washington	308	279	273	269	277	307	301	280	298	273	269	307	282	290	293	326
Wayne	80	78	71	74	74	83	77	89	75	75	96	94	84	93	105	123
Webster	498	525	534	566	563	597	605	589	595	574	631	631	671	733	675	760
Winnebago	134	135	121	141	138	148	165	164	152	171	162	170	172	178	162	197
Winneshiek	240	242	229	255	252	259	269	272	269	288	287	321	321	309	300	327
Woodbury	1700	1651	1651	1665	1623	1631	1496	1582	1542	1457	1652	1601	1645	1691	1809	1793
Worth	89	91	94	91	99	99	107	100	98	103	117	115	110	130	129	127
Wright	139	157	156	171	188	214	191	174	177	171	196	203	206	208	220	247
State of Iowa	36790	37057	37805	38459	38925	39330	38916	38070	37866	38748	41182	42360	43247	44716	45918	47797

Table 2. Deaths in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	111	127	122	107	111	104	101	103	124	124	103	115	113	104	110	112
Adams	75	66	61	56	63	57	70	78	55	61	54	79	66	75	67	75
Allamakee	167	167	171	179	165	198	189	170	185	191	182	167	175	163	169	189
Appanoose	190	189	200	173	197	179	175	191	197	164	221	183	169	168	196	212
Audubon	98	109	107	118	98	88	84	115	94	84	112	74	100	117	102	75
Benton	210	201	207	207	222	197	235	250	235	210	219	213	246	207	213	213
Black Hawk	1113	1239	1194	1130	1123	1142	1066	1114	1080	1034	1081	998	1112	1059	1041	1059
Boone	307	304	307	266	278	289	279	321	282	268	281	267	286	321	281	290
Bremer	235	235	266	216	214	229	211	238	235	223	207	205	188	186	213	227
Buchanan	230	204	231	202	180	185	199	204	183	190	180	211	216	218	171	192
Buena Vista	210	215	217	196	200	210	253	240	221	210	260	214	253	217	240	246
Butler	201	202	195	202	176	169	197	182	191	209	180	183	191	186	160	166
Calhoun	181	141	169	185	171	148	202	174	169	157	211	174	168	173	164	186
Carroll	219	229	229	233	217	214	202	210	229	190	216	237	244	252	240	238
Cass	213	175	180	184	213	206	225	230	198	222	243	217	213	211	189	210
Cedar	177	175	157	155	148	176	166	169	169	174	171	175	176	167	177	177
Cerro Gordo	539	489	504	490	457	481	463	474	483	470	468	518	446	477	483	467
Cherokee	141	158	158	163	166	171	170	164	177	156	184	168	172	171	172	176
Chickasaw	161	168	156	124	159	142	132	133	169	149	150	157	141	116	161	159
Clarke	106	91	106	103	113	93	109	99	93	87	111	102	96	83	101	106
Clay	213	165	182	172	185	158	182	171	189	199	169	180	165	161	171	186
Clayton	226	219	214	220	239	201	227	225	232	236	261	239	228	234	217	235
Clinton	545	531	548	518	540	559	556	577	502	555	491	546	604	539	580	534
Crawford	152	172	179	171	155	170	160	160	172	201	214	190	197	183	201	179
Dallas	300	295	274	273	278	287	274	292	304	268	270	265	267	272	259	262
Davis	119	91	107	87	103	100	99	96	89	96	108	86	120	105	118	96
Decatur	89	113	118	128	134	106	105	98	105	118	121	91	141	136	99	119
Delaware	171	149	173	181	144	171	165	160	153	178	176	184	166	186	169	182
Des Moines	468	412	428	399	474	456	493	519	438	495	520	442	422	488	405	466
Dickinson	179	184	172	149	163	160	161	179	147	145	162	169	156	172	152	135
Dubuque	846	871	854	810	841	840	853	796	782	818	801	822	802	798	847	803
Emmet	129	133	146	147	130	134	156	122	132	123	143	151	137	137	133	159
Fayette	232	255	255	242	266	257	266	275	269	287	295	277	273	288	290	260
Floyd	211	198	220	216	214	203	219	220	178	207	246	182	213	226	198	231
Franklin	142	138	145	117	130	120	136	156	157	123	141	151	131	131	135	135
Fremont	131	129	115	127	105	104	122	129	143	126	110	131	122	125	122	119
Greene	138	104	116	141	143	142	123	159	148	137	159	155	147	135	166	136
Grundy	134	122	127	89	134	117	130	148	128	136	139	112	135	147	123	138
Guthrie	147	139	145	136	133	142	147	190	165	158	152	153	166	176	149	165
Hamilton	186	154	171	183	186	177	194	199	169	173	167	171	195	200	165	162
Hancock	153	124	135	132	115	130	111	150	135	125	142	133	144	131	147	159
Hardin	225	244	243	267	239	237	231	226	243	263	244	246	230	233	262	243
Harrison	189	180	230	200	202	198	177	221	212	173	205	188	190	204	197	205
Henry	200	197	233	200	215	169	209	194	219	185	209	197	180	197	179	207
Howard	133	132	125	122	118	124	107	129	153	130	144	146	137	133	139	112
Humboldt	130	115	141	140	130	135	99	122	113	125	130	133	119	129	113	136
Ida	125	109	117	104	117	115	86	115	115	109	103	101	113	104	99	107
Iowa	176	164	172	163	155	174	152	169	196	144	162	162	168	178	150	161
Jackson	221	221	228	202	241	209	247	225	237	219	229	220	198	220	226	237
Jasper	361	381	365	356	374	298	329	361	343	343	329	335	376	310	343	341

Table 2. Deaths in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	142	137	166	160	173	153	145	160	162	169	165	171	177	168	168	154
Johnson	480	475	455	436	451	429	461	421	452	444	482	444	452	403	392	395
Jones	168	170	177	167	202	192	174	194	178	201	184	174	179	172	209	167
Keokuk	134	138	137	124	138	165	151	171	152	147	168	169	186	154	189	166
Kossuth	222	194	223	196	207	197	189	203	195	206	204	197	220	230	209	217
Lee	460	470	463	444	453	398	423	459	435	446	453	387	462	406	458	456
Linn	1358	1361	1356	1230	1274	1237	1288	1288	1269	1307	1245	1181	1287	1222	1227	1271
Louisa	122	137	147	113	100	121	103	136	107	119	101	104	109	122	119	110
Lucas	112	118	107	122	122	129	139	126	107	114	152	119	125	131	130	115
Lyon	133	123	136	116	137	115	128	96	117	137	121	120	120	105	105	134
Madison	159	145	143	164	150	156	144	156	141	156	153	143	160	128	140	126
Mahaska	224	240	223	220	224	250	243	237	230	261	267	261	248	243	244	233
Marion	327	315	308	326	303	329	315	323	276	297	287	308	293	277	297	256
Marshall	529	514	497	456	506	485	500	421	458	392	437	417	439	423	412	427
Mills	116	123	149	110	129	129	147	123	148	140	138	128	111	144	123	133
Mitchell	139	136	157	153	135	148	150	140	166	108	154	161	169	150	138	142
Monona	156	160	158	162	147	156	143	153	144	149	177	172	167	159	139	143
Monroe	111	115	96	118	109	105	137	104	112	127	113	109	125	117	139	116
Montgomery	190	145	183	156	176	181	186	178	175	177	165	195	147	173	151	152
Muscatine	368	414	380	375	391	357	377	340	383	341	379	389	360	364	359	339
O'Brien	194	204	184	192	205	190	182	200	209	159	194	198	195	215	166	198
Osceola	93	90	72	77	88	66	78	81	101	97	96	88	99	81	96	105
Page	256	215	211	224	236	230	214	235	239	238	256	234	253	243	281	223
Palo Alto	131	141	153	124	144	140	139	147	145	140	149	135	149	147	147	148
Plymouth	243	213	224	244	225	235	220	215	243	210	246	245	249	244	207	246
Pocahontas	108	135	119	127	132	121	132	160	128	114	150	145	131	176	132	169
Polk	2684	2605	2617	2466	2614	2539	2571	2604	2484	2499	2533	2427	2461	2373	2393	2456
Pottawattamie	757	790	769	731	754	746	731	829	819	747	802	800	772	752	771	786
Poweshiek	198	201	184	204	170	196	195	206	188	199	195	209	175	192	187	192
Ringgold	71	88	83	77	74	84	65	71	78	80	88	70	73	74	89	84
Sac	162	167	176	155	144	178	177	165	168	172	176	168	178	188	173	147
Scott	1302	1259	1307	1224	1171	1105	1218	1211	1217	1236	1174	1214	1234	1093	1209	1173
Shelby	170	169	147	146	153	151	161	163	147	151	155	139	161	146	158	168
Sioux	229	244	242	218	218	228	238	255	238	235	278	235	228	234	229	236
Story	425	389	420	412	453	415	405	412	411	418	425	357	396	404	361	402
Tama	219	229	222	170	216	226	209	176	198	209	232	210	201	187	234	211
Taylor	87	99	95	94	115	105	133	98	119	122	98	106	126	127	127	114
Union	169	159	163	160	165	167	156	171	175	168	167	166	181	170	174	153
Van Buren	99	102	106	97	108	87	118	134	107	116	117	83	123	109	99	119
Wapello	452	428	463	418	488	473	459	476	442	506	443	513	488	441	477	498
Warren	264	316	285	233	282	283	272	288	242	246	244	261	230	223	217	227
Washington	213	245	236	206	243	215	217	212	219	208	235	226	226	186	203	207
Wayne	107	119	101	112	102	92	96	104	107	124	138	111	129	97	142	128
Webster	490	489	483	482	489	451	459	495	490	448	473	468	486	489	489	472
Winnebago	128	137	150	158	151	138	125	150	147	119	139	151	137	134	145	133
Winneshiek	188	178	175	159	176	219	183	198	182	221	229	207	224	178	188	179
Woodbury	1021	985	982	974	918	939	956	1017	943	940	950	950	970	1013	971	984
Worth	120	102	96	94	96	115	86	120	102	108	108	103	108	100	104	93
Wright	177	198	210	173	175	178	165	187	181	185	199	189	177	196	209	208
State of Iowa	27962	27651	27951	26580	27306	26815	27147	27851	27213	27021	27810	26972	27509	26852	26930	27096

Table 3. Natural Change in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-31	-34	-48	-2	-24	-2	8	-17	-30	-13	19	-1	2	39	15	54
Adams	-39	-2	-10	-15	1	3	0	-4	8	-6	19	-6	-2	5	-3	19
Allamakee	-10	-9	5	20	9	-21	25	31	17	19	37	52	45	74	80	63
Appanoose	-43	-37	-36	1	-27	-13	-9	-24	-35	16	-33	14	25	16	33	29
Audubon	-23	-21	-35	-48	-22	3	-1	-33	1	5	-1	61	20	2	10	76
Benton	88	91	101	97	114	121	57	36	48	85	90	115	45	100	136	201
Black Hawk	396	366	580	521	609	557	621	514	541	705	866	1095	984	1186	1291	1323
Boone	2	9	-33	23	34	40	30	26	36	27	45	66	61	46	103	105
Bremer	14	8	6	43	23	13	45	-5	7	44	90	101	132	181	185	190
Buchanan	53	110	46	125	122	117	137	106	142	97	187	170	177	236	277	255
Buena Vista	9	28	21	78	65	77	0	62	42	84	54	76	49	96	104	76
Butler	-35	-39	-26	-43	-14	15	-17	7	-12	0	21	59	68	69	76	118
Calhoun	-67	-35	-79	-65	-60	-18	-78	-63	-24	-5	-62	-34	3	23	6	18
Carroll	64	40	29	38	61	106	90	102	109	171	157	147	172	132	176	198
Cass	-61	-25	-2	-15	-8	-14	-33	-40	-35	-18	-43	38	15	43	97	31
Cedar	27	18	46	42	69	45	58	28	20	21	80	78	83	99	108	83
Cerro Gordo	52	98	88	110	164	205	194	149	142	186	257	161	263	237	237	261
Cherokee	-7	-1	-17	-5	-13	29	7	5	-11	55	15	39	57	60	73	62
Chickasaw	-9	1	23	42	7	57	50	37	-15	52	27	67	83	149	99	99
Clarke	-4	-9	-25	2	-8	13	12	13	21	22	5	2	16	53	21	20
Clay	-7	54	8	63	73	81	78	51	48	44	101	80	140	196	143	161
Clayton	-20	-12	28	8	15	41	35	9	18	20	37	43	78	93	147	108
Clinton	112	114	132	162	145	126	118	99	187	152	262	242	171	316	302	386
Crawford	26	4	29	25	50	58	44	96	105	46	49	66	126	111	99	142
Dallas	177	145	151	149	148	122	171	92	119	123	132	189	194	156	173	204
Davis	-25	36	11	20	24	28	17	19	21	28	26	42	28	32	31	53
Decatur	8	0	-30	-40	-40	-15	-6	0	5	-23	-15	21	-34	0	26	10
Delaware	42	119	89	80	127	114	99	130	131	103	144	127	175	176	162	219
Des Moines	55	112	130	169	106	112	89	41	102	23	150	208	235	182	337	301
Dickinson	-42	-36	-45	3	0	0	-3	-32	28	20	15	26	22	55	47	94
Dubuque	342	305	398	358	390	420	331	396	471	381	477	540	573	649	695	781
Emmet	-21	-24	-5	-12	25	0	-35	17	12	16	16	9	59	63	81	68
Fayette	39	47	0	36	29	32	13	22	-6	-9	3	80	89	116	90	145
Floyd	-8	-12	-20	-12	7	16	1	-23	30	6	-10	59	72	24	78	28
Franklin	-26	-5	-25	9	0	4	-4	-20	-18	25	32	42	34	45	56	60
Fremont	-46	-50	-25	-2	2	-4	-24	-26	-40	-2	6	-14	2	-8	10	12
Greene	-26	4	13	-18	-19	-34	-19	-42	-10	-10	-12	17	22	30	30	46
Grundy	-36	-11	1	2	2	29	8	-6	-7	12	4	58	52	20	59	89
Guthrie	-26	-13	-40	19	5	-20	-36	-73	-61	-43	-33	3	-22	-27	11	14
Hamilton	7	49	-22	23	3	32	19	0	29	70	32	83	40	19	94	95
Hancock	-31	1	-10	10	42	34	56	9	30	64	48	79	47	102	70	93
Hardin	19	-26	-39	-75	-30	-24	-17	-2	-25	-30	26	37	81	91	56	105
Harrison	-15	-5	-51	0	-1	-11	14	-29	13	57	22	29	10	13	24	49
Henry	76	42	19	56	22	96	15	54	17	65	29	67	80	73	99	96
Howard	-15	-36	-13	4	4	11	19	-18	-7	11	-7	15	26	36	19	72
Humboldt	-23	3	-31	-40	-26	-23	37	21	25	24	33	53	59	60	78	52
Ida	-52	-23	-24	-10	-17	-8	64	7	-3	9	32	47	33	13	60	41
Iowa	16	48	41	33	53	39	84	9	-17	71	20	54	49	38	80	68
Jackson	40	20	30	56	45	43	8	50	53	63	116	105	151	137	145	133
Jasper	55	58	58	99	97	134	132	85	95	75	143	127	64	214	163	189

Table 3. Natural Change in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	11	35	11	25	13	39	57	48	16	49	57	53	56	41	42	63
Johnson	778	813	882	923	907	977	836	909	833	834	844	862	802	896	958	881
Jones	28	83	58	76	53	59	62	46	38	19	106	88	96	108	63	156
Keokuk	11	-9	6	23	38	-15	1	-11	-5	-10	-11	16	-1	12	10	57
Kossuth	-48	2	-4	3	19	54	51	42	54	59	58	98	130	114	123	180
Lee	19	-35	63	96	41	98	69	50	109	80	136	195	134	217	205	237
Linn	1239	1189	1195	1414	1358	1404	1219	1177	1104	1038	1205	1318	1192	1420	1340	1555
Louisa	52	24	37	30	48	42	46	5	60	25	44	57	63	56	82	62
Lucas	-12	11	10	-22	-11	-13	-46	-15	-6	-1	-42	13	-10	33	5	55
Lyon	3	42	26	64	19	63	39	87	59	23	62	74	87	109	133	102
Madison	0	15	19	-9	8	2	23	5	-3	-16	11	11	-10	30	15	71
Mahaska	67	32	54	44	76	35	73	58	66	65	51	64	91	99	87	167
Marion	36	104	83	86	61	45	83	40	129	71	152	95	141	186	142	193
Marshall	-13	9	26	15	-48	17	-12	67	-3	128	118	171	183	194	242	246
Mills	42	60	10	41	41	7	21	31	25	31	29	64	62	30	89	92
Mitchell	-10	6	-3	-27	13	-17	-23	-3	-33	39	-6	-12	4	4	33	54
Monona	-30	-36	-52	-17	-14	-42	-30	-48	-34	-20	-72	-32	9	-2	22	36
Monroe	-22	-28	23	-20	2	11	-41	-16	-5	-23	-4	13	-5	-6	-4	17
Montgomery	-29	15	-42	9	-38	-23	-36	-30	-22	-41	-13	-16	42	10	36	53
Muscatine	261	212	262	281	285	308	305	275	177	294	253	246	349	390	373	375
O'Brien	6	-30	7	7	-29	-6	13	-27	-25	47	19	37	68	59	121	81
Osceola	-3	-20	9	9	19	28	22	23	-14	-9	11	17	32	43	31	32
Page	-82	-34	-47	-58	-57	-30	6	-26	-50	-55	-21	-30	-27	-6	-15	47
Palo Alto	-36	-34	-44	-12	-33	-45	1	-14	-23	-6	32	27	66	37	67	61
Plymouth	73	98	83	73	71	111	90	96	110	166	88	164	166	148	248	181
Pocahontas	-42	-51	-31	-28	-28	3	-22	-25	-19	7	17	5	29	-26	17	-9
Polk	2771	2853	2843	3094	2880	2828	2974	2394	2503	2457	2554	2482	2513	2596	2700	2631
Pottawattamie	385	366	424	530	545	615	550	466	433	581	532	579	654	659	698	682
Poweshiek	17	10	21	11	67	30	31	-3	-1	24	25	11	69	62	74	55
Ringgold	-16	-58	-45	-20	-21	-40	-12	-15	-18	-35	-10	14	-2	33	-9	2
Sac	-26	-41	-37	-15	-19	-33	-24	-23	-19	-19	1	14	-3	-5	62	88
Scott	949	984	1101	1259	1238	1325	1158	1157	1075	1309	1369	1433	1407	1658	1615	1781
Shelby	-14	-23	16	8	3	31	2	7	25	9	16	98	50	94	31	85
Sioux	181	136	195	215	221	206	194	216	219	259	233	284	346	326	355	400
Story	431	455	365	466	447	512	469	537	522	526	610	682	679	606	693	653
Tama	17	7	3	56	-3	-11	9	31	35	18	18	50	68	98	25	78
Taylor	-11	-21	-25	-19	-52	-13	-54	-25	-33	-51	-7	-4	-24	6	-8	21
Union	-15	-40	-11	-11	-22	-19	10	-28	-23	-1	-17	-1	9	22	52	59
Van Buren	-23	2	2	-6	-10	2	-25	-11	-4	-22	-10	28	-12	8	37	7
Wapello	-49	0	2	4	-7	17	25	-56	4	-39	25	21	-8	123	70	99
Warren	217	133	214	283	268	196	227	195	245	220	262	228	255	272	297	324
Washington	95	34	37	63	34	92	84	68	79	65	34	81	56	104	90	119
Wayne	-27	-41	-30	-38	-28	-9	-19	-15	-32	-49	-42	-17	-45	-4	-37	-5
Webster	8	36	51	84	74	146	146	94	105	126	158	163	185	244	186	288
Winnebago	6	-2	-29	-17	-13	10	40	14	5	52	23	19	35	44	17	64
Winneshiek	52	64	54	96	76	40	86	74	87	67	58	114	97	131	112	148
Woodbury	679	666	669	691	705	692	540	565	599	517	702	651	675	678	838	809
Worth	-31	-11	-2	-3	3	-16	21	-20	-4	-5	9	12	2	30	25	34
Wright	-38	-41	-54	-2	13	36	26	-13	-4	-14	-3	14	29	12	11	39
State of Iowa	8828	9406	9854	11879	11619	12515	11769	10219	10653	11727	13372	15388	15738	17864	18988	20701

counties. An additional 10 or more deaths were reported in 1995 than in 1985 in 34 counties, but deaths decreased by 10 or more in 41 others.

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 each year during the 1980-1995 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 in 1995, when 8,828 more were born than died.

Fifty Iowa counties reported natural increases (more births than deaths) in 1995. These increases ranged from less than 50 in 24 counties to more than 100 in 14 others. Two counties (Linn, Polk) had at least 1,000 more births than deaths in 1995. Three others (Johnson, Scott, Woodbury) had natural increases of at least 500 that year.

Forty-eight counties had natural decreases (more deaths than births) in 1995 (Figure 3). Deaths outnumbered births by at least 50 in Calhoun, Cass, Ida, and Page. In 1980, only two counties (Pocahontas, Wayne) reported more deaths than births. The total of 48 counties experiencing natural decrease in 1995 was the highest of the years examined (Figure 4).

Thirty-six counties had more births than deaths every year from 1980 through 1995. 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 8 more in 1995; in Black Hawk, births outnumbered deaths by 1,323 in 1980 and 396 in 1995, a change of more than 900. Only Wayne had more deaths than births every year, although 26 others had natural decreases occurring in at least 8 of the 16 years examined. Calhoun, Monona, Page, Ringgold, Sac, and Taylor in addition to Wayne reported more deaths than births in at least 12 of the 16 years.

Concluding Comments

While the number of deaths in Iowa has changed relatively little through the 1980s and early 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 in Iowa, 1980-1995.

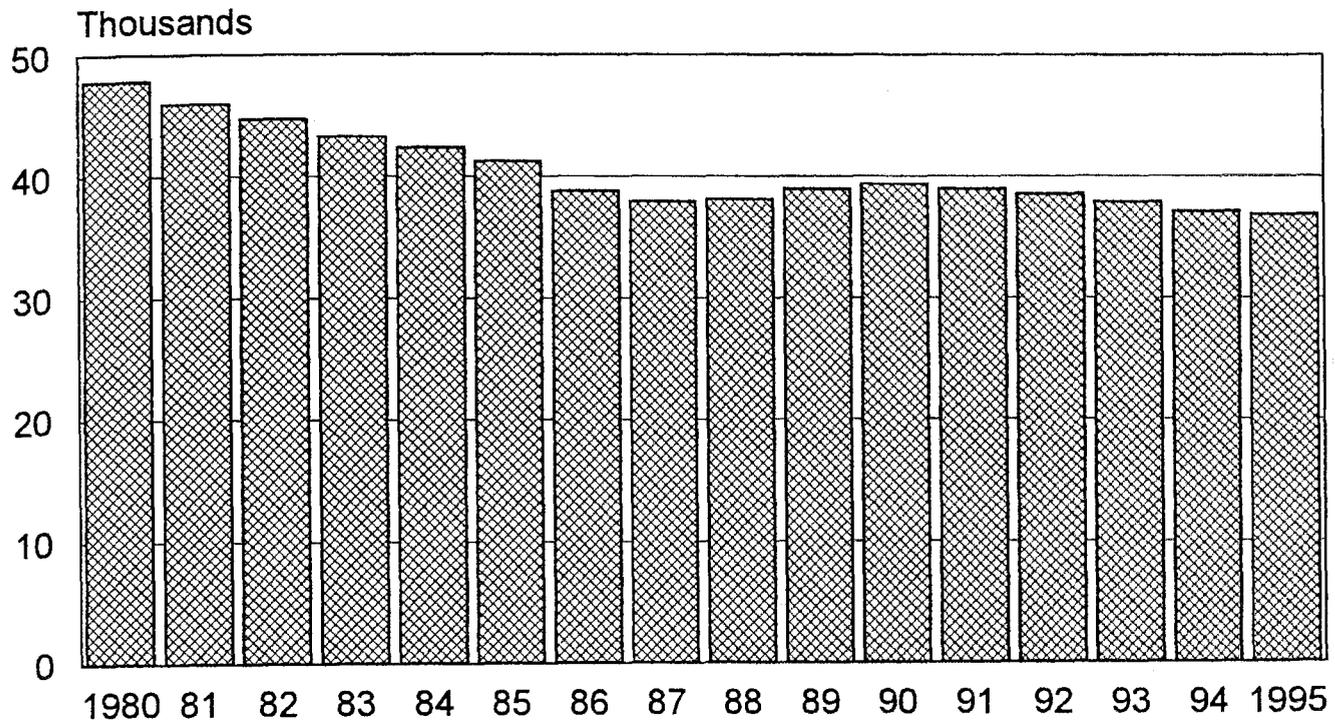


Figure 2. Deaths in Iowa, 1980-1995.

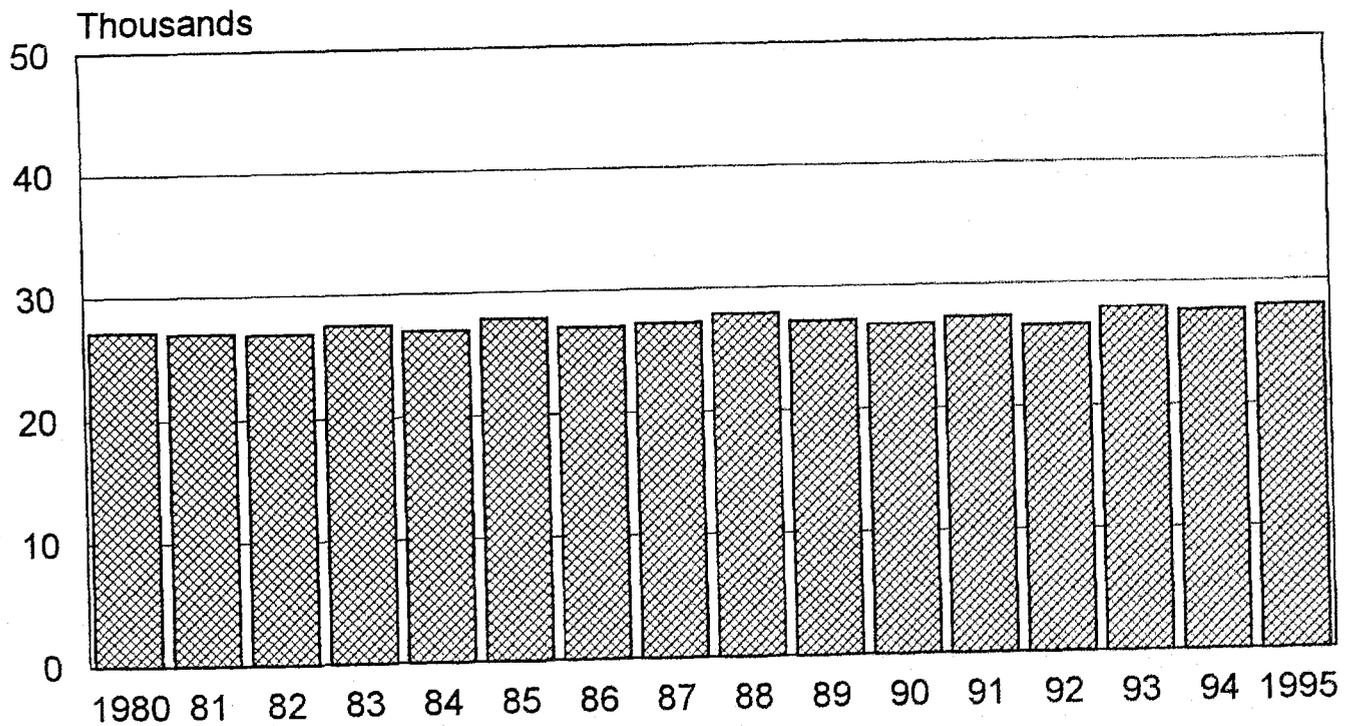


Figure 3. Natural change, 1995.

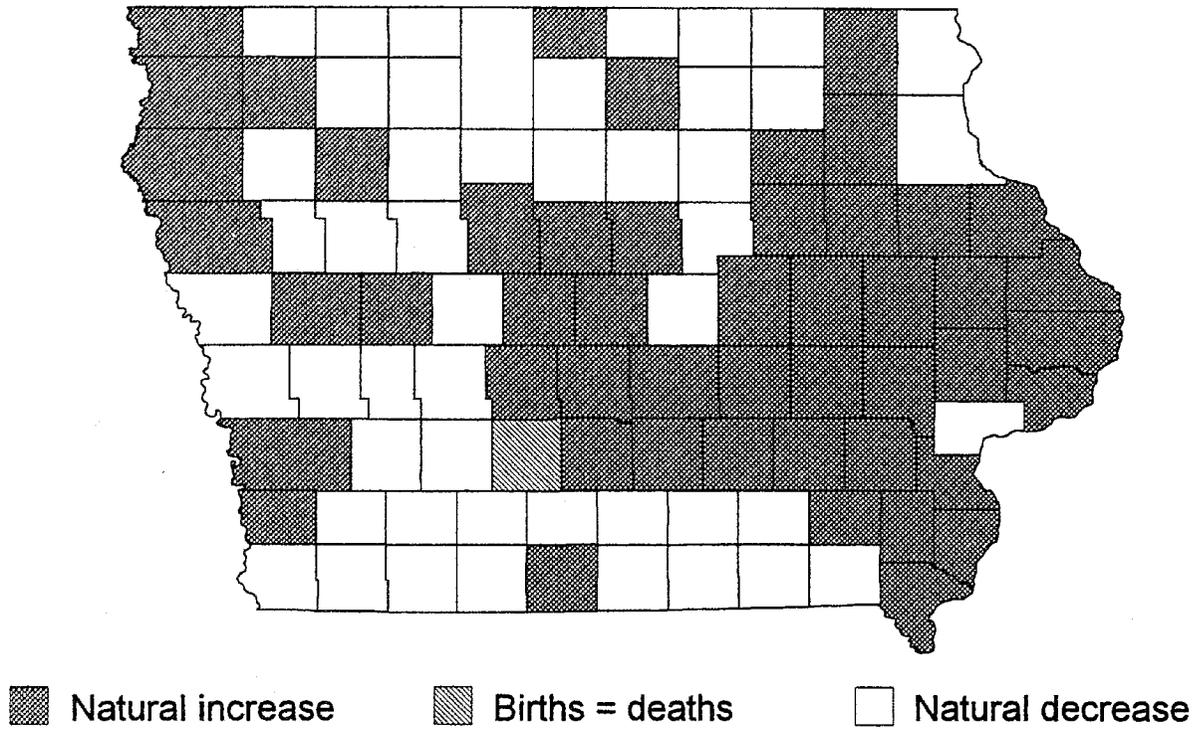
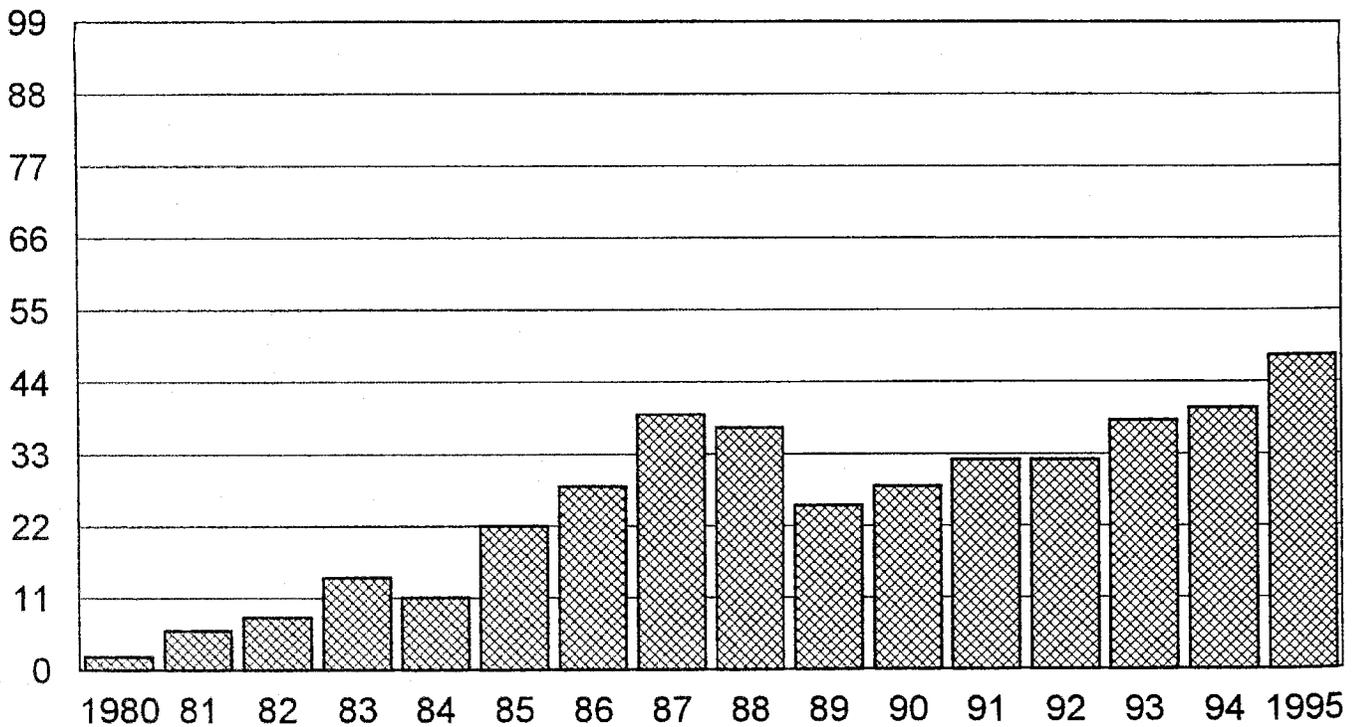


Figure 4. Number of counties with natural decrease in Iowa, 1980-1995.



Estimated Birth and Death Rates in Iowa's Counties:

1980-1995

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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 1991-1995 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 1986-1995, although the rate was up half a point from 1987 to 1990. From 1990 to 1995, however, the birth rate again declined; in the last three years, the 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 1995 figure was 9.8 deaths per 1,000 residents. Although Iowa's death rate is somewhat higher than that for the nation (1980, 8.8; 1995, 8.8), 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 1995, however, Iowa's figure of 12.9 was nearly two points below that of the United States (14.8).

County Data on Birth and Death Rates

In 1995, 22 counties had birth rates above the state figure of 12.9 (Table 1). Four counties (Muscatine, Polk, Washington, Woodbury) had rates at least two points above that for Iowa, while another five (Dallas, Henry, Linn, Louisa, Scott) had rates at least a point above the state average. Of the 76 counties with birth rates below that of the state, 32 fell at least two points under the state level and another 27 were at least one but less than two points below 12.9. Fourteen counties had fewer than 10 births for every 1,000 residents in 1995, with Pocahontas the lowest at 7.2.

Death rates in 1995 varied from less than 7.0 (Johnson, Story, Warren) to more than 16.0 (Adams, Fremont) in Iowa's counties (Table 2). Although only six counties had death rates two points or more below the state average of 9.8, 51 counties reported rates two or more points greater than that for the state. Thirteen counties had rates at least four points higher than did the state. A total of 80 counties had death rates above the state figure.

Nineteen counties had higher birth rates in 1995 than in 1985, with the gain at least one point in seven (Dallas, Henry, Louisa, Monona, Montgomery, Union, Washington). Nineteen had birth rates in 1995 that were less than a point lower than their rates for 1985, with differences of at least five points in four counties (Adams, Ida, Palo Alto, Pocahontas).

For the most part, death rates changed far less than did birth rates. Fifty-nine counties had higher death rates in 1995 than in 1985. But in only Adams and Fremont were the rates four or more points higher at the end of the period than at the beginning, with another 15 counties increasing by 2.0 to

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	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	8.0	14.1	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	11.2	11.3	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	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	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	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	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	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	10.7	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	13.3	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	10.9	12.1	11.8	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	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	9.1	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	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	10.1	9.9	11.8	11.3	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	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	12.7	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	9.9	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	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	12.5	10.1	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	11.8	12.5	10.8	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	10.9	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	12.9	12.7	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	10.8	10.7	12.6	11.8	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	14.5	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	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	11.9	14.0	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	11.6	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	12.3	12.2	13.0	13.3	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	8.7	9.6	8.3	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	13.4	13.3	14.2	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	9.7	9.7	12.4	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	12.4	13.8	11.6	12.7	13.4	13.2	12.8	13.6	12.0	12.3	12.7	14.8	14.8	16.3	15.2	15.9
Floyd	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	10.4	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	10.5	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	11.1	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	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	10.6	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	11.9	12.7	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	10.3	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	13.1	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	11.5	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	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	11.9	9.7	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	10.4	11.4	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	8.9	10.4	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	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	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	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

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	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	12.4	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	9.7	12.6	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	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	9.6	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	12.2	11.1	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	14.5	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	14.8	13.7	15.7	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	11.1	14.3	12.9	11.1	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	11.4	13.9	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	11.8	12.2	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	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	11.7	13.7	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	13.4	13.7	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	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	11.6	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
Monona	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	10.9	10.7	14.6	12.0	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	13.5	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	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	13.0	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	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	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	9.3	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	13.0	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	7.2	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	15.6	15.8	15.9	16.5	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	13.6	13.9	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	11.3	11.1	10.9	11.4	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	10.2	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	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	14.4	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	11.9	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	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	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	13.2	13.2	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	10.6	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	12.4	9.6	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	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	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	12.4	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	15.0	13.7	13.5	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	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	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	11.3	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	11.4	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	16.7	16.3	16.4	16.7	16.4	16.6	15.3	16.2	15.9	14.9	16.7	16.1	16.5	16.8	17.9	17.8
Worth	11.2	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	9.7	11.1	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	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, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	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	16.7	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	11.9	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	13.9	13.8	14.5	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	14.3	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	8.7	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	9.0	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	12.0	12.1	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	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	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	10.5	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	12.8	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	15.8	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	10.1	10.7	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	14.2	11.6	12.0	12.3	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	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	11.6	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	10.4	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	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	13.0	11.2	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	12.2	9.4	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	12.0	11.6	11.4	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	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	9.2	10.4	10.8	10.3	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	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	13.9	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	10.9	14.0	14.7	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	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	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	11.4	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	9.6	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	11.6	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	10.6	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
Floyd	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	12.8	12.4	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	16.2	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	13.7	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	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	12.9	12.3	12.9	12.2	12.0	13.0	13.5	17.2	14.9	14.0	13.3	13.2	14.4	15.1	12.6	13.8
Hamilton	11.5	9.6	10.7	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	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	12.0	13.1	13.1	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	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	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	13.5	13.4	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	12.6	11.1	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	15.3	13.1	14.1	12.6	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	11.6	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	11.0	10.9	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	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

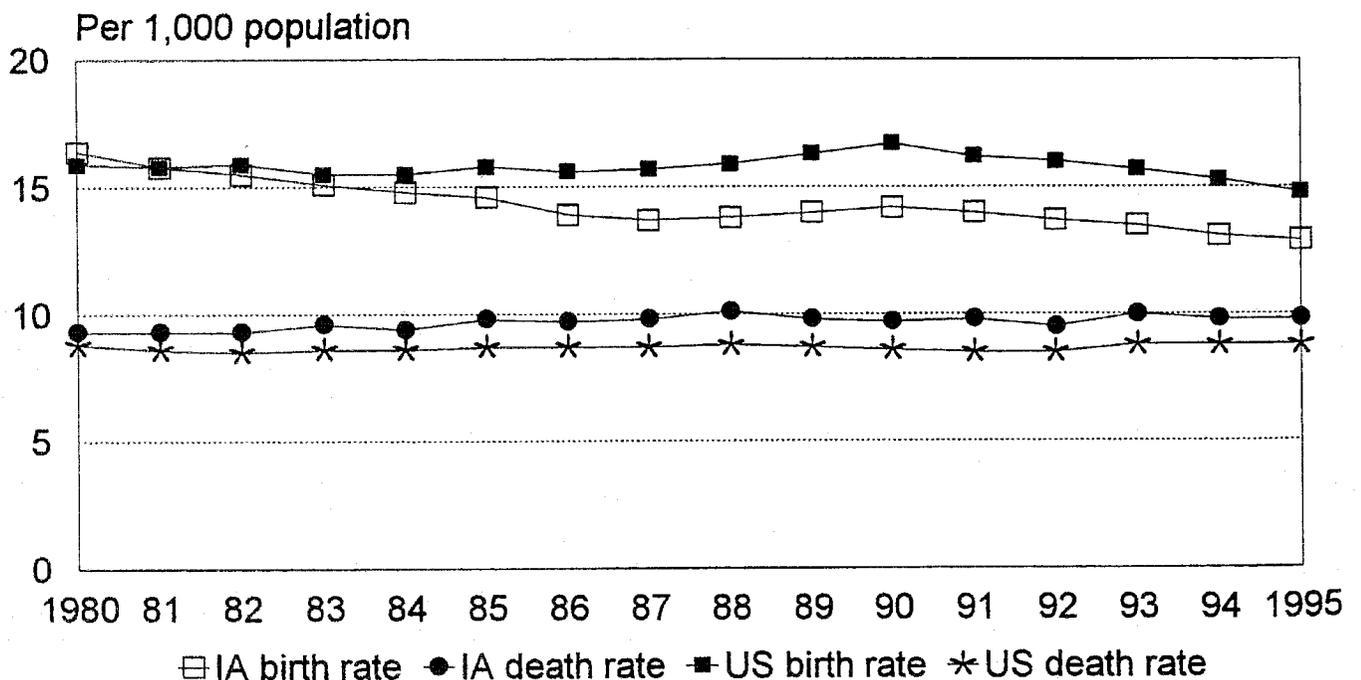
Table 2. Estimated Death Rates per 1,000 Population in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	8.4	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	4.7	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	8.3	8.5	8.9	8.5	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	11.6	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	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	11.8	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	7.6	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	10.3	11.7	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	12.4	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	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	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	10.2	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	10.3	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	13.7	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	8.4	9.0	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	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
Monona	15.7	16.0	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	13.6	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	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	8.9	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	12.6	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	13.1	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	15.4	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	12.8	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	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	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	7.5	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	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	10.4	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	13.2	16.4	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	13.4	13.7	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	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	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	7.3	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	5.7	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	12.2	12.9	12.6	9.8	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	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	13.6	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	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	12.6	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	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	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	15.6	17.2	14.5	16.1	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	12.5	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	10.8	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	8.9	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	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	15.1	12.9	12.1	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	12.4	14.0	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	9.8	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

3.9 points. Among the 38 counties where the death rates were lower in 1995 than in 1985, only Buena Vista, Decatur, Lucas, and Wayne 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 1991-1995 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, 1995," 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, 1980-1995.



Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1982-1995

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In 1995, there were 36,790 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 1995 varied from as few as 36 in Adams to as many as 5,455 in Polk. Polk had the highest number of births each year in the period, while either Adams or Ringgold had the lowest.

The state had annual declines in births from 1982 to 1987; these numbers increased from 1987 to 1990, although they declined again from 1990 to 1995. All counties had at least one year of increase during the time period. When 1985 and 1995 were compared, however, 87 counties showed declines (Table 3); Polk's increase of 368 was the only one above 150. Black Hawk, with 438 fewer births in 1995 than in 1985, had the largest decrease, although 10 other counties declined by at least 100.

Out-of-Wedlock Births

Even though births declined in Iowa between 1985 and 1995, the number of births out of wedlock increased. The 9,258 out-of-wedlock births in 1995 was an increase of 65.8 percent from the 5,585 in 1985. 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 1994 to 1995, out-of-wedlock births increased by 60 while total births dropped by 267.

In each year from 1982 through 1995, Polk county had the highest number of out-of-wedlock births; Scott was second highest. The six out-of-wedlock births in Adams was the lowest of any county in 1995.

Out-of-wedlock births occurred disproportionately in large, urban counties. In 1985, the five counties (Black Hawk, Linn, Polk, Scott, Woodbury) with the highest number of out-of-wedlock births together accounted for 46.6 percent of such births but only for 33.2 percent of the total births. In 1995, the same five counties recorded 42.6 percent of the out-of-wedlock births and 36.7 percent of all births.

Other than 1993 to 1994, the number of out-of-wedlock births increased each year in the 1985-1995 period for Iowa. Ninety-six counties had more out-of-wedlock births in 1995 than in 1985 (Table 3). The increases ranged from 1 to 513. For 59 of the 96 counties that gained, the increase was less than 25. Black Hawk, Clinton, Linn, Polk, Pottawattamie, Scott, and Woodbury increased by more than 100. Adams and Ringgold had the same number of out-of-wedlock births in 1985 and 1995, and Van Buren (-8) had fewer out-of-wedlock births in 1995 than in 1985.

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 13.6 percent in 1985 to 25.2 percent in 1995 (Table 3, Figure 1). In 1995, the percentage of out-of-wedlock births in the counties ranged from 6.8 percent in Sioux to 38.3 percent in Black Hawk. Lyon also was under 10 percent, and 31 counties ranged from 10.0 percent through 19.9 percent. In Black Hawk,

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1982-1995.

County	1995		1994		1993		1992		1991		1990		1989	
	Births	Out of Wedlock Births												
Adair	80	13	93	9	74	11	105	17	87	12	102	16	109	11
Adams	36	6	64	13	51	12	41	3	64	13	60	11	70	13
Allamakee	157	42	158	32	176	33	199	28	174	16	177	31	214	35
Appanoose	147	44	152	52	164	48	174	43	170	44	166	40	166	51
Audubon	75	14	88	16	72	6	70	9	76	11	91	5	83	7
Benton	298	61	292	64	308	50	304	60	336	68	318	46	292	49
Black Hawk	1509	578	1605	580	1774	637	1650	577	1732	561	1699	541	1687	491
Boone	309	71	313	61	274	50	288	53	312	51	329	57	309	47
Bremer	249	38	243	37	272	35	259	31	237	34	242	27	256	24
Buchanan	283	61	314	69	277	59	327	59	302	45	302	47	336	52
Buena Vista	219	68	243	66	238	59	274	55	265	54	287	42	253	25
Butler	166	34	163	26	169	32	159	22	162	20	184	25	180	26
Calhoun	114	23	106	21	90	22	120	19	111	18	130	20	124	22
Carroll	283	52	269	51	258	46	271	59	278	47	320	36	292	32
Cass	152	33	150	36	178	35	169	23	205	29	192	26	192	33
Cedar	204	41	193	38	203	35	197	37	217	28	221	37	224	38
Cerro Gordo	591	167	587	159	592	153	600	155	621	162	686	157	657	144
Cherokee	134	38	157	31	141	26	158	30	153	33	200	38	177	19
Chickasaw	152	32	169	29	179	29	166	24	166	24	199	18	182	26
Clarke	102	27	82	27	81	25	105	28	105	25	106	22	121	22
Clay	206	44	219	55	190	45	235	40	258	42	239	32	260	39
Clayton	206	56	207	39	242	46	228	44	254	33	242	43	262	35
Clinton	657	217	645	207	680	207	680	201	685	181	685	183	674	140
Crawford	178	50	176	39	208	55	196	49	205	36	228	49	204	34
Dallas	477	100	440	71	425	85	422	74	426	73	409	77	445	74
Davis	94	12	127	11	118	19	107	16	127	14	128	14	116	18
Decatur	97	31	113	20	88	24	88	22	94	21	91	12	99	16
Delaware	213	45	268	41	262	36	261	33	271	40	285	27	264	28
Des Moines	523	179	524	150	558	166	567	171	580	175	568	161	582	172
Dickinson	137	36	148	27	127	28	152	35	163	20	160	26	158	19
Dubuque	1188	234	1176	266	1252	263	1168	250	1231	238	1260	211	1184	215
Emmet	108	35	109	22	141	33	135	36	155	23	134	31	121	20
Fayette	271	61	302	65	255	53	278	52	295	53	289	45	279	43
Floyd	203	53	186	39	200	51	204	36	221	45	219	48	220	47
Franklin	116	23	133	33	120	22	125	23	130	26	124	22	132	14
Fremont	85	30	79	24	90	27	103	30	107	26	100	17	98	19
Greene	112	22	108	29	129	29	123	25	124	26	108	14	104	21
Grundy	98	19	111	17	141	14	113	14	136	15	146	11	138	13
Guthrie	121	28	126	21	105	25	154	32	138	30	122	25	111	25
Hamilton	193	46	203	38	193	39	206	45	220	42	209	26	213	33
Hancock	122	28	125	20	125	22	142	20	157	26	164	23	167	19
Hardin	244	54	218	43	204	43	192	49	209	26	213	29	214	33
Harrison	174	34	175	36	179	42	200	38	201	34	187	27	191	40
Henry	276	76	239	56	252	62	256	61	237	47	265	50	224	46
Howard	118	22	96	20	112	23	126	19	114	14	135	14	126	15
Humboldt	107	17	118	16	110	22	100	11	104	20	112	16	136	10
Ida	73	11	86	15	93	9	94	18	100	11	107	17	150	12
Iowa	192	32	212	30	213	37	196	29	208	34	213	28	236	21
Jackson	261	66	241	71	258	54	258	58	286	52	252	51	255	43
Jasper	416	83	439	89	423	82	455	88	471	89	432	74	461	61

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1982-1995 (continued).

County	1995		1994		1993		1992		1991		1990		1989	
	Out of Wedlock Births	Births	Out of Wedlock Births	Out of Wedlock Births	Births	Out of Wedlock Births	Births	Out of Wedlock Births						
Jefferson	153	30	172	33	177	41	185	36	186	30	192	37	202	31
Johnson	1258	166	1288	162	1337	168	1359	149	1358	156	1406	170	1297	138
Jones	196	51	253	61	235	52	243	51	255	27	251	49	236	35
Keokuk	145	31	129	23	143	29	147	24	176	26	150	19	152	17
Kossuth	174	29	196	25	219	33	199	29	226	33	251	35	240	25
Lee	479	154	435	139	526	177	539	167	494	141	496	121	492	149
Linn	2597	569	2550	652	2551	624	2644	604	2632	561	2641	562	2507	522
Louisa	174	54	161	46	184	61	143	42	148	36	163	36	149	28
Lucas	100	31	129	33	117	24	100	17	111	23	116	19	93	14
Lyon	136	11	165	16	162	17	180	13	156	9	178	14	167	9
Madison	159	26	160	24	162	33	155	25	158	25	158	14	167	28
Mahaska	291	61	272	66	277	55	264	53	300	68	285	52	316	60
Marion	363	76	419	71	391	73	412	57	364	51	374	44	398	51
Marshall	516	141	523	150	523	163	471	109	458	115	502	96	488	92
Mills	158	42	183	54	159	49	151	36	170	35	136	22	168	28
Mitchell	129	20	142	19	154	27	126	16	148	18	131	20	127	15
Monona	126	40	124	30	106	20	145	37	133	29	114	21	113	26
Monroe	89	25	87	21	119	21	98	20	111	23	116	25	96	17
Montgomery	161	34	160	50	141	35	165	33	138	28	158	31	150	29
Muscatine	629	191	626	196	642	175	655	179	676	152	665	159	682	137
O'Brien	200	32	174	27	191	35	199	28	176	16	184	19	195	16
Osceola	90	19	70	11	81	12	86	8	107	13	94	10	100	6
Page	174	46	181	59	164	42	166	48	179	39	200	45	220	41
Palo Alto	95	20	107	12	109	26	112	18	111	19	95	13	140	19
Plymouth	316	54	311	50	307	50	317	47	296	60	346	51	310	40
Pocahontas	66	14	84	15	88	23	99	13	104	10	124	17	110	10
Polk	5455	1436	5458	1446	5460	1456	5558	1524	5494	1481	5367	1398	5545	1302
Pottawattamie	1142	377	1156	399	1193	376	1261	396	1299	392	1361	388	1281	327
Poweshiek	215	52	211	55	205	40	215	40	237	45	226	45	226	28
Ringgold	55	10	30	7	38	8	57	11	53	9	44	5	53	4
Sac	136	20	126	30	139	30	140	25	125	20	145	18	153	17
Scott	2251	779	2243	809	2408	824	2469	838	2409	818	2430	783	2376	721
Shelby	156	27	146	27	163	29	154	14	156	17	182	21	163	15
Sioux	410	28	380	37	437	44	433	34	439	36	434	33	432	21
Story	856	108	844	92	785	101	877	103	900	101	927	88	874	62
Tama	236	65	236	61	225	46	225	60	213	56	215	31	218	54
Taylor	76	12	78	12	70	11	75	11	63	10	92	10	79	12
Union	154	46	119	33	152	35	149	40	143	32	148	32	166	28
Van Buren	76	8	104	24	108	24	91	19	98	20	89	14	93	8
Wapello	403	124	428	130	465	132	422	128	481	116	490	137	484	96
Warren	481	81	449	84	499	99	516	107	550	75	479	72	499	68
Washington	308	51	279	55	273	43	269	41	277	27	307	45	301	45
Wayne	80	17	78	13	71	9	74	15	74	11	83	14	77	9
Webster	498	168	525	169	534	168	566	154	563	165	597	159	605	142
Winnebago	134	32	135	25	121	29	139	37	138	22	148	21	165	23
Winneshiek	240	31	242	27	229	32	255	33	252	33	259	34	269	20
Woodbury	1700	585	1651	540	1651	576	1665	558	1623	552	1631	528	1496	425
Worth	89	19	91	15	94	18	91	15	99	16	99	16	107	22
Wright	139	28	157	36	156	35	171	37	188	40	214	31	191	28
State of Iowa	36790	9258	37057	9198	37805	9296	38432	9050	38925	8644	39330	8269	38916	7552

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1982-1995 (continued).

County	1988		1987		1986		1985		1984		1983		1982	
	Births	Out of Wedlock Births												
Adair	86	9	94	9	111	6	122	7	114	4	115	3	143	8
Adams	74	3	63	6	55	2	73	6	73	7	64	6	80	3
Allamakee	201	25	202	40	210	17	219	32	219	21	220	21	237	16
Appanoose	167	36	162	24	180	16	188	33	197	21	194	33	184	22
Audubon	82	5	95	7	89	8	111	13	135	8	120	6	119	9
Benton	286	34	283	29	295	37	309	29	328	23	291	29	307	28
Black Hawk	1628	482	1621	409	1739	443	1947	444	2093	428	2096	362	2245	384
Boone	347	58	318	37	295	38	326	34	333	30	347	25	367	34
Bremer	233	18	242	23	267	18	297	22	306	18	320	9	367	21
Buchanan	310	36	325	42	287	28	367	44	381	45	393	26	454	41
Buena Vista	302	43	263	30	294	19	314	27	290	22	302	20	313	16
Butler	189	25	179	19	209	11	201	10	242	12	259	22	255	12
Calhoun	111	13	145	16	152	9	149	14	140	4	171	18	196	13
Carroll	312	18	338	35	361	32	373	23	384	18	416	32	384	25
Cass	190	22	163	16	204	17	200	14	255	22	228	12	254	16
Cedar	197	23	189	27	195	17	251	25	253	28	259	21	266	20
Cerro Gordo	623	114	625	130	656	91	725	95	679	84	709	79	714	82
Cherokee	169	24	166	17	211	20	199	20	207	23	229	14	231	15
Chickasaw	170	21	154	17	201	22	177	22	224	16	224	15	265	25
Clarke	112	19	114	15	109	10	116	17	104	10	112	11	136	12
Clay	222	28	237	36	243	33	270	22	260	30	305	25	357	33
Clayton	234	33	250	23	256	35	298	25	282	17	306	20	327	20
Clinton	676	151	689	124	707	115	753	88	788	99	775	88	855	92
Crawford	256	37	277	24	247	18	263	38	256	25	323	35	294	30
Dallas	384	55	423	61	391	37	402	42	454	43	461	53	428	41
Davis	115	9	110	9	124	8	134	8	128	11	148	9	137	13
Decatur	98	9	110	16	95	10	106	12	112	7	107	8	136	7
Delaware	290	31	284	32	281	26	320	18	311	12	341	20	362	21
Des Moines	560	115	540	101	518	105	670	107	650	105	657	89	670	91
Dickinson	147	17	175	30	165	19	177	17	195	10	178	25	227	9
Dubuque	1192	156	1253	166	1199	151	1278	155	1362	170	1375	155	1447	160
Emmet	139	19	144	17	139	18	159	21	160	15	196	26	200	21
Fayette	297	25	263	23	278	26	298	31	357	32	362	27	404	48
Floyd	197	33	208	32	213	24	236	36	241	35	285	27	250	24
Franklin	136	18	139	18	148	14	173	15	193	14	165	9	176	5
Fremont	103	20	103	14	124	16	116	17	117	12	124	12	117	11
Greene	117	20	138	19	127	15	147	19	172	15	169	16	165	18
Grundy	142	8	121	10	148	8	143	11	170	11	187	10	167	10
Guthrie	117	11	104	13	115	20	119	10	156	6	144	12	149	14
Hamilton	199	21	198	24	243	24	199	25	254	23	235	19	219	25
Hancock	159	21	165	18	189	13	190	16	212	11	191	16	233	15
Hardin	224	38	218	20	233	24	270	30	283	24	311	26	324	24
Harrison	192	25	225	33	230	25	227	24	217	24	200	22	217	24
Henry	248	30	236	31	250	25	238	27	264	19	260	22	270	27
Howard	111	14	146	10	141	11	137	7	161	14	163	14	169	16
Humboldt	143	14	138	14	149	15	163	16	186	15	178	9	189	11
Ida	122	5	112	9	118	9	135	6	148	11	146	6	117	6
Iowa	178	18	179	12	215	15	182	15	216	12	217	11	216	12
Jackson	275	39	290	29	282	34	345	39	325	27	349	35	357	34
Jasper	446	52	438	60	418	46	472	55	462	44	440	49	524	50

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1982-1995 (continued).

County	1988		1987		1986		1985		1984		1983		1982	
	Births	Out of Wedlock Births												
Jefferson	208	24	178	13	218	22	222	13	224	19	233	15	209	21
Johnson	1330	117	1285	131	1278	91	1326	97	1306	89	1254	94	1299	88
Jones	240	43	216	28	220	25	290	35	262	29	275	28	280	27
Keokuk	160	15	147	19	137	8	157	12	185	15	185	10	166	7
Kossuth	245	19	249	17	265	19	262	21	295	16	350	20	344	13
Lee	509	131	544	128	526	105	589	112	582	97	596	108	623	92
Linn	2465	482	2373	392	2345	441	2450	366	2499	356	2479	350	2642	338
Louisa	141	24	167	28	144	14	145	14	161	16	172	14	178	17
Lucas	111	18	101	10	113	22	110	18	132	18	115	15	164	24
Lyon	183	6	176	9	160	11	183	6	194	6	207	2	214	9
Madison	161	19	138	14	140	15	164	13	154	14	150	15	158	7
Mahaska	295	43	296	54	326	43	318	35	325	36	339	29	342	26
Marion	363	45	405	37	368	28	439	39	403	35	434	39	463	36
Marshall	488	94	455	71	520	70	555	74	588	55	622	69	617	58
Mills	154	41	173	27	171	22	167	27	192	20	173	16	174	20
Mitchell	137	17	133	7	147	10	148	6	149	9	173	13	154	14
Monona	105	18	110	21	129	20	105	9	140	14	176	15	157	14
Monroe	88	7	107	18	104	17	109	14	122	16	120	9	111	10
Montgomery	148	29	153	12	136	11	152	17	179	18	189	16	183	12
Muscatine	615	118	560	99	635	113	632	101	635	103	709	82	754	112
O'Brien	173	18	184	11	206	8	213	18	235	15	263	16	274	11
Osceola	104	9	87	7	88	3	107	3	105	3	131	10	124	4
Page	209	28	189	27	183	27	235	34	204	27	226	27	237	21
Palo Alto	133	15	122	8	134	14	181	10	162	16	215	15	184	14
Plymouth	311	29	353	35	376	32	334	15	409	27	415	18	392	23
Pocahontas	135	12	109	7	121	7	167	3	150	13	160	13	150	5
Polk	4998	1145	4987	1085	4956	989	5087	923	4909	833	4974	869	4969	797
Pottawattamie	1295	326	1252	301	1328	282	1334	253	1379	254	1426	259	1411	231
Poweshiek	203	30	187	25	223	26	220	15	220	17	244	29	254	21
Ringgold	56	8	60	5	45	3	78	10	84	7	71	2	107	8
Sac	142	16	149	13	153	13	177	13	182	13	175	13	183	7
Scott	2368	656	2292	575	2545	640	2543	531	2647	515	2641	491	2751	465
Shelby	170	13	172	9	160	13	171	7	237	8	211	13	240	22
Sioux	471	20	457	26	494	14	511	18	519	11	574	17	560	11
Story	949	80	933	73	944	64	1035	59	1039	46	1075	50	1010	54
Tama	207	34	233	37	227	41	250	42	260	39	269	22	285	31
Taylor	73	5	86	10	71	5	91	7	102	5	102	6	133	8
Union	143	20	152	30	167	27	150	38	165	20	190	21	192	28
Van Buren	123	11	103	10	94	8	107	16	111	7	111	10	117	7
Wapello	420	78	446	94	467	79	468	80	534	91	480	79	564	77
Warren	483	69	487	34	466	42	506	38	489	40	485	42	495	46
Washington	280	29	298	32	273	35	269	25	307	28	282	23	290	19
Wayne	89	16	75	6	75	10	96	3	94	10	84	6	93	7
Webster	589	143	595	106	574	119	631	120	631	129	671	114	733	111
Winnebago	164	16	152	14	171	13	162	7	170	9	172	14	178	15
Winneshiek	272	19	269	12	288	20	287	16	321	21	321	28	309	15
Woodbury	1582	435	1542	409	1457	334	1652	341	1601	359	1645	318	1691	310
Worth	100	14	98	12	103	17	117	10	115	11	110	6	130	15
Wright	174	26	177	18	171	19	196	18	203	23	206	19	208	20
State of Iowa	38070	6730	37866	6142	38748	5811	41182	5585	42360	5315	43247	5168	44716	5062

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1982-1995.

County	1995		1994		1993		1992		1991		1990		1989	
	Teen Out of Teen Wedlock Births Births													
Adair	8	5	6	5	7	3	8	5	4	2	12	8	6	6
Adams	5	4	7	3	6	2	2	1	3	3	3	3	8	6
Allamakee	20	18	17	12	16	14	13	7	9	6	17	10	27	18
Appanoose	25	17	28	20	28	20	30	15	28	17	29	13	25	17
Audubon	6	3	8	6	2	1	2	1	5	4	6	2	7	2
Benton	29	26	29	23	26	20	23	19	26	18	23	19	22	15
Black Hawk	264	235	264	235	259	226	259	228	257	219	246	198	226	181
Boone	37	29	32	24	23	16	30	20	32	22	26	21	32	23
Bremer	21	16	18	12	14	8	8	5	19	15	15	9	14	10
Buchanan	33	25	34	25	35	24	18	13	21	15	27	17	26	18
Buena Vista	30	22	21	18	29	23	18	14	27	18	30	18	15	6
Butler	16	14	10	9	16	13	15	11	13	7	15	9	13	10
Calhoun	6	4	7	6	6	6	9	7	5	4	4	3	8	7
Carroll	31	26	23	21	22	20	20	18	26	20	15	10	19	17
Cass	19	15	15	11	18	12	20	11	22	11	23	9	16	12
Cedar	15	9	14	11	20	16	17	13	11	9	25	15	19	12
Cerro Gordo	72	63	76	62	65	55	71	59	71	53	76	55	77	54
Cherokee	14	12	6	6	11	9	16	12	15	11	27	18	10	5
Chickasaw	16	13	9	7	7	5	6	6	12	6	15	8	13	7
Clarke	16	8	6	4	12	7	17	11	10	8	12	6	13	5
Clay	23	19	22	19	16	14	11	8	14	10	16	9	16	11
Clayton	24	21	17	15	15	12	16	13	18	12	23	15	23	15
Clinton	85	72	81	68	83	73	80	70	79	59	82	59	76	53
Crawford	24	20	16	14	25	19	18	18	21	12	27	21	15	10
Dallas	33	28	38	30	45	32	30	24	36	26	37	25	49	30
Davis	12	5	9	2	5	3	9	6	6	5	10	4	9	4
Decatur	14	13	24	10	13	6	20	10	12	7	13	4	7	4
Delaware	20	19	21	18	22	17	17	16	20	15	14	10	20	12
Des Moines	73	60	66	51	86	65	79	60	87	66	76	53	75	54
Dickinson	12	9	9	6	5	3	16	13	12	6	17	13	12	5
Dubuque	101	87	94	85	111	93	92	82	100	80	93	67	106	86
Emmet	18	16	12	6	26	17	15	13	19	7	16	11	14	11
Fayette	24	18	42	26	21	11	32	17	28	19	23	17	31	18
Floyd	18	17	24	19	25	18	19	12	25	18	28	19	25	17
Franklin	12	9	18	15	10	5	12	9	15	11	10	7	11	8
Fremont	18	14	7	4	13	10	15	12	16	12	11	10	18	14
Greene	10	9	19	17	16	10	8	6	17	9	9	5	15	10
Grundy	9	6	6	6	9	5	6	4	9	7	5	5	12	8
Guthrie	13	10	11	6	11	9	20	14	14	10	8	5	15	8
Hamilton	21	18	24	16	22	17	21	16	28	20	19	10	22	13
Hancock	15	11	9	8	12	10	6	5	15	10	12	7	10	9
Hardin	22	18	31	27	26	23	19	16	21	12	17	11	17	12
Harrison	18	13	13	12	19	15	14	10	21	10	22	9	18	8
Henry	27	22	32	23	30	23	28	19	25	20	30	19	28	16
Howard	15	13	11	8	10	9	7	4	8	7	6	2	8	5
Humboldt	8	5	8	2	13	8	7	4	13	7	10	5	4	1
Ida	4	3	12	8	10	6	4	4	5	4	9	5	12	6
Iowa	13	11	8	6	11	9	14	10	16	10	12	8	18	12
Jackson	30	22	27	22	31	25	18	17	19	16	30	23	24	16
Jasper	40	28	46	32	35	31	46	32	46	31	38	25	43	25

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1982-1995 (continued).

County	1995		1994		1993		1992		1991		1990		1989	
	Teen Out of Teen Wedlock Births													
Jefferson	7	6	10	7	21	12	14	9	14	9	16	8	18	14
Johnson	52	38	59	47	49	37	39	32	51	42	60	45	59	44
Jones	20	16	28	25	21	18	15	13	12	6	20	15	18	10
Keokuk	16	11	11	8	15	9	12	5	20	11	18	7	12	4
Kossuth	13	10	7	5	13	9	16	12	12	8	25	19	19	11
Lee	76	67	67	52	83	62	74	58	62	41	57	37	77	57
Linn	225	190	273	227	242	202	241	210	269	219	246	191	256	188
Louisa	19	12	18	12	19	16	21	14	20	16	16	9	18	8
Lucas	15	11	10	7	14	9	5	2	12	7	16	6	10	3
Lyon	7	3	12	8	6	4	14	6	5	0	8	2	12	5
Madison	15	9	14	10	13	9	15	7	12	5	12	4	18	9
Mahaska	26	19	34	20	27	17	33	22	35	20	29	13	37	17
Marion	38	27	44	33	51	37	33	23	32	17	33	22	35	19
Marshall	65	48	73	57	61	44	53	40	51	42	38	30	52	35
Mills	19	14	30	22	19	15	16	12	18	12	11	4	19	10
Mitchell	11	7	8	7	10	8	12	8	13	7	15	10	11	8
Monona	18	14	14	8	8	4	23	17	24	14	12	6	12	8
Monroe	15	14	14	10	15	7	15	12	15	11	16	11	8	6
Montgomery	20	13	24	15	16	10	20	10	20	11	13	9	21	12
Muscatine	88	64	95	74	83	62	83	56	85	55	89	51	84	50
O'Brien	22	16	20	10	28	23	26	14	11	7	17	10	14	6
Osceola	7	6	8	5	3	3	8	5	7	7	9	6	8	5
Page	21	12	20	17	20	15	25	22	27	16	26	17	38	22
Palo Alto	14	12	9	6	12	8	8	6	16	13	14	8	13	7
Plymouth	19	16	23	22	29	22	22	14	29	19	27	17	31	21
Pocahontas	5	4	10	7	8	8	5	4	6	3	8	5	4	3
Polk	554	470	530	453	596	510	589	498	608	502	577	462	634	481
Pottawattamie	169	136	178	142	167	129	168	128	184	140	191	128	152	106
Poweshiek	22	17	23	20	14	12	20	18	24	17	27	19	19	10
Ringgold	8	5	2	1	7	4	7	4	4	2	1	0	3	1
Sac	11	11	14	12	14	13	10	8	10	9	10	7	13	9
Scott	345	307	334	289	344	305	352	305	363	308	343	280	327	273
Shelby	13	11	18	16	13	9	9	7	6	3	9	7	12	6
Sioux	18	9	31	13	39	25	26	16	27	18	23	11	21	10
Story	40	28	36	25	44	33	41	27	42	25	48	21	35	17
Tama	35	26	27	17	22	17	26	21	28	25	21	13	26	22
Taylor	7	3	10	6	7	5	5	3	9	4	11	5	8	2
Union	24	16	16	12	17	9	13	9	21	12	14	7	19	10
Van Buren	9	2	6	5	9	7	11	10	9	4	13	9	6	1
Wapello	60	43	65	47	73	50	57	35	59	27	75	48	66	34
Warren	35	22	37	27	45	33	55	44	50	32	49	36	41	26
Washington	22	17	27	23	21	15	18	12	20	12	24	20	32	17
Wayne	10	8	8	4	8	6	10	6	11	4	9	6	7	3
Webster	71	62	64	52	65	51	68	50	66	52	63	45	78	58
Winnebago	15	13	12	8	12	9	18	16	7	3	11	10	23	14
Winneshiek	19	17	15	12	9	5	15	13	13	8	14	11	9	8
Woodbury	263	208	242	192	232	195	246	181	234	186	234	186	203	148
Worth	10	8	7	5	10	8	9	6	8	7	10	7	9	5
Wright	12	8	17	14	14	11	13	7	19	12	16	13	21	11
State of Iowa	4064	3286	4041	3217	4066	3229	3935	3077	4081	3036	4013	2847	4017	2786

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1982-1995 (continued).

County	1988		1987		1986		1985		1984		1983		1982	
	Teen Out of Teen Wedlock Births Births													
Adair	6	5	8	4	10	3	7	2	9	1	6	0	13	4
Adams	2	0	7	4	3	1	4	2	6	3	7	3	6	1
Allamakee	13	10	23	15	19	8	19	13	21	7	16	9	28	12
Appanoose	20	14	24	12	24	7	23	7	19	8	33	12	28	10
Audubon	9	0	6	3	10	4	5	3	16	4	9	1	15	3
Benton	14	10	28	14	24	14	17	9	33	13	34	12	30	12
Black Hawk	183	149	195	147	204	159	238	174	250	172	228	149	273	173
Boone	35	21	17	8	23	13	30	16	22	10	23	10	30	15
Bremer	14	6	18	9	14	8	27	10	22	9	19	4	30	8
Buchanan	24	18	25	12	30	14	36	18	38	15	35	13	57	19
Buena Vista	29	23	13	9	20	6	19	11	21	5	20	7	27	9
Butler	13	5	10	6	16	6	26	6	16	4	34	11	22	4
Calhoun	6	3	7	5	2	1	10	5	3	1	8	5	20	4
Carroll	10	7	21	15	27	13	20	7	16	4	32	15	39	18
Cass	13	8	8	2	9	4	15	4	29	7	18	4	21	5
Cedar	10	7	16	10	5	3	22	12	29	11	20	8	29	9
Cerro Gordo	62	49	57	41	43	29	57	30	54	31	62	28	56	21
Cherokee	12	8	4	2	7	4	14	6	20	11	17	6	20	8
Chickasaw	10	7	18	9	16	8	16	11	14	6	15	7	34	12
Clarke	21	8	17	6	7	1	10	5	12	4	11	4	18	9
Clay	20	12	19	13	16	11	15	8	17	9	24	13	35	13
Clayton	14	10	26	12	27	15	31	15	29	9	24	7	36	10
Clinton	71	47	68	52	85	49	69	33	89	49	109	56	77	30
Crawford	18	12	17	5	10	5	24	12	24	9	37	19	40	17
Dallas	31	19	37	24	32	14	27	12	32	15	46	22	30	13
Davis	9	2	8	2	6	2	15	5	7	3	26	3	14	7
Decatur	13	5	15	7	10	5	8	3	11	1	9	2	14	2
Delaware	18	10	14	9	18	13	20	10	12	5	12	5	29	12
Des Moines	65	39	64	39	75	41	66	31	71	36	78	38	88	33
Dickinson	9	5	16	9	13	9	11	5	14	1	19	14	18	4
Dubuque	88	58	80	48	88	57	109	65	116	78	122	79	127	75
Emmet	11	8	15	7	19	8	15	7	13	8	20	9	21	11
Fayette	16	8	23	11	24	14	28	13	34	13	27	12	52	20
Floyd	22	13	18	16	29	16	28	14	29	14	37	15	27	7
Franklin	11	7	12	8	11	8	12	5	18	6	7	3	17	3
Fremont	16	9	11	6	11	4	15	8	12	2	14	6	12	3
Greene	12	9	17	11	10	6	13	6	13	5	20	8	24	11
Grundy	5	3	9	4	10	4	12	7	8	1	14	5	9	3
Guthrie	7	3	11	4	7	5	12	5	12	2	20	8	17	5
Hamilton	18	7	24	14	16	7	15	6	26	10	19	6	25	13
Hancock	12	8	9	4	11	6	7	3	13	5	17	8	22	9
Hardin	16	14	17	9	12	5	22	13	20	8	19	7	30	9
Harrison	13	6	25	15	25	9	26	13	25	11	26	10	32	11
Henry	31	15	21	13	25	16	21	14	22	6	17	5	20	5
Howard	9	5	12	4	10	4	6	2	10	4	19	7	18	8
Humboldt	11	8	6	5	13	8	21	10	16	6	14	3	14	6
Ida	2	1	11	6	5	3	8	3	12	6	7	2	9	2
Iowa	9	3	5	3	15	7	13	5	16	7	14	4	24	7
Jackson	23	15	22	12	22	12	34	20	31	11	40	14	49	18
Jasper	42	19	31	21	41	14	56	28	50	19	51	19	69	24

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1982-1995 (continued).

County	1988		1987		1986		1985		1984		1983		1982	
	Teen Births	Out of Wedlock Births												
Jefferson	13	12	5	3	11	4	12	5	14	7	19	3	26	11
Johnson	42	32	53	41	41	20	54	29	50	22	44	22	55	20
Jones	21	16	9	9	13	6	12	5	30	12	30	10	30	12
Keokuk	20	6	13	8	9	3	9	1	15	4	22	6	21	3
Kossuth	18	8	18	8	16	8	18	13	21	9	22	8	27	6
Lee	60	42	68	49	76	45	85	46	81	39	93	47	72	29
Linn	232	189	242	153	228	163	215	125	219	135	233	141	252	138
Louisa	17	12	22	13	12	5	14	4	19	7	20	6	24	8
Lucas	13	8	14	4	17	7	15	7	19	7	16	4	26	11
Lyon	11	3	9	3	13	5	17	3	11	4	6	0	14	3
Madison	16	6	11	3	15	5	16	9	12	4	15	5	20	4
Mahaska	37	19	25	16	35	20	37	17	25	9	34	14	36	12
Marion	33	20	34	14	26	10	45	17	45	17	43	15	46	16
Marshall	45	34	37	21	43	25	44	22	42	21	66	27	51	26
Mills	22	17	11	9	12	7	19	9	22	6	17	5	17	7
Mitchell	6	5	7	4	6	4	10	3	16	7	20	7	14	8
Monona	8	4	11	6	13	7	8	2	19	7	14	7	17	8
Monroe	11	3	13	8	11	7	11	3	13	5	11	3	14	1
Montgomery	18	13	7	3	12	7	10	6	16	7	19	6	21	6
Muscatine	82	42	72	31	81	42	73	38	92	43	104	32	116	45
O'Brien	11	8	12	6	13	5	9	4	17	4	15	4	34	4
Osceola	7	4	4	2	2	1	4	1	8	2	10	3	7	1
Page	18	10	18	10	20	6	30	13	27	10	30	10	26	11
Palo Alto	8	5	3	1	8	6	7	2	11	4	24	8	15	4
Plymouth	15	8	21	14	32	21	17	8	27	12	19	4	29	8
Pocahontas	4	3	5	3	7	4	5	1	10	4	12	8	7	2
Polk	570	430	561	388	483	317	531	331	491	292	545	335	579	313
Pottawattamie	162	115	150	102	171	111	162	99	188	111	204	103	207	109
Poweshiek	10	5	13	3	22	9	12	5	16	5	29	14	35	8
Ringgold	3	1	4	2	3	1	5	3	8	1	7	1	11	2
Sac	6	4	14	5	10	4	13	4	14	5	11	4	11	3
Scott	288	234	262	212	349	258	302	207	314	212	299	196	327	210
Shelby	9	7	10	5	8	6	5	2	15	6	19	6	22	8
Sioux	31	13	34	17	26	7	27	7	31	7	28	7	43	8
Story	44	20	37	18	46	22	50	18	41	16	56	16	70	21
Tama	14	11	21	13	21	16	29	21	33	19	21	11	32	16
Taylor	6	2	9	4	8	1	4	1	11	1	10	2	15	2
Union	10	5	13	8	11	7	11	8	11	7	22	11	21	10
Van Buren	9	3	8	2	9	3	7	2	11	2	14	4	13	3
Wapello	46	22	62	37	75	35	70	33	72	35	65	28	88	34
Warren	50	30	33	9	33	11	53	19	32	14	39	13	56	22
Washington	20	11	25	14	24	14	21	8	30	10	21	8	20	8
Wayne	16	6	7	2	11	3	10	2	11	2	10	4	13	5
Webster	70	50	70	49	67	47	77	45	79	55	86	51	91	51
Winnebago	11	8	10	5	11	9	14	2	18	5	15	5	18	6
Winneshiek	10	5	14	5	15	7	20	7	16	10	29	9	19	4
Woodbury	199	163	202	156	166	110	210	131	194	131	212	130	231	123
Worth	10	7	5	5	6	4	6	2	5	2	5	2	8	4
Wright	10	9	14	8	7	7	26	9	19	7	24	9	25	10
State of Iowa	3540	2428	3507	2237	3567	2135	3835	2091	3993	2048	4284	2091	4767	2131

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1985 and 1995.

County	1995 Births Minus 1985 Births		% of Births Out of Wedlock		1995 Teen Births Minus 1985 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	1995	1985	Total	Out of Wedlock	1995	1985	1995	1985	1995	1985
Adair	-42	6	16.3	5.7	1	3	62.5	28.6	10.0	5.7	38.5	28.6
Adams	-37	0	16.7	8.2	1	2	80.0	50.0	13.9	5.5	66.7	33.3
Allamakee	-62	10	26.8	14.6	1	5	90.0	68.4	12.7	8.7	42.9	40.6
Appanoose	-41	11	29.9	17.6	2	10	68.0	30.4	17.0	12.2	38.6	21.2
Audubon	-36	1	18.7	11.7	1	0	50.0	60.0	8.0	4.5	21.4	23.1
Benton	-11	32	20.5	9.4	12	17	89.7	52.9	9.7	5.5	42.6	31.0
Black Hawk	-438	134	38.3	22.8	26	61	89.0	73.1	17.5	12.2	40.7	39.2
Boone	-17	37	23.0	10.4	7	13	78.4	53.3	12.0	9.2	40.8	47.1
Bremer	-48	16	15.3	7.4	-6	6	76.2	37.0	8.4	9.1	42.1	45.5
Buchanan	-84	17	21.6	12.0	-3	7	75.8	50.0	11.7	9.8	41.0	40.9
Buena Vista	-95	41	31.1	8.6	11	11	73.3	57.9	13.7	6.1	32.4	40.7
Butler	-35	24	20.5	5.0	-10	8	87.5	23.1	9.6	12.9	41.2	60.0
Calhoun	-35	9	20.2	9.4	-4	-1	66.7	50.0	5.3	6.7	17.4	35.7
Carroll	-90	29	18.4	6.2	11	19	83.9	35.0	11.0	5.4	50.0	30.4
Cass	-48	19	21.7	7.0	4	11	78.9	26.7	12.5	7.5	45.5	28.6
Cedar	-47	16	20.1	10.0	-7	-3	60.0	54.5	7.4	8.8	22.0	48.0
Cerro Gordo	-134	72	28.3	13.1	15	33	87.5	52.6	12.2	7.9	37.7	31.6
Cherokee	-65	18	28.4	10.1	0	6	85.7	42.9	10.4	7.0	31.6	30.0
Chickasaw	-25	10	21.1	12.4	0	2	81.3	68.8	10.5	9.0	40.6	50.0
Clarke	-14	10	26.5	14.7	6	3	50.0	50.0	15.7	8.6	29.6	29.4
Clay	-64	22	21.4	8.1	8	11	82.6	53.3	11.2	5.6	43.2	36.4
Clayton	-92	31	27.2	8.4	-7	6	87.5	48.4	11.7	10.4	37.5	60.0
Clinton	-96	129	33.0	11.7	16	39	84.7	47.8	12.9	9.2	33.2	37.5
Crawford	-85	12	28.1	14.4	0	8	83.3	50.0	13.5	9.1	40.0	31.6
Dallas	75	58	21.0	10.4	6	16	84.8	44.4	6.9	6.7	28.0	28.6
Davis	-40	4	12.8	6.0	-3	0	41.7	33.3	12.8	11.2	41.7	62.5
Decatur	-9	19	32.0	11.3	6	10	92.9	37.5	14.4	7.5	41.9	25.0
Delaware	-107	27	21.1	5.6	0	9	95.0	50.0	9.4	6.3	42.2	55.6
Des Moines	-147	72	34.2	16.0	7	29	82.2	47.0	14.0	9.9	33.5	29.0
Dickinson	-40	19	26.3	9.6	1	4	75.0	45.5	8.8	6.2	25.0	29.4
Dubuque	-90	79	19.7	12.1	-8	22	86.1	59.6	8.5	8.5	37.2	41.9
Emmet	-51	14	32.4	13.2	3	9	88.9	46.7	16.7	9.4	45.7	33.3
Fayette	-27	30	22.5	10.4	-4	5	75.0	46.4	8.9	9.4	29.5	41.9
Floyd	-33	17	26.1	15.3	-10	3	94.4	50.0	8.9	11.9	32.1	38.9
Franklin	-57	8	19.8	8.7	0	4	75.0	41.7	10.3	6.9	39.1	33.3
Fremont	-31	13	35.3	14.7	3	6	77.8	53.3	21.2	12.9	46.7	47.1
Greene	-35	3	19.6	12.9	-3	3	90.0	46.2	8.9	8.8	40.9	31.6
Grundy	-45	8	19.4	7.7	-3	-1	66.7	58.3	9.2	8.4	31.6	63.6
Guthrie	2	18	23.1	8.4	1	5	76.9	41.7	10.7	10.1	35.7	50.0
Hamilton	-6	21	23.8	12.6	6	12	85.7	40.0	10.9	7.5	39.1	24.0
Hancock	-68	12	23.0	8.4	8	8	73.3	42.9	12.3	3.7	39.3	18.8
Hardin	-26	24	22.1	11.1	0	5	81.8	59.1	9.0	8.1	33.3	43.3
Harrison	-53	10	19.5	10.6	-8	0	72.2	50.0	10.3	11.5	38.2	54.2
Henry	38	49	27.5	11.3	6	8	81.5	66.7	9.8	8.8	28.9	51.9
Howard	-19	15	18.6	5.1	9	11	86.7	33.3	12.7	4.4	59.1	28.6
Humboldt	-56	1	15.9	9.8	-13	-5	62.5	47.6	7.5	12.9	29.4	62.5
Ida	-62	5	15.1	4.4	-4	0	75.0	37.5	5.5	5.9	27.3	50.0
Iowa	10	17	16.7	8.2	0	6	84.6	38.5	6.8	7.1	34.4	33.3
Jackson	-84	27	25.3	11.3	-4	2	73.3	58.8	11.5	9.9	33.3	51.3
Jasper	-56	28	20.0	11.7	-16	0	70.0	50.0	9.6	11.9	33.7	50.9

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1985 and 1995 (continued).

County	1995 Births Minus 1985 Births		% of Births Out of Wedlock		1995 Teen Births Minus 1985 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	1995	1985	Total	Out of Wedlock	1995	1985	1995	1985	1995	1985
	Jefferson	-69	17	19.6	5.9	-5	1	85.7	41.7	4.6	5.4	20.0	38.5
Johnson	-68	69	13.2	7.3	-2	9	73.1	53.7	4.1	4.1	22.9	29.9
Jones	-94	16	26.0	12.1	8	11	80.0	41.7	10.2	4.1	31.4	14.3
Keokuk	-12	19	21.4	7.6	7	10	68.8	11.1	11.0	5.7	35.5	8.3
Kossuth	-88	8	16.7	8.0	-5	-3	76.9	72.2	7.5	6.9	34.5	61.9
Lee	-110	42	32.2	19.0	-9	21	88.2	54.1	15.9	14.4	43.5	41.1
Linn	147	203	21.9	14.9	10	65	84.4	58.1	8.7	8.8	33.4	34.2
Louisa	29	40	31.0	9.7	5	8	63.2	28.6	10.9	9.7	22.2	28.6
Lucas	-10	13	31.0	16.4	0	4	73.3	46.7	15.0	13.6	35.5	38.9
Lyon	-47	5	8.1	3.3	-10	0	42.9	17.6	5.1	9.3	27.3	50.0
Madison	-5	13	16.4	7.9	-1	0	60.0	56.3	9.4	9.8	34.6	69.2
Mahaska	-27	26	21.0	11.0	-11	2	73.1	45.9	8.9	11.6	31.1	48.6
Marion	-76	37	20.9	8.9	-7	10	71.1	37.8	10.5	10.3	35.5	43.6
Marshall	-39	67	27.3	13.3	21	26	73.8	50.0	12.6	7.9	34.0	29.7
Mills	-9	15	26.6	16.2	0	5	73.7	47.4	12.0	11.4	33.3	33.3
Mitchell	-19	14	15.5	4.1	1	4	63.6	30.0	8.5	6.8	35.0	50.0
Monona	21	31	31.7	8.6	10	12	77.8	25.0	14.3	7.6	35.0	22.2
Monroe	-20	11	28.1	12.8	4	11	93.3	27.3	16.9	10.1	56.0	21.4
Montgomery	9	17	21.1	11.2	10	7	65.0	60.0	12.4	6.6	38.2	35.3
Muscatine	-3	90	30.4	16.0	15	26	72.7	52.1	14.0	11.6	33.5	37.6
O'Brien	-13	14	16.0	8.5	13	12	72.7	44.4	11.0	4.2	50.0	22.2
Osceola	-17	16	21.1	2.8	3	5	85.7	25.0	7.8	3.7	31.6	33.3
Page	-61	12	26.4	14.5	-9	-1	57.1	43.3	12.1	12.8	26.1	38.2
Palo Alto	-86	10	21.1	5.5	7	10	85.7	28.6	14.7	3.9	60.0	20.0
Plymouth	-18	39	17.1	4.5	2	8	84.2	47.1	6.0	5.1	29.6	53.3
Pocahontas	-101	11	21.2	1.8	0	3	80.0	20.0	7.6	3.0	28.6	33.3
Polk	368	513	26.3	18.1	23	139	84.8	62.3	10.2	10.4	32.7	35.9
Pottawattamie	-192	124	33.0	19.0	7	37	80.5	61.1	14.8	12.1	36.1	39.1
Poweshiek	-5	37	24.2	6.8	10	12	77.3	41.7	10.2	5.5	32.7	33.3
Ringgold	-23	0	18.2	12.8	3	2	62.5	60.0	14.5	6.4	50.0	30.0
Sac	-41	7	14.7	7.3	-2	7	100.0	30.8	8.1	7.3	55.0	30.8
Scott	-292	248	34.6	20.9	43	100	89.0	68.5	15.3	11.9	39.4	39.0
Shelby	-15	20	17.3	4.1	8	9	84.6	40.0	8.3	2.9	40.7	28.6
Sioux	-101	10	6.8	3.5	-9	2	50.0	25.9	4.4	5.3	32.1	38.9
Story	-179	49	12.6	5.7	-10	10	70.0	36.0	4.7	4.8	25.9	30.5
Tama	-14	23	27.5	16.8	6	5	74.3	72.4	14.8	11.6	40.0	50.0
Taylor	-15	5	15.8	7.7	3	2	42.9	25.0	9.2	4.4	25.0	14.3
Union	4	8	29.9	25.3	13	8	66.7	72.7	15.6	7.3	34.8	21.1
Van Buren	-31	-8	10.5	15.0	2	0	22.2	28.6	11.8	6.5	25.0	12.5
Wapello	-65	44	30.8	17.1	-10	10	71.7	47.1	14.9	15.0	34.7	41.3
Warren	-25	43	16.8	7.5	-18	3	62.9	35.8	7.3	10.5	27.2	50.0
Washington	39	26	16.6	9.3	1	9	77.3	38.1	7.1	7.8	33.3	32.0
Wayne	-16	14	21.3	3.1	0	6	80.0	20.0	12.5	10.4	47.1	66.7
Webster	-133	48	33.7	19.0	-6	17	87.3	58.4	14.3	12.2	36.9	37.5
Winnebago	-28	25	23.9	4.3	1	11	86.7	14.3	11.2	8.6	40.6	28.6
Winneshiek	-47	15	12.9	5.6	-1	10	89.5	35.0	7.9	7.0	54.8	43.8
Woodbury	48	244	34.4	20.6	53	77	79.1	62.4	15.5	12.7	35.6	38.4
Worth	-28	9	21.3	8.5	4	6	80.0	33.3	11.2	5.1	42.1	20.0
Wright	-57	10	20.1	9.2	-14	-1	66.7	34.6	8.6	13.3	28.6	50.0
State of Iowa	-4392	3673	25.2	13.6	229	1195	80.9	54.5	11.0	9.3	35.5	37.4

Clinton, Des Moines, Fremont, Pottawattamie, Scott, Webster, and Woodbury, at least one of every three (33%) of the 1995 births occurred out of wedlock (Figure 2).

For Iowa, the percentage of births out of wedlock increased each year from 1982 to 1995. Sixty-nine counties had percentages 10 or more points higher in 1995 than in 1985.

Births to Teens

Births to Iowa teens, which includes mothers 19 and younger, numbered 4,064 in 1995 (Table 2). Increases occurred from 1987 through 1989 following continuous decreases from 1982 to 1987. Teen births in 1995 were somewhat higher than the number recorded in 1985. For counties, births to teens in 1995 ranged from 4 in Ida to 554 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 1982 through 1995, the county with the lowest number of births to teens recorded six or fewer.

Thirty-four counties had fewer teen births in 1995 than in 1985 (Table 3); of the remaining 65 counties, 11 had the same numbers both years while 54 counties increased. Woodbury was the only county with at least 50 more teen births in 1995 than in 1985. The decline of 18 in Warren was the largest. Seventy-two counties reported changes of less than 10 in either direction.

Out-of-Wedlock Births to Teens

Teen births out of wedlock numbered 3,286 in the state in 1995, a number higher than any other year reported. Teen out-of-wedlock births declined each year from 1982 to 1984, then increased annually from 1984 to 1993, and decreased by 12 between 1993 and 1994 before increasing again (Table 2).

In 1985, teen out-of-wedlock births occurred disproportionately in the larger, urban counties. In that year, five counties (Black Hawk, Linn, Polk, Scott, Woodbury) had 39.0 percent of all teen births but 46.3 percent of the out-of-wedlock teen births. This changed by 1995; in that year, these five urban counties had 40.6 percent of all births to teens and 42.9 percent of the out-of-wedlock teen births. These 1995 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 1985 and 1995, all the counties experienced years when the number of teen out-of-wedlock births increased and other years when the number decreased. Differences between 1985 and 1995 ranged from a decline of 5 to a gain of 139 (Table 3). Seven counties had fewer teen out-of-wedlock births in 1995 than in 1985, eight counties were the same in both years, and 84 counties showed an increase. For 62 of the counties, the change in either direction was less than 10 teen out-of-wedlock births; Polk's increase of 139 was the only one greater than 100.

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 1985 to 1995 in the proportion of teen births in Iowa that were out of wedlock (Table 3, Figure 1). In 1985, 2,091 of 3,835 teen births (54.5%) were out of wedlock. By 1995, 3,286 of 4,064 teen births—more than four of every five (80.9%)—were out of wedlock.

For the counties in 1995, the percentage of teen births that were out of wedlock ranged from less than 60 percent in eight counties to 90 percent or more in seven others (Figure 3). In 1985, the highest percentage for any county was 73.1, while in 30 others more than half of the births to teens were out of wedlock. In 1995, 92 counties had more than half of their teen births out of wedlock. Three counties (Audubon, Union, Van Buren) had a lower percentage of teen births out of wedlock in 1995 than in 1985.

Births to Teens Compared with Total Births

The proportion of the total births that were to teens in 1985 (9.3%) increased slightly to 11.0 percent in 1995 (Table 3). In 1995, the percentages of the total births that were to teens ranged from 4.1 in Johnson to 21.2 in Fremont, the only county greater than 17.5 percent. Although there were year-to-

year variations for all the counties, teen births, as a percentage of all births, were lower in 1995 than in 1985 for 24 counties.

Teens tended to have a much higher percentage of their births out of wedlock than the population overall. In most counties for both 1985 and 1995, 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 1982 and 1987 although they generally increased from 1987 to 1995. From 1985 to 1995, teen out-of-wedlock births increased 57.1 percent. In comparison, the total number of out-of-wedlock births increased slightly faster (65.8%) in the same years. Consequently, teen out-of-wedlock births, which were 37.4 percent of all out-of-wedlock births in 1985, were down to 35.5 percent of all out-of-wedlock births in 1995 (Table 3).

For the counties in 1995, teen out-of-wedlock births, as a proportion of all out-of-wedlock births, ranged from less than 25 percent in six counties to 50 percent or more in nine others. Fifty-five counties had a lower proportion of all out-of-wedlock births to teens in 1995 than in 1985 while 43 counties increased.

Figure 1. Percent of births out of wedlock in Iowa, 1980-1995.

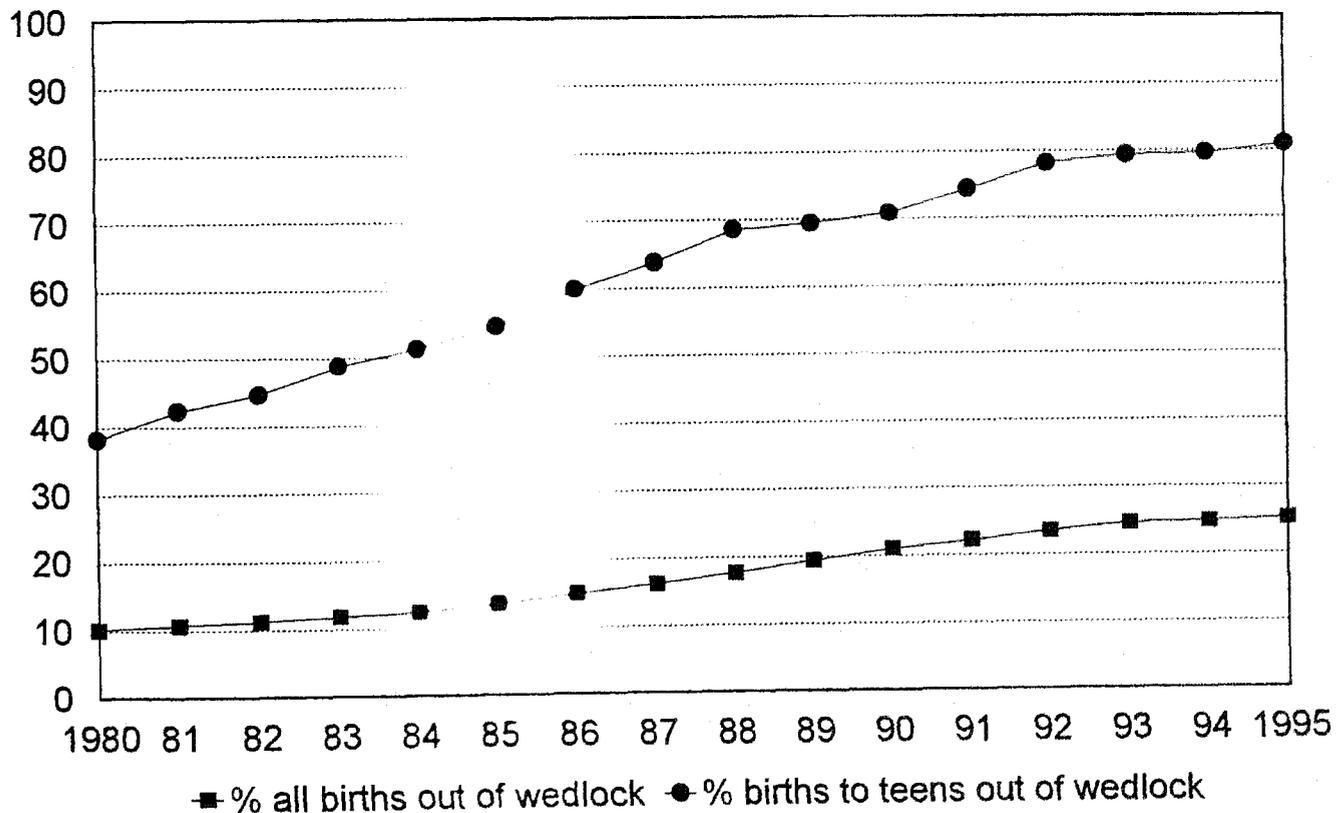


Figure 2. Percent of births out of wedlock, 1995.

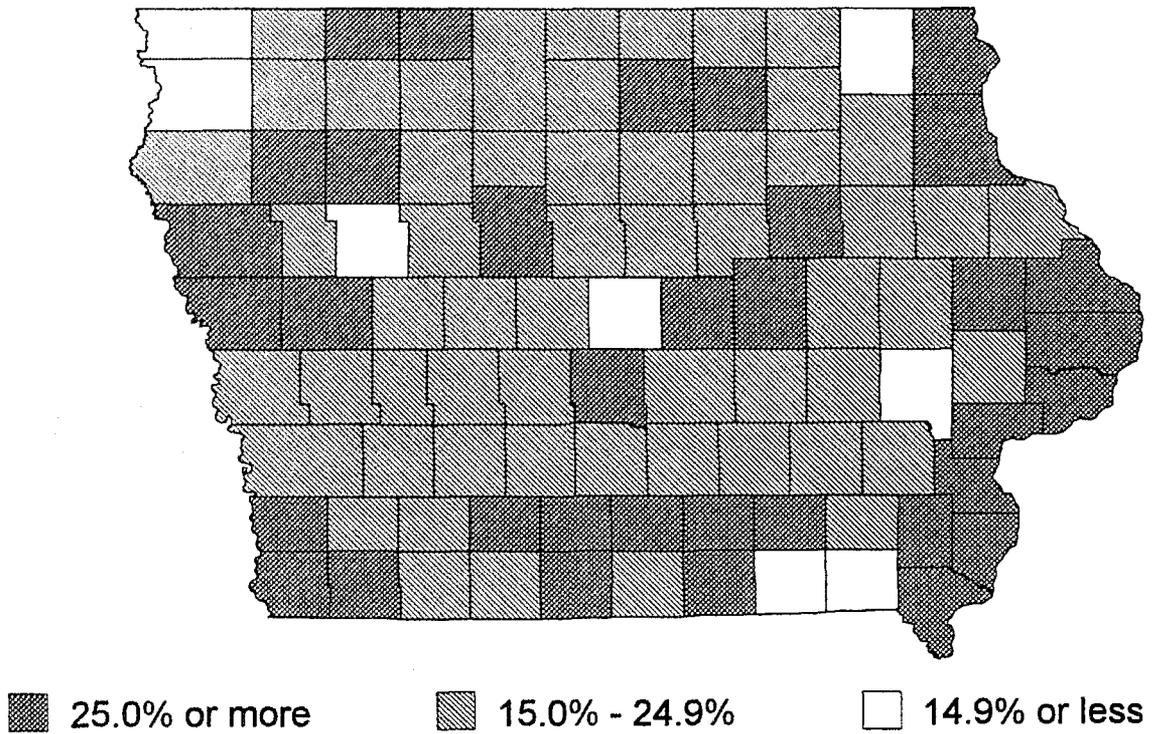
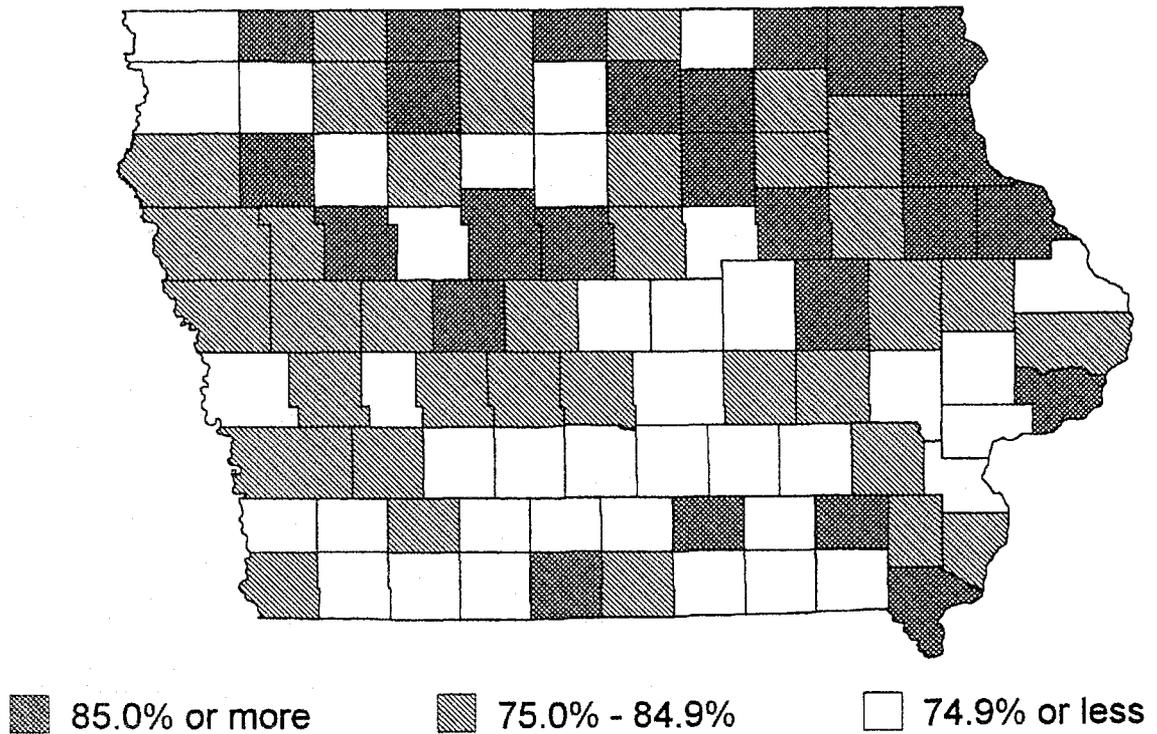


Figure 3. Percent of births to teenage women out of wedlock, 1995.



Infant Mortality in Iowa's Counties: 1980-1995

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In 1995, 300 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. Only 1993 and 1994 had lower numbers during the 1980-1995 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 recently, with the 300 noted in 1995 higher than the low point recorded in 1993 by 39. Deaths are reported for the county of residence of the deceased.

A total of 5,715 infants died during the 16 years from 1980 through 1995. Polk (885) had the highest number during this period. Nine others (Black Hawk, Dubuque, Johnson, Linn, Muscatine, Pottawattamie, Scott, Story, Woodbury) each reported at least 100 infant deaths. These 10 counties accounted for more than half (3,043, 53.2%) of the deaths to infants from 1980 through 1995. Eighteen counties had 15 or fewer infant deaths during these 16 years, or an average of less than one per year. Three-fifths (59) of the 99 counties counted more than 15 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 16-year period, the infant mortality rate was 8.8 (or 8.8 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, although the rate of 8.2 in 1995 represents an increase from the 7.4 figure reported for 1994 (Figure 2). When infant deaths and live births were accumulated for the years 1980 through 1984, the infant mortality rate was 10.0; the rate declined to 8.8 for the 1985-1989 period, and it was 7.7 when the data were tallied for 1990 through 1994.

A third (35) of Iowa's 99 counties had infant mortality rates equaling or exceeding the state figure of 8.8 for the 1980-1995 period. Thirteen counties reported rates of 10.0 or higher (Figure 3). Three (Emmet, 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-three counties were more than two points below the state's rate. Two (Osceola, Union) had rates that were less than half that of the state.

Forty-one counties matched the state's pattern of declining mortality rates across the three subperiods (1980-1984, 1985-1989, 1990-1994) (Table 2). But six others (Adair, Dickinson, Montgomery, Shelby, Sioux, Union) 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, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Adair	1	1	0	1	1	0	0	0	1	0	1	0	0	1	0	1	8
Adams	1	0	0	1	0	0	1	1	0	1	0	2	1	0	1	0	9
Allamakee	2	1	3	0	1	0	2	0	1	0	4	0	1	1	2	5	23
Appanoose	2	2	2	0	3	3	0	1	3	0	1	4	2	0	1	2	26
Audubon	0	1	0	1	2	1	1	0	2	0	0	3	0	3	2	0	16
Benton	4	1	4	4	1	0	1	5	1	2	1	2	2	1	5	2	36
Black Hawk	8	10	22	14	13	17	14	17	15	11	9	18	21	35	26	34	284
Boone	1	5	1	4	2	0	2	4	3	3	4	4	4	3	5	4	49
Bremer	0	2	2	1	0	0	2	1	0	5	0	4	0	1	5	4	27
Buchanan	5	4	1	2	0	1	2	4	3	1	4	4	6	3	6	6	52
Buena Vista	1	1	0	0	0	0	2	2	4	1	0	3	2	5	2	3	26
Butler	1	1	1	1	1	1	0	0	2	1	2	2	1	2	4	2	22
Calhoun	1	0	1	0	1	0	2	0	0	3	2	3	2	0	3	2	20
Carroll	2	3	2	0	0	2	1	2	3	2	1	3	1	5	1	3	31
Cass	0	2	0	1	1	1	4	0	1	2	3	4	3	2	3	3	30
Cedar	1	1	3	0	3	3	2	0	2	2	1	2	2	1	5	3	31
Cerro Gordo	2	2	6	7	2	6	0	3	4	10	4	11	2	5	6	12	82
Cherokee	0	0	0	1	0	5	2	2	0	1	1	1	3	2	1	3	22
Chickasaw	3	0	1	1	1	0	1	0	3	0	3	1	3	2	1	4	24
Clarke	1	0	0	0	1	0	0	3	0	1	0	2	1	4	2	0	15
Clay	2	0	0	1	2	0	2	0	7	2	1	3	2	3	3	5	33
Clayton	3	1	1	2	3	0	3	3	2	1	3	3	2	1	2	5	35
Clinton	5	5	8	3	3	7	3	3	4	5	8	3	2	8	7	8	82
Crawford	2	3	1	0	0	1	1	1	1	6	3	1	6	4	7	2	39
Dallas	6	2	2	2	4	1	5	3	7	5	3	5	5	4	0	3	57
Davis	0	0	1	0	1	0	0	1	0	1	3	0	0	0	2	1	10
Decatur	0	3	1	2	0	0	0	1	0	0	0	0	1	0	1	2	11
Delaware	1	0	1	0	1	2	1	4	4	5	1	1	3	2	8	4	38
Des Moines	3	3	3	6	2	6	1	7	6	5	9	11	4	6	9	13	94
Dickinson	0	2	2	4	0	1	2	0	1	2	2	2	1	1	1	3	24
Dubuque	12	7	2	6	8	16	6	11	7	11	10	10	13	16	10	18	163
Emmet	1	0	0	1	0	1	2	1	1	3	2	0	4	5	3	7	31
Fayette	2	1	1	2	3	1	2	4	1	3	2	1	2	4	9	3	41
Floyd	1	0	1	2	0	0	0	0	1	0	6	5	2	0	2	2	22
Franklin	1	0	1	1	2	1	1	3	0	1	0	1	0	4	3	3	22
Fremont	1	1	0	2	0	0	2	0	1	2	1	0	1	1	1	0	13
Greene	1	0	1	0	1	1	0	2	0	1	0	1	0	2	4	1	15
Grundy	1	2	0	1	1	1	0	1	1	0	1	1	3	0	3	0	16
Guthrie	1	2	0	0	2	0	2	0	0	1	1	2	2	2	0	2	17
Hamilton	1	2	1	3	1	3	3	0	2	2	0	2	0	3	1	4	28
Hancock	0	3	0	1	0	2	2	0	0	1	1	0	4	2	3	9	28
Hardin	0	3	0	0	2	2	1	0	2	3	3	4	0	4	1	0	25
Harrison	1	0	1	0	1	1	0	0	1	2	5	1	1	2	0	3	19
Henry	1	2	4	0	2	0	3	2	2	1	3	0	2	1	1	9	33
Howard	0	0	1	0	0	1	0	1	0	2	1	1	2	1	0	3	13
Humboldt	1	1	0	0	1	2	1	1	4	0	1	4	0	0	0	1	17
Ida	1	3	2	1	1	0	2	0	1	0	1	1	1	2	0	1	17
Iowa	1	1	0	0	1	0	5	4	3	2	1	1	4	2	0	4	29
Jackson	4	1	2	3	2	1	4	5	1	3	4	2	1	2	4	5	44
Jasper	2	4	5	3	4	0	3	3	5	5	6	5	3	4	3	4	59

Table 1. Infant Mortality in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Jefferson	2	0	3	3	2	3	1	0	0	0	1	5	0	1	3	1	25
Johnson	11	13	3	11	12	13	14	11	9	7	15	10	16	17	13	17	192
Jones	4	0	1	0	0	4	0	1	3	2	2	1	0	2	2	2	24
Keokuk	0	1	0	1	2	1	0	3	0	3	3	4	1	2	1	1	23
Kossuth	3	2	0	2	1	4	0	2	1	1	4	1	4	3	1	5	34
Lee	6	6	3	3	8	2	4	3	9	6	3	5	6	11	7	9	91
Linn	22	18	19	20	14	26	19	27	19	25	24	17	27	44	22	45	388
Louisa	1	0	2	0	1	4	2	2	1	3	0	2	2	3	1	2	26
Lucas	0	1	0	1	1	0	3	0	1	0	1	1	0	1	0	0	10
Lyon	0	0	2	3	1	1	0	0	0	2	0	1	4	2	1	0	17
Madison	0	0	0	0	2	1	0	0	1	1	1	1	1	1	0	3	12
Mahaska	0	0	1	2	3	1	3	2	4	1	2	3	3	3	4	1	33
Marion	2	2	2	5	4	1	4	3	3	5	3	0	5	3	4	2	48
Marshall	5	4	4	0	5	4	2	3	5	6	8	2	4	10	4	7	73
Mills	2	1	2	0	0	0	0	2	3	1	1	2	0	2	3	1	20
Mitchell	2	0	1	4	1	1	1	0	1	1	1	1	2	0	4	2	22
Monona	0	1	2	0	1	1	0	0	1	1	0	2	0	0	0	1	10
Monroe	1	1	0	0	0	0	1	2	3	1	0	1	1	1	2	2	16
Montgomery	1	1	2	1	3	1	1	5	0	0	1	1	0	0	1	4	22
Muscatine	3	11	3	10	11	2	6	6	5	8	4	3	7	11	12	7	109
O'Brien	4	0	2	2	3	2	1	0	1	1	1	0	1	4	1	4	27
Osceola	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	4
Page	3	0	4	2	1	0	1	6	1	0	1	2	5	1	1	4	32
Palo Alto	2	3	2	1	1	1	0	0	0	2	0	3	3	1	4	1	24
Plymouth	2	1	3	4	3	2	2	1	4	1	1	6	2	6	3	3	44
Pocahontas	0	1	0	0	0	0	0	1	1	0	2	1	1	1	2	0	10
Polk	57	42	48	52	66	57	59	51	60	46	70	50	52	44	59	72	885
Pottawattamie	16	7	7	13	14	5	11	7	18	12	22	12	16	25	21	18	224
Poweshiek	2	2	1	0	0	0	3	1	1	3	1	1	0	4	4	6	29
Ringgold	0	0	0	0	2	0	0	1	2	0	1	1	1	0	0	0	8
Sac	2	1	0	1	0	1	2	2	1	1	1	1	3	1	3	2	22
Scott	18	18	12	23	14	27	24	22	17	26	17	25	24	25	29	41	362
Shelby	1	1	0	2	2	3	3	2	0	0	1	0	1	0	2	4	22
Sioux	6	2	2	4	5	2	3	2	3	2	6	4	7	3	3	2	56
Story	3	4	6	5	11	10	3	5	7	7	11	8	8	5	8	9	110
Tama	1	0	1	2	0	2	0	2	0	1	3	1	2	2	2	5	24
Taylor	0	1	0	0	1	0	5	1	0	0	2	0	1	2	0	2	15
Union	3	0	0	1	2	1	1	1	0	0	2	2	1	1	4	0	19
Van Buren	1	1	1	1	2	1	1	1	0	0	2	2	1	1	4	0	19
Wapello	1	4	3	5	3	4	6	3	7	4	5	7	7	0	5	8	72
Warren	4	5	4	4	6	0	1	5	5	4	4	5	3	3	1	2	35
Washington	2	1	1	4	1	1	4	3	0	0	0	1	1	1	1	2	9
Wayne	0	1	0	0	1	1	0	0	0	0	5	7	9	4	10	6	98
Webster	3	4	4	5	5	5	5	7	7	5	7	9	4	10	6	12	98
Winnebago	1	0	3	1	1	0	1	0	1	5	1	1	3	3	0	0	21
Winneshiek	0	0	0	2	0	2	0	4	1	1	3	5	2	0	3	4	27
Woodbury	11	21	13	19	14	26	27	22	21	9	24	17	21	24	30	27	326
Worth	0	0	0	1	0	0	0	0	1	0	1	1	0	3	2	1	10
Wright	1	2	3	2	1	3	1	2	1	0	2	1	2	3	4	1	29
State of Iowa	300	273	261	307	312	317	321	330	343	327	389	376	385	453	456	565	5715

Table 2. Infant Mortality Rates Per 1,000 Live Births in Iowa Counties for Selected Periods from 1980 through 1995.

County	1980- 1995	1990- 1994	1985- 1989	1980- 1984	County	1980- 1995	1990- 1994	1985- 1989	1980- 1984
Adair	4.6	6.5	3.8	3.0	Jefferson	7.8	12.1	1.9	9.1
Adams	8.8	3.6	9.0	10.7	Johnson	9.1	7.7	8.6	11.3
Allamakee	7.0	5.7	6.7	7.6	Jones	5.9	4.0	6.7	5.0
Appanoose	9.0	12.1	5.8	8.6	Keokuk	8.8	6.7	12.0	9.4
Audubon	10.2	12.6	6.5	12.6	Kossuth	8.0	8.2	6.3	8.1
Benton	7.2	6.4	6.8	7.1	Lee	10.4	8.8	9.4	12.0
Black Hawk	9.5	9.0	7.7	12.0	Linn	9.5	7.5	9.4	11.9
Boone	9.3	7.9	10.0	11.0	Louisa	10.0	8.8	10.7	11.3
Bremer	5.9	4.0	6.2	7.7	Lucas	5.2	5.2	9.5	2.8
Buchanan	9.4	5.3	8.6	11.8	Lyon	5.8	8.3	2.3	7.3
Buena Vista	5.7	0.8	6.3	9.5	Madison	4.7	3.8	3.9	7.4
Butler	6.8	6.0	5.2	8.6	Mahaska	6.6	5.0	7.7	8.1
Calhoun	9.0	3.6	10.3	11.4	Marion	7.4	7.1	9.1	6.4
Carroll	5.8	5.0	5.4	6.4	Marshall	8.4	6.9	9.6	8.6
Cass	9.2	5.6	10.5	11.9	Mills	7.2	3.8	8.4	8.2
Cedar	8.6	9.7	6.6	9.8	Mitchell	9.3	10.0	5.8	10.7
Cerro Gordo	7.8	7.5	6.4	10.1	Monona	4.7	8.0	3.6	3.7
Cherokee	7.3	7.4	6.5	8.7	Monroe	9.2	1.9	13.9	11.3
Chickasaw	7.6	3.4	7.9	8.9	Montgomery	8.4	10.5	9.5	6.4
Clarke	8.6	2.1	7.0	15.0	Muscatine	10.3	11.3	9.3	11.3
Clay	7.9	2.6	9.7	10.1	O'Brien	7.9	9.7	4.1	7.5
Clayton	8.1	6.0	9.2	8.0	Osceola	2.4	0.0	2.1	4.8
Clinton	7.0	7.7	6.6	6.6	Page	9.7	7.9	8.7	10.8
Crawford	9.9	4.9	9.6	13.4	Palo Alto	10.3	15.0	2.8	12.2
Dallas	8.3	5.2	11.2	7.6	Plymouth	7.8	8.2	5.3	9.5
Davis	5.0	3.3	8.3	4.2	Pocahontas	5.1	2.0	6.2	6.5
Decatur	6.5	12.7	2.0	6.6	Polk	10.6	9.7	11.2	11.1
Delaware	8.0	3.0	10.4	10.3	Pottawattamie	10.6	7.3	10.8	12.9
Des Moines	9.7	7.1	9.8	12.3	Poweshiek	8.1	2.7	8.5	12.2
Dickinson	8.8	12.0	8.5	7.8	Ringgold	8.0	9.0	13.7	4.7
Dubuque	7.9	6.4	7.4	9.2	Sac	8.5	4.4	9.0	9.9
Emmet	12.5	3.0	12.8	19.1	Scott	9.0	7.9	8.7	10.4
Fayette	8.2	5.6	8.5	10.0	Shelby	7.5	10.0	7.2	6.2
Floyd	6.1	2.9	6.5	8.4	Sioux	7.2	7.1	6.8	6.6
Franklin	9.2	7.9	6.9	12.0	Story	7.3	8.3	7.0	7.3
Fremont	7.5	6.3	11.0	4.8	Tama	6.2	4.5	5.3	8.8
Greene	6.8	5.1	4.7	9.0	Taylor	10.4	5.3	20.0	8.5
Grundy	6.8	7.7	4.3	7.5	Union	4.2	5.6	3.9	1.0
Guthrie	8.0	6.2	7.1	10.2	Van Buren	11.3	12.2	7.7	13.3
Hamilton	8.0	9.7	6.7	8.2	Wapello	9.4	8.3	10.9	9.9
Hancock	10.0	8.4	4.6	16.3	Warren	7.2	7.6	7.8	5.9
Hardin	6.2	6.8	7.8	5.7	Washington	7.6	5.7	7.7	9.3
Harrison	5.8	3.2	7.5	6.3	Wayne	6.6	7.9	0.0	12.0
Henry	8.1	6.4	9.2	9.5	Webster	10.1	8.3	10.4	11.8
Howard	5.9	3.4	6.1	8.4	Winnebago	8.4	7.3	9.8	8.0
Humboldt	7.4	7.4	9.6	5.4	Winneshiek	6.1	3.2	6.5	8.9
Ida	8.9	14.6	6.3	7.0	Woodbury	12.4	11.3	13.3	13.9
Iowa	8.7	1.9	15.2	9.9	Worth	5.9	2.1	3.8	11.5
Jackson	9.2	6.9	11.7	7.9	Wright	9.6	12.4	6.6	10.1
Jasper	8.0	7.2	9.8	7.7					
					State of Iowa	8.8	7.7	8.8	10.0

Figure 1. Infant mortality in Iowa, 1980-1995.

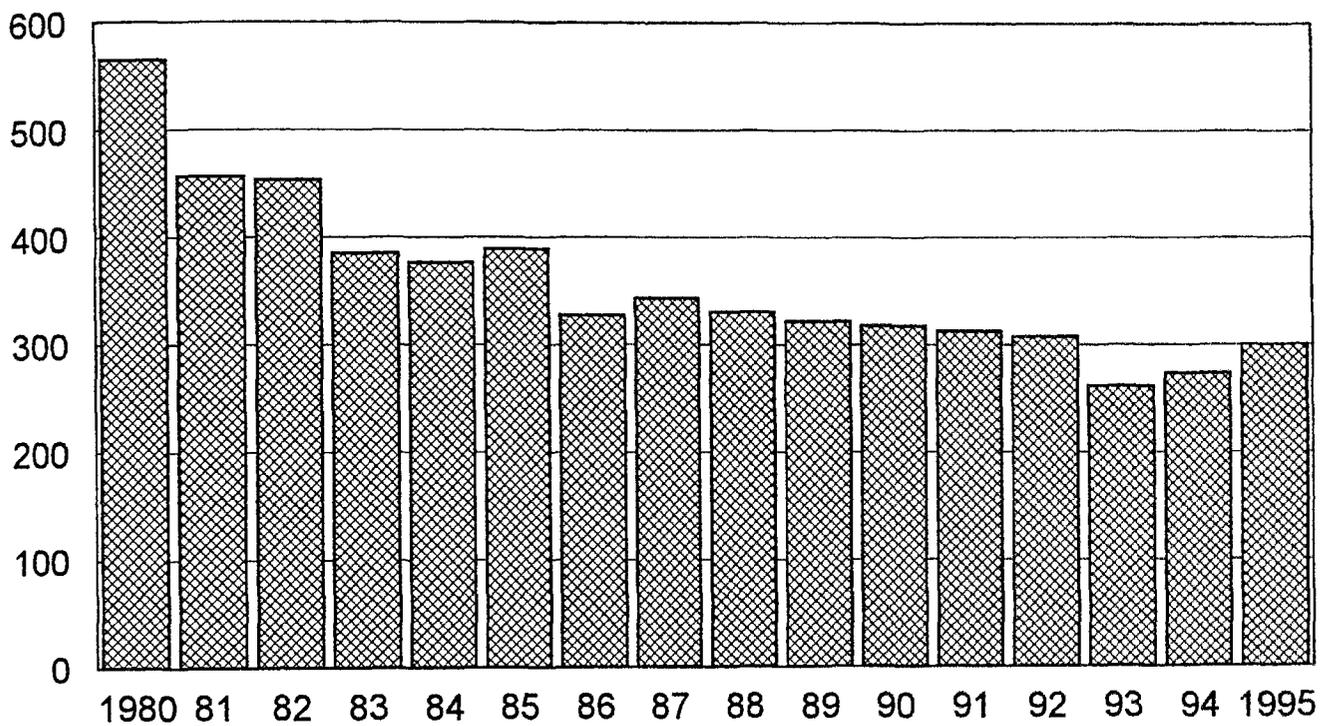
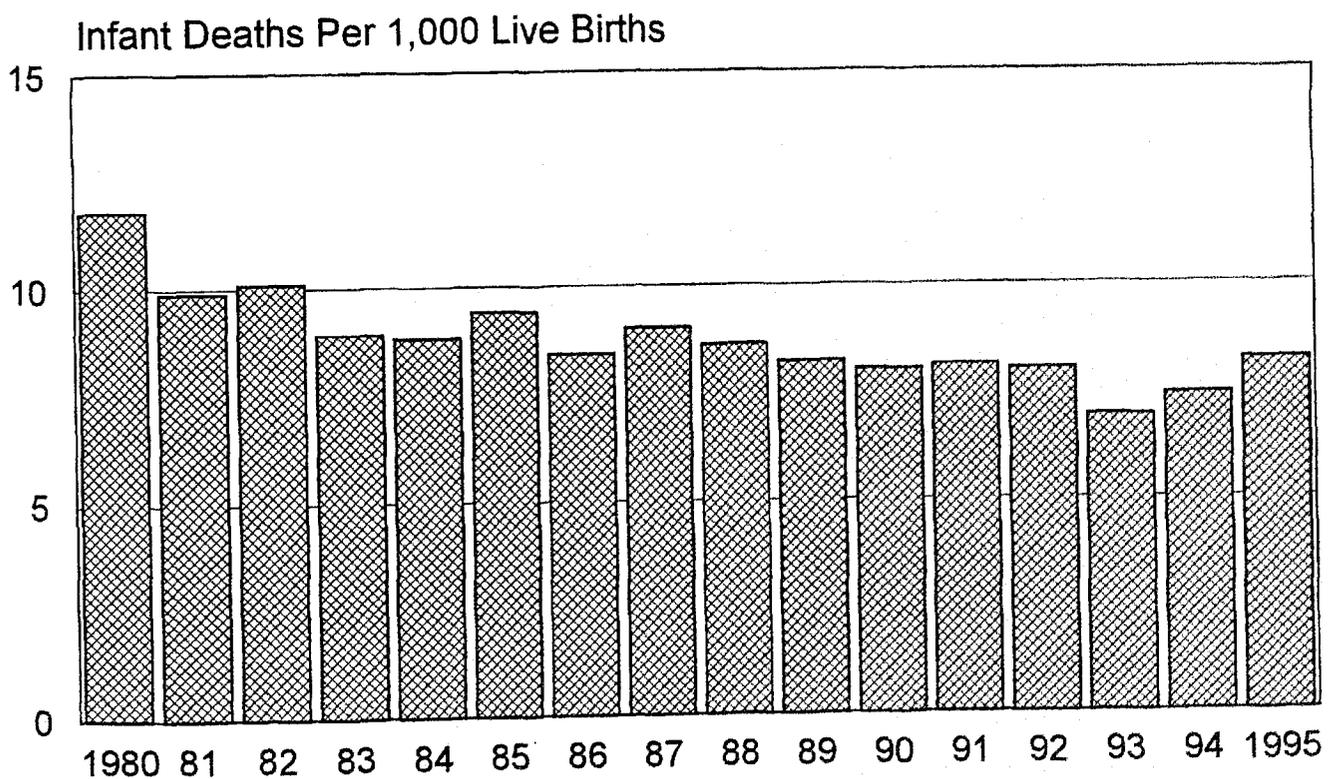


Figure 2. Infant mortality rate in Iowa, 1980-1995.



Deaths Caused by Accident, Suicide, or Homicide in Iowa's Counties: 1980-1995

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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 1995, the 24,048 deaths due to these four causes accounted for 5.5% of all deaths (436,666) 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 1995, 540 Iowans died in motor vehicle accidents (Table 1). From 1980 through 1994, 11 years had lower totals than that reported in 1995. Deaths from motor vehicle accidents were substantially higher in 1980 and 1981, exceeding 650 both years (Figure 1).

Polk had more residents (44) die in motor vehicle accidents in 1995 than did any other county. The next highest counties were Black Hawk, Linn, and Scott. Two thirds of the counties (66) had one to five while Winnebago had no residents die in motor vehicle accidents in 1995.

A total of 8,421 Iowa residents died in motor vehicle accidents from 1980 through 1995. Of these, 737 were residents of Polk. Nineteen other counties had at least 100 residents die in this manner between 1980 and 1995. Adams had 17 residents die in motor vehicle accidents during the 16 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 610 Iowans were due to these kinds of incidents in 1995 (Table 2). In 1980, 652 accidental deaths not involving motor vehicles occurred to Iowa residents, the highest during the period reviewed (Figure 1). Only one other year (1981) had a higher count than 1995.

In 1995, Polk had the highest number (68) of deaths from accidents other than those involving motor vehicles, followed by Black Hawk and Linn. Five or fewer such deaths occurred in 64 counties in 1995; among these, no deaths from these kinds of accidents were reported for residents of three counties (Audubon, Mitchell, Pocahontas).

During the 1980-1995 period, accidents other than those involving motor vehicles claimed the lives of 9,338 Iowans. Polk's total was 1,109, nearly triple that of second place Linn (395). Twenty other counties recorded 100 or more such accidental deaths during the 16 years. Osceola (23) had the fewest of these accidental deaths during the period.

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Adair	5	0	5	2	2	3	1	1	0	2	0	2	1	0	2	3	29
Adams	1	1	2	1	2	0	1	4	1	0	1	0	1	1	1	0	17
Allamakee	2	1	4	7	3	4	6	1	9	3	1	6	7	7	5	9	75
Appanoose	5	5	5	2	0	5	4	6	4	4	1	5	0	0	5	3	54
Audubon	1	0	1	1	4	2	1	0	0	0	1	2	4	0	2	4	23
Benton	4	4	3	1	8	3	7	8	5	3	3	4	9	5	3	7	77
Black Hawk	20	23	19	24	16	19	16	17	13	13	18	13	16	19	24	29	299
Boone	5	9	1	6	1	3	3	2	6	1	5	2	2	6	7	3	62
Bremer	4	4	8	1	6	5	5	9	2	3	4	2	4	3	5	8	73
Buchanan	6	2	3	3	2	3	4	8	1	1	2	4	6	7	5	5	62
Buena Vista	2	4	3	6	4	3	4	8	2	3	2	5	3	6	5	6	66
Butler	1	4	4	4	3	2	3	6	6	5	1	3	2	2	2	5	53
Calhoun	2	1	0	3	3	2	10	4	3	2	5	3	3	2	2	7	52
Carroll	6	5	4	4	7	2	1	6	5	3	3	3	3	5	3	8	68
Cass	7	2	4	4	2	2	0	4	1	7	4	1	6	4	4	10	62
Cedar	5	4	3	2	7	2	3	9	4	2	7	4	0	5	8	5	70
Cerro Gordo	6	5	13	8	6	3	6	3	8	5	8	3	5	8	10	16	113
Cherokee	4	3	1	1	5	1	5	5	3	0	4	4	1	4	7	4	52
Chickasaw	4	2	2	3	6	1	1	5	2	3	1	5	1	2	2	6	46
Clarke	4	0	4	2	3	2	2	1	2	4	3	0	0	3	4	1	35
Clay	5	4	2	0	6	4	1	1	2	4	4	1	3	6	2	8	53
Clayton	10	8	9	4	6	2	13	3	1	8	3	5	5	6	10	11	104
Clinton	10	12	7	4	11	9	8	20	10	10	8	6	11	14	16	11	167
Crawford	7	6	5	2	5	2	2	4	7	4	10	2	9	2	6	6	79
Dallas	6	5	11	10	9	10	5	11	6	5	7	5	6	8	7	5	116
Davis	9	2	3	2	2	3	3	0	2	3	3	5	1	1	0	0	39
Decatur	1	1	3	1	3	1	1	1	0	1	2	3	2	8	4	2	34
Delaware	4	1	4	2	4	2	1	1	4	2	4	3	2	4	4	4	46
Des Moines	6	5	13	3	10	7	5	12	8	8	4	11	9	5	8	9	123
Dickinson	2	2	2	6	4	1	2	2	3	0	2	1	0	1	1	5	34
Dubuque	5	16	9	18	9	11	18	15	14	14	14	15	18	12	21	18	227
Emmet	5	1	1	2	5	0	3	3	4	1	8	3	2	0	5	4	47
Fayette	7	6	3	5	7	13	3	12	8	3	6	3	4	4	5	2	91
Floyd	2	6	4	3	3	2	5	4	4	1	3	2	5	8	6	7	65
Franklin	1	1	2	4	1	0	4	4	2	1	1	3	3	2	3	3	35
Fremont	2	3	3	0	1	2	2	2	5	4	4	3	2	2	4	3	42
Greene	5	5	0	2	0	4	2	9	1	0	0	1	2	1	5	8	45
Grundy	3	3	0	0	3	1	0	1	2	1	2	1	2	4	2	3	28
Guthrie	3	2	2	2	1	1	1	5	1	1	3	2	2	3	1	2	32
Hamilton	4	4	4	4	1	4	4	7	7	2	0	3	6	3	8	4	65
Hancock	2	3	4	0	2	5	2	2	2	4	1	3	3	1	1	2	37
Hardin	4	7	4	2	3	2	3	8	5	3	3	8	2	2	7	7	70
Harrison	4	6	4	12	7	6	6	5	2	4	2	5	4	6	1	8	82
Henry	5	3	7	2	11	2	7	1	2	7	0	3	1	5	6	4	66
Howard	1	1	1	4	1	2	4	2	3	3	1	5	1	1	5	2	37
Humboldt	3	3	2	3	1	1	4	1	3	3	2	2	4	0	5	2	39
Ida	5	1	4	5	0	2	1	2	7	1	5	2	3	0	1	0	39
Iowa	5	3	3	6	2	2	1	3	3	2	8	1	0	5	5	5	54
Jackson	6	4	4	4	8	7	3	8	11	8	7	4	7	10	8	7	106
Jasper	4	4	9	4	1	8	10	6	8	7	3	10	9	5	6	5	99

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1995
Jefferson	8	0	2	2	6	5	2	3	5	2	2	4	5	1	4	5	56
Johnson	10	9	8	8	11	10	14	6	5	8	22	8	7	14	9	11	160
Jones	4	3	6	7	2	5	4	6	4	2	4	1	7	3	6	6	70
Keokuk	5	5	6	2	2	5	0	5	6	3	3	8	9	6	8	3	76
Kossuth	7	2	6	2	1	1	9	3	4	2	10	3	1	7	7	5	70
Lee	10	6	3	7	16	16	9	9	8	5	8	6	10	9	13	14	149
Linn	27	24	19	12	22	21	26	19	19	16	20	19	15	20	32	29	340
Louisa	5	6	3	3	1	4	5	3	0	3	0	2	3	3	2	2	45
Lucas	3	2	0	5	2	6	2	0	3	2	3	3	3	2	4	1	41
Lyon	2	2	3	2	2	2	2	0	2	5	3	4	1	2	5	4	41
Madison	6	5	0	2	4	2	3	1	2	1	4	3	3	1	3	1	41
Mahaska	5	6	7	6	6	5	3	6	7	3	4	4	5	3	0	6	76
Marion	4	9	8	9	4	7	8	6	2	4	5	2	5	1	8	4	86
Marshall	13	9	5	12	17	6	11	2	9	10	9	6	9	13	10	11	152
Mills	1	1	3	2	3	7	2	2	3	5	3	2	1	3	3	4	45
Mitchell	6	1	2	6	0	1	2	3	3	1	1	1	4	1	2	3	37
Monona	1	3	1	3	2	3	5	4	4	5	0	3	3	3	6	7	53
Monroe	1	4	4	3	1	3	5	1	1	1	3	3	6	1	3	6	46
Montgomery	3	2	2	0	3	4	2	3	2	3	2	1	2	2	6	2	39
Muscatine	7	7	3	5	9	11	19	14	8	4	18	10	15	8	12	9	159
O'Brien	2	6	1	5	3	1	4	3	3	0	1	7	3	3	8	3	53
Osceola	1	3	2	1	0	1	0	3	0	6	2	2	4	1	2	0	28
Page	3	2	1	5	3	7	2	5	1	2	2	8	4	3	5	6	59
Palo Alto	1	2	2	3	5	4	3	3	0	2	7	1	1	1	2	2	39
Plymouth	6	5	5	2	2	4	3	6	8	4	9	1	5	7	8	10	85
Pocahontas	3	2	0	3	3	4	6	5	3	7	1	2	3	3	5	4	54
Polk	44	53	34	39	45	35	48	60	41	43	45	44	43	28	58	77	737
Pottawattamie	10	17	14	20	8	14	14	15	25	17	14	11	21	21	22	5	248
Poweshiek	3	4	1	2	3	2	5	4	6	5	3	8	2	6	5	6	65
Ringgold	1	2	2	1	1	1	0	2	3	0	2	2	3	1	1	3	25
Sac	7	2	3	4	1	2	4	4	7	1	7	1	3	4	3	5	58
Scott	21	20	17	18	10	18	21	19	22	21	15	18	33	18	29	28	328
Shelby	4	1	7	6	2	3	4	4	2	0	2	2	5	5	2	7	56
Sioux	5	3	2	1	6	8	7	4	6	9	5	4	4	4	4	6	78
Story	9	2	7	7	13	9	4	5	9	6	6	9	5	6	9	9	115
Tama	6	7	5	6	6	6	3	2	5	5	5	4	8	3	7	4	82
Taylor	1	4	2	1	0	2	2	1	5	4	2	0	5	3	2	3	37
Union	3	4	3	5	5	1	2	4	1	5	3	3	0	5	3	5	52
Van Buren	4	2	4	0	4	2	2	2	0	0	1	2	1	3	3	1	31
Wapello	10	14	7	8	10	9	11	7	2	9	8	5	5	7	11	5	128
Warren	4	6	1	3	1	4	8	11	3	7	7	5	6	6	6	11	89
Washington	4	3	7	3	3	3	4	3	4	5	10	4	4	3	10	8	78
Wayne	2	7	3	1	2	0	0	1	3	0	3	1	3	2	3	3	34
Webster	7	12	4	4	11	8	11	10	8	11	12	14	11	9	11	17	160
Winnebago	0	4	3	3	2	5	4	3	3	1	1	5	7	3	3	4	51
Winneshiek	4	2	2	1	3	8	5	3	2	3	2	5	7	4	4	3	58
Woodbury	13	12	12	15	12	16	17	16	14	13	19	13	20	22	15	12	241
Worth	2	2	0	0	1	1	3	3	1	1	2	2	1	3	0	0	22
Wright	2	2	3	1	6	6	4	4	3	4	7	5	3	4	2	3	59
State of Iowa	540	518	463	467	502	491	541	570	501	455	521	473	536	509	655	679	8421

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Adair	7	1	0	3	6	2	3	1	4	2	1	4	0	4	2	4	44
Adams	2	4	4	3	2	0	3	3	1	1	2	2	1	1	2	3	34
Allamakee	5	3	2	3	3	4	7	5	5	8	2	4	4	5	3	3	66
Appanoose	4	1	3	2	2	3	3	4	4	9	6	4	2	6	1	3	57
Audubon	0	2	0	4	2	0	2	2	0	2	2	2	4	3	1	2	28
Benton	6	6	3	3	4	5	6	4	4	1	5	4	7	2	4	6	70
Black Hawk	25	30	36	16	23	24	14	15	22	24	14	16	33	21	25	27	365
Boone	8	2	9	5	8	3	8	11	11	8	8	3	9	3	9	5	110
Bremer	2	6	4	4	5	4	3	5	1	5	2	4	4	4	8	2	63
Buchanan	6	5	3	10	3	4	1	5	7	3	5	4	3	6	8	4	77
Buena Vista	1	4	2	4	0	2	7	6	3	0	4	2	8	3	4	6	56
Butler	8	3	0	0	1	2	2	3	4	7	2	1	2	2	4	5	46
Calhoun	3	4	2	2	6	2	1	4	4	4	2	3	4	0	1	2	44
Carroll	3	9	3	6	3	2	7	6	8	2	5	8	3	11	3	5	84
Cass	4	7	0	6	6	6	8	7	5	1	8	3	1	4	3	5	74
Cedar	6	6	4	2	0	5	1	2	0	1	6	5	2	2	4	0	46
Cerro Gordo	8	6	4	5	12	2	8	4	8	11	10	9	7	8	13	9	124
Cherokee	7	2	1	2	4	5	9	7	2	1	3	2	4	3	1	2	55
Chickasaw	5	1	4	2	4	1	1	1	1	4	1	3	0	2	3	3	36
Clarke	1	5	3	3	3	4	2	1	2	0	3	2	3	1	3	7	43
Clay	1	2	3	4	1	2	0	2	4	1	0	4	3	6	4	5	42
Clayton	5	8	6	4	7	3	5	8	4	2	6	9	6	8	6	7	94
Clinton	10	6	14	13	6	6	14	11	13	9	13	6	8	20	5	14	168
Crawford	5	3	4	3	2	4	5	1	3	5	5	5	3	5	5	4	62
Dallas	5	8	8	10	4	3	6	11	10	4	8	8	7	6	4	4	106
Davis	4	1	1	0	3	2	2	1	2	0	2	2	4	5	1	1	31
Decatur	1	6	4	8	6	5	4	4	2	3	3	1	2	2	1	5	57
Delaware	2	2	1	8	5	3	6	6	2	5	6	9	2	7	1	4	69
Des Moines	11	9	7	9	12	11	13	11	4	11	14	2	5	7	9	7	142
Dickinson	3	5	4	0	0	6	3	0	3	3	4	3	3	8	4	3	52
Dubuque	10	12	14	6	17	20	13	10	7	22	20	16	13	13	15	19	227
Emmet	2	6	4	2	2	1	3	6	1	1	4	5	3	0	4	2	46
Fayette	6	4	7	5	4	5	7	3	8	3	6	8	3	6	10	8	93
Floyd	6	3	4	6	4	1	1	5	5	2	2	5	4	6	3	10	67
Franklin	2	2	2	4	4	3	3	3	1	6	5	1	3	1	5	2	47
Fremont	3	2	3	0	4	3	2	3	2	1	0	2	7	3	8	3	46
Greene	3	3	0	3	6	1	0	1	3	3	5	1	7	2	0	4	42
Grundy	4	2	2	1	4	2	2	1	2	2	2	0	1	4	4	6	39
Guthrie	4	3	3	0	3	2	4	1	5	3	4	3	1	6	3	8	53
Hamilton	1	3	1	5	1	3	1	2	1	5	2	3	6	1	1	5	41
Hancock	2	2	3	2	1	3	2	3	3	5	0	3	3	5	3	1	41
Hardin	12	4	6	2	6	5	1	1	3	4	3	2	4	5	4	9	71
Harrison	2	3	1	4	5	4	3	6	4	2	8	3	9	3	4	3	64
Henry	3	6	6	7	0	1	3	7	2	3	7	1	8	2	3	3	62
Howard	4	2	2	1	3	3	3	5	2	1	2	0	3	3	1	0	35
Humboldt	1	4	3	7	2	3	0	2	2	1	0	4	1	5	5	1	41
Ida	3	2	1	1	1	2	3	7	3	2	0	4	3	3	4	2	41
Iowa	3	5	1	2	3	2	3	2	3	2	2	3	1	1	3	3	39
Jackson	4	8	3	6	2	5	2	2	3	2	2	5	4	9	11	4	72
Jasper	5	14	11	5	13	4	8	5	6	12	7	8	9	8	12	11	138

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Jefferson	5	2	2	4	2	2	4	1	7	3	4	2	4	2	4	0	48
Johnson	11	8	7	13	11	16	8	11	11	13	6	6	13	11	12	6	163
Jones	4	9	6	4	1	5	6	4	3	5	5	3	7	1	3	6	72
Keokuk	7	5	5	4	2	4	0	6	5	4	6	6	3	4	4	2	67
Kossuth	7	1	2	2	5	6	8	7	3	11	3	4	4	4	3	4	74
Lee	7	19	7	7	5	6	7	17	10	4	8	6	15	11	8	12	149
Linn	30	25	22	24	28	19	25	29	17	26	23	23	22	21	29	32	395
Louisa	11	4	4	1	1	4	1	0	5	2	5	1	1	5	2	0	47
Lucas	1	5	2	1	5	1	7	4	0	1	3	0	2	5	1	1	39
Lyon	4	2	0	0	2	5	2	3	5	3	1	7	1	3	5	3	46
Madison	8	2	4	5	4	3	3	8	2	5	5	3	3	3	4	6	68
Mahaska	10	6	4	7	12	7	4	5	7	4	4	3	5	4	4	4	90
Marion	11	8	7	11	9	11	6	5	6	14	7	8	8	8	11	6	136
Marshall	13	10	7	13	10	10	7	10	8	6	9	12	9	5	9	11	149
Mills	2	4	5	0	3	7	3	1	2	2	2	2	1	1	4	2	41
Mitchell	0	0	2	2	1	4	8	1	4	2	3	6	2	4	6	7	52
Monona	3	3	5	6	2	3	5	3	1	5	2	3	4	3	0	3	51
Monroe	2	3	0	4	3	1	4	1	3	1	6	3	1	2	0	7	41
Montgomery	3	1	7	5	7	6	6	1	5	2	3	3	1	3	6	1	60
Muscatine	10	11	2	4	13	5	5	12	8	8	12	6	8	10	9	5	128
O'Brien	3	2	2	7	7	3	0	4	8	9	6	2	3	6	6	2	70
Osceola	1	0	1	1	0	1	3	0	2	1	5	0	3	1	1	3	23
Page	6	2	3	7	4	5	2	5	3	5	7	2	4	6	3	4	68
Palo Alto	5	4	1	0	2	1	4	1	1	1	2	5	0	2	4	5	38
Plymouth	5	5	1	3	2	3	5	0	4	2	2	3	4	6	5	2	52
Pocahontas	0	3	1	1	1	6	1	2	0	2	0	1	0	8	1	4	31
Polk	68	57	70	71	82	68	72	88	60	78	61	74	51	58	71	80	1109
Pottawattamie	13	16	13	15	21	13	21	22	14	16	17	11	15	19	16	14	256
Poweshiek	6	7	6	4	6	3	6	7	7	3	5	3	5	6	2	6	82
Ringgold	2	3	0	2	1	1	1	0	3	2	2	5	1	0	0	1	24
Sac	3	3	5	5	3	5	3	2	1	2	4	1	4	4	8	4	57
Scott	18	27	32	21	14	14	27	13	34	27	19	21	24	25	24	22	362
Shelby	4	2	5	2	3	6	2	4	0	3	4	9	6	3	3	6	62
Sioux	5	5	9	5	4	3	7	3	2	6	5	7	5	8	7	10	91
Story	5	5	14	7	17	16	9	7	11	8	13	5	14	14	14	13	172
Tama	3	4	2	2	4	8	6	1	2	12	5	4	1	6	4	4	68
Taylor	3	0	1	1	2	2	3	4	0	1	1	1	1	5	1	2	28
Union	6	3	4	1	3	3	5	6	6	0	3	4	4	5	6	3	62
Van Buren	5	1	5	1	1	3	5	2	2	6	2	2	1	1	1	2	40
Wapello	12	12	6	10	8	9	10	6	9	7	4	8	15	7	14	12	149
Warren	5	6	4	8	4	8	7	9	3	7	7	9	9	8	9	4	107
Washington	4	10	5	5	5	7	4	9	8	3	6	9	4	3	5	7	94
Wayne	4	1	1	2	2	1	0	0	3	2	4	2	3	2	8	4	39
Webster	5	18	13	13	13	10	13	12	8	6	11	7	10	9	14	12	174
Winnebago	5	2	4	5	5	1	1	4	1	3	2	2	4	3	4	3	49
Winneshiek	6	4	6	0	4	6	2	6	7	2	11	2	2	5	5	5	73
Woodbury	14	21	21	14	18	14	29	18	14	21	15	15	27	12	18	29	300
Worth	5	3	1	5	1	3	0	0	0	2	1	2	1	2	2	2	30
Wright	2	2	7	3	7	3	2	4	1	5	6	2	0	6	4	8	62
State of Iowa	610	603	559	551	598	549	587	594	535	582	580	536	572	601	629	652	9338

Table 3. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Adair	0	0	1	1	3	1	2	1	2	3	0	1	2	0	2	1	20
Adams	0	0	1	1	0	0	1	1	0	0	0	2	1	0	0	0	7
Allamakee	0	2	2	0	1	1	1	2	5	4	3	2	1	2	0	3	29
Appanoose	3	1	1	1	2	3	4	2	2	2	0	4	0	4	1	3	33
Audubon	0	2	0	3	2	1	1	1	0	1	1	1	0	1	2	0	16
Benton	6	1	5	1	3	4	1	4	3	3	5	1	2	2	1	1	43
Black Hawk	11	12	18	14	12	12	13	16	16	14	16	17	15	12	15	13	226
Boone	7	1	4	1	3	3	1	3	3	3	4	3	2	3	0	4	45
Bremer	2	7	1	2	1	3	3	0	3	0	2	3	2	0	1	4	34
Buchanan	4	2	3	4	3	4	1	2	2	1	2	7	1	2	3	3	44
Buena Vista	2	1	4	1	2	0	1	2	1	2	3	5	2	0	1	0	27
Butler	1	1	1	1	1	2	2	2	3	3	2	1	2	0	1	0	23
Calhoun	1	1	2	2	2	1	2	1	3	0	0	2	1	4	1	1	24
Carroll	3	2	4	2	3	3	6	2	2	2	1	2	3	2	2	3	42
Cass	3	0	0	0	2	1	2	1	2	5	1	1	5	1	1	2	27
Cedar	2	2	0	2	4	1	2	1	2	4	2	4	2	1	3	0	32
Cerro Gordo	7	6	6	3	5	5	6	3	9	4	9	2	5	8	4	4	86
Cherokee	3	1	3	4	4	1	0	0	3	2	2	1	1	1	1	1	28
Chickasaw	0	4	1	2	1	1	0	2	3	1	2	1	1	0	0	2	21
Clarke	1	0	3	1	2	1	2	2	2	0	0	1	0	3	0	2	20
Clay	1	2	1	0	0	1	1	0	0	1	1	2	2	0	3	3	18
Clayton	1	1	2	5	5	2	0	2	3	4	4	3	2	0	4	3	41
Clinton	7	7	7	4	2	6	3	5	9	11	6	11	6	6	9	7	106
Crawford	2	0	2	2	2	3	3	0	0	1	2	1	2	2	0	2	24
Dallas	5	3	3	7	10	2	5	3	4	4	4	2	3	7	4	3	69
Davis	1	0	2	4	0	0	0	0	0	1	0	0	1	0	4	2	15
Decatur	0	0	4	2	2	0	0	1	1	1	3	0	0	0	0	0	14
Delaware	2	4	1	0	5	1	1	1	3	2	2	3	5	0	1	0	31
Des Moines	5	12	9	3	8	6	6	5	12	7	2	3	5	7	6	4	100
Dickinson	0	2	1	1	1	2	1	3	1	7	3	1	5	1	1	0	30
Dubuque	8	7	9	12	11	6	9	11	12	5	9	7	12	8	6	10	142
Emmet	1	2	0	1	1	2	1	1	1	0	1	4	0	0	1	8	24
Fayette	0	2	3	1	4	2	3	2	7	2	3	1	3	4	6	3	46
Floyd	6	1	2	2	3	1	2	1	4	0	3	0	1	2	3	0	31
Franklin	1	1	1	0	0	3	0	0	2	1	1	1	0	0	2	1	14
Fremont	1	2	0	1	1	1	3	2	1	1	1	2	0	0	0	0	16
Greene	0	1	1	2	0	1	3	1	4	1	2	1	3	1	0	4	25
Grundy	2	4	1	0	1	1	2	3	0	2	3	2	1	1	0	2	25
Guthrie	0	3	1	3	0	2	2	1	0	3	3	2	2	3	1	3	29
Hamilton	3	2	3	2	5	1	4	4	3	3	3	3	0	1	1	0	38
Hancock	1	1	1	2	2	0	1	3	2	1	1	3	1	0	1	2	22
Hardin	0	3	0	1	0	1	0	1	2	1	2	1	0	6	0	1	19
Harrison	2	1	2	0	3	0	2	2	1	2	1	3	1	3	4	1	28
Henry	0	2	2	4	2	2	4	3	1	0	1	7	3	1	6	1	39
Howard	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	7
Humboldt	1	4	3	1	0	0	1	0	2	0	1	3	0	3	0	3	22
Ida	0	0	1	2	1	1	1	1	0	0	0	3	1	1	0	1	13
Iowa	3	2	1	1	4	1	1	1	2	3	1	1	0	1	0	2	24
Jackson	2	1	3	3	3	3	2	1	3	2	2	4	2	3	4	1	39
Jasper	1	4	2	2	7	4	4	3	3	6	4	3	3	2	1	5	54

Table 3. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Jefferson	3	2	3	0	1	6	0	2	2	2	1	2	2	0	0	2	28
Johnson	7	11	8	7	10	9	3	11	12	10	14	7	4	6	11	8	138
Jones	1	4	1	2	1	8	4	2	3	1	4	1	2	1	2	4	41
Keokuk	1	2	3	4	1	2	1	0	2	1	2	0	1	2	3	1	26
Kossuth	2	0	1	0	0	2	2	0	4	1	1	1	3	3	2	2	24
Lee	4	8	6	2	6	3	2	2	6	5	7	4	4	4	4	4	71
Linn	12	22	22	17	25	24	20	30	28	27	16	19	13	20	22	20	337
Louisa	4	1	0	2	1	4	1	3	3	1	3	6	1	0	3	0	33
Lucas	2	3	1	3	1	1	2	3	4	1	0	2	0	2	1	4	30
Lyon	0	0	1	1	1	1	1	0	1	2	0	4	3	0	0	5	20
Madison	3	1	1	1	0	0	2	1	0	2	1	4	1	3	1	1	22
Mahaska	0	3	2	3	0	4	2	2	1	5	2	2	7	1	2	2	38
Marion	7	1	1	2	2	3	5	2	7	6	3	6	6	2	3	5	61
Marshall	5	9	3	6	4	6	1	6	6	12	5	5	6	7	5	3	89
Mills	3	3	2	0	1	2	0	2	1	0	1	0	2	1	3	1	22
Mitchell	0	1	1	2	2	2	4	0	0	0	1	0	4	1	2	2	22
Monona	2	1	1	1	0	2	0	2	0	4	1	1	0	0	0	1	16
Monroe	3	0	1	0	0	3	2	0	1	0	0	1	0	2	0	1	14
Montgomery	3	2	2	2	0	1	4	1	2	3	2	2	3	5	0	3	35
Muscatine	5	7	6	5	4	8	2	4	7	5	4	3	6	7	2	1	76
O'Brien	3	1	1	2	3	4	0	0	0	2	3	1	2	3	0	0	25
Osceola	1	1	1	0	1	1	1	1	1	3	2	0	0	0	2	1	16
Page	4	0	0	3	3	1	2	1	0	3	0	2	1	0	2	1	23
Palo Alto	1	0	1	0	0	0	0	2	0	2	0	0	1	2	3	0	12
Plymouth	4	0	0	2	3	3	2	2	6	2	3	1	3	2	0	0	33
Pocahontas	0	1	0	0	3	2	1	2	1	0	2	2	0	2	3	1	20
Polk	34	47	44	25	46	49	46	51	42	42	50	31	47	46	40	40	680
Pottawattamie	16	11	9	16	10	13	11	11	16	8	12	12	11	10	9	13	188
Poweshiek	1	1	4	1	1	1	3	3	2	0	0	2	4	3	2	2	30
Ringgold	1	0	1	0	2	3	0	0	0	1	1	1	0	0	0	0	10
Sac	3	3	1	1	0	2	2	1	1	3	0	0	0	1	2	1	21
Scott	22	21	13	21	17	13	19	16	31	27	20	22	28	13	25	36	344
Shelby	2	0	1	1	2	4	1	2	1	1	2	2	2	0	2	2	25
Sioux	1	1	2	0	1	1	0	2	1	2	3	3	2	0	0	0	19
Story	8	7	5	3	5	6	6	5	8	5	6	6	3	9	4	3	89
Tama	6	4	5	0	1	0	1	2	2	3	3	3	5	3	3	1	42
Taylor	2	0	0	0	1	3	3	2	3	1	2	2	2	1	0	1	23
Union	1	1	5	2	2	3	1	0	3	0	1	3	1	1	1	2	27
Van Buren	0	0	1	0	1	0	1	2	0	4	3	1	4	0	0	1	18
Wapello	7	7	6	2	2	4	4	3	5	7	5	5	7	7	4	4	79
Warren	7	3	2	5	3	3	6	3	5	3	5	5	1	3	2	5	61
Washington	2	2	4	7	1	2	3	1	3	1	3	1	3	0	2	1	36
Wayne	0	0	1	3	1	1	0	1	1	2	1	1	0	0	0	0	12
Webster	5	2	1	6	6	7	7	5	6	11	3	5	3	10	7	4	88
Winnebago	2	0	1	1	0	1	0	2	2	1	2	1	1	1	2	0	17
Winneshiek	0	1	3	2	5	3	2	2	3	3	3	3	2	0	4	2	38
Woodbury	19	4	11	7	12	9	12	12	14	12	7	17	10	11	11	9	177
Worth	4	2	0	0	1	0	3	0	0	1	0	2	1	2	0	0	16
Wright	1	1	1	3	1	2	3	1	2	2	0	3	0	1	0	2	23
State of Iowa	336	322	318	287	334	336	314	317	398	366	335	346	326	308	303	321	5267

Table 4. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Adair	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Adams	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	1	0	0	0	0	0	0	1	2
Appanoose	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	4
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	0	0	0	0	0	0	1	0	3	1	0	0	0	0	1	1	7
Black Hawk	3	4	8	0	5	6	3	3	0	1	3	2	6	4	10	4	62
Boone	0	0	1	1	0	0	0	0	1	0	0	2	1	0	1	2	9
Bremer	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	4
Buchanan	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	4
Buena Vista	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	3
Butler	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
Carroll	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2
Cass	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0	4
Cedar	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4
Cerro Gordo	0	1	2	0	1	0	0	2	0	1	0	2	0	3	1	0	13
Cherokee	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
Clarke	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2
Clay	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Clayton	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	3
Clinton	0	0	0	2	0	1	1	2	0	4	3	0	0	1	9	1	24
Crawford	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	4
Dallas	3	0	0	0	3	0	2	1	1	0	0	1	0	1	1	0	13
Davis	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	3
Decatur	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	4
Delaware	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Des Moines	1	1	1	1	2	2	2	0	0	1	0	1	3	3	0	4	22
Dickinson	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	3
Dubuque	1	1	0	2	3	0	0	0	1	0	1	0	1	0	1	1	12
Emmet	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
Floyd	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Franklin	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	3
Fremont	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	4
Greene	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
Guthrie	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hamilton	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
Hancock	0	0	1	0	0	0	0	0	0	0	2	0	0	1	1	0	5
Hardin	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	5
Harrison	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3
Henry	0	0	0	1	0	0	1	0	0	1	0	2	4	0	2	2	13
Howard	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
Jackson	0	0	0	0	0	1	0	0	1	0	1	1	1	0	1	1	7
Jasper	0	1	0	0	0	0	2	3	0	3	1	1	2	2	0	0	15

Table 4. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1995
Jefferson	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	3
Johnson	3	1	1	0	7	1	0	2	0	0	4	1	0	0	2	0	22
Jones	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2
Keokuk	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	3
Kossuth	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	3
Lee	1	0	0	0	5	0	1	0	0	0	2	1	1	3	2	2	18
Linn	4	5	3	4	5	2	5	1	3	2	2	7	6	4	3	3	59
Louisa	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Lucas	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	3
Lyon	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Madison	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	4
Mahaska	0	0	0	0	1	1	0	1	1	0	1	0	1	1	0	0	7
Marion	1	0	1	1	0	2	0	0	0	1	1	0	0	1	0	1	9
Marshall	0	1	1	0	0	1	1	0	2	0	0	1	0	2	1	1	11
Mills	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	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	1	0	0	1
Monroe	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	4
Montgomery	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Muscatine	2	1	1	3	0	0	0	1	1	2	4	0	0	3	1	1	20
O'Brien	0	1	0	0	1	1	0	0	0	0	1	0	0	0	1	0	5
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	3	8
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pocahontas	0	0	0	0	1	0	1	0	0	0	0	0	0	2	1	0	5
Polk	23	20	12	11	12	18	15	15	19	21	13	18	13	17	13	19	259
Pottawattamie	4	5	2	2	4	2	1	4	2	4	0	4	4	1	1	5	45
Poweshiek	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	1	1
Sac	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1	4
Scott	9	8	6	3	2	3	5	3	5	2	6	9	6	5	8	9	89
Shelby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Sioux	1	0	0	1	2	0	0	0	0	1	1	0	0	0	0	0	6
Story	0	0	1	2	1	0	0	0	2	2	1	1	0	0	0	0	10
Tama	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	3	7
Taylor	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	3
Union	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	3
Van Buren	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2
Wapello	1	1	0	1	1	0	0	1	3	0	0	1	1	1	2	0	13
Warren	0	0	4	2	1	0	1	0	1	0	1	1	0	1	0	0	12
Washington	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	1	1	0	0	0	0	0	2
Webster	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
Winneshiek	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Woodbury	3	4	3	3	7	1	6	1	3	4	0	2	6	2	4	1	50
Worth	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	1	0	0	0	1	0	0	2
State of Iowa	66	64	60	49	76	52	55	53	58	62	58	74	69	68	80	78	1022

Deaths Due to Suicide

Iowa recorded 336 suicides in 1995, a number substantially greater than the 1992 low of 287 (Table 3, Figure 1) and exceeded only in three years (1984, 1986, 1987) since 1980. Polk and Scott were the only counties with at least 20 suicides in 1995. A large majority (81) of the counties had five or fewer; of these, 21 had no suicides in 1995.

A total of 5,267 Iowans committed suicide from 1980 through 1995. 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 16 years.

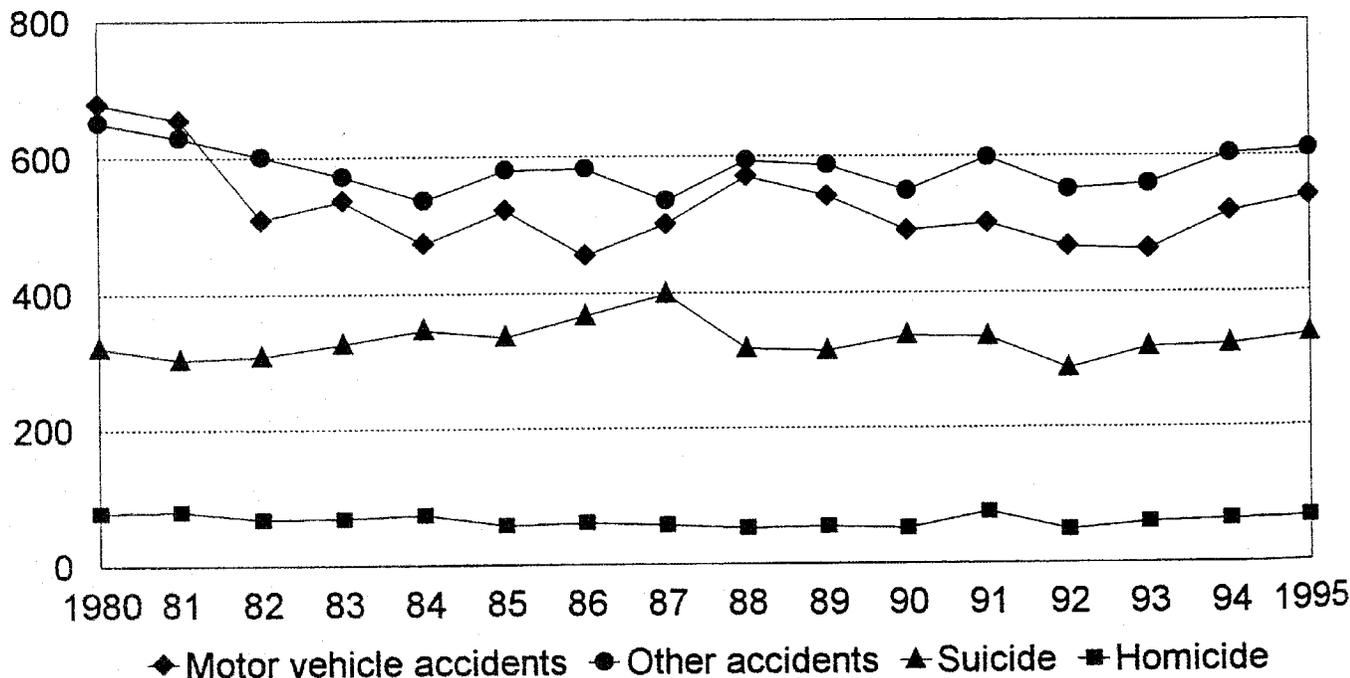
Deaths Due to Homicide

There were more homicides in Iowa in 1995 (66) than in 9 of the other 15 years reported (Table 4, Figure 1); the highest number was 80 in 1981. More than three-fourths (78) of Iowa's counties had no homicides in 1995 and another 12 counties had only one. Polk (23) had the most, while Scott was the only other one with at least five homicides in 1995.

From 1980 through 1995, 1,022 Iowans died by homicide. Of these, 259 were Polk residents, 89 were from Scott, 62 from Black Hawk, 59 from Linn, and 50 from Woodbury. These five counties accounted for half (50.8%) of all of Iowa's homicides during these 15 years. Eleven counties had no homicides from 1980 to 1995, while 29 counties had one or two residents who died in this manner.

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, 1980-1995.



Injuries and Fatalities on Farms in Iowa's Counties:

1990-1995

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Liu Dong Wang, Iowa State University
Ma En-hua, Iowa State University
Sandra Charvat Burke, Iowa State University
Mary Harlan, Iowa Department of Public Health
Dale Anthony, Iowa Department of Public Health

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 1995, 2,176 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 1994-1995. A total of 12,359 farm injuries were related to work in the six years studied. Fewer work-related injuries were counted in 1995 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 1995 total of 316 was the second lowest in these six years.

Buchanan, Sioux, and Winneshiek were the only counties listing at least 400 farm-related injuries from 1990 through 1995. Another six (Black Hawk, Crawford, Dubuque, Fayette, Lee, Poweshiek) noted 300-399. Of the 35 counties where injuries totaled less than 100 in the 1990-1995 period, 10 had fewer than 50.

In the six years examined, work-related injuries on farms ranged from fewer than 50 in 16 counties to more than 250 in eight (Buchanan, Crawford, Dubuque, Fayette, Poweshiek, Sioux, Washington, Winneshiek). Eleven counties reported more than 50 leisure-related injuries during the six-year period; 25 counties had fewer than 10 such injuries.

Fatalities on Farms

In 1995, 54 farm-related fatalities occurred in Iowa. Of the 43 counties that had fatalities, 11 reported two fatalities while the other 32 had one each. Fifty-six counties had no fatalities that were related to farms in 1995.

From 1990 through 1995, 407 farm-related deaths took place in the state. Only O'Brien had no farm-related fatalities. Three counties (Clayton, Jackson, Pottawattamie) had more than 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, 1990-1995.

County	Total Injuries							Work-Related Injuries ^a							Leisure-Related Injuries ^a							Total Fatalities						
	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995
Adair	5	9	9	29	37	12	101	4	8	8	24	30	12	86	1	1	1	5	7	0	15	0	1	1	1	1	0	4
Adams	19	20	22	33	17	32	143	16	14	17	28	11	26	112	2	6	5	5	6	6	30	1	0	0	2	0	0	3
Allamakee	40	27	37	32	55	20	211	31	24	36	24	39	17	171	7	3	1	8	16	3	38	0	0	0	0	2	1	3
Appanoose	9	3	9	24	5	4	54	8	3	5	10	5	4	35	1	0	4	14	0	0	19	1	0	0	0	0	2	3
Audubon	10	24	10	20	5	7	76	10	23	7	15	4	7	66	0	1	3	5	1	0	10	0	1	0	2	0	0	3
Benton	15	13	16	59	11	19	133	11	11	14	46	10	16	108	3	2	2	13	1	3	24	1	2	1	0	0	1	5
Black Hawk	61	74	34	91	59	8	327	41	55	24	55	43	7	225	20	19	10	36	16	1	102	0	0	1	1	1	2	5
Boone	12	10	14	7	22	10	75	10	8	13	7	19	10	67	1	2	1	0	3	0	7	0	0	1	1	0	0	2
Bremer	41	44	24	53	43	29	234	37	34	23	43	36	25	198	3	10	1	10	7	4	35	0	2	0	2	0	0	4
Buchanan	91	91	70	105	56	40	453	67	71	51	77	46	32	344	17	20	19	28	10	8	102	2	1	1	1	0	0	5
Buena Vista	6	3	2	8	4	17	40	6	1	2	6	4	17	36	0	2	0	2	0	0	4	1	0	0	1	0	0	2
Butler	40	30	15	23	28	30	166	33	26	13	20	22	26	140	9	4	2	3	6	4	28	1	0	0	1	0	0	2
Calhoun	1	16	14	7	7	18	63	0	13	12	6	7	17	55	1	3	2	1	0	1	8	0	0	1	0	2	0	3
Carroll	22	26	9	16	5	26	104	19	24	9	12	4	23	91	1	2	0	4	1	3	11	1	0	1	0	0	0	2
Cass	26	27	33	30	40	42	198	21	27	31	25	34	39	177	4	0	2	5	6	3	20	1	1	0	0	1	2	5
Cedar	16	15	14	24	15	18	102	15	10	11	20	14	17	87	1	5	3	4	1	1	15	0	3	0	0	0	0	3
Cerro Gordo	4	1	4	18	6	13	46	4	0	3	14	6	12	39	0	1	1	4	0	1	7	1	0	0	1	0	0	2
Cherokee	24	32	7	5	2	7	77	17	27	7	4	1	7	63	7	5	0	1	1	0	14	2	0	0	0	1	3	6
Chickasaw	12	12	28	25	27	17	121	10	11	27	20	23	15	106	1	1	1	5	4	2	14	0	0	0	1	1	1	3
Clarke	17	20	15	26	3	6	87	13	18	9	17	1	5	63	3	2	6	9	2	1	23	0	1	0	1	3	2	7
Clay	16	4	23	18	15	13	89	15	4	21	17	13	11	81	1	0	2	1	2	2	8	0	0	2	1	0	0	3
Clayton	26	29	35	42	37	14	183	25	28	30	38	31	14	166	1	1	5	4	6	0	17	1	2	2	5	4	1	15
Clinton	16	15	23	27	8	27	116	14	14	21	24	7	24	104	0	1	2	3	1	3	10	1	1	1	0	2	1	6
Crawford	32	37	53	45	76	89	332	25	35	53	45	59	67	284	1	2	0	0	17	20	40	1	1	1	3	0	2	8
Dallas	3	7	11	11	4	4	40	3	5	10	8	4	4	34	0	2	1	3	0	0	6	0	0	1	0	0	0	1
Davis	18	24	24	37	32	14	149	17	24	22	31	27	13	134	0	0	2	6	5	1	14	2	1	0	1	1	2	7
Decatur	2	6	9	9	10	18	54	1	6	8	7	9	18	49	1	0	1	2	1	0	5	0	2	2	1	1	0	6
Delaware	23	18	18	37	33	44	173	19	16	15	34	31	44	159	2	2	3	3	2	0	12	0	2	0	2	3	2	9
Des Moines	12	2	11	14	11	6	56	12	2	9	13	10	5	51	0	0	2	1	1	1	5	1	0	2	2	0	1	6
Dickinson	6	7	6	13	4	15	51	4	4	6	12	4	14	44	1	3	0	1	0	1	6	0	0	1	0	0	1	2
Dubuque	38	53	75	71	72	78	387	35	48	64	62	67	70	346	3	5	11	9	5	8	41	1	2	0	0	1	2	6
Emmet	15	19	1	7	22	21	85	11	15	1	6	17	19	69	1	4	0	1	5	2	13	0	2	0	0	1	0	3
Fayette	61	73	72	84	51	41	382	51	57	66	71	40	37	322	7	16	6	13	11	4	57	1	0	1	1	0	2	5

^aWork-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, 1990-1995 (continued).

County	Total Injuries							Work-Related Injuries							Leisure-Related Injuries							Total Fatalities						
	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995
Floyd	13	16	24	17	27	19	116	13	16	16	11	15	15	86	0	0	8	6	12	4	30	0	1	0	2	0	0	3
Franklin	22	17	13	13	16	13	94	18	17	12	11	16	13	87	2	0	1	2	0	0	5	2	2	0	0	1	0	5
Fremont	4	18	13	10	8	11	64	1	17	10	7	6	9	50	0	1	3	3	2	2	11	0	2	2	0	0	0	4
Greene	8	14	24	41	27	36	150	7	14	24	39	26	33	143	0	0	0	2	1	3	6	1	0	0	1	1	0	3
Grundy	21	22	6	13	30	17	109	18	20	5	12	24	16	95	3	2	1	1	6	1	14	1	0	0	0	0	0	1
Guthrie	4	14	11	25	16	13	83	4	13	10	22	16	12	77	0	1	1	3	0	1	6	0	0	0	1	0	0	1
Hamilton	5	7	11	16	26	3	68	5	6	10	14	16	2	53	0	1	1	2	10	1	15	0	0	1	0	1	0	2
Hancock	25	14	24	35	33	34	165	22	13	23	32	33	29	152	3	1	1	3	0	5	13	0	0	1	0	0	1	2
Hardin	14	19	18	13	26	22	112	14	18	18	11	18	20	99	0	1	0	2	8	2	13	2	0	0	0	1	0	3
Harrison	26	38	34	32	9	7	146	19	33	31	26	7	7	123	6	5	3	6	2	0	22	0	1	0	0	0	1	2
Henry	19	13	4	18	22	18	94	14	12	3	16	17	18	80	2	1	1	2	5	0	11	2	0	0	3	2	0	7
Howard	29	35	37	55	41	9	206	22	32	35	47	38	8	182	7	3	2	8	3	1	24	0	0	1	0	2	0	3
Humboldt	60	66	79	56	20	4	285	47	47	66	42	17	4	223	13	19	13	14	3	0	62	0	0	0	0	0	1	1
Ida	4	1	4	22	11	6	48	4	0	4	22	10	5	45	0	1	0	0	1	1	3	0	0	0	0	0	1	1
Iowa	39	22	41	44	54	43	243	29	18	39	36	44	38	204	6	4	2	8	10	5	35	0	0	0	0	0	2	2
Jackson	10	18	27	23	15	35	128	6	16	19	14	13	34	102	4	2	8	9	2	1	26	1	1	1	4	5	2	14
Jasper	28	34	17	39	33	36	187	20	28	13	37	30	29	157	7	6	4	2	3	6	28	0	2	0	4	1	0	7
Jefferson	24	32	36	29	45	23	189	16	28	27	22	32	19	144	8	4	9	7	13	4	45	1	1	0	1	0	0	3
Johnson	37	34	38	66	41	45	261	22	21	32	41	38	41	195	15	13	6	25	3	4	66	0	1	0	2	0	1	4
Jones	11	32	22	20	28	37	150	11	28	19	18	26	37	139	0	4	3	2	2	0	11	1	1	3	0	1	1	7
Keokuk	27	36	46	51	36	42	238	24	32	40	45	28	36	205	2	4	6	6	8	6	32	0	2	1	0	0	0	3
Kossuth	19	16	21	14	28	27	125	18	16	19	13	22	25	113	0	0	2	1	6	2	11	1	0	1	1	1	2	6
Lee	55	58	60	55	57	23	308	40	40	32	34	36	17	199	14	18	28	21	21	6	108	0	0	1	0	0	1	2
Linn	12	19	7	69	19	19	145	9	19	7	35	15	17	102	3	0	0	34	4	1	42	1	1	0	1	0	1	4
Louisa	10	9	7	10	5	5	46	6	9	6	9	5	5	40	3	0	1	1	0	0	5	1	0	0	1	0	0	2
Lucas	9	12	3	4	12	3	43	9	12	3	3	11	3	41	1	0	0	1	1	0	3	0	1	1	0	0	0	2
Lyon	12	24	25	14	21	24	120	12	19	25	14	21	24	115	0	5	0	0	0	0	5	0	0	0	0	2	1	3
Madison	12	33	7	17	20	7	96	7	19	7	9	15	5	62	5	14	0	8	5	2	34	1	0	0	0	3	0	4
Mahaska	29	42	38	48	25	15	197	23	31	31	39	25	13	162	5	11	7	9	0	2	34	0	0	0	1	0	1	2
Marion	24	22	28	15	23	9	121	21	19	25	14	21	9	109	2	3	3	1	2	0	11	2	2	1	0	2	3	10
Marshall	58	47	24	32	22	12	195	52	41	22	26	21	12	174	5	6	2	6	1	0	20	0	3	0	1	0	1	5
Mills	5	2	7	12	23	7	56	1	2	6	11	21	6	47	1	0	1	1	2	1	6	0	0	0	0	1	0	1
Mitchell	19	7	11	28	23	. ^b	88 ^c	19	6	11	26	20	. ^b	82 ^c	0	1	0	2	3	. ^b	6 ^c	0	0	1	2	0	. ^b	3 ^c

^bNot available. ^cIncludes data for all years available.

Table 1. Farm-Related Injuries and Fatalities in Iowa Counties, 1990-1995 (continued).

County	Total Injuries							Work-Related Injuries							Leisure-Related Injuries							Total Fatalities						
	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995	1995	1994	1993	1992	1991	1990	1990-1995
Monona	8	12	8	2	40	9	79	5	12	8	2	27	8	62	3	0	0	0	13	1	17	0	0	2	0	0	2	4
Monroe	15	9	31	34	45	30	164	10	7	28	30	37	26	138	5	2	3	4	8	3	25	2	0	0	0	1	1	4
Montgomery	7	10	1	29	25	15	87	5	8	1	24	22	15	75	1	2	0	5	3	0	11	0	0	0	2	1	0	3
Muscatine	19	16	14	25	12	11	97	18	16	12	21	12	9	88	1	0	2	4	0	2	9	1	2	1	0	0	0	4
O'Brien	39	31	47	40	50	42	249	33	24	39	38	42	39	215	6	7	8	2	8	3	34	0	0	0	0	0	0	0
Osceola	33	32	3	8	11	14	101	32	30	2	7	10	13	94	1	2	1	1	1	1	7	1	0	0	2	0	1	4
Page	5	26	28	21	13	23	116	5	20	23	19	12	15	94	0	6	5	2	1	8	22	0	0	1	0	0	0	1
Palo Alto	7	4	7	10	10	21	59	5	3	5	10	10	20	53	2	1	2	0	0	1	6	2	0	0	0	0	1	3
Plymouth	24	13	9	22	19	18	105	22	11	8	22	16	14	93	2	2	1	0	3	4	12	1	1	1	2	1	2	8
Pocahontas	21	15	13	16	11	18	94	19	14	12	15	10	15	85	0	1	1	1	1	3	7	0	0	0	0	0	2	2
Polk	2	5	6	10	3	4	30	2	3	4	7	3	3	22	0	2	2	3	0	0	7	0	0	2	0	0	1	3
Pottawattamie	21	24	35	48	40	25	193	14	24	32	35	35	17	157	2	0	3	13	5	8	31	1	1	3	5	3	4	17
Poweshiek	49	59	55	45	57	86	351	33	43	44	36	48	64	268	16	16	11	9	9	22	83	1	1	0	2	1	0	5
Ringgold	25	24	25	26	23	31	154	20	20	22	23	20	22	127	4	4	3	3	3	8	25	0	1	0	1	0	2	4
Sac	6	21	16	29	9	26	107	6	18	14	24	8	24	94	0	3	2	5	1	2	13	1	0	0	2	0	0	3
Scott	3	8	20	4	7	4	46	3	7	14	2	5	4	35	0	1	6	2	2	0	11	0	1	0	0	0	0	1
Shelby	15	12	13	12	28	43	123	13	12	13	12	27	38	115	2	0	0	0	1	5	8	2	1	0	0	1	3	7
Sioux	91	110	64	109	118	89	581	76	103	60	84	99	69	491	10	7	4	25	19	19	84	1	3	0	1	1	1	7
Story	15	6	16	47	31	19	134	11	6	15	42	28	18	120	4	0	1	5	3	1	14	0	0	2	1	1	0	4
Tama	54	54	23	48	49	17	245	42	43	18	42	41	14	200	11	11	5	6	8	3	44	2	1	0	0	3	1	7
Taylor	13	25	28	20	10	13	109	12	19	25	16	6	9	87	1	6	3	4	4	4	22	0	0	0	0	1	0	1
Union	2	6	13	10	16	12	59	2	4	12	8	10	11	47	0	2	1	2	6	1	12	0	1	0	0	0	0	1
Van Buren	17	28	26	41	32	33	177	15	24	20	34	26	29	148	2	4	6	7	6	4	29	1	0	0	0	1	1	3
Wapello	12	43	48	47	36	27	213	6	32	32	35	28	24	157	6	11	16	12	8	3	56	0	0	0	0	1	0	1
Warren	7	6	5	10	5	13	46	3	5	4	8	4	10	34	4	1	1	2	1	3	12	0	2	0	2	1	1	6
Washington	39	63	51	57	39	39	288	35	56	48	56	32	35	262	1	7	3	1	7	3	22	1	0	0	4	0	1	6
Wayne	29	37	37	35	69	15	222	16	24	29	25	51	13	158	7	13	8	10	18	2	58	0	1	0	0	0	0	1
Webster	11	22	38	83	12	2	168	11	15	29	68	8	2	133	0	7	9	15	4	0	35	0	2	1	2	0	0	5
Winnebago	2	1	4	22	11	10	50	2	1	3	19	8	9	42	0	0	1	3	3	1	8	0	0	2	1	2	0	5
Winneshiek	104	109	90	123	111	55	592	95	98	83	113	93	39	521	6	11	7	10	18	16	68	0	0	0	0	0	5	5
Woodbury	6	3	8	12	12	6	47	5	2	8	11	7	6	39	1	1	0	1	5	0	8	0	1	0	0	0	4	5
Worth	2	2	. ^b	4	3	4	15 ^c	2	2	. ^b	4	3	3	14 ^c	0	0	. ^b	0	0	1	1 ^c	0	0	. ^b	0	1	1	2 ^c
Wright	40	13	8	20	15	9	105	38	12	6	16	12	8	92	1	1	2	4	3	1	12	0	1	1	0	0	2	4
State of Iowa	2176	2433	2304	3075	2636	2166	14790	1774	2046	1971	2507	2181	1880	12359	316	387	333	568	455	277	2336	54	66	51	83	69	84	407

Marriages and Dissolutions in Iowa's Counties:

1980-1995

Sandra Charvat Burke, Iowa State University
Willis Goudy, Iowa State University
Michael Dare, Iowa Department of Public Health

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 are also included.

Marriages

Iowa recorded 22,573 marriages in 1995, 351 fewer than in 1994 (Table 1, Figure 1). This was the eleventh time since 1980 that there had been a decrease 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 1995, Polk's 2,957 marriages constituted the highest number in any county. Black Hawk, Linn, and Scott also had more than 1,000 marriages that year. Forty-two counties had fewer than 100 marriages in 1995, with the lowest numbers in Adair, Adams, Audubon, and Ringgold.

Fifty-two of the counties followed the state trend with fewer marriages in 1995 than in 1994. The greatest decline occurred in Polk (-155), the only county decreasing by more than 100 marriages; three others (Dubuque, Johnson, Woodbury) declined by at least 50. Only Muscatine (+100) increased by at least 50 marriages between 1994 and 1995.

More than 2,000 fewer marriages occurred in Iowa in 1995 than in 1985. Seventy-seven counties mirrored this trend. Four (Chickasaw, Clinton, Pottawattamie, Scott) had at least 100 fewer marriages in 1995 than in 1985. Increases occurred in 20 counties, with Madison (+69) gaining the most marriages when 1985 and 1995 were compared.

Dissolutions

There were 10,545 dissolutions in Iowa in 1995, 340 fewer than in 1994. Between 1980 and 1995 there were seven times when dissolutions increased compared with the previous year and eight 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.

Marriages and Dissolutions in Iowa's Counties:

1980-1995

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Table 1. Marriages in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	37	59	34	43	49	63	49	59	51	58	62	82	54	60	74	57
Adams	33	29	31	20	24	24	35	41	38	40	43	38	34	45	43	36
Allamakee	124	129	121	123	110	134	133	118	115	121	133	150	144	139	150	149
Appanoose	100	130	129	131	121	157	113	112	104	115	125	112	130	106	119	129
Audubon	31	42	49	47	45	48	48	65	54	42	49	71	82	74	70	64
Benton	141	150	174	159	150	156	157	153	168	178	160	169	163	158	189	190
Black Hawk	1002	974	1007	865	935	1074	1097	958	948	913	1044	1066	1130	1115	1144	1256
Boone	191	164	179	196	208	179	202	224	192	194	216	209	205	209	224	235
Bremer	173	160	182	183	162	169	203	186	196	167	175	209	206	198	191	224
Buchanan	138	140	162	159	178	174	174	165	141	147	183	170	220	206	213	216
Buena Vista	163	136	150	167	149	164	165	164	155	163	180	171	188	189	173	207
Butler	91	92	87	98	111	97	81	101	113	103	107	123	127	124	134	122
Calhoun	70	67	65	72	70	80	71	69	77	84	76	110	93	99	119	117
Carroll	170	178	155	155	147	189	191	177	187	167	163	206	232	247	214	240
Cass	119	114	109	122	119	150	141	141	117	126	145	181	162	181	187	160
Cedar	125	118	129	153	117	139	121	118	122	117	103	134	140	148	176	156
Cerro Gordo	371	365	347	375	384	406	371	346	327	357	375	361	388	448	395	411
Cherokee	95	96	94	94	125	94	107	112	102	105	105	124	139	152	164	136
Chickasaw	623	601	690	630	721	806	751	800	741	775	791	897	963	915	910	850
Clarke	65	68	55	53	67	59	73	53	54	48	58	64	94	66	56	72
Clay	111	103	110	127	130	162	123	159	119	104	132	143	149	149	178	144
Clayton	150	121	136	155	141	149	162	160	144	151	154	166	164	182	186	204
Clinton	414	461	400	437	464	447	591	677	454	454	554	571	540	624	553	560
Crawford	146	141	132	128	142	131	119	141	134	144	135	152	176	142	149	163
Dallas	265	237	230	175	219	229	228	208	213	216	227	248	252	206	250	230
Davis	60	61	66	72	58	57	69	53	61	73	57	72	68	85	74	68
Decatur	61	66	59	81	60	67	66	70	80	72	80	75	74	71	75	81
Delaware	135	132	118	127	116	137	149	159	162	146	140	162	162	177	141	191
Des Moines	377	366	380	427	460	487	572	532	425	415	402	491	449	516	477	457
Dickinson	147	152	141	149	158	130	147	133	136	111	135	150	153	133	144	122
Dubuque	806	879	796	865	875	888	938	968	887	864	894	920	886	966	917	949
Emmet	79	87	78	81	93	107	87	86	109	100	96	115	95	116	107	104
Fayette	147	132	156	169	160	193	185	175	157	177	185	182	181	225	219	201
Floyd	120	119	124	124	133	134	123	128	120	137	155	160	145	152	176	153
Franklin	69	71	75	70	89	73	73	78	80	60	87	100	89	92	116	79
Fremont	65	81	71	72	54	75	73	67	71	66	52	80	81	65	71	80
Greene	72	76	73	66	93	107	104	84	74	84	73	86	99	99	99	105
Grundy	69	82	80	60	72	76	91	83	62	82	92	101	94	102	90	91
Guthrie	85	80	82	85	82	106	87	98	85	92	75	92	92	98	97	112
Hamilton	123	136	123	143	124	129	148	126	132	127	125	146	158	181	146	170
Hancock	99	75	84	93	93	95	82	80	77	101	101	100	101	103	112	101
Hardin	150	145	153	140	137	136	153	150	135	174	172	207	174	172	195	195
Harrison	92	100	105	114	130	124	134	117	111	122	136	145	145	137	131	147
Henry	159	158	152	171	164	156	171	183	168	158	167	168	166	158	171	164
Howard	77	74	61	70	83	75	88	94	68	81	92	106	92	98	82	104
Humboldt	71	91	82	64	90	89	67	97	83	75	82	109	98	109	100	107
Ida	51	46	65	51	46	63	61	53	63	45	59	66	61	67	65	69
Iowa	81	104	90	123	110	129	106	113	85	87	102	118	134	116	145	138
Jackson	190	157	157	192	148	184	195	188	198	181	176	177	200	214	218	238
Jasper	271	269	264	264	260	289	271	289	295	273	298	296	290	319	307	344

Table 1. Marriages in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	136	129	140	171	150	158	155	159	142	139	144	170	184	198	156	144
Johnson	651	710	637	653	685	770	774	721	668	677	697	734	746	727	706	731
Jones	133	135	145	144	145	155	146	157	137	163	159	138	169	162	187	169
Keokuk	66	69	72	64	84	101	77	76	91	66	99	111	118	90	107	122
Kossuth	112	142	117	131	119	154	145	143	138	134	152	160	188	212	179	182
Lee	376	383	368	359	365	396	487	437	373	372	412	446	423	407	399	442
Linn	1394	1436	1471	1516	1493	1525	1519	1505	1386	1365	1453	1507	1436	1532	1588	1562
Louisa	76	83	61	82	76	69	92	96	85	93	91	101	89	97	107	74
Lucas	58	55	46	66	64	70	64	83	59	77	72	89	98	97	68	95
Lyon	80	61	86	87	71	77	78	78	81	91	90	101	102	120	117	116
Madison	135	103	126	97	82	97	101	91	87	79	66	104	108	103	96	100
Mahaska	170	201	175	202	195	189	201	194	183	167	179	202	212	214	213	201
Marion	237	227	252	239	251	326	258	242	249	259	246	272	266	279	283	296
Marshall	364	343	330	353	339	341	346	349	298	302	339	365	360	402	371	378
Mills	83	94	96	80	92	105	98	98	69	81	82	107	134	135	115	101
Mitchell	70	65	77	68	75	93	80	77	61	80	93	111	103	99	127	101
Monona	68	61	82	72	86	83	85	82	72	75	72	87	94	116	89	127
Monroe	72	83	72	63	68	73	61	65	61	67	77	76	81	77	85	83
Montgomery	93	96	104	100	113	99	97	106	90	84	103	101	141	111	117	105
Muscatine	422	322	410	355	402	421	429	373	340	415	383	375	412	444	454	398
O'Brien	96	111	107	109	97	120	124	113	88	107	119	112	122	139	149	139
Osceola	47	44	51	46	55	58	66	57	53	42	47	51	59	73	64	58
Page	108	130	146	130	111	144	107	136	136	136	137	163	148	170	136	154
Palo Alto	71	69	61	70	94	87	73	78	87	92	97	96	105	108	115	131
Plymouth	143	146	155	165	188	169	170	179	162	154	172	183	233	239	228	197
Pocahontas	49	42	54	54	56	57	70	76	82	51	84	95	96	93	79	94
Polk	2957	3112	3040	3013	3001	3217	3187	3108	2966	2928	2987	3130	3133	3114	3150	3118
Pottawattamie	751	787	731	772	819	938	894	877	877	901	961	1085	1192	1052	998	978
Poweshiek	123	132	129	149	143	154	143	121	111	137	141	152	141	146	148	169
Ringgold	34	45	43	30	39	39	36	44	29	37	44	58	51	57	49	60
Sac	106	82	77	71	93	94	101	82	89	76	110	109	97	96	117	118
Scott	1312	1300	1385	1391	1484	1354	1726	1910	1353	1427	1505	1483	1484	1483	1523	1614
Shelby	85	98	125	87	111	120	125	100	118	105	115	136	146	157	153	146
Sioux	216	229	231	203	222	221	208	223	225	225	246	245	214	250	247	277
Story	464	510	496	517	468	490	513	511	491	475	527	530	538	573	566	589
Tama	108	107	112	127	122	143	144	125	121	125	131	134	174	138	142	139
Taylor	43	48	58	52	50	55	50	50	47	48	43	67	70	62	71	60
Union	108	112	93	115	123	113	121	98	99	108	101	101	112	120	121	164
Van Buren	57	69	47	57	53	56	57	53	55	46	55	49	62	52	73	87
Wapello	330	320	334	351	363	365	317	353	309	353	369	392	365	424	409	396
Warren	293	281	291	307	292	333	304	273	260	278	288	284	315	316	311	329
Washington	160	158	157	153	153	137	140	146	152	145	135	176	187	165	181	162
Wayne	51	48	55	47	47	51	56	57	63	50	43	75	60	64	57	73
Webster	318	333	313	323	330	354	345	372	338	371	365	411	417	442	405	407
Winnebago	92	95	73	94	99	87	74	90	95	90	100	114	116	116	106	113
Winneshek	158	149	149	158	130	180	158	147	171	160	151	184	170	188	204	185
Woodbury	752	815	716	761	714	760	752	738	674	705	802	844	812	758	843	883
Worth	51	45	45	51	48	66	63	48	63	62	54	74	75	71	69	57
Wright	90	95	89	84	97	81	104	82	88	99	112	125	149	148	139	152
State of Iowa	22573	22924	22822	23129	23533	24931	25267	25090	23062	23311	24578	26366	26769	27189	27153	27474

Table 2. Dissolutions in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	24	27	26	30	21	30	24	22	26	26	27	39	26	24	20	34
Adams	15	16	20	14	18	18	11	15	17	23	17	9	27	11	20	11
Allamakee	33	32	52	44	31	26	38	24	30	32	43	33	32	25	43	29
Appanoose	61	53	53	67	64	54	66	62	34	56	51	55	66	82	50	59
Audubon	17	22	18	20	15	23	10	22	15	19	14	21	17	20	29	22
Benton	55	81	66	64	80	68	81	79	65	53	58	45	45	50	63	39
Black Hawk	400	405	490	553	496	493	523	514	476	496	512	564	560	539	670	671
Boone	95	120	110	97	123	96	104	106	120	102	113	95	104	97	114	133
Bremer	63	59	84	73	66	70	54	57	56	59	65	76	85	74	79	70
Buchanan	53	60	63	51	64	67	56	69	54	53	59	61	41	62	72	64
Buena Vista	71	67	49	57	75	75	63	57	56	68	63	54	50	58	72	59
Butler	50	40	38	36	40	45	33	42	31	38	42	42	44	37	30	35
Calhoun	31	43	28	31	27	39	27	23	27	39	40	32	35	33	37	39
Carroll	56	65	62	74	66	48	78	48	56	53	52	52	47	47	53	65
Cass	74	53	61	57	50	56	61	60	60	50	60	67	57	67	55	52
Cedar	48	44	61	49	64	47	69	53	65	55	55	39	65	67	64	67
Cerro Gordo	168	186	198	159	179	166	186	158	186	196	164	191	183	154	228	161
Cherokee	50	47	45	36	45	48	50	51	55	36	45	63	54	40	45	46
Chickasaw	39	32	37	40	43	28	29	42	37	30	34	32	34	36	38	38
Clarke	38	44	38	39	29	44	39	40	51	22	25	30	37	21	60	38
Clay	70	71	82	68	75	87	72	62	59	82	70	63	85	76	86	83
Clayton	46	56	43	53	41	41	44	44	33	45	49	43	54	49	65	59
Clinton	190	183	155	196	204	191	152	201	175	179	241	218	240	258	256	245
Crawford	65	65	65	63	67	73	77	62	62	75	53	66	57	64	60	64
Dallas	116	160	119	112	126	116	111	128	147	104	123	118	107	115	116	121
Davis	36	33	30	27	32	37	26	31	21	26	36	28	38	28	39	32
Decatur	42	28	23	31	36	29	32	28	23	31	24	29	33	36	44	37
Delaware	31	44	41	54	52	41	48	49	28	26	40	34	33	38	56	35
Des Moines	103	123	157	167	184	188	162	194	167	199	170	182	134	182	171	178
Dickinson	62	51	57	58	72	63	70	53	52	60	53	50	42	46	67	78
Dubuque	297	278	307	275	302	315	274	240	265	251	258	261	231	260	268	293
Emmet	37	38	42	26	26	37	38	33	34	32	38	44	27	37	43	57
Fayette	80	68	61	74	55	82	64	64	52	54	44	67	56	40	60	64
Floyd	74	82	48	41	52	57	57	56	55	51	56	56	60	76	59	82
Franklin	41	40	37	39	36	32	32	34	30	28	38	37	35	35	48	47
Fremont	27	36	30	40	40	33	31	30	25	32	36	26	27	41	48	29
Greene	46	41	46	31	41	38	40	40	52	39	30	22	32	33	27	33
Grundy	33	38	35	39	22	27	27	21	31	21	33	30	28	18	36	35
Guthrie	41	48	58	46	41	42	40	44	41	38	33	34	40	41	39	38
Hamilton	79	68	76	87	55	66	60	56	61	58	50	55	65	57	57	56
Hancock	39	32	31	24	40	26	21	33	33	32	29	32	33	36	43	35
Hardin	77	68	71	60	74	69	68	73	46	52	67	58	62	58	71	62
Harrison	63	50	49	58	46	61	57	54	58	57	63	56	62	75	61	58
Henry	92	87	82	96	99	86	73	90	66	52	56	64	59	55	65	61
Howard	21	27	16	29	33	27	19	30	23	24	23	22	23	22	21	16
Humboldt	25	41	45	32	37	29	39	31	34	24	28	39	40	31	32	38
Ida	30	22	42	29	36	17	24	27	24	27	20	17	21	30	23	24
Iowa	51	49	43	46	38	49	52	37	20	40	29	45	31	42	34	39
Jackson	59	67	63	76	63	53	50	62	68	38	53	48	31	45	57	41
Jasper	67	84	124	128	145	156	158	131	165	144	123	117	123	132	167	154

Table 2. Dissolutions in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	82	111	96	112	94	85	90	69	76	90	98	82	84	77	71	64
Johnson	270	298	238	283	253	237	216	216	286	224	270	289	313	319	305	331
Jones	68	57	54	67	57	69	55	54	61	50	59	65	45	51	73	56
Keokuk	24	21	26	26	25	12	31	28	28	20	21	21	21	29	39	24
Kossuth	59	37	48	43	44	40	38	44	40	44	37	49	34	44	56	49
Lee	144	157	157	168	143	203	151	191	179	155	174	186	174	183	216	218
Linn	692	600	648	655	647	606	566	608	548	531	584	576	540	541	559	579
Louisa	49	61	54	52	44	43	54	51	39	48	40	37	37	40	44	59
Lucas	41	47	46	46	47	39	40	40	38	31	51	38	35	48	45	48
Lyon	23	27	21	16	19	11	19	26	15	19	24	13	20	13	18	18
Madison	54	44	49	47	54	62	50	42	56	32	35	27	53	41	53	45
Mahaska	124	124	116	118	132	125	96	115	81	72	108	107	99	89	103	100
Marion	125	118	139	107	106	127	122	114	137	111	109	122	98	106	113	112
Marshall	191	191	194	221	182	195	174	201	166	163	160	152	190	185	193	219
Mills	67	56	58	53	47	54	48	50	41	60	31	59	54	40	65	62
Mitchell	33	37	27	25	29	27	20	23	25	19	23	24	28	17	22	21
Monona	34	43	33	29	26	25	32	44	27	34	29	26	37	20	45	39
Monroe	24	38	31	32	37	38	28	29	26	19	23	27	24	30	26	26
Montgomery	75	56	64	58	51	44	68	72	72	64	68	62	42	39	77	69
Muscatine	197	219	220	255	187	212	219	244	279	225	212	225	229	238	227	227
O'Brien	39	35	45	39	40	41	35	45	44	28	37	32	28	29	40	28
Osceola	20	13	19	14	17	16	18	13	11	16	11	12	17	16	19	8
Page	55	76	70	90	89	70	75	60	67	75	75	63	99	69	109	73
Palo Alto	34	33	28	20	22	22	29	21	18	28	29	34	31	34	27	35
Plymouth	61	59	64	74	56	65	47	72	51	53	63	63	56	42	54	55
Pocahontas	31	23	20	29	21	30	27	31	26	18	18	27	32	29	22	33
Polk	1529	1761	1608	1709	1810	1642	1665	1780	1705	1707	1716	1578	1571	1703	1888	1919
Pottawattamie	499	418	446	499	466	465	465	468	439	488	446	434	429	465	553	513
Poweshiek	59	69	70	77	69	71	82	60	60	75	58	58	82	55	55	48
Ringgold	17	15	14	17	18	21	21	16	16	17	10	28	28	20	30	17
Sac	36	31	39	30	37	32	29	28	32	37	29	30	31	38	33	35
Scott	630	719	679	677	649	725	664	735	777	743	747	736	804	873	962	984
Shelby	39	36	35	44	39	37	41	40	36	33	31	33	37	31	53	39
Sioux	57	48	57	48	53	48	41	55	33	46	42	46	52	40	31	48
Story	184	231	172	124	212	208	211	212	203	195	165	207	226	253	258	241
Tama	51	62	51	54	49	58	65	51	53	56	45	56	51	58	58	46
Taylor	24	24	27	17	20	12	15	22	25	29	30	25	30	19	28	19
Union	56	64	52	54	51	74	63	46	46	63	45	60	65	77	64	72
Van Buren	43	30	28	31	36	40	26	30	32	32	27	22	23	25	30	17
Wapello	153	188	158	148	197	204	157	177	169	166	209	224	206	210	228	215
Warren	139	134	144	133	135	149	128	130	155	122	133	120	121	140	146	138
Washington	86	67	64	68	79	86	60	70	61	70	76	66	68	66	70	43
Wayne	23	14	24	28	22	30	32	17	25	19	16	31	17	33	28	21
Webster	180	174	203	163	173	177	184	174	197	167	148	168	174	169	189	188
Winnebago	43	39	43	46	34	35	31	29	27	39	36	49	21	34	35	48
Winneshiek	49	48	41	41	43	50	45	67	41	65	68	48	49	46	48	51
Woodbury	472	464	428	467	443	447	449	451	409	429	474	431	490	475	526	540
Worth	23	28	21	30	21	23	20	22	27	16	23	19	18	19	26	22
Wright	56	66	54	44	48	72	45	43	55	54	57	61	57	51	50	66
State of Iowa	10545	10885	10700	10924	10939	10913	10507	10808	10527	10324	10525	10509	10588	10869	12071	11854

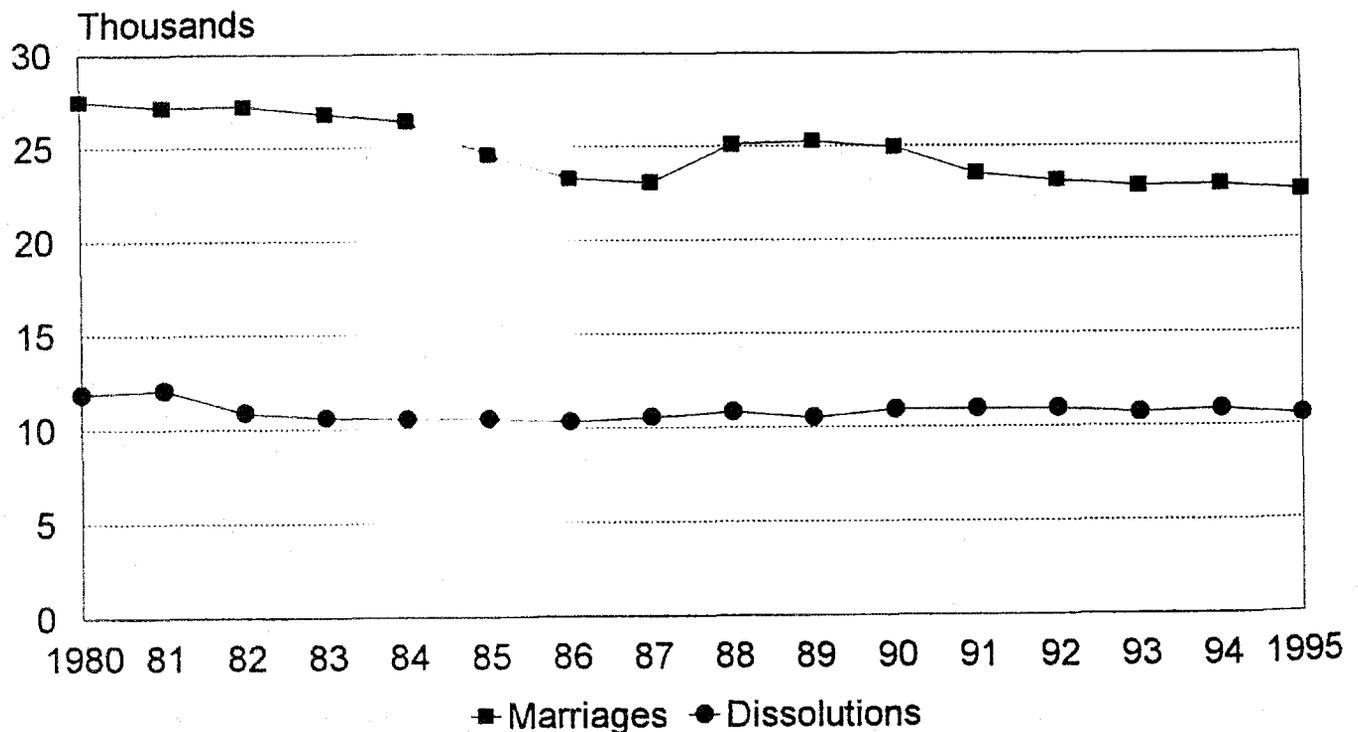
Dissolutions were highest in 1995 in Polk, the only county with more than 1,000. Other counties with at least 300 dissolutions that year were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury. Forty-two counties reported fewer than 50. Adams, Audubon, and Ringgold were the only counties with fewer than 20 dissolutions.

Between 1994 and 1995, the number of dissolutions remained the same in four counties, decreased in 45, and increased in 50. Increases were 10 or more in 17 counties, although a gain greater than 40 occurred only in Linn and Pottawattamie. Among the counties with fewer dissolutions in 1995 than in 1994, 24 declined by 10 or less. The largest drops occurred in Polk and Scott, the only counties where the number of dissolutions declined by at least 50.

Across the state, there were 20 more dissolutions in 1995 than in 1985. More than half (59) the counties followed that trend. Thirty-four counties had fewer dissolutions at the end of the period than at the beginning, while six had the same number both years. Black Hawk, Polk, and Scott had at least 100 fewer dissolutions in 1995 than in 1985. 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 100 more dissolutions in 1995 than in 1985.

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, 1980-1995.



Employment and Unemployment

in Iowa's Counties: 1980-1995

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Willis Goudy, Iowa State University
Michael Blank, Iowa Department of Employment Services

Iowa's labor force was estimated to include 1,560,000 people in 1995 (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 1994, with a slight decline (-5,200) from that year to 1995. 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 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 1995, Polk County had 209,400 in the labor force, nearly double the next highest county (Linn, 107,000). Adams and Ringgold, in contrast, reported fewer than 3,000 in the labor force. Polk's labor force increased by 38,000 between 1985 and 1995. Black Hawk, Dubuque, Johnson, Linn, Scott, Story, and Woodbury each had gains of more than 5,000. Although Iowa had 147,000 more people in the labor force in 1995 than in 1985, 31 counties had a smaller labor force at the end of the period. Of these 31 counties, only Kossuth declined by more than 1,000.

Employment

Employment in Iowa in 1995 (1,504,000) was 2,000 below that for 1994 (Table 2), which was the previous 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 1995, the number employed ranged from under 3,000 in Adams and Ringgold to 204,000 in Polk. Nineteen 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 1995; another 28 had employment totals ranging from 10,000 to 49,000.

The state had 204,000 more employed persons in 1995 than in 1985, an increase of 15.7 percent. Polk increased the most (+43,900) and Linn was second (+24,400); Black Hawk was the only other county gaining at least 10,000 employees. Black Hawk, Linn, and Polk, together accounted for two-fifths (40.0%) of the state's gain in employment from 1985 to 1995. Sixteen counties had lower numbers employed in 1995 than in 1985, although no county had a decrease as great as 800 during this period.

Between 1985 and 1995, employment increased more than 25 percent in eight counties (Black Hawk, Bremer, Dubuque, Linn, Louisa, Madison, Polk, Warren), with the greatest percentage increase occurring in Madison (+37.4%). Declines from 1985 to 1995 of at least 10 percent occurred in Adams, Keokuk, and Lucas.

Table 1. Labor Force Estimates in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4460	4330	4150	4180	4010	4010	4550	4620	4410	4450	4430	4420	4560	4440	4450	4560
Adams	2440	2460	2370	2410	2410	2430	3100	3190	3050	2920	2870	3030	2780	2660	2590	2690
Allamakee	7560	7670	7480	7410	7250	7160	7680	7630	7470	7510	7390	7380	7150	6990	6920	7040
Appanoose	6770	6810	6790	6710	6600	6340	6530	6600	6320	6150	5850	5910	5780	6020	6020	6110
Audubon	3670	3700	3650	3820	3740	3600	3510	3490	3490	3660	3740	3880	4090	4050	4100	4060
Benton	11880	11740	11670	11330	11080	11400	10790	10800	10230	10730	10650	10660	10830	10940	10910	11200
Black Hawk	67800	68000	69200	66200	64000	62100	61400	60600	58060	59220	59880	61710	64950	67170	68690	69500
Boone	13270	13670	13460	13030	12830	12600	12800	12890	12040	12250	11940	12070	12310	12090	12290	12300
Bremer	12300	12400	12700	12300	11900	11400	10700	10500	10120	10120	10190	10590	11190	10720	10610	10920
Buchanan	10510	10640	10380	10030	9840	9550	9950	10080	9810	9970	9900	10130	11270	11110	10910	11250
Buena Vista	10910	11150	11090	10790	10500	10000	11350	11630	11090	10940	10990	10930	11110	10330	10560	10750
Butler	8030	8250	7930	7890	7560	7320	7450	7350	7470	7660	7730	7920	8140	7820	7880	8290
Calhoun	5100	5180	5270	5190	5040	4960	5510	5560	5450	5580	5660	5790	6150	6200	6200	6240
Carroll	11880	11990	12120	11560	10980	10690	11720	11440	11120	11160	11080	11200	12270	12050	12180	11700
Cass	7780	7760	7790	7720	7510	7530	8520	8400	8260	8340	8510	8780	9250	8970	8910	8890
Cedar	9450	9650	9670	9300	9220	9070	9670	9560	9030	8980	8880	9020	8440	8520	8290	8370
Cerro Gordo	25990	25950	25980	25510	25810	25170	26370	26490	25610	25570	25450	24710	24110	23920	24620	24090
Cherokee	6830	7070	7050	6950	6880	6710	7010	7120	7100	7510	7450	7550	7740	7610	7630	7710
Chickasaw	7580	7590	7480	7270	7100	7060	7320	7220	7170	7320	7470	7340	7330	7130	7170	7340
Clarke	3900	3990	4090	4220	4360	4220	4590	4440	4200	4140	4010	3920	4700	4550	4710	4820
Clay	9610	9640	9410	9060	8850	8960	9270	9240	8780	8750	8890	9150	9810	9900	10080	10240
Clayton	10510	9610	9680	9620	9200	9190	10200	10220	9770	10010	9930	10110	10540	10320	10250	10300
Clinton	26790	27090	27390	27020	26150	25530	23820	23790	23030	23230	23260	23940	25570	26570	26960	28050
Crawford	8800	8840	8880	8660	8430	8500	8980	9200	9120	9150	9060	9240	10470	10230	10130	9840
Dallas	18100	18000	17800	17100	16400	16100	17000	16300	15480	15200	15020	15820	15520	13560	13300	13450
Davis	4320	4340	4280	4100	4010	3860	3840	3870	3740	3860	3680	3760	3700	3720	3690	3600
Decatur	3950	4030	3950	3890	3850	3790	3930	3820	3940	4070	4230	4090	3980	4160	4070	4160
Delaware	9290	9330	9080	9070	8970	8790	8880	8720	8410	8420	8490	8760	9140	8960	8880	8950
Des Moines	23390	23560	23710	23060	22440	22030	23100	23020	22480	22120	21410	21520	19060	19240	19600	19720
Dickinson	9780	9530	9500	8850	8280	8030	9780	9340	8770	8650	8510	8670	7700	7480	7430	7380
Dubuque	49800	50000	49900	48400	47300	46000	44900	44700	43590	43360	42330	41900	42750	43100	44980	45670
Emmet	5490	5640	5760	5770	5690	5540	5050	5100	5070	5220	5410	5690	5920	6160	6340	6280
Fayette	11400	11480	10790	10660	10400	10260	10550	10610	10380	10870	11130	11470	11530	11420	11370	11560

Table 1. Labor Force Estimates in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	8010	8470	8710	8760	8620	8550	8730	8720	8410	8390	8470	8620	7680	7740	7750	7980
Franklin	6140	6060	5870	5840	5690	5730	5290	5340	5480	5710	5770	5670	6300	6350	6280	6540
Fremont	3910	3990	3930	3820	3710	3730	4300	4300	4290	4350	4590	4830	6030	5820	5800	5580
Greene	5130	5250	5290	5240	4990	4880	5230	5190	5190	5290	5320	5400	5350	5320	5300	5640
Grundy	6050	6230	6110	6030	5820	5780	6770	6670	6480	6660	6750	6980	6410	6290	6170	6200
Guthrie	5810	5810	5880	5640	5650	5440	5390	5260	5210	5370	5320	5280	5750	5670	5590	5750
Hamilton	8640	8690	8520	8760	8480	8350	10400	10200	9420	9420	9150	9270	9160	8990	8960	8650
Hancock	6000	6090	5900	5920	5990	6220	6430	6350	6070	6130	6180	6100	6680	6740	7070	7120
Hardin	9560	9600	9580	9490	9430	9380	9580	9760	9790	9950	9960	10120	10880	10860	10950	10890
Harrison	7480	7610	7610	7430	7220	7100	6960	7040	6800	6830	6930	7080	7460	7330	7130	7180
Henry	11120	11050	10830	10530	10170	10020	12280	11830	10910	10440	9970	9460	10000	9860	9940	9900
Howard	5340	5270	4890	4890	4690	4600	5030	5090	4970	4990	5060	5030	5520	5400	5390	5610
Humboldt	5340	5370	5250	5140	5000	4960	5330	5510	5260	5430	5510	5550	5510	5430	5520	5460
Ida	4090	4140	4080	3850	3760	3880	4740	4720	4370	4210	4160	4150	4480	4320	4170	4250
Iowa	9210	9460	9390	9010	8390	7990	8620	8370	8140	8100	8050	8270	8970	8650	8970	9250
Jackson	10450	10940	10920	10610	10270	9990	10880	10800	10270	9980	10100	10130	10480	10390	10300	10390
Jasper	18450	18380	18160	17990	17950	17860	17950	18120	17710	17220	17380	17370	16010	15870	16040	16420
Jefferson	9550	9740	9560	9000	8590	8490	9220	9180	8470	8530	8080	7980	7490	7570	7720	7840
Johnson	64600	64500	63800	60300	58400	57500	62000	60600	59520	58130	54750	53960	48280	45980	44620	43720
Jones	9720	9560	9440	9570	9330	9300	9430	9150	8850	8870	8750	8780	9780	9910	9690	10020
Keokuk	5070	5140	5160	5230	5260	5320	5820	5700	5540	5830	5940	5770	5320	5310	5220	5240
Kossuth	8700	8930	8810	8960	8900	8830	9250	9190	9080	9560	9780	9760	11170	11060	11090	11410
Lee	19770	19680	19660	19590	19480	18870	18450	18520	18450	18700	18630	18810	20210	20620	21390	21430
Linn	107000	105800	104700	99900	96700	96600	97700	96500	91790	89340	85720	83960	84650	85570	87890	89620
Louisa	6510	6460	6560	6360	6090	5900	7800	7790	6610	5860	5110	4960	4890	5600	6160	5370
Lucas	4070	4370	4400	4430	4290	4260	4940	4930	4810	4950	5000	4990	4670	4620	4630	4550
Lyon	5730	5860	5930	5900	5650	5650	6170	6040	5780	5890	5590	5720	6130	6080	6020	6360
Madison	7410	7380	7040	6480	6370	6360	6170	6290	5970	5800	5570	5640	5700	5720	5780	5860
Mahaska	11090	11270	11120	10820	10580	10530	10500	10540	10180	10150	10060	9940	9790	9660	9850	9940
Marion	17520	17030	17130	16390	15890	15730	16370	16190	15560	15010	14260	13930	16170	15940	16330	16270
Marshall	20660	21000	20770	20240	20150	19980	20280	19950	19350	19920	19720	20510	19570	19680	19320	19370
Mills	6210	6590	6550	6600	6550	6420	5610	5620	5460	5570	5850	6050	6450	6570	6410	6410
Mitchell	5650	5700	5500	5300	5170	5150	5830	5770	5640	5760	5760	5650	6120	6090	6070	6000

Table 1. Labor Force Estimates in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	5130	5200	5170	4820	4440	4460	4780	4780	4670	4790	4890	5100	5470	5350	5300	5400
Monroe	4330	4170	4100	3940	3910	3730	4000	3700	3670	3710	3870	3810	4330	4400	4930	4850
Montgomery	5910	6190	6150	6000	5990	6110	6460	6130	5870	5900	6080	6320	6480	6370	6350	6570
Muscataine	21320	21440	21880	21480	20900	20830	21630	21400	20980	21070	20760	20480	21610	21640	21510	20360
O'Brien	7880	8000	7940	7640	7420	7310	8080	8070	7760	7750	7720	7900	8270	7970	7770	7880
Osceola	3640	3670	3640	3700	3580	3510	3540	3500	3420	3480	3510	3690	3510	3540	3520	3440
Page	9140	9220	8980	8570	8160	8120	8450	8410	8130	8400	8570	8750	9020	9080	8940	9020
Palo Alto	5260	5370	5300	5230	4910	4840	5240	5230	5190	5190	5380	5640	5630	5510	5400	5480
Plymouth	12690	12970	12910	12600	12350	11810	12510	12490	12140	11900	11720	11650	11490	11320	11320	11420
Pocahontas	4280	4310	4250	4330	4310	4340	4960	4920	4820	4820	4830	5000	4750	4780	4770	4720
Polk	209400	208600	208700	200100	193300	189500	199100	196100	186320	179650	171370	166850	163030	165450	165500	165770
Pottawattamie	46600	46500	46700	45000	43900	43600	48700	48300	47330	46800	44890	46070	41920	42170	41990	41170
Poweshiek	10410	10390	10370	10170	9800	9970	10920	10830	10300	9980	9710	9490	10260	10230	10090	10170
Ringgold	2610	2710	2680	2700	2610	2560	2580	2590	2520	2610	2580	2670	3340	3300	3300	3230
Sac	5980	6120	6040	6070	5900	5860	5690	5690	5560	5700	5710	6030	6200	6250	6220	6390
Scott	82200	83500	85500	83400	80600	78600	82800	83700	81570	80900	75880	72770	72410	74620	75760	75050
Shelby	6770	6870	6830	6720	6660	6540	6850	6910	6690	6890	7050	7060	6820	6730	6750	6570
Sioux	16930	17180	16880	16120	15450	15260	16390	15980	15150	14900	15160	14890	16560	15790	15790	16200
Story	44280	45530	44910	43030	41920	41750	42550	42080	40100	39610	38950	38500	39240	38170	37960	38470
Tama	9790	9470	9110	8170	8160	8220	8870	8920	8870	8860	8680	8440	9800	9740	9430	9680
Taylor	3420	3300	3230	3220	3280	3090	3360	3330	3390	3510	3540	3640	3570	3540	3480	3500
Union	6300	6300	6470	6320	6050	6060	6620	6540	6330	6370	6200	6320	7320	7350	7320	7160
Van Buren	3990	4040	4030	3840	3720	3610	3630	3650	3750	3780	3740	3700	3910	3850	3890	3820
Wapello	18370	18480	18540	17900	17410	16880	15840	15700	15440	16260	16420	16910	16400	16490	16900	17150
Warren	22800	22600	22500	21500	20700	20300	20600	20400	19290	18540	18580	18850	18290	18540	18680	18850
Washington	11280	11190	11160	10960	10680	10390	9520	9510	9470	9600	9580	9690	9740	9630	9810	9880
Wayne	3390	3380	3290	3310	3140	3200	3280	3250	3220	3260	3270	3370	3810	3760	3790	3710
Webster	20270	20230	20270	19880	19530	19460	20810	20800	20200	20570	20880	21180	21600	22000	22530	22920
Winnebago	6810	6780	6700	6370	5970	6410	7640	7790	7350	7120	7250	7330	6260	5820	5690	5860
Winneshiek	11940	12040	11920	11770	11430	11280	13120	12050	12350	12330	11940	11840	12120	11880	11640	11340
Woodbury	55000	54800	55100	52800	51300	50100	52300	51800	51200	49310	48250	48400	46790	45890	47000	46110
Worth	4070	4060	4090	3940	4010	4030	4980	4870	4650	4430	4450	4550	4010	3830	3810	3970
Wright	7350	7030	7020	7210	7180	7100	7970	7790	7500	7640	8000	8350	8240	7980	7660	7630
State of Iowa	1558800	1564000	1559900	1511700	1470400	1448000	1513000	1500000	1449000	1439000	1412000	1411000	1420000	1417000	1427000	1432000

Table 2. Estimates of the Number Employed in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4310	4190	4010	4040	3890	3920	4380	4480	4260	4250	4220	4220	4310	4250	4270	4370
Adams	2370	2380	2290	2310	2300	2340	3000	3100	2940	2800	2710	2890	2630	2510	2480	2580
Allamakee	7170	7300	7130	6970	6850	6760	7220	7240	6980	6930	6620	6690	6520	6340	6310	6470
Appanoose	6400	6430	6440	6290	6180	5910	6120	6200	5860	5570	5190	5280	5020	5170	5410	5460
Audubon	3550	3600	3570	3710	3630	3480	3380	3370	3310	3380	3420	3600	3830	3840	3910	3910
Benton	11380	11250	11210	10780	10500	10820	10300	10330	9620	9910	9750	9950	9880	9580	10090	10630
Black Hawk	64700	64600	65400	62000	60000	58600	58100	57100	53190	51650	51260	54300	56350	59010	63170	64630
Boone	12860	13200	12970	12460	12200	12070	12300	12430	11410	11480	11160	11400	11390	11220	11670	11730
Bremer	12000	12000	12200	11700	11300	11000	10300	10100	9400	9140	9230	9780	10160	9680	9890	10280
Buchanan	10030	10120	9800	9380	9260	9040	9440	9590	9120	9040	8790	9090	9960	10030	10140	10540
Buena Vista	10640	10840	10790	10500	10250	9740	11100	11310	10720	10450	10450	10440	10560	9580	10090	10410
Butler	7620	7790	7500	7360	7090	6990	7090	6960	6930	6930	6980	7280	7270	7040	7290	7780
Calhoun	4920	4990	5080	5000	4880	4840	5360	5360	5190	5230	5220	5480	5800	5830	5920	6030
Carroll	11430	11600	11750	11200	10570	10250	11180	10940	10480	10370	10190	10540	11500	11160	11370	11070
Cass	7430	7390	7400	7320	7100	7120	8160	8050	7790	7820	7840	8080	8740	8490	8460	8520
Cedar	9190	9370	9360	8950	8940	8820	9370	9200	8630	8450	8280	8570	7890	7940	7950	8090
Cerro Gordo	25080	24760	24640	23960	24380	23860	25110	25160	24140	23750	23390	23010	22220	22020	22860	22610
Cherokee	6610	6840	6850	6730	6680	6530	6770	6860	6660	7000	7050	7190	7360	7210	7200	7420
Chickasaw	7190	7160	7030	6770	6620	6640	6930	6830	6630	6570	6560	6590	6360	6290	6400	6550
Clarke	3660	3720	3750	3920	4070	4010	4350	4160	3930	3790	3650	3600	4350	4150	4380	4520
Clay	9330	9350	9140	8770	8550	8760	9010	8950	8360	8210	8200	8440	9270	9340	9510	9760
Clayton	9950	9040	9130	9030	8650	8690	9630	9640	9110	9190	8860	9190	9570	9270	9410	9480
Clinton	25470	25840	26040	25410	24570	24060	22230	22170	21250	21120	20750	21570	22560	23260	24760	26470
Crawford	8490	8520	8490	8300	8050	8020	8310	8560	8670	8600	8450	8690	9900	9580	9640	9490
Dallas	17600	17500	17300	16400	15900	15600	16000	15700	14800	14230	14140	14980	14480	12580	12460	12670
Davis	4140	4160	4100	3880	3770	3720	3630	3610	3420	3440	3320	3450	3270	3330	3390	3400
Decatur	3680	3800	3650	3600	3600	3550	3800	3630	3700	3750	3930	3830	3650	3910	3850	3960
Delaware	8820	8820	8580	8560	8490	8400	8360	8320	7920	7750	7550	8020	8190	8030	8150	8270
Des Moines	22350	22450	22430	21620	21120	20890	21750	21610	20990	20210	19130	19470	16550	16770	17650	18150
Dickinson	9450	9130	9180	8540	7980	7770	9490	8970	8300	7970	7710	8060	7120	6920	6970	6980
Dubuque	48000	48100	47800	45700	44400	43300	42200	42300	40920	40000	38280	38320	37580	36960	40150	41760
Emmet	5220	5350	5500	5450	5360	5230	4760	4800	4630	4580	4610	5070	5120	5380	5910	5940
Fayette	10920	11040	10280	10060	9850	9830	10080	10120	9710	9880	10000	10470	10370	10220	10610	10780

Table 2. Estimates of the Number Employed in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	7570	7730	8100	8150	8050	8090	8290	8230	7770	7500	7170	7770	6370	6620	6800	6960
Franklin	5960	5860	5660	5580	5450	5500	5060	5070	5090	5310	5350	5290	5800	5910	6020	6280
Fremont	3790	3850	3740	3600	3530	3600	4140	4130	4090	4050	4200	4470	5740	5550	5620	5440
Greene	4910	5020	5080	5020	4750	4640	4880	4940	4900	4890	4820	4970	4920	4870	4920	5290
Grundy	5820	6050	5920	5800	5630	5630	6580	6410	6200	6260	6340	6600	5920	5910	5930	5920
Guthrie	5620	5590	5650	5390	5410	5230	5060	5060	4930	4960	4940	4960	5420	5320	5270	5480
Hamilton	8280	8410	8220	8320	8130	7960	10030	9900	9040	8860	8570	8710	8570	8450	8450	8250
Hancock	5800	5890	5670	5590	5650	5860	6130	6140	5760	5650	5590	5760	6250	6210	6710	6590
Hardin	9190	9290	9200	8990	8910	8950	9190	9250	9140	9340	9370	9510	10360	10340	10480	10520
Harrison	7140	7260	7250	7000	6840	6820	6560	6600	6360	6290	6290	6540	6820	6730	6750	6860
Henry	10760	10680	10450	10050	9720	9670	11810	11370	10360	9830	9230	8760	9190	9060	9180	9320
Howard	5140	5080	4700	4680	4500	4420	4760	4770	4700	4590	4590	4670	5090	4960	5050	5260
Humboldt	5210	5200	5080	4970	4800	4800	5160	5350	5020	5050	5080	5170	5110	5070	5220	5170
Ida	3970	4040	3980	3740	3630	3780	4610	4600	4230	4040	3950	3980	4340	4180	4040	4110
Iowa	8980	9270	9170	8780	8180	7790	8420	8150	7870	7650	7530	7930	8550	8070	8550	8980
Jackson	9860	10380	10370	9920	9600	9350	10100	10000	9490	9050	8920	9140	9070	8990	9260	9480
Jasper	17840	17780	17480	17270	17160	17230	17210	17370	16850	16110	16300	16230	14630	14180	14760	15160
Jefferson	9190	9280	9150	8520	8190	8140	8770	8740	7880	7850	7500	7470	6870	6790	7190	7370
Johnson	62800	62800	62100	58300	56700	55800	61000	59400	58310	56590	53040	52640	46570	44040	42510	42190
Jones	9310	9160	8990	9000	8850	8850	9040	8790	8350	8270	8010	8120	8950	9010	9080	9470
Keokuk	4840	4910	4900	4910	4990	5080	5530	5380	5200	5350	5450	5320	4810	4750	4670	4800
Kossuth	8360	8580	8490	8520	8420	8440	8820	8730	8500	8810	8940	9120	10460	10260	10390	10720
Lee	18770	18580	18230	18000	18010	17660	17060	16990	16660	16790	16680	16990	17960	18150	19460	19900
Linn	104000	102500	101200	95700	92000	91300	94100	93000	87030	83780	79570	77940	77650	77300	80800	83800
Louisa	6250	6190	6230	5990	5780	5640	7490	7500	6270	5450	4590	4540	4350	5270	5930	5160
Lucas	3840	4140	4130	4130	4050	4000	4700	4720	4540	4660	4620	4650	4350	4260	4340	4280
Lyon	5570	5710	5760	5750	5520	5530	6020	5870	5590	5620	5330	5460	5860	5880	5750	6100
Madison	7090	7060	6730	6130	6020	6090	5850	5960	5660	5340	5160	5240	5230	5250	5370	5530
Mahaska	10710	10930	10690	10370	10100	10120	10000	10160	9710	9460	9220	9320	9090	8860	9190	9390
Marion	16930	16470	16530	15800	15280	15150	15820	15670	15010	14370	13700	13350	15420	15100	15670	15640
Marshall	19980	20380	19930	19410	19420	19320	19510	19140	18170	18490	18170	18950	17490	17820	18130	18300
Mills	6020	6370	6320	6320	6330	6190	5380	5410	5200	5180	5420	5710	6150	6280	6150	6210
Mitchell	5470	5470	5290	5090	4940	4950	5630	5560	5360	5330	5210	5240	5530	5590	5570	5520

Table 2. Estimates of the Number Employed in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	4960	5020	4960	4600	4250	4300	4550	4490	4330	4390	4450	4700	5090	4960	4980	5100
Monroe	4140	4000	3900	3730	3680	3530	3750	3440	3360	3230	3370	3320	3780	3780	4470	4510
Montgomery	5680	5940	5900	5700	5740	5840	6140	5890	5590	5520	5550	5860	6080	5970	6010	6240
Muscatine	20600	20630	20990	20270	19740	19820	20540	20290	19710	19540	19180	19060	19950	20130	20310	19380
O'Brien	7660	7790	7730	7410	7250	7160	7900	7840	7450	7360	7350	7510	7920	7640	7450	7610
Osceola	3510	3560	3530	3570	3470	3410	3400	3320	3250	3230	3240	3450	3270	3280	3300	3260
Page	8810	8880	8630	8080	7680	7740	8040	8070	7700	7830	7870	8150	8320	8410	8510	8660
Palo Alto	5090	5180	5120	5060	4730	4660	5050	5030	4990	4870	4920	5210	5170	5100	5050	5190
Plymouth	12190	12590	12560	12140	11940	11450	12090	12000	11580	11240	10900	10970	10870	10670	10720	10940
Pocahontas	4120	4190	4140	4180	4180	4240	4840	4780	4640	4580	4540	4750	4440	4420	4510	4540
Polk	204000	202600	201400	192700	186400	183400	192000	188800	177970	169300	160110	156950	150850	152150	153370	156450
Pottawattamie	45100	44800	44800	42700	41900	41900	46400	46000	44460	43530	41510	42580	39150	38780	38600	38630
Poweshiek	9990	9960	9860	9700	9350	9520	10540	10500	9910	9480	9090	8930	9600	9540	9590	9640
Ringgold	2500	2610	2590	2590	2500	2450	2460	2460	2340	2450	2400	2470	3050	3110	3180	3120
Sac	5750	5890	5840	5880	5680	5630	5390	5360	5210	5240	5180	5490	5550	5560	5810	6080
Scott	79200	80000	81400	78600	76600	75300	77900	78000	76200	74950	69640	66970	64630	66260	69750	71100
Shelby	6520	6560	6530	6350	6300	6270	6520	6570	6310	6410	6420	6470	6430	6360	6410	6310
Sioux	16420	16670	16440	15650	15020	14840	16060	15610	14560	14210	14430	14240	15910	15070	15040	15530
Story	43030	44180	43530	41390	40280	40240	41840	41360	39160	38350	37640	37280	37570	36540	36440	37160
Tama	9410	9090	8700	7710	7740	7860	8500	8510	8310	8190	8000	8020	9360	9270	9120	9410
Taylor	3250	3100	3100	3070	3140	2980	3220	3200	3180	3260	3250	3380	3270	3320	3340	3360
Union	6010	5980	6170	6030	5690	5770	6360	6230	5930	5950	5750	5800	6780	6890	6880	6800
Van Buren	3830	3870	3860	3640	3520	3490	3350	3380	3420	3420	3360	3410	3530	3440	3580	3530
Wapello	17470	17540	17490	16660	16110	15890	14780	14540	13870	14070	14460	15200	14310	14450	14930	15790
Warren	22200	22100	21800	20800	20100	19800	20000	19700	18490	17670	17620	18010	17350	17500	17640	18000
Washington	10930	10850	10790	10560	10320	10110	9130	9080	8910	8840	8790	9090	9020	8980	9240	9360
Wayne	3250	3260	3120	3130	3020	3110	3180	3100	3040	3060	3030	3150	3540	3530	3620	3560
Webster	19410	19350	19290	18710	18530	18470	19800	19800	18980	18980	19020	19520	19800	20220	21010	21590
Winnebago	6630	6600	6480	6130	5610	5910	7350	7600	7070	6740	6730	7080	5930	5420	5320	5300
Winneshiek	11370	11430	11270	11070	10820	10650	12550	11430	11610	11440	11030	11020	11240	11090	10810	10640
Woodbury	53300	53100	53300	50500	48900	48000	50100	49000	47780	45250	44090	44800	43280	42170	43340	43160
Worth	3930	3880	3910	3740	3790	3770	4740	4650	4410	4080	4040	4250	3690	3510	3500	3650
Wright	7070	6770	6740	6870	6890	6860	7700	7490	7140	7180	7370	7870	7740	7530	7280	7260
State of Iowa	1504400	1506600	1497100	1440400	1402300	1386300	1448000	1433000	1369000	1338000	1300000	1312000	1305000	1296000	1328000	1350000

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1980-1995.

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

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	440	730	610	600	580	450	440	490	630	890	1300	850	1310	1120	960	1020
Franklin	180	200	210	260	240	230	230	270	390	390	420	380	500	440	260	260
Fremont	120	140	200	220	180	130	160	170	200	300	390	360	290	270	180	130
Greene	220	220	210	220	240	240	350	250	290	400	500	430	430	440	380	350
Grundy	230	190	190	230	200	150	190	260	280	400	410	380	490	380	240	280
Guthrie	200	230	240	250	250	210	340	200	280	410	380	320	320	350	320	270
Hamilton	360	270	300	430	350	390	370	300	370	570	580	560	590	540	510	410
Hancock	190	200	230	340	340	360	300	220	300	480	600	340	430	520	370	530
Hardin	380	310	380	500	530	440	400	510	640	620	600	610	530	520	470	370
Harrison	340	360	360	430	380	280	400	440	440	530	630	530	640	600	390	320
Henry	360	370	380	490	440	350	470	450	550	610	740	700	810	800	760	590
Howard	200	190	190	210	190	180	270	310	270	390	470	360	430	440	350	350
Humboldt	140	170	180	180	200	160	170	160	240	380	420	380	400	370	300	290
Ida	110	100	100	110	140	100	130	130	140	170	210	170	150	140	130	140
Iowa	230	190	220	230	210	200	200	220	270	450	520	340	420	580	420	270
Jackson	600	560	550	690	680	650	780	810	770	930	1180	990	1410	1400	1040	910
Jasper	620	610	680	720	790	630	740	750	860	1110	1080	1140	1380	1680	1280	1260
Jefferson	360	460	410	490	400	350	440	440	590	680	580	510	620	780	540	470
Johnson	1800	1700	1700	2000	1700	1800	900	1100	1210	1540	1710	1320	1710	1930	2110	1530
Jones	410	400	460	570	470	440	400	370	500	600	750	660	830	900	610	550
Keokuk	240	230	260	320	270	240	290	320	340	480	500	450	520	560	550	450
Kossuth	340	350	330	440	490	390	430	460	580	750	840	630	710	800	700	690
Lee	990	1100	1430	1590	1470	1210	1380	1530	1790	1920	1950	1820	2250	2470	1930	1540
Linn	3000	3300	3600	4200	4700	5300	3600	3600	4760	5560	6150	6020	7000	8270	7100	5820
Louisa	260	270	330	370	310	260	310	280	340	420	520	420	540	340	230	210
Lucas	230	230	280	300	240	250	230	210	270	300	380	340	320	360	290	280
Lyon	160	150	160	150	130	120	150	170	190	270	260	260	270	200	260	270
Madison	320	320	310	350	360	270	320	330	310	460	410	400	470	460	420	340
Mahaska	390	350	430	440	480	410	500	380	470	680	850	630	700	800	660	560
Marion	590	560	600	590	620	580	550	520	540	640	560	580	750	840	660	630
Marshall	670	620	840	830	730	660	770	810	1190	1430	1550	1560	2080	1860	1190	1070
Mills	200	220	220	280	230	220	230	210	270	390	430	340	300	290	260	210
Mitchell	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, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	170	180	200	220	190	160	230	290	340	400	440	400	380	390	320	290
Monroe	190	170	210	220	230	200	250	260	310	480	490	490	550	620	460	330
Montgomery	230	240	250	300	250	270	320	240	280	390	540	450	400	400	340	330
Muscatine	720	810	890	1210	1170	1010	1090	1110	1270	1530	1580	1420	1660	1510	1200	980
O'Brien	210	210	200	230	180	150	180	230	320	390	380	390	350	330	320	270
Osceola	130	120	110	130	120	100	140	190	170	260	270	240	240	260	220	170
Page	330	340	350	490	480	390	410	350	430	560	710	610	700	670	430	360
Palo Alto	170	180	180	170	190	180	190	200	200	320	460	430	470	410	350	290
Plymouth	500	370	360	470	400	360	420	490	560	660	830	680	620	650	600	480
Pocahontas	160	120	120	160	130	90	120	140	180	240	290	250	310	360	250	190
Polk	5500	6000	7300	7400	6900	6100	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320
Pottawattamie	1500	1700	1900	2300	2000	1700	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540
Poweshiek	420	430	500	470	440	450	380	340	390	500	620	560	660	690	500	530
Ringgold	110	100	100	110	110	100	120	130	180	160	180	200	290	190	130	120
Sac	230	230	200	190	220	230	300	330	350	460	530	540	650	690	410	310
Scott	3000	3400	4000	4800	4000	3300	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950
Shelby	260	310	310	380	350	270	330	340	380	490	630	590	390	370	330	260
Sioux	510	520	440	470	430	410	330	370	580	690	740	650	660	710	750	670
Story	1250	1350	1380	1640	1640	1510	710	720	940	1260	1310	1220	1680	1630	1520	1310
Tama	370	380	410	460	420	360	370	410	560	670	680	420	440	470	310	280
Taylor	170	200	130	150	140	110	140	120	210	250	290	260	310	210	140	130
Union	290	330	300	280	360	300	270	310	400	420	450	520	540	460	430	370
Van Buren	170	170	170	200	200	120	280	280	340	360	380	290	380	410	310	290
Wapello	900	930	1060	1240	1300	990	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360
Warren	500	500	700	700	600	500	600	700	810	870	970	840	940	1050	1040	850
Washington	350	340	370	400	360	280	390	430	560	760	790	590	720	650	580	520
Wayne	130	130	180	180	120	90	100	150	190	200	250	230	270	230	170	160
Webster	860	870	990	1170	1000	990	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330
Winnebago	180	180	220	240	360	490	290	190	280	380	520	260	330	400	370	560
Winneshiek	570	620	650	700	610	630	570	620	750	880	910	820	890	790	830	700
Woodbury	1700	1700	1700	2300	2500	2200	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950
Worth	140	180	190	200	230	260	240	220	240	350	400	290	320	320	310	320
Wright	280	250	280	340	290	250	280	300	350	460	630	480	510	450	370	380
State of Iowa	54400	57500	62800	71300	68100	61700	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	170	180	200	220	190	160	230	290	340	400	440	400	380	390	320	290
Monroe	190	170	210	220	230	200	250	260	310	480	490	490	550	620	460	330
Montgomery	230	240	250	300	250	270	320	240	280	390	540	450	400	400	340	330
Muscatine	720	810	890	1210	1170	1010	1090	1110	1270	1530	1580	1420	1660	1510	1200	980
O'Brien	210	210	200	230	180	150	180	230	320	390	380	390	350	330	320	270
Osceola	130	120	110	130	120	100	140	190	170	260	270	240	240	260	220	170
Page	330	340	350	490	480	390	410	350	430	560	710	610	700	670	430	360
Palo Alto	170	180	180	170	190	180	190	200	200	320	460	430	470	410	350	290
Plymouth	500	370	360	470	400	360	420	490	560	660	830	680	620	650	600	480
Pocahontas	160	120	120	160	130	90	120	140	180	240	290	250	310	360	250	190
Polk	5500	6000	7300	7400	6900	6100	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320
Pottawattamie	1500	1700	1900	2300	2000	1700	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540
Poweshiek	420	430	500	470	440	450	380	340	390	500	620	560	660	690	500	530
Ringgold	110	100	100	110	110	100	120	130	180	160	180	200	290	190	130	120
Sac	230	230	200	190	220	230	300	330	350	460	530	540	650	690	410	310
Scott	3000	3400	4000	4800	4000	3300	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950
Shelby	260	310	310	380	350	270	330	340	380	490	630	590	390	370	330	260
Sioux	510	520	440	470	430	410	330	370	580	690	740	650	660	710	750	670
Story	1250	1350	1380	1640	1640	1510	710	720	940	1260	1310	1220	1680	1630	1520	1310
Tama	370	380	410	460	420	360	370	410	560	670	680	420	440	470	310	280
Taylor	170	200	130	150	140	110	140	120	210	250	290	260	310	210	140	130
Union	290	330	300	280	360	300	270	310	400	420	450	520	540	460	430	370
Van Buren	170	170	170	200	200	120	280	280	340	360	380	290	380	410	310	290
Wapello	900	930	1060	1240	1300	990	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360
Warren	500	500	700	700	600	500	600	700	810	870	970	840	940	1050	1040	850
Washington	350	340	370	400	360	280	390	430	560	760	790	590	720	650	580	520
Wayne	130	130	180	180	120	90	100	150	190	200	250	230	270	230	170	160
Webster	860	870	990	1170	1000	990	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330
Winnebago	180	180	220	240	360	490	290	190	280	380	520	260	330	400	370	560
Winneshiek	570	620	650	700	610	630	570	620	750	880	910	820	890	790	830	700
Woodbury	1700	1700	1700	2300	2500	2200	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950
Worth	140	180	190	200	230	260	240	220	240	350	400	290	320	320	310	320
Wright	280	250	280	340	290	250	280	300	350	460	630	480	510	450	370	380
State of Iowa	54400	57500	62800	71300	68100	61700	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000

Table 4. Estimated Unemployment Rates in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	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	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	5.2	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	5.5	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	3.3	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	4.2	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	4.4	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	3.1	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	3.3	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	4.6	4.8	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	2.4	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	5.1	5.5	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	3.5	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	3.7	3.3	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	4.5	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	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	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	3.2	3.3	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	5.1	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	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	2.9	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	5.3	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	4.9	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	3.6	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	2.2	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	4.2	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	6.8	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	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	4.4	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	3.4	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	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	4.7	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	4.2	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, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	5.5	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	2.9	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	3.1	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	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	3.8	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	3.4	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	4.2	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	3.2	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	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	4.5	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	3.2	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	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	2.6	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	2.7	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	2.5	2.0	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	5.7	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	3.3	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	3.8	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	2.8	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	4.2	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	4.7	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	3.9	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	5.0	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	2.8	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	4.0	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	5.7	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	2.8	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	4.3	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	3.1	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	3.4	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	3.2	3.0	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	3.2	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	3.4	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, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	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	4.4	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	3.9	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	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	2.7	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	3.6	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	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	3.4	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	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	3.7	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	2.6	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	3.2	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	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	4.2	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	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	3.6	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	4.5	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	3.0	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	2.8	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	3.8	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	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	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	4.3	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	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	2.2	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	3.1	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	3.8	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	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	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	4.8	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	3.1	3.1	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	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	3.8	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	3.5	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 54,400 figure was lower than any year reported here.

Just as Polk led in labor force and employment numbers, it also had the highest number unemployed (5,500) in 1995. Black Hawk, Linn, and Scott were the only others with 3,000 or more. Seven counties had from 1,000 to 3,000 unemployed. Twenty-three counties had fewer than 200 unemployed in 1995; the lowest was Adams, the only county with fewer than 100 unemployed.

Unemployment in 1995 was much lower than the figures for the years 1982 through 1985 in most of Iowa's counties. Ninety-one counties recorded their highest unemployment for the period during one of those four years. All counties except Johnson and Marion had lower numbers unemployed in 1995 than in 1985.

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.

For counties in 1995, unemployment rates varied from 2.2 percent (Dallas, Warren) to 6.8 percent (Decatur). Unemployment rates in 1995 were much lower than those in 1985. In 1985, 75 counties had unemployment rates of 7.0 percent or greater. Ten years later, no county was above 7.0 percent. All counties had lower unemployment rates in 1995 than they did in 1985, with particularly large drops occurring in Black Hawk, Emmet, and Floyd counties.

Note: Caution must be exercised in interpreting these numbers. They are based on estimates generated annually by the Iowa Department of Employment Services 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:

1974-1994

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Per capita income, a measure of average income per person, was \$20,199 for Iowa in 1994, a figure nearly \$1,500 below that for the United States (Table 1). It increased for Iowa every year from 1974 through 1994, 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 1994, Polk had the highest (\$24,346) and Decatur the lowest (\$14,500) per capita income, a difference of more than \$9,800. 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 \$7,500 each year since 1988 and exceeded \$10,000 for the first time in 1993. Polk has had the highest per capita income since 1976 and Linn consistently has been among the top five in recent years. Decatur has ranked among the lowest five every year in the 1974-1994 period. Other counties among the lowest in 1994 were Appanoose, Clarke, Jones, Taylor, and Van Buren.

Per capita income gained in all counties from 1977 to 1978, 1980 to 1981, 1988 to 1989, 1991 to 1992, and 1993 to 1994. Between 1992 and 1993, however, per capita income decreased in 68 of Iowa's 99 counties. At least 40 had declines in three comparisons (1981-1982, 1982-1983, 1987-1988). These year-to-year variations reflect changes in the economy in Iowa and its counties.

From 1974 to 1994, Iowa's per capita income increased by \$14,724 (Table 3, Figure 2). Increases were under \$12,000 in 11 counties. Fourteen counties had increases in per capita income of at least \$15,000, with Polk (+\$18,163) the only one exceeding \$18,000. During the 1974-1994 period, 22 counties increased every year, but the other 77 declined one or more times.

In percentage terms, Iowa's per capita income increased 269 percent between 1974 and 1994. Gains in Iowa's counties ranged from 191 percent in Wright to 335 percent in Winneshiek. Two others (Iowa, Johnson) increased by at least 325 percent, while Sac was the only county other than Wright to gain by less than 200 percent.

Per Capita Income Adjusted for Inflation

Rising prices of goods and services between 1974 and 1994 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 1994 dollars based on the consumer price index for each year. Per capita income adjusted for inflation was higher in 1994 than it was in 1974 for Iowa (Table 2, Figure

Table 1. Per Capita Income in Iowa Counties, 1974-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Adair	18226	15259	16337	14881	15149	14411	12301	12391	12286	10695	9730	8381	8954	8995	7136	7568	7766	5933	6245	5391	4871
Adams	17440	14577	15545	14316	14426	13570	11485	12489	11976	10353	9225	8912	9284	9016	7133	7349	7208	5760	6513	5389	4538
Allamakee	16383	14911	14887	13870	14414	13249	11697	12070	11087	10149	9984	7836	8324	8253	6869	6951	6835	6179	6219	5189	4528
Appanoose	15956	14764	14613	13815	13358	12531	11533	11123	10462	9656	9315	8947	8837	8492	7769	7400	6581	5987	5843	5221	4718
Audubon	18884	16189	17560	16434	15759	15224	12828	13437	11660	11226	9978	8031	8727	9463	7358	7327	7691	5810	5696	5563	5002
Benton	18210	16469	16645	15478	15389	14708	12958	13352	12942	11709	11589	10279	10143	10256	8746	8624	8379	6805	6264	6095	5429
Black Hawk	19444	18019	17428	16300	15913	14802	13568	12803	12052	11857	11667	11347	11219	11150	10177	9357	8296	7592	6544	6071	5472
Boone	21465	19148	18884	17441	16883	16405	14755	14494	13590	12627	11944	11451	11037	10877	9768	9075	8514	6547	6513	6413	5776
Bremer	19027	17180	17197	15804	15439	14233	12823	12503	11791	11617	11262	10158	10037	10072	8880	8388	7794	6966	6032	5629	5217
Buchanan	17663	15722	16091	15243	14965	13679	12037	12364	10915	10474	10232	8486	8862	9034	7765	7626	7210	6197	5593	5582	5027
Buena Vista	18824	16315	16794	15933	15615	15111	13728	13279	13123	12529	11290	10361	10360	10825	9266	8862	8497	7366	5747	6307	5857
Butler	17480	15518	16327	15063	14920	12942	12113	12634	11821	11700	11166	9357	9272	9495	8371	8062	7967	6493	5795	5727	4957
Calhoun	20540	16516	18242	15373	15237	15196	13891	13368	13000	12249	11375	10771	10458	11212	9696	9204	8320	6424	5438	6015	5831
Carroll	19722	17484	18318	17104	16526	15674	14752	14529	13399	12846	12424	11311	11345	11678	9858	9364	8714	6686	5767	5805	5305
Cass	18773	16671	17367	16192	15678	15234	13365	13406	12711	12147	11542	10593	10460	10609	8650	8663	8199	6921	6646	5736	5302
Cedar	20031	17902	17941	16816	16852	15891	14040	13965	12693	12423	12423	10407	10442	10677	8816	8960	8709	7030	6527	6796	5546
Cerro Gordo	20120	18176	17893	16969	16727	15192	14547	14156	13333	12788	12524	11662	11046	10864	9549	8865	8269	7332	6638	6178	5522
Cherokee	20487	16202	17126	16583	16203	15006	14096	13347	12505	11690	11022	9644	9846	10071	8344	8059	7905	6539	5511	6144	5743
Chickasaw	18669	16303	16930	15876	15594	14433	13035	13207	12008	11426	11024	9268	9237	9652	8267	8235	7895	6887	5643	5516	5176
Clarke	15518	13762	14212	13530	13698	13060	11729	11805	11129	10296	9190	8873	8972	8548	7699	6960	6690	5992	5502	5016	4515
Clay	20477	17225	17625	16247	16516	15626	14350	13578	12893	11864	10798	10078	10159	10466	9504	9004	8472	7927	6707	6406	5666
Clayton	16538	15144	15662	14449	14933	13663	11829	12404	11512	10358	10330	7424	8082	8320	6596	6936	6790	5653	5249	4929	4452
Clinton	18834	17294	17399	16253	15805	14830	13547	13118	12371	11974	11776	10580	10436	10627	9450	8756	7909	6863	6156	5761	5180
Crawford	19486	17049	17265	15660	15095	13879	13052	12570	12021	10889	10614	9167	9591	9967	7483	7442	7402	5804	5008	5283	4787
Dallas	21892	20276	19740	18314	17674	16858	15342	14928	14017	13150	12873	12192	11738	11407	9631	9262	8285	7246	6891	6528	6071
Davis	16430	15186	14872	13398	13584	11771	10639	10588	10152	9539	9266	8376	8583	8006	7118	6834	6245	5149	5213	4901	4374
Decatur	14500	12766	12844	12282	12188	11703	9948	10293	9642	9084	8131	7154	7377	6917	5865	5741	5942	4673	4730	4274	3995
Delaware	16720	15034	15706	15282	16023	14169	12520	13215	11890	10697	10531	7871	8287	8726	6818	7421	7398	5947	5339	5700	4760
Des Moines	19801	18415	17825	16993	16640	15438	14472	14050	13511	12952	12516	11486	11055	10824	9844	9317	8354	7528	6822	6272	5744
Dickinson	22106	19861	19863	18183	18269	17117	15297	14629	13741	12708	12784	11228	10816	10638	9274	8948	8610	7423	6376	6219	5766
Dubuque	19891	18588	18096	16903	16517	15326	14264	13781	12754	12198	11696	10479	10093	9978	9014	8562	7869	6993	6071	5593	5173
Emmet	19351	16125	16362	14688	14938	13854	12701	12691	12277	11670	10797	9988	9917	10703	9788	8339	8173	7060	5998	6080	5799
Fayette	16911	14622	15092	14347	14449	13285	11517	11987	10892	10380	10327	8669	8506	8638	7359	7656	7168	6007	5369	5084	4727
Floyd	18237	16522	16926	16063	15950	14160	13097	13156	12371	11558	11488	10003	9942	9685	8732	8400	7855	7156	6177	5921	5445
Franklin	19022	15149	17732	15252	15870	14724	13386	13754	13487	11990	11418	9715	9517	10127	8385	8112	8273	6470	6186	6956	6226
Fremont	19069	15265	17250	15409	14725	14166	13563	12722	13587	12654	11017	11684	10542	10697	9414	8690	8275	6402	6873	5880	5201

Table 1. Per Capita Income in Iowa Counties, 1974-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Greene	19869	16209	18143	15729	15132	15344	13202	13798	13306	11941	11145	11227	10939	11390	9857	9488	9205	5871	6560	6918	6537
Grundy	20571	18217	19456	17595	17125	15295	14134	14527	13494	12717	12588	11535	11530	11933	10173	9784	9077	7831	6931	6957	6588
Guthrie	18649	16588	17253	16061	15943	15144	13034	13250	12146	11631	10855	9392	9786	9731	7757	7746	7461	5765	5664	5325	4890
Hamilton	21310	17711	18842	17716	16826	17221	14035	14660	14218	13503	12522	12081	11699	11934	10095	9566	8949	7306	6701	6963	6187
Hancock	18564	14954	16324	14280	15195	13702	13149	12906	13155	12584	11991	10916	10634	10883	8756	8566	8410	7333	6418	6808	6099
Hardin	19616	16989	17613	16250	16104	14655	13282	13912	13499	12612	11944	11024	10649	10882	9459	8855	8453	6886	6563	6310	5863
Harrison	17635	15562	16344	14509	13993	13006	12234	11952	11728	11777	10645	9536	9646	9693	7680	7707	7400	5800	5307	5459	4595
Henry	18671	17144	16733	15779	15509	14234	13439	12942	12425	12040	11330	10219	10118	9953	8739	8468	7922	7008	6650	6217	5287
Howard	18020	14985	15700	14767	14920	13802	11813	12680	12043	10830	11153	8887	8763	9048	7481	7759	7397	6440	5304	4923	4422
Humboldt	20707	16760	17852	15273	15687	15838	13518	13335	12601	11622	11475	10452	10758	10913	8819	8592	8733	7044	6277	6900	6239
Ida	18892	16451	17411	15761	15974	15261	14080	13656	12496	12075	11543	8544	9338	9779	7114	7876	8302	6264	4859	5719	5650
Iowa	21395	19197	19444	17255	16573	15459	13749	14348	12801	12675	12652	10060	9832	9984	8354	8361	8188	6779	6284	5752	5002
Jackson	17597	16327	16039	14842	14681	13657	12294	12276	11122	10700	10627	8803	8991	9017	7697	7455	7246	6155	5716	5225	4699
Jasper	20255	18368	18360	17171	16916	15983	14814	14855	13990	13399	13052	11829	11227	11127	9601	9024	8459	7085	6731	6184	5706
Jefferson	17824	15891	16240	15153	15255	14239	12980	13048	12447	11311	10823	9026	8679	9016	7721	7721	7076	6208	6009	5663	5535
Johnson	21545	20061	18894	17914	17137	16218	14721	14037	13548	12792	12312	11507	10967	10539	9621	8749	8093	7092	6217	5708	4963
Jones	15640	14199	14373	13480	13882	12984	11538	11595	10685	10322	10183	8401	8501	8764	7424	7457	7290	6009	5455	5418	4965
Keokuk	17759	15592	16150	15294	15373	14578	12480	14065	12602	12027	11610	9932	9897	9435	7921	7936	7907	6505	5948	5998	4971
Kossuth	19383	15177	16950	14646	15583	15437	14018	13630	13440	11919	11378	10439	9927	10230	8596	7982	8178	6816	5873	6769	6269
Lee	18322	16854	16620	15943	15375	14416	13374	12885	12711	12389	11883	10896	10586	10387	9194	8708	7974	6878	6375	5827	5250
Linn	22577	21232	20422	19387	18870	17924	16566	15661	14798	14025	13249	12519	12136	11649	10661	9956	8789	7831	7093	6397	5851
Louisa	18360	16371	17024	15221	15533	14302	12955	12994	12418	11556	11359	9554	10471	10199	8782	7668	7107	6339	5980	6041	5175
Lucas	17647	16187	16272	15187	15200	14489	13396	12818	12189	11218	10595	9945	9859	9543	8561	7797	7552	6107	6243	5453	4781
Lyon	17295	14065	15355	14671	14148	13801	11770	12264	11786	11414	10941	9196	9795	9463	7284	8083	7623	5974	4711	5142	4826
Madison	19103	17051	16989	15969	15840	14977	13465	13165	12571	11876	11128	10048	10171	9567	8490	7864	7692	6539	6584	5890	5034
Mahaska	18022	16152	16200	15389	15221	14168	12855	13253	12650	11901	11114	9978	10145	10007	8477	8310	8005	6625	6199	5812	5236
Marion	20123	18612	18036	16939	16607	15636	14721	14583	13557	12865	12311	11691	11045	10648	9246	8888	8146	6734	6670	6361	5716
Marshall	20748	18916	18879	17897	17285	16398	14516	14388	13653	13204	12697	12007	11568	11373	10273	9423	8739	7535	7368	6751	6147
Mills	21874	19826	20612	19355	18614	17320	16625	15802	14729	13315	11931	10775	10599	9997	8805	8207	8287	6866	6834	6394	5558
Mitchell	20236	17119	18539	17302	17548	16026	13899	14992	14023	12731	12400	10046	9718	9505	7738	7769	7832	6740	5377	5763	4875
Monona	18286	15629	16561	14541	14755	14095	12379	11962	11912	11293	10389	9205	10414	10626	7384	7204	7710	6308	4869	6042	5229
Monroe	18818	16863	16666	15761	15250	13824	12935	12339	11102	10673	10200	9172	9210	8632	7971	7127	6750	5883	5777	5155	4571
Montgomery	18861	16897	17425	16404	15767	15237	13576	13250	12865	11835	11310	10609	10806	10567	9178	9534	8308	6968	6727	5918	5508
Muscatine	21742	20438	19629	18061	17720	16429	15413	14792	14151	13800	13323	12173	11840	11468	10097	9111	8372	7460	6973	6359	5547
O'Brien	19579	16461	17455	16710	16446	15541	14770	14091	13454	12570	11798	10587	10591	10305	8670	8548	8608	7213	6273	6398	5886
Osceola	18566	14114	16143	15327	14941	14074	12909	12376	11519	10462	10124	9087	9040	9838	8375	8225	8468	7090	5590	6388	5317

Table 1. Per Capita Income in Iowa Counties, 1974-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Page	19425	17540	17794	16499	16020	15189	13331	13322	13099	11718	10581	10222	9873	9584	8364	8381	7634	6652	6524	5819	5040
Palo Alto	19206	15119	16587	14279	15189	14033	12897	13178	12587	11983	10266	9436	9805	10288	9176	7907	8158	6749	5619	6075	5625
Plymouth	19163	17497	18021	17043	16475	15264	13110	13877	12584	12297	11371	9287	9678	9503	7329	7935	8022	6373	5499	5711	5119
Pocahontas	20070	15151	17634	15326	15175	15275	13373	13072	13602	13012	10691	9758	10727	11386	8975	8130	8716	7131	5391	6496	6270
Polk	24346	23121	22334	21160	20331	19101	17823	16605	15845	15219	14613	13792	13181	12464	11464	10637	9399	8444	7503	6808	6183
Pottawattamie	18401	16969	16730	15721	15113	14151	13586	13117	12767	12347	11810	10967	10507	10159	8998	8330	7889	6784	6202	5479	5142
Poweshiek	19621	17789	17709	16692	16358	15538	14137	14318	13417	12102	12023	10547	10439	10215	8650	8553	8165	6790	6553	6047	5529
Ringgold	16462	13607	14723	13325	13468	13362	11142	11865	11135	9359	8266	8159	8875	8187	7186	6767	7075	5480	6075	5384	4513
Sac	17960	15446	16751	15292	15212	14502	13335	12946	13208	11647	11308	9851	10314	11166	8555	9166	8735	6813	5781	6287	6139
Scott	21168	20028	19281	18426	17994	16625	15419	14729	14069	13657	13182	12215	11939	11742	10697	9793	8715	7805	7009	6424	5983
Shelby	18636	15995	16895	15886	15613	14717	13243	13102	11967	12082	11140	9295	9742	9993	7668	8454	8405	5990	5551	5379	5047
Sioux	17160	15603	15989	15079	14567	13819	12331	12526	11892	11860	11377	9347	8949	9575	7956	8148	8046	6241	5597	5182	5190
Story	19443	17962	17381	16326	15424	14698	13438	13134	12360	11798	11115	10314	9911	9419	8592	7902	7206	6148	5645	5160	4694
Tama	18696	16353	16332	15418	15566	14454	13495	13664	12815	12126	11530	10023	10445	10559	8650	7979	7838	6834	6438	6294	5413
Taylor	15034	12721	13723	12784	12358	11584	10238	11264	10999	10176	8568	8286	8935	8312	7127	7335	6783	5868	5941	5154	4264
Union	17242	15653	15684	14711	14504	13643	12603	12128	11751	11251	10465	9981	10039	9211	8249	7566	6904	6005	5915	5230	4649
Van Buren	15626	13492	13986	12787	12748	11767	10544	10914	10229	9649	8961	7931	8147	7937	6822	6957	6805	5847	5612	5276	4459
Wapello	17996	16597	16312	15612	15056	14007	12630	12020	11470	11193	10884	10183	10039	9624	9060	8212	7289	6514	5901	5362	4802
Warren	19192	17886	17480	16499	15875	14564	13347	12623	12015	11762	11252	10560	10272	9891	9094	8586	7906	6717	6352	5796	5153
Washington	19172	17307	17351	16805	16784	15309	13632	14264	13582	13489	13410	11719	11640	11351	9384	9388	8760	7132	6653	6762	5389
Wayne	16662	14113	14478	13545	13627	12979	11583	11958	11441	10477	9613	8918	8970	8654	7507	7219	6916	5177	5518	5088	4259
Webster	19741	17489	17458	16261	15296	14703	13184	12825	12650	11698	11256	11091	10901	10837	9908	9125	8263	7049	6420	6076	5684
Winnebago	21117	17609	18117	16066	16729	16043	15811	14989	14104	13209	13079	10982	10206	9863	8366	8327	8345	7767	6826	6666	5452
Winneshiek	18188	16448	16303	15230	15419	13960	12149	12441	11447	10405	10272	7757	7924	7822	6380	6288	6442	5540	5010	4609	4177
Woodbury	20744	19313	18974	17142	16397	15442	14514	14072	13082	12551	11992	11368	11047	10774	9456	8814	8246	7406	6711	6169	5534
Worth	18530	14761	16027	14846	15623	14309	13396	13680	12759	12103	11908	9669	9317	9267	7373	7603	8115	6855	5936	6463	5475
Wright	19119	15611	17092	15400	15572	16045	14055	13786	13487	12716	13001	11870	11574	11436	9861	9454	9103	7817	6793	7171	6569
State of Iowa	20199	18407	18267	17091	16684	15647	14332	13936	13209	12575	12049	11010	10791	10617	9346	8844	8209	7081	6413	6046	5475
Counties:																					
Range: Low	14500	12721	12844	12282	12188	11584	9948	10293	9642	9084	8131	7154	7377	6917	5865	5741	5942	4673	4711	4274	3995
High	24346	23121	22334	21160	20331	19101	17823	16605	15845	15219	14613	13792	13181	12464	11464	10637	9399	8444	7503	7171	6588
Number Inc.	99	31	99	66	94	99	56	95	97	96	97	58	55	99	73	80	99	87	68	98	
United States	21696	20812	20147	19201	18666	17690	16610	15638	14906	14155	13332	12223	11583	11009	9940	9017	8117	7267	6629	6045	5628

Table 2. Adjusted Per Capita Income (1994 Dollars) in Iowa Counties, 1974-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Adair	18226	15645	17222	16142	17096	17118	15316	16045	16480	14567	13722	12225	13459	14330	12533	15080	17250	14180	15889	14508	14306
Adams	17440	14946	16387	15530	16280	16119	14300	16172	16064	14101	13010	12999	13955	14363	12528	14644	16010	13767	16571	14502	13328
Allamakee	16383	15288	15694	15046	16266	15738	14564	15630	14872	13823	14080	11430	12512	13148	12064	13851	15182	14768	15823	13964	13299
Appanoose	15956	15137	15405	14986	15075	14885	14360	14403	14033	13152	13137	13050	13283	13529	13645	14746	14618	14309	14866	14050	13857
Audubon	18884	16598	18512	17827	17784	18084	15972	17400	15640	15290	14072	11714	13118	15075	12923	14600	17083	13886	14492	14970	14691
Benton	18210	16885	17547	16790	17367	17471	16134	17290	17360	15948	16344	14993	15246	16339	15360	17185	18611	16265	15937	16402	15945
Black Hawk	19444	18475	18372	17682	17958	17582	16894	16579	16166	16149	16454	16551	16863	17763	17874	18645	18427	18146	16650	16337	16071
Boone	21465	19632	19907	18919	19053	19487	18372	18769	18229	17198	16844	16703	16590	17328	17155	18083	18911	15648	16571	17258	16964
Bremer	19027	17614	18129	17144	17423	16907	15966	16190	15816	15822	15882	14817	15087	16046	15596	16714	17312	16649	15347	15148	15323
Buchanan	17663	16120	16963	16535	16888	16248	14988	16010	14641	14266	14430	12378	13321	14392	13637	15196	16015	14811	14230	15022	14764
Buena Vista	18824	16728	17704	17284	17622	17949	17093	17195	17603	17065	15922	15113	15572	17245	16274	17659	18874	17605	14622	16973	17202
Butler	17480	15910	17212	16340	16837	15373	15082	16360	15856	15936	15747	13649	13937	15126	14702	16065	17696	15519	14744	15412	14559
Calhoun	20540	16934	19231	16676	17195	18050	17296	17311	17438	16683	16042	15711	15720	17862	17029	18340	18480	15354	13836	16187	17126
Carroll	19722	17926	19311	18554	18650	18618	18368	18814	17973	17496	17521	16499	17053	18604	17313	18659	19356	15980	14673	15622	15581
Cass	18773	17093	18308	17565	17693	18096	16641	17360	17050	16544	16277	15451	15723	16901	15192	17262	18212	16542	16909	15436	15572
Cedar	20031	18355	18913	18242	19018	18876	17481	18084	17026	16920	17520	15180	15696	17009	15483	17854	19344	16802	16607	18288	16289
Cerro Gordo	20120	18636	18863	18407	18877	18046	18113	18331	17885	17417	17662	17011	16603	17307	16771	17665	18367	17524	16889	16625	16218
Cherokee	20487	16612	18054	17989	18285	17825	17551	17283	16774	15922	15544	14067	14800	16044	14654	16059	17559	15629	14022	16534	16867
Chickasaw	18669	16715	17847	17222	17598	17144	16230	17102	16107	15562	15547	13519	13884	15377	14519	16409	17536	16460	14357	14844	15202
Clarke	15518	14110	14982	14677	15458	15513	14604	15287	14928	14023	12960	12943	13486	13618	13522	13869	14860	14321	13999	13498	13261
Clay	20477	17661	18580	17624	18639	18561	17867	17582	17294	16159	15228	14700	15270	16673	16692	17942	18818	18946	17064	17239	16641
Clayton	16538	15527	16511	15674	16852	16229	14729	16062	15442	14108	14568	10829	12148	13255	11584	13821	15082	13511	13355	13264	13076
Clinton	18834	17731	18342	17631	17836	17616	16868	16987	16594	16309	16607	15432	15687	16930	16597	17448	17567	16403	15663	15503	15214
Crawford	19486	17480	18201	16988	17035	16486	16251	16277	16125	14831	14969	13371	14416	15878	13142	14829	16441	13872	12742	14217	14060
Dallas	21892	20789	20810	19866	19945	20025	19103	19331	18802	17910	18154	17784	17644	18172	16915	18456	18403	17319	17533	17567	17831
Davis	16430	15570	15678	14534	15330	13982	13247	13711	13618	12992	13068	12218	12901	12754	12501	13618	13871	12307	13263	13189	12847
Decatur	14500	13089	13540	13323	13754	13901	12386	13329	12934	12372	11467	10435	11089	11019	10301	11440	13198	11169	12034	11502	11733
Delaware	16720	15414	16557	16577	18082	16831	15589	17112	15949	14569	14852	11481	12456	13901	11974	14787	16432	14214	13584	15339	13980
Des Moines	19801	18881	18791	18434	18778	18338	18019	18194	18123	17641	17651	16754	16617	17244	17289	18566	18556	17993	17357	16878	16870
Dickinson	22106	20363	20939	19724	20617	20332	19047	18943	18432	17308	18029	16378	16258	16947	16288	17830	19125	17742	16222	16736	16935
Dubuque	19891	19058	19077	18336	18640	18205	17760	17845	17108	16614	16495	15285	15171	15896	15831	17061	17479	16714	15446	15051	15193
Emmet	19351	16533	17249	15933	16858	16456	15814	16434	16468	15895	15227	14569	14906	17051	17190	16617	18154	16874	15261	16362	17032
Fayette	16911	14992	15910	15563	16306	15780	14340	15522	14610	14138	14564	12645	12786	13761	12924	15256	15922	14357	13660	13681	13883
Floyd	18237	16940	17843	17425	18000	16820	16307	17036	16594	15742	16201	14591	14944	15429	15336	16738	17448	17103	15716	15934	15992
Franklin	19022	15532	18693	16545	17909	17490	16667	17810	18091	16330	16102	14171	14305	16133	14726	16164	18376	15464	15739	18719	18286
Fremont	19069	15651	18185	16715	16617	16827	16888	16474	18225	17235	15537	17043	15846	17041	16534	17316	18380	15301	17487	15823	15276

Table 2. Adjusted Per Capita Income (1994 Dollars) in Iowa Counties, 1974-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Greene	19869	16619	19126	17062	17077	18226	16438	17867	17848	16264	15717	16376	16443	18145	17312	18906	20446	14032	16690	18617	19199
Grundy	20571	18678	20510	19087	19326	18168	17599	18811	18100	17321	17753	16825	17331	19010	17867	19496	20162	18717	17634	18722	19349
Guthrie	18649	17008	18188	17423	17992	17989	16229	17158	16292	15842	15309	13700	14710	15502	13623	15435	16572	13779	14411	14330	14362
Hamilton	21310	18159	19863	19218	18988	20456	17475	18984	19072	18391	17659	17622	17585	19012	17730	19062	19878	17462	17049	18738	18171
Hancock	18564	15332	17209	15491	17148	16276	16372	16712	17646	17140	16911	15923	15984	17338	15378	17069	18680	17526	16329	18321	17913
Hardin	19616	17419	18567	17628	18174	17408	16538	18015	18107	17178	16844	16080	16007	17336	16613	17645	18776	16458	16698	16981	17220
Harrison	17635	15956	17230	15739	15791	15449	15233	15477	15732	16040	15012	13910	14499	15442	13488	15357	16437	13862	13503	14691	13496
Henry	18671	17578	17640	17117	17502	16908	16733	16759	16667	16399	15978	14906	15209	15856	15348	16874	17596	16750	16919	16730	15528
Howard	18020	15364	16551	16019	16837	16395	14709	16420	16154	14751	15729	12963	13172	14414	13139	15461	16430	15392	13495	13248	12988
Humboldt	20707	17184	18819	16568	17703	18813	16832	17268	16903	15829	16183	15246	16171	17385	15489	17121	19398	16836	15970	18568	18324
Ida	18892	16867	18355	17097	18027	18128	17531	17684	16762	16446	16279	12463	14036	15579	12494	15694	18440	14971	12363	15390	16594
Iowa	21395	19682	20498	18718	18703	18363	17119	18580	17171	17263	17843	14674	14779	15905	14672	16661	18187	16202	15988	15479	14691
Jackson	17597	16740	16908	16100	16568	16222	15308	15897	14919	14574	14987	12840	13515	14365	13518	14855	16095	14711	14543	14061	13801
Jasper	20255	18833	19355	18627	19090	18985	18445	19236	18766	18250	18407	17254	16876	17726	16862	17982	18789	16934	17126	16642	16759
Jefferson	17824	16293	17120	16438	17215	16914	16162	16896	16696	15406	15263	13166	13046	14363	13560	15385	15717	14838	15289	15240	16256
Johnson	21545	20568	19918	19433	19339	19264	18329	18177	18173	17423	17363	16785	16485	16790	16897	17434	17976	16950	15818	15361	14577
Jones	15640	14558	15152	14623	15666	15423	14366	15015	14333	14059	14361	12254	12778	13962	13039	14859	16193	14362	13879	14580	14582
Keokuk	17759	15986	17025	16590	17349	17316	15539	18213	16904	16381	16373	14487	14876	15031	13911	15814	17563	15547	15133	16141	14600
Kossuth	19383	15561	17869	15888	17586	18337	17454	17650	18028	16234	16046	15227	14921	16297	15097	15905	18165	16291	14943	18216	18412
Lee	18322	17280	17521	17295	17351	17124	16652	16685	17050	16874	16758	15893	15912	16547	16147	17352	17712	16439	16220	15681	15419
Linn	22577	21769	21529	21030	21295	21291	20627	20280	19850	19102	18685	18261	18242	18558	18724	19839	19522	18717	18047	17215	17185
Louisa	18360	16785	17947	16511	17529	16989	16131	16826	16657	15739	16019	13936	15739	16248	15424	15280	15786	15151	15215	16257	15199
Lucas	17647	16596	17154	16474	17153	17211	16680	16598	16350	15279	14942	14506	14819	15203	15035	15537	16774	14596	15884	14674	14042
Lyon	17295	14421	16187	15915	15966	16393	14655	15881	15809	15546	15430	13414	14723	15075	12793	16107	16932	14278	11986	13837	14174
Madison	19103	17482	17910	17323	17876	17790	16766	17048	16862	16175	15694	14656	15288	15241	14911	15670	17085	15629	16752	15850	14785
Mahaska	18022	16560	17078	16694	17177	16829	16006	17162	16968	16209	15674	14554	15249	15942	14888	16559	17781	15834	15772	15640	15378
Marion	20123	19083	19013	18375	18741	18573	18329	18884	18185	17522	17362	17053	16602	16963	16239	17711	18094	16095	16970	17118	16788
Marshall	20748	19394	19902	19414	19506	19478	18074	18631	18314	17984	17906	17514	17388	18118	18042	18777	19411	18009	18746	18167	18054
Mills	21874	20327	21729	20996	21006	20573	20700	20462	19757	18135	16826	15717	15932	15926	15464	16354	18407	16410	17388	17207	16324
Mitchell	20236	17552	19544	18769	19803	19036	17306	19414	18810	17340	17487	14654	14607	15142	13590	15481	17396	16109	13681	15509	14318
Monona	18286	16024	17458	15774	16651	16743	15413	15490	15978	15381	14651	13427	15653	16928	12968	14355	17125	15077	12388	16259	15358
Monroe	18818	17289	17569	17097	17210	16421	16106	15978	14892	14537	14385	13379	13844	13752	13999	14202	14993	14061	14698	13872	13425
Montgomery	18861	17324	18369	17795	17793	18099	16904	17158	17257	16119	15950	15475	16243	16834	16119	18998	18454	16654	17115	15926	16177
Muscatine	21742	20955	20693	19592	19997	19515	19191	19155	18982	18796	18789	17756	17797	18270	17733	18155	18596	17830	17741	17112	16292
O'Brien	19579	16877	18401	18127	18560	18460	18390	18247	18047	17120	16638	15443	15920	16417	15227	17033	19120	17240	15960	17217	17287
Osceola	18566	14471	17018	16626	16861	16718	16073	16026	15451	14249	14278	13255	13588	15673	14709	16390	18809	16946	14223	17191	15616

Table 2. Adjusted Per Capita Income (1994 Dollars) in Iowa Counties, 1974-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Page	19425	17984	18758	17898	18079	18042	16599	17251	17571	15960	14922	14910	14840	15268	14689	16700	16957	15899	16599	15659	14803
Palo Alto	19206	15501	17486	15489	17141	16669	16058	17065	16884	16321	14478	13764	14738	16390	16116	15756	18121	16131	14296	16348	16521
Plymouth	19163	17939	18998	18488	18592	18131	16324	17970	16880	16749	16036	13546	14547	15139	12872	15812	17818	15232	13991	15369	15035
Pocahontas	20070	15534	18590	16625	17125	18144	16651	16927	18245	17722	15077	14233	16124	18139	15763	16200	19360	17044	13716	17481	18415
Polk	24346	23706	23544	22954	22944	22689	22192	21502	21254	20728	20608	20118	19813	19856	20134	21196	20877	20182	19090	18321	18160
Pottawattamie	18401	17398	17637	17054	17055	16809	16916	16986	17125	16817	16655	15997	15793	16184	15803	16599	17523	16214	15780	14744	15102
Poweshiek	19621	18239	18669	18107	18460	18457	17602	18541	17997	16483	16956	15384	15691	16273	15192	17043	18136	16229	16673	16273	16239
Ringgold	16462	13951	15521	14455	15199	15872	13873	15364	14936	12747	11657	11901	13340	13043	12621	13484	15715	13098	15457	14489	13255
Sac	17960	15837	17659	16588	17167	17226	16604	16764	17717	15863	15947	14369	15503	17789	15025	18265	19402	16284	14708	16919	18030
Scott	21168	20534	20326	19988	20306	19748	19199	19073	18872	18601	18590	17817	17946	18706	18787	19514	19358	18655	17833	17287	17572
Shelby	18636	16400	17811	17233	17619	17481	16489	16966	16052	16456	15710	13558	14643	15920	13467	16846	18669	14317	14123	14475	14823
Sioux	17160	15998	16855	16357	16439	16415	15354	16220	15952	16153	16045	13634	13451	15254	13973	16236	17872	14917	14240	13945	15243
Story	19443	18416	18323	17710	17406	17459	16732	17008	16579	16069	15675	15044	14897	15005	15090	15746	16006	14694	14362	13886	13786
Tama	18696	16767	17217	16725	17566	17169	16803	17694	17190	16516	16260	14620	15700	16821	15192	15899	17410	16334	16380	16938	15898
Taylor	15034	13043	14467	13868	13946	13760	12748	14586	14754	13860	12083	12086	13430	13242	12517	14616	15066	14025	15116	13870	12524
Union	17242	16049	16534	15958	16368	16206	15692	15705	15762	15324	14759	14559	15090	14674	14488	15076	15335	14352	15049	14074	13654
Van Buren	15626	13833	14744	13871	14386	13977	13129	14133	13721	13142	12637	11568	12246	12644	11981	13863	15115	13975	14279	14198	13096
Wapello	17996	17017	17196	16935	16991	16638	15726	15565	15386	15245	15349	14853	15090	15332	15912	16364	16190	15569	15014	14430	14104
Warren	19192	18338	18427	17898	17915	17300	16619	16346	16117	16020	15868	15403	15440	15757	15972	17109	17561	16054	16161	15597	15135
Washington	19172	17745	18291	18230	18941	18185	16973	18471	18219	18372	18912	17094	17496	18083	16481	18707	19458	17046	16927	18197	15828
Wayne	16662	14470	15263	14693	15378	15417	14422	15485	15347	14270	13557	13008	13483	13787	13184	14385	15362	12373	14039	13692	12509
Webster	19741	17931	18404	17639	17262	17465	16416	16607	16968	15933	15874	16178	16385	17264	17401	18183	18354	16848	16334	16351	16694
Winnebago	21117	18054	19099	17428	18879	19057	19687	19410	18919	17991	18445	16019	15341	15713	14693	16593	18536	18564	17367	17939	16013
Winneshiek	18188	16864	17186	16521	17401	16582	15127	16110	15355	14172	14486	11315	11911	12461	11205	12530	14309	13241	12747	12403	12268
Woodbury	20744	19801	20002	18595	18504	18343	18072	18222	17548	17095	16912	16582	16605	17164	16607	17563	18316	17701	17075	16601	16254
Worth	18530	15134	16896	16105	17631	16997	16680	17715	17115	16484	16794	14104	14005	14763	12949	15150	18025	16384	15103	17392	16080
Wright	19119	16006	18018	16705	17573	19059	17500	17852	18091	17319	18335	17314	17397	18219	17319	18839	20220	18683	17283	19298	19293
State of Iowa	20199	18873	19257	18540	18828	18586	17845	18046	17718	17127	16992	16060	16220	16914	16414	17623	18234	16924	16316	16270	16080
Counties:																					
Range: Low	14500	13043	13540	13323	13754	13760	12386	13329	12934	12372	11467	10435	11089	11019	10301	11440	13198	11169	11986	11502	11733
High	24346	23706	23544	22954	22944	22689	22192	21502	21254	20728	20608	20118	19813	19856	20134	21196	20877	20182	19090	19298	19349
Number Inc.	99	9	98	10	71	93	18	76	92	63	93	24	8	85	3	9	97	64	50	66	
United States	21696	21338	21239	20829	21065	21013	20681	20250	19995	19279	18802	17829	17411	17538	17457	17968	18029	17369	16866	16268	16530

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1994 dollars) for Iowa Counties in Selected Periods, 1974-1994.

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1974-1994			1984-1994			1989-1994			1974-1994			1984-1994			1989-1994		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Adair	13355	274.2	12	8496	87.3	7	3815	26.5	3	3920	27.4	10	4504	32.8	5	1108	6.5	2
Adams	12902	284.3	14	8215	89.1	7	3870	28.5	3	4112	30.9	12	4430	34.1	7	1321	8.2	3
Allamakee	11855	261.8	15	6399	64.1	8	3134	23.7	4	3084	23.2	11	2303	16.4	6	645	4.1	3
Appanoose	11238	238.2	20	6641	71.3	10	3425	27.3	5	2099	15.1	12	2819	21.5	7	1071	7.2	3
Audubon	13882	277.5	15	8906	89.3	8	3660	24.0	4	4193	28.5	11	4812	34.2	7	800	4.4	3
Benton	12781	235.4	17	6621	57.1	8	3502	23.8	4	2265	14.2	9	1866	11.4	4	739	4.2	2
Black Hawk	13972	255.3	20	7777	66.7	10	4642	31.4	5	3373	21.0	13	2990	18.2	8	1862	10.6	4
Boone	15689	271.6	20	9521	79.7	10	5060	30.8	5	4501	26.5	11	4621	27.4	6	1978	10.2	2
Bremer	13810	264.7	18	7765	68.9	9	4794	33.7	4	3704	24.2	10	3145	19.8	5	2120	12.5	3
Buchanan	12636	251.4	16	7431	72.6	8	3984	29.1	4	2899	19.6	11	3233	22.4	6	1415	8.7	3
Buena Vista	12967	221.4	17	7534	66.7	9	3713	24.6	4	1622	9.4	9	2902	18.2	5	875	4.9	2
Butler	12523	252.6	17	6314	56.5	8	4538	35.1	4	2921	20.1	11	1733	11.0	6	2107	13.7	3
Calhoun	14709	252.3	17	9165	80.6	9	5344	35.2	4	3414	19.9	9	4498	28.0	5	2490	13.8	2
Carroll	14417	271.8	16	7298	58.7	9	4048	25.8	4	4141	26.6	11	2201	12.6	6	1104	5.9	3
Cass	13471	254.1	16	7231	62.6	8	3539	23.2	4	3201	20.6	10	2496	15.3	6	677	3.7	2
Cedar	14485	261.2	13	7608	61.2	7	4140	26.1	3	3742	23.0	11	2511	14.3	6	1155	6.1	3
Cerro Gordo	14598	264.4	20	7596	60.7	10	4928	32.4	5	3902	24.1	12	2458	13.9	5	2074	11.5	3
Cherokee	14744	256.7	16	9465	85.9	9	5481	36.5	4	3620	21.5	12	4943	31.8	8	2662	14.9	3
Chickasaw	13493	260.7	17	7645	69.3	8	4236	29.3	4	3467	22.8	11	3122	20.1	7	1525	8.9	3
Clarke	11003	243.7	16	6328	68.9	7	2458	18.8	3	2257	17.0	12	2558	19.7	6	5	0.0	2
Clay	14811	261.4	16	9679	89.6	8	4851	31.0	3	3836	23.1	11	5249	34.5	8	1916	10.3	3
Clayton	12086	271.5	14	6208	60.1	7	2875	21.0	3	3462	26.5	12	1970	13.5	6	309	1.9	3
Clinton	13654	263.6	18	7058	59.9	9	4004	27.0	4	3620	23.8	12	2227	13.4	6	1218	6.9	3
Crawford	14699	307.1	16	8872	83.6	9	5607	40.4	4	5426	38.6	11	4517	30.2	6	3000	18.2	3
Dallas	15821	260.6	20	9019	70.1	10	5034	29.9	5	4061	22.8	10	3738	20.6	5	1867	9.3	2
Davis	12056	275.6	17	7164	77.3	9	4659	39.6	4	3583	27.9	12	3362	25.7	6	2448	17.5	3
Decatur	10505	263.0	15	6369	78.3	8	2797	23.9	4	2767	23.6	11	3033	26.4	6	599	4.3	2
Delaware	11960	251.3	13	6189	58.8	7	2551	18.0	3	2740	19.6	10	1868	12.6	5	-111	-0.7	2
Des Moines	14057	244.7	20	7285	58.2	10	4363	28.3	5	2931	17.4	14	2150	12.2	7	1463	8.0	4
Dickinson	16340	283.4	17	9322	72.9	7	4989	29.1	3	5171	30.5	12	4077	22.6	7	1774	8.7	3
Dubuque	14718	284.5	20	8195	70.1	10	4565	29.8	5	4698	30.9	13	3396	20.6	7	1686	9.3	3
Emmet	13552	233.7	16	8554	79.2	8	5497	39.7	3	2319	13.6	10	4124	27.1	6	2895	17.6	3
Fayette	12184	257.8	15	6584	63.8	7	3626	27.3	3	3028	21.8	10	2347	16.1	6	1131	7.2	3

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1994 dollars) for Iowa Counties in Selected Periods, 1974-1994 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1974-1994			1984-1994			1989-1994			1974-1994			1984-1994			1989-1994		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Floyd	12792	234.9	18	6749	58.7	8	4077	28.8	4	2245	14.0	10	2036	12.6	6	1417	8.4	3
Franklin	12796	205.5	14	7604	66.6	7	4298	29.2	3	736	4.0	10	2920	18.1	6	1532	8.8	3
Fremont	13868	266.6	15	8052	73.1	8	4903	34.6	4	3793	24.8	11	3532	22.7	6	2242	13.3	3
Greene	13332	203.9	13	8724	78.3	7	4525	29.5	3	670	3.5	8	4152	26.4	6	1643	9.0	2
Grundy	13983	212.2	16	7983	63.4	8	5276	34.5	4	1222	6.3	10	2818	15.9	6	2403	13.2	3
Guthrie	13759	281.4	17	7794	71.8	8	3505	23.1	4	4287	29.8	11	3340	21.8	7	660	3.7	3
Hamilton	15123	244.4	15	8788	70.2	7	4089	23.7	3	3139	17.3	12	3651	20.7	6	854	4.2	3
Hancock	12465	204.4	15	6573	54.8	7	4862	35.5	3	651	3.6	10	1653	9.8	5	2288	14.1	3
Hardin	13753	234.6	17	7672	64.2	8	4961	33.9	4	2396	13.9	10	2772	16.5	6	2208	12.7	3
Harrison	13040	283.8	14	6990	65.7	8	4629	35.6	4	4139	30.7	10	2623	17.5	5	2186	14.1	3
Henry	13384	253.1	20	7341	64.8	10	4437	31.2	5	3143	20.2	12	2693	16.9	7	1763	10.4	3
Howard	13598	307.5	14	6867	61.6	6	4218	30.6	3	5032	38.7	12	2291	14.6	6	1625	9.9	3
Humboldt	14468	231.9	13	9232	80.5	7	4869	30.7	2	2383	13.0	10	4524	28.0	5	1894	10.1	2
Ida	13242	234.4	13	7349	63.7	8	3631	23.8	3	2298	13.8	10	2613	16.1	6	764	4.2	2
Iowa	16393	327.7	16	8743	69.1	8	5936	38.4	4	6704	45.6	12	3552	19.9	6	3032	16.5	4
Jackson	12898	274.5	18	6970	65.6	10	3940	28.8	5	3796	27.5	12	2610	17.4	6	1375	8.5	3
Jasper	14549	255.0	19	7203	55.2	9	4272	26.7	5	3496	20.9	11	1848	10.0	6	1270	6.7	3
Jefferson	12289	222.0	15	7001	64.7	7	3585	25.2	3	1568	9.6	12	2561	16.8	7	910	5.4	3
Johnson	16582	334.1	20	9233	75.0	10	5327	32.8	5	6968	47.8	16	4182	24.1	10	2281	11.8	5
Jones	10675	215.0	14	5457	53.6	7	2656	20.5	3	1058	7.3	10	1279	8.9	6	217	1.4	3
Keokuk	12788	257.3	15	6149	53.0	7	3181	21.8	3	3159	21.6	12	1386	8.5	7	443	2.6	3
Kossuth	13114	209.2	15	8005	70.4	8	3946	25.6	3	971	5.3	10	3337	20.8	5	1046	5.7	2
Lee	13072	249.0	20	6439	54.2	10	3906	27.1	5	2903	18.8	12	1564	9.3	6	1198	7.0	3
Linn	16726	285.9	20	9328	70.4	10	4653	26.0	5	5392	31.4	16	3892	20.8	9	1286	6.0	4
Louisa	13185	254.8	15	7001	61.6	7	4058	28.4	3	3161	20.8	11	2341	14.6	6	1371	8.1	3
Lucas	12866	269.1	17	7052	66.6	8	3158	21.8	3	3605	25.7	12	2705	18.1	7	436	2.5	2
Lyon	12469	258.4	15	6354	58.1	8	3494	25.3	4	3121	22.0	10	1865	12.1	6	902	5.5	2
Madison	14069	279.5	18	7975	71.7	10	4126	27.5	5	4318	29.2	13	3409	21.7	7	1313	7.4	3
Mahaska	12786	244.2	17	6908	62.2	8	3854	27.2	4	2644	17.2	13	2348	15.0	7	1193	7.1	3
Marion	14407	252.0	20	7812	63.5	10	4487	28.7	5	3335	19.9	13	2761	15.9	8	1550	8.3	4
Marshall	14601	237.5	20	8051	63.4	10	4350	26.5	5	2694	14.9	13	2842	15.9	7	1270	6.5	3
Mills	16316	293.6	18	9943	83.3	9	4554	26.3	4	5550	34.0	13	5048	30.0	7	1301	6.3	3
Mitchell	15361	315.1	14	7836	63.2	7	4210	26.3	3	5918	41.3	12	2749	15.7	6	1200	6.3	3

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1994 dollars) for Iowa Counties in Selected Periods, 1974-1994 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1974-1994			1984-1994			1989-1994			1974-1994			1984-1994			1989-1994		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Monona	13057	249.7	14	7897	76.0	8	4191	29.7	3	2928	19.1	10	3635	24.8	5	1543	9.2	2
Monroe	14247	311.7	19	8618	84.5	10	4994	36.1	5	5393	40.2	13	4433	30.8	8	2397	14.6	3
Montgomery	13353	242.4	17	7551	66.8	9	3624	23.8	4	2684	16.6	11	2911	18.3	6	762	4.2	3
Muscatine	16195	292.0	20	8419	63.2	10	5313	32.3	5	5450	33.5	15	2953	15.7	9	2227	11.4	4
O'Brien	13693	232.6	16	7781	66.0	9	4038	26.0	4	2292	13.3	12	2941	17.7	8	1119	6.1	3
Osceola	13249	249.2	16	8442	83.4	9	4492	31.9	4	2950	18.9	12	4288	30.0	7	1848	11.1	3
Page	14385	285.4	18	8844	83.6	9	4236	27.9	4	4622	31.2	12	4503	30.2	6	1383	7.7	3
Palo Alto	13581	241.4	13	8240	87.1	7	5173	36.9	3	2685	16.3	12	4728	32.7	7	2537	15.2	3
Plymouth	14044	274.4	14	7722	68.5	8	3829	25.5	4	4128	27.5	12	3127	19.5	7	1032	5.7	3
Pocahontas	13800	220.1	13	9379	87.7	7	4795	31.4	3	1655	9.0	9	4993	33.1	5	1926	10.6	2
Polk	18163	223.8	20	9733	66.6	10	5245	27.5	5	6186	34.1	17	3738	18.1	10	1657	7.3	5
Pottawattamie	13259	257.9	20	6591	55.8	10	4250	30.0	5	3299	21.8	11	1746	10.5	5	1592	9.5	3
Poweshiek	14092	254.9	19	7598	63.2	9	4083	26.3	5	3382	20.8	11	2665	15.7	6	1164	6.3	3
Ringgold	11949	264.8	14	8196	99.2	7	3100	23.2	3	3207	24.2	11	4805	41.2	6	590	3.7	2
Sac	11821	192.6	14	6652	58.8	8	3458	23.8	4	-70	-0.4	8	2013	12.6	4	734	4.3	2
Scott	15185	253.8	20	7986	60.6	10	4543	27.3	5	3596	20.5	14	2578	13.9	9	1420	7.2	4
Shelby	13589	269.2	15	7496	67.3	8	3919	26.6	4	3813	25.7	10	2926	18.6	6	1155	6.6	3
Sioux	11970	230.6	15	5783	50.8	8	3341	24.2	4	1917	12.6	12	1115	6.9	6	745	4.5	3
Story	14749	314.2	20	8328	74.9	10	4745	32.3	5	5657	41.0	14	3768	24.0	8	1984	11.4	4
Tama	13283	245.4	16	7166	62.2	8	4242	29.3	4	2798	17.6	11	2436	15.0	7	1527	8.9	3
Taylor	10770	252.6	15	6466	75.5	8	3450	29.8	4	2510	20.0	11	2951	24.4	6	1274	9.3	3
Union	12593	270.9	18	6777	64.8	9	3599	26.4	4	3588	26.3	12	2483	16.8	6	1036	6.4	3
Van Buren	11167	250.4	16	6665	74.4	8	3859	32.8	4	2530	19.3	12	2989	23.7	7	1649	11.8	3
Wapello	13194	274.8	20	7112	65.3	10	3989	28.5	5	3892	27.6	13	2647	17.2	7	1358	8.2	3
Warren	14039	272.4	20	7940	70.6	10	4628	31.8	5	4057	26.8	12	3324	20.9	8	1892	10.9	3
Washington	13783	255.8	16	5762	43.0	8	3863	25.2	4	3344	21.1	10	260	1.4	5	987	5.4	3
Wayne	12403	291.2	15	7049	73.3	7	3683	28.4	3	4153	33.2	11	3105	22.9	6	1245	8.1	2
Webster	14057	247.3	20	8485	75.4	10	5038	34.3	5	3047	18.3	8	3867	24.4	6	2276	13.0	3
Winnebago	15665	287.3	17	8038	61.5	8	5074	31.6	3	5104	31.9	10	2672	14.5	5	2060	10.8	2
Winneshiek	14011	335.4	16	7916	77.1	8	4228	30.3	4	5920	48.3	12	3702	25.6	6	1606	9.7	3
Woodbury	15210	274.8	20	8752	73.0	10	5302	34.3	5	4490	27.6	14	3832	22.7	8	2401	13.1	4
Worth	13055	238.4	14	6622	55.6	7	4221	29.5	3	2450	15.2	12	1736	10.3	6	1533	9.0	3
Wright	12550	191.0	15	6118	47.1	6	3074	19.2	2	-174	-0.9	9	784	4.3	4	60	0.3	2
State of Iowa	14724	268.9	20	8150	67.6	10	4552	29.1	5	4119	25.6	13	3207	18.9	7	1613	8.7	3
United States	16068	285.5	20	8364	62.7	10	4006	22.6	5	5166	31.3	15	2894	15.4	9	683	3.3	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 1988.

County trends for adjusted per capita income show more variation than when the unadjusted figures were examined. Between 1974 and 1994, differences between the highest and lowest counties reached \$7,000-\$7,999 in 4 years, \$8,000-\$8,999 in 6 years, \$9,000-\$9,999 in 9 years, and more than \$10,000 in 2 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, 10 or fewer counties had increases on five occasions: 1978 to 1979, 1979 to 1980, 1981 to 1982, 1990 to 1991, 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 1974 and 1994, Iowa's adjusted per capita income increased by \$4,119. Ninety-seven counties experienced gains (Table 3). Fourteen counties increased by at least \$5,000, with Iowa, Johnson, and Polk exceeding \$6,000. In Sac and Wright counties, adjusted per capita income was lower in 1994 than it had been 20 years earlier. None of the counties had increases in adjusted per capita income in all 20 year-to-year comparisons from 1974 through 1994. Polk increased 17 times, while Johnson and Linn had gains from one year to the next on 16 occasions. Eight counties increased in fewer than 10 of the 20 comparisons.

The state's percentage increase in adjusted per capita income from 1974 to 1994 was 25.6 percent. Gains ranged from less than 20 percent in 36 counties to more than 30 percent in 19 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 1984 is adjusted for inflation that occurred from that year to 1994, the increase is \$3,207 (+18.9%) (Table 3). All counties noted adjusted figures higher in 1994 than in 1984, indicating that buying power had increased. Similar results generally occur when the 1989-1994 period is examined.

Figure 1. Per capita income, 1994.

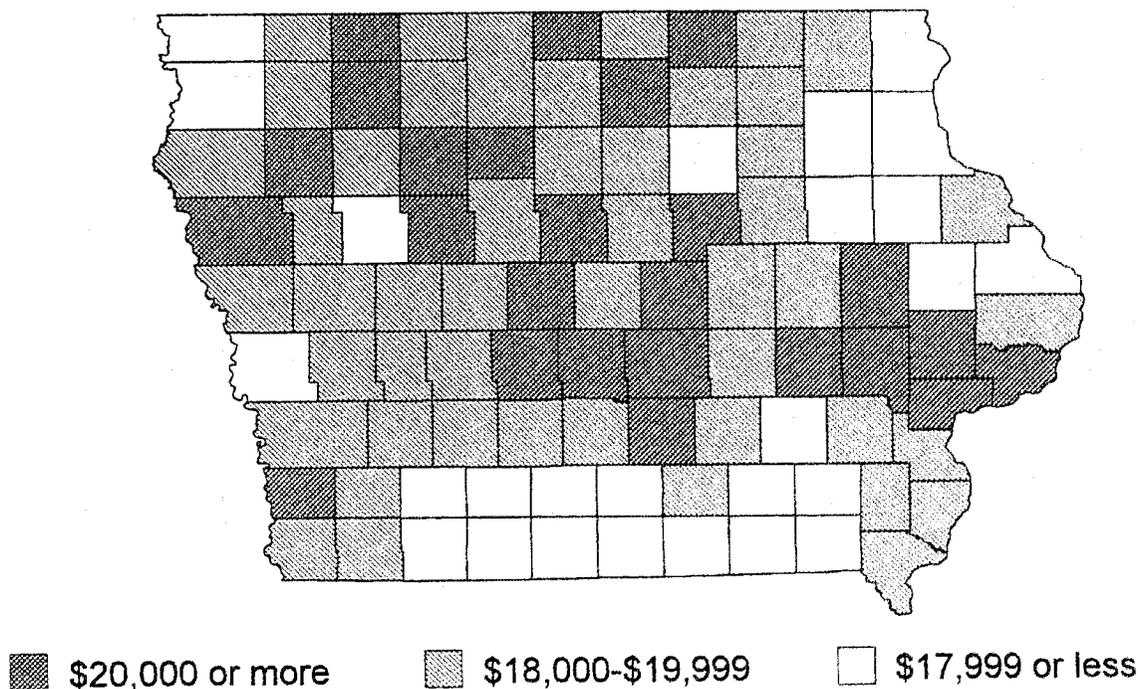


Figure 2. Per capita income in Iowa and the United States, 1974-1994.

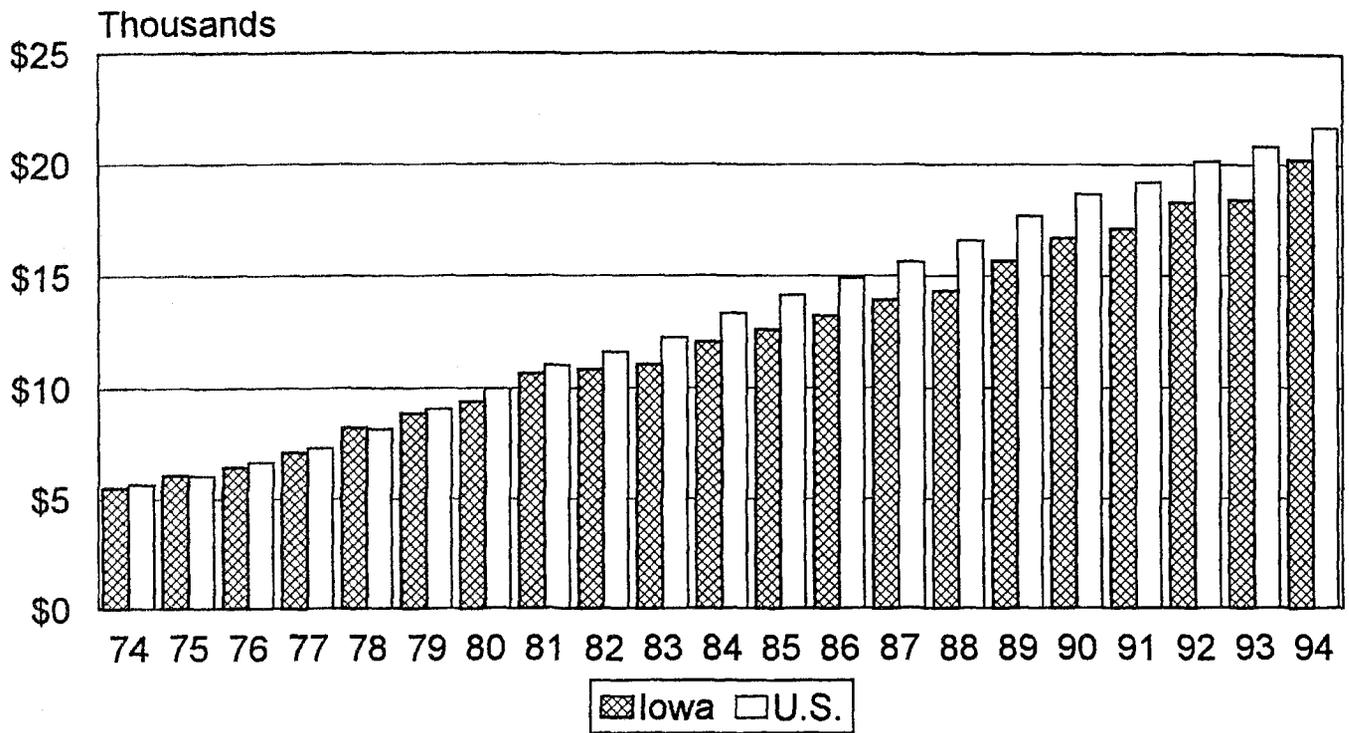
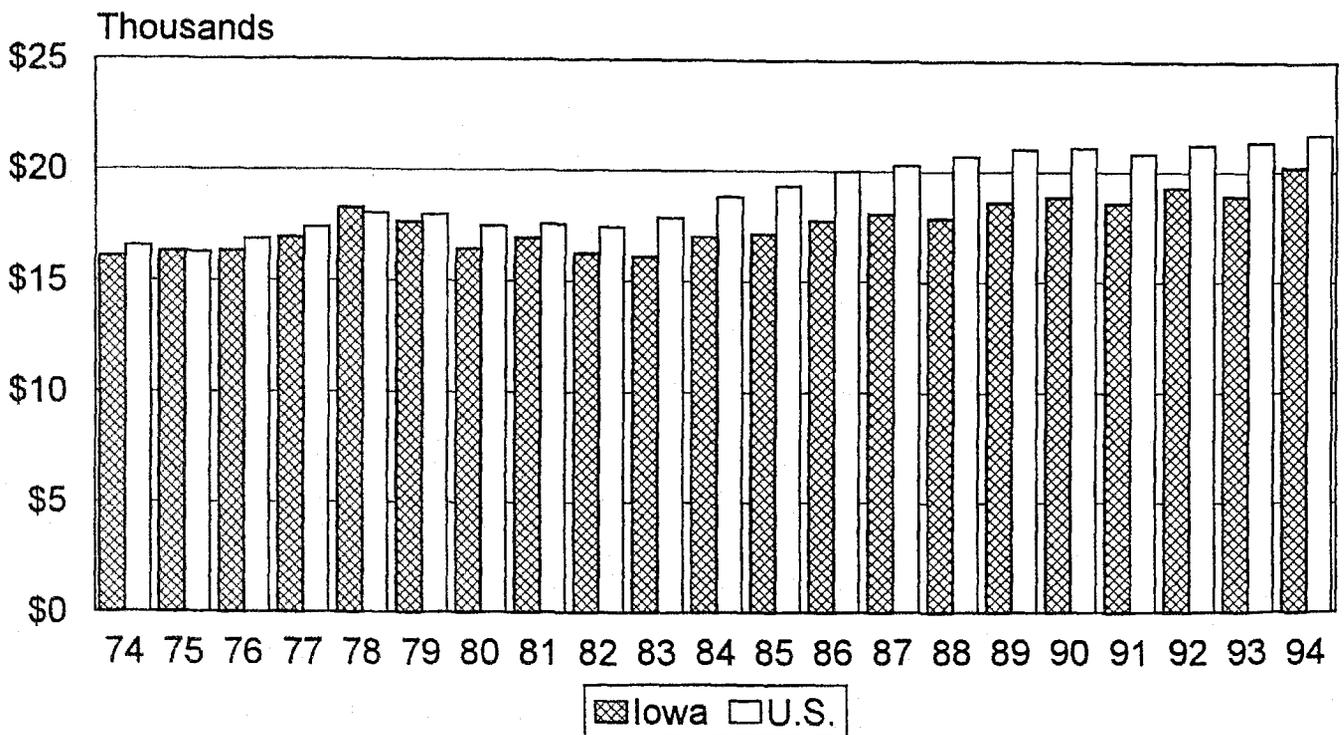


Figure 3. Adjusted per capita income (in 1994 dollars) in Iowa and the United States, 1974-1994.



Personal Income in Iowa's Counties:

1984-1994

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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 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 1994 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 \$57.1 billion in 1994, up \$5 billion from 1993 and \$23 billion from 1984 (Table 1). In 1994, income ranged from \$79.4 million in Adams to \$8.4 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 65.9 percent from 1984 to 1994 in Iowa; gains occurred in all counties. Four (Adams, Ringgold, Taylor, Wayne) increased by less than \$40 million; four others (Johnson, Linn, Polk, Scott) each gained more than \$1 billion from 1984 to 1994.

When inflation is taken into account, however, increases in total personal income show a somewhat different pattern (Table 2). Adjusted income increased between 1984 and 1994 but not annually. Instead, only 6 of the 10 year-to-year comparisons produced gains; the total increase for the period was \$8.6 billion or 17.6 percent. County patterns also differed; three (Hancock, Worth, Wright) counties had lower total personal income in 1994 than in 1984 after inflation was included in the calculations. Gains in adjusted income in the remaining 96 counties were greatest in Polk (+\$2.0 billion), Linn (+\$898 million), and Johnson (+\$629 million); eleven others increased by at least \$100 million from 1984 to 1994.

Nonfarm Earnings

Of the four categories that are summed to yield total personal income, nonfarm earnings constitutes by far the largest share (\$35.5 billion, or 62.0% of the total in 1994) (Table 3). Statewide,

Table 1. Total Personal Income (in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	151842	128599	137119	125045	127099	121819	104931	106378	107343	96331	89883
Adams	79403	66969	72422	67744	69835	66536	57025	63980	61292	54376	49558
Allamakee	228412	208199	207157	192198	199182	183932	163188	169706	158564	147967	147942
Appanoose	219311	204491	201982	189870	183497	172230	158888	154561	145995	136918	134771
Audubon	131374	113536	125048	118920	115526	112536	96030	101688	91132	90596	82567
Benton	431271	384450	379331	349437	345376	328646	288754	296263	288924	264617	264480
Black Hawk	2405233	2241724	2167625	2031152	1972132	1837708	1694820	1604778	1536987	1557240	1575277
Boone	542605	483279	478209	442463	425440	411934	369905	363324	343003	321974	306565
Bremer	439881	398046	396584	362580	352843	325545	294984	289349	278373	279576	275902
Buchanan	376285	332526	337606	318890	311917	285274	251776	258180	230969	229028	228647
Buena Vista	377922	330567	337401	318047	311758	301345	273956	266326	267229	256582	234739
Butler	274764	243612	257813	238481	234532	204476	192942	202365	193270	196316	190899
Calhoun	237704	190509	210371	176960	175235	175586	161745	156528	154806	150444	144255
Carroll	423360	377784	393403	366401	353798	335554	316190	311832	292381	284568	278365
Cass	283698	250867	260871	243578	236818	231599	204980	207573	202091	198939	194883
Cedar	351576	313668	317187	294171	293952	276661	245567	245275	227227	227250	229273
Cerro Gordo	936794	846964	838179	798947	781947	709285	679845	662829	635771	614424	597118
Cherokee	283338	225645	239483	233252	228522	212905	202155	194158	186061	178591	172404
Chickasaw	249832	217268	224701	210307	207254	193541	177190	182798	171541	166584	164725
Clarke	126829	115012	118727	111960	113418	107560	96035	96261	90360	84609	77162
Clay	361107	304744	312707	286329	291477	276102	255710	242712	235459	222916	208782
Clayton	311696	285559	294011	272599	284594	261350	227960	240520	226600	210716	212947
Clinton	959406	886536	891857	828533	807047	758281	695953	675850	646664	640058	639877
Crawford	321382	281496	287783	261075	252424	233945	221921	216907	209555	196838	196279
Dallas	702391	640207	610561	555879	527951	497412	448621	430255	404874	383118	374716
Davis	139077	127548	123735	111435	113005	98209	89396	90504	88156	83683	82773
Decatur	117100	102897	104537	99975	101049	98153	84282	88503	84996	81146	74379
Delaware	306491	275269	287557	277530	289203	255730	226739	241110	218073	201138	199781
Des Moines	848784	789986	764033	727052	709532	657527	617358	599132	580345	564956	552551
Dickinson	342092	305925	302891	276321	272845	254217	226582	215163	204291	191737	194579
Dubuque	1754722	1635559	1580681	1467283	1427384	1323305	1233336	1195165	1114650	1081774	1045925
Emmet	218042	183902	189945	170439	172985	160787	148377	147437	145642	144362	137320
Fayette	370477	321012	331670	315707	316041	292453	256734	270231	251547	248485	254067
Floyd	304541	277801	286881	270778	271700	242887	226862	229833	220478	213357	214575
Franklin	210727	170378	198284	172587	180098	168446	154827	161388	162518	148342	142742
Fremont	156612	124530	141281	125801	121168	116994	112855	108389	115955	110152	98203
Greene	199588	164193	183140	158207	151547	155853	136393	145637	144426	133926	128209
Grundy	249488	219620	234954	210364	205754	185768	174260	181602	173659	169334	169032
Guthrie	210455	185914	192851	178778	174523	166193	144013	147030	137440	133368	125658
Hamilton	341539	284444	303947	284256	269733	277014	226547	238283	235376	225338	212259
Hancock	225332	182184	202205	178394	191566	173111	166444	163452	169633	166367	160080
Hardin	364693	316212	331130	307985	307279	282053	258860	276167	275775	265088	255785
Harrison	263453	230673	240280	212998	206023	191552	180530	177105	176297	178851	164039
Henry	367870	335235	328082	307257	299181	271149	253453	245484	234664	222687	208820
Howard	178054	148382	155447	145676	146246	135844	117043	127908	123407	113326	120140
Humboldt	214818	175562	188566	163040	168635	171204	147455	146206	142254	134771	136015
Ida	156631	136771	144283	130550	133210	128100	118987	115405	108228	106190	101879
Iowa	319102	285306	287190	254569	242234	226061	201372	211352	191354	191617	191835
Jackson	356571	328332	321755	295184	292227	273778	248551	250915	231265	227679	229299
Jasper	710854	642591	640013	596683	588903	553768	511485	511235	482810	463591	455864

Table 1. Total Personal Income (in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	300440	266481	267794	248291	249072	230661	208841	208690	199152	181750	174638
Johnson	2154608	1986470	1853080	1733069	1652445	1531893	1361472	1272192	1212925	1135654	1082082
Jones	312035	281775	284022	263893	270288	251844	223577	224351	209835	205171	204632
Keokuk	204511	181244	187520	177788	178315	170158	146776	166885	152402	148633	144561
Kossuth	352386	275600	308931	268051	289261	289282	266009	261084	264631	243802	237802
Lee	714870	655480	649245	620448	593933	559584	522703	508744	510480	503279	491593
Linn	3991941	3713858	3533462	3308252	3192165	3002296	2753279	2579099	2433814	2316706	2193831
Louisa	214624	192060	194536	176825	180404	165265	149400	149562	143036	135135	134543
Lucas	158537	146589	147249	138489	137530	132129	123300	119884	116017	109433	106258
Lyon	205693	168287	183873	175295	169553	165216	141540	148189	144133	142438	138539
Madison	248988	219772	217278	200837	198295	185598	165589	160823	153333	144844	135695
Mahaska	392162	349344	348436	330213	328037	304113	275562	284069	273330	259198	245264
Marion	617055	566014	545230	510764	498053	464835	433350	425596	394796	375066	362380
Marshall	791482	717168	713376	682438	661655	629313	560330	559097	542504	532324	520156
Mills	298475	265357	275709	256782	245219	227459	217360	204886	191819	176059	158032
Mitchell	223350	188362	201112	189019	191675	175546	153110	167222	158097	146127	143782
Monona	184063	157042	165809	144845	147565	142178	125994	123056	124818	121479	115640
Monroe	153288	137584	136663	128660	123936	112627	106195	102022	93050	92066	88910
Montgomery	226765	203691	207563	196452	190324	184602	165509	161422	159863	153027	149398
Muscatine	896597	841726	801673	732339	708132	653127	611010	585387	566880	555882	542933
O'Brien	301008	253429	270250	258016	253755	240518	229764	220218	214451	205164	196901
Osceola	132583	101497	116507	111472	108788	103007	95588	92868	88279	82462	82653
Page	325159	292053	296574	278006	270192	257405	227794	229331	229579	211448	194283
Palo Alto	200146	157642	174411	151140	161532	151468	141685	145998	144174	143369	125287
Plymouth	465286	417411	426281	399564	385247	355502	304290	321960	293012	287203	270709
Pocahontas	183215	138816	164106	143926	144010	147377	131523	130615	140853	139918	115387
Polk	8421246	7921695	7547906	7038286	6675119	6166787	5665877	5198616	4910497	4694860	4489004
Pottawattamie	1534429	1419530	1397313	1302784	1249660	1167031	1119951	1085910	1063346	1040879	1004347
Poweshiek	373156	336150	335488	316244	311301	293546	265046	266585	249415	227140	225002
Ringgold	89107	73344	79401	71861	72904	72715	61080	64889	62412	54448	49669
Sac	218056	186261	203842	186037	187257	179356	166038	162827	168631	152236	150149
Scott	3301078	3115741	2990379	2825019	2722978	2507151	2327186	2231676	2155038	2120855	2067006
Shelby	244432	210521	223677	210857	206485	195573	177469	177594	166109	172272	164326
Sioux	532453	481146	486265	454100	435845	411800	366635	371292	355929	360475	348252
Story	1455092	1345574	1292545	1209302	1145802	1084488	985491	952947	906837	869496	817894
Tama	332483	287839	284717	267972	271274	252876	238030	243277	233456	225498	218700
Taylor	107009	90030	96854	90405	87828	83153	74529	83312	83404	79905	69216
Union	214971	196652	196991	186344	185363	174138	161465	157058	152865	148284	141538
Van Buren	120587	104779	108139	98923	97972	90431	81318	84325	80376	77065	73069
Wapello	646366	598393	585839	558126	537699	502834	458022	442245	431505	431643	425451
Warren	739008	678564	651187	604335	574263	528511	489938	459024	432972	419004	398524
Washington	388781	350925	350549	334366	329439	298399	264180	276128	264595	264110	264708
Wayne	115616	98652	101029	95319	96360	92465	83558	88629	85993	80330	75860
Webster	779712	697863	700445	654393	616694	595471	538002	526882	526862	499573	490434
Winnebago	252028	208690	215972	192435	203062	194425	191957	182428	175452	167055	166500
Winneshiek	382119	346124	342412	320380	321272	290683	253141	260249	241547	223027	222769
Woodbury	2099020	1947756	1896397	1701425	1614505	1510381	1413997	1358154	1272265	1237879	1190595
Worth	145903	117590	126342	117034	124561	114988	108711	111081	107306	104533	104288
Wright	271506	221228	243783	217957	221960	230375	203937	201491	202293	197397	206394

State of Iowa 57147954 51932282 51291638 47712445 46374629 43352498 39680920 38564901 36884078 35587442 34447409

Table 2. Adjusted Total Personal Income (1994 dollars in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	151842	131851	144550	135645	143433	144702	130652	137752	143987	131204	126760
Adams	79403	68663	76347	73487	78810	79034	71003	82849	82215	74061	69890
Allamakee	228412	213464	218383	208491	224779	218482	203189	219757	212693	201532	208639
Appanoose	219311	209662	212928	205966	207079	204582	197835	200145	195834	186484	190064
Audubon	131374	116407	131825	129001	130372	133675	119569	131678	122242	123393	116442
Benton	431271	394173	399888	379059	389761	390380	359534	383638	387555	360411	372989
Black Hawk	2405233	2298416	2285093	2203335	2225575	2182907	2110255	2078068	2061673	2120976	2221571
Boone	542605	495501	504124	479971	480114	489313	460576	470477	460095	438532	432340
Bremer	439881	408112	418076	393316	398188	386696	367291	374685	373402	380785	389097
Buchanan	376285	340935	355902	345923	352002	338861	313491	334324	309816	311938	322455
Buena Vista	377922	338927	355685	345008	351823	357950	341108	344872	358454	349467	331046
Butler	274764	249773	271784	258697	264672	242885	240236	262048	259247	267384	269220
Calhoun	237704	195327	221771	191961	197755	208568	201392	202692	207653	204906	203439
Carroll	423360	387338	414722	397461	399265	398585	393695	403799	392192	387584	392571
Cass	283698	257211	275008	264226	267252	275103	255225	268792	271079	270957	274838
Cedar	351576	321601	334376	319108	331728	328630	305761	317613	304796	309517	323338
Cerro Gordo	936794	868383	883602	866675	882437	842519	846489	858314	852806	836851	842099
Cherokee	283338	231351	252461	253025	257890	252898	251707	251420	249577	243243	243137
Chickasaw	249832	222763	236878	228135	233889	229896	220623	236710	230100	226889	232307
Clarke	126829	117921	125161	121451	127994	127764	119575	124651	121206	115238	108819
Clay	361107	312451	329653	310601	328935	327966	318390	314294	315838	303614	294440
Clayton	311696	292781	309944	295708	321168	310443	283838	311455	303955	286997	300313
Clinton	959406	908956	940188	898769	910762	900718	866545	875175	867418	871765	902401
Crawford	321382	288615	303379	283207	284864	277890	276318	280878	281091	268095	276807
Dallas	702391	656398	643649	603002	595799	590847	558587	557148	543087	521810	528452
Davis	139077	130774	130440	120881	127527	116657	111309	117196	118250	113977	116733
Decatur	117100	105499	110202	108450	114035	116590	104941	114605	114011	110522	104895
Delaware	306491	282230	303140	301057	326369	303767	282317	312219	292517	273952	281746
Des Moines	848784	809964	805437	788685	800715	781038	768685	775831	778459	769475	779248
Dickinson	342092	313662	319305	299745	307909	301970	282122	278620	274030	261148	274410
Dubuque	1754722	1676922	1666341	1591666	1610820	1571878	1535652	1547649	1495161	1473386	1475040
Emmet	218042	188553	200238	184887	195216	190990	184747	190920	195360	196622	193659
Fayette	370477	329130	349644	342470	356656	347388	319665	349929	337418	338439	358304
Floyd	304541	284826	302428	293732	306617	288511	282471	297617	295743	290594	302609
Franklin	210727	174687	209029	187217	203243	200087	192778	208985	217997	202043	201305
Fremont	156612	127679	148937	136465	136740	138970	140518	140356	155539	150028	138493
Greene	199588	168345	193065	171618	171023	185129	169826	188589	193729	182408	180810
Grundy	249488	225174	247687	228197	232196	220663	216975	235161	232941	230635	238381
Guthrie	210455	190616	203302	193933	196951	197411	179314	190393	184358	181648	177212
Hamilton	341539	291637	320418	308353	304397	329049	282078	308559	315727	306912	299343
Hancock	225332	186791	213163	193517	216185	205629	207243	211658	227541	226593	225757
Hardin	364693	324209	349075	334093	346768	335034	322312	357616	369917	361052	360727
Harrison	263453	236507	253301	231054	232499	227534	224782	229338	236480	243597	231340
Henry	367870	343713	345861	333304	337629	322082	315580	317883	314772	303302	294493
Howard	178054	152135	163871	158025	165040	161361	145733	165631	165535	154351	169430
Humboldt	214818	180002	198785	176861	190307	203363	183599	189326	190816	183559	191818
Ida	156631	140230	152102	141617	150329	152163	148153	149441	145174	144632	143677
Iowa	319102	292521	302753	276149	273364	268525	250732	273685	256677	260984	270540
Jackson	356571	336635	339192	320207	329782	325205	309476	324916	310213	310101	323374
Jasper	710854	658842	674697	647265	664584	657789	636860	662011	647628	631415	642893

Table 2. Adjusted Total Personal Income (1994 dollars in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	300440	273220	282306	269339	281081	273989	260032	270238	267137	247545	246287
Johnson	2154608	2036707	1953502	1879983	1864804	1819647	1695197	1647394	1626985	1546771	1526031
Jones	312035	288901	299414	286264	305023	299151	278380	290518	281467	279445	288587
Keokuk	204511	185828	197682	192859	201231	202121	182754	216104	204428	202440	203870
Kossuth	352386	282570	325673	290774	326435	343621	331213	338084	354969	332061	335366
Lee	714870	672057	684429	673044	670260	664698	650828	658786	684744	685471	693280
Linn	3991941	3807780	3724947	3588696	3602396	3566254	3428164	3339741	3264652	3155375	3093901
Louisa	214624	196917	205078	191815	203588	196309	186021	193672	191865	184055	189742
Lucas	158537	150296	155229	150229	155204	156948	153523	155241	155622	149049	149853
Lyon	205693	172543	193837	190155	191343	196251	176234	191894	193336	194002	195378
Madison	248988	225330	229053	217862	223778	220461	206178	208254	205677	197279	191367
Mahaska	392162	358179	367318	358206	370194	361238	343108	367848	366637	353030	345889
Marion	617055	580328	574777	554062	562059	552151	539573	551115	529569	510843	511055
Marshall	791482	735305	752035	740289	746686	747525	697678	723989	727700	725030	733562
Mills	298475	272068	290650	278550	276733	270185	270639	265312	257301	239794	222868
Mitchell	223350	193126	212011	205042	216308	208521	190640	216540	212067	199026	202772
Monona	184063	161014	174795	157124	166529	168885	156878	159348	167427	165456	163084
Monroe	153288	141063	144069	139567	139863	133783	132226	132111	124815	125395	125387
Montgomery	226765	208842	218811	213105	214783	219278	206079	209029	214436	208424	210692
Muscatine	896597	863013	845117	794420	799135	775812	760781	758032	760397	757117	765684
O'Brien	301008	259838	284895	279888	286366	285697	286084	285166	287659	279435	277684
Osceola	132583	104064	122821	120922	122769	122356	119019	120257	118415	112314	116563
Page	325159	299439	312646	301573	304915	305757	283631	296967	307951	287994	273992
Palo Alto	200146	161629	183863	163952	182291	179920	176415	189057	193391	195270	176689
Plymouth	465286	427967	449382	433436	434756	422280	378878	416914	393038	391173	381774
Pocahontas	183215	142327	172999	156127	162517	175061	163762	169137	188936	190570	162727
Polk	8421246	8122031	7956942	7634930	7532952	7325170	7054700	6731820	6586808	6394444	6330722
Pottawattamie	1534429	1455429	1473036	1413223	1410256	1386249	1394474	1406172	1426344	1417687	1416404
Poweshiek	373156	344651	353669	343052	351307	348686	330014	345208	334559	309367	317314
Ringgold	89107	75199	83704	77953	82273	86374	76052	84026	83718	74159	70047
Sac	218056	190971	214889	201808	211322	213047	206737	210849	226197	207347	211751
Scott	3301078	3194537	3152434	3064499	3072913	2978100	2897627	2889854	2890710	2888624	2915043
Shelby	244432	215845	235798	228732	233021	232310	220970	229971	222814	234636	231745
Sioux	532453	493314	512617	492595	491856	489153	456505	480795	477434	490970	491130
Story	1455092	1379603	1362591	1311816	1293051	1288201	1227055	1233995	1216407	1184262	1153454
Tama	332483	295118	300146	290688	306136	300377	296376	315026	313152	307130	308427
Taylor	107009	92307	102103	98069	99115	98773	92798	107883	111876	108831	97613
Union	214971	201625	207666	202141	209184	206848	201043	203378	205049	201964	199607
Van Buren	120587	107429	113999	107309	110563	107418	101251	109195	107814	104963	103047
Wapello	646366	613526	617587	605439	606800	597287	570293	572674	578809	587902	600002
Warren	739008	695725	686476	655565	648063	627788	610032	594402	580777	570687	562028
Washington	388781	359800	369546	362711	371776	354451	328936	357565	354921	359720	373311
Wayne	115616	101147	106504	103399	108743	109834	104040	114768	115349	109410	106983
Webster	779712	715512	738404	709867	695947	707326	669877	682273	706718	680423	691646
Winnebago	252028	213968	227676	208748	229158	230946	239010	236231	235347	227530	234810
Winneshiek	382119	354877	360968	347539	362559	345286	315191	337003	324005	303765	314165
Woodbury	2099020	1997014	1999167	1845657	1821988	1794094	1760597	1758708	1706582	1686003	1679064
Worth	145903	120564	133189	126955	140569	136588	135358	143842	143937	142375	147075
Wright	271506	226823	256994	236433	250485	273649	253926	260916	271350	268857	291072
State of Iowa	57147954	53245625	54071233	51757086	52334324	51495930	49407529	49938669	49475303	48470431	48580254

Table 3. Nonfarm Earnings (in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	71320	66996	63607	58768	56290	51694	49577	45198	41757	40502	39406
Adams	34886	33097	31566	29710	29514	28478	27329	25686	24675	24776	25529
Allamakee	116689	109044	102576	96801	91491	87253	82845	80124	75060	72794	72226
Appanoose	115103	109120	104613	98487	89832	83438	79660	74860	70128	67277	67521
Audubon	58981	56429	55283	51148	47558	44845	42190	37651	36287	35933	36438
Benton	264262	243144	226793	209658	198910	187649	175383	160664	152447	145684	142101
Black Hawk	1570339	1473155	1409585	1308480	1264921	1183592	1108236	1009960	930061	964950	1009012
Boone	289744	271024	254330	236250	227838	216381	203469	188481	180353	176192	171767
Bremer	271171	254409	239608	220870	206536	191210	178329	162798	152501	157996	160591
Buchanan	209418	192078	181816	170741	163305	151805	142555	128820	117964	118401	119832
Buena Vista	196410	184531	173223	163089	154375	150168	138821	130035	126433	123272	121333
Butler	145382	136882	130249	121412	114476	105174	97772	92893	85281	86209	87131
Calhoun	90525	87184	82471	77563	72848	70436	64233	59469	56830	57455	59343
Carroll	218298	206797	195326	178498	166908	156934	151611	143085	139305	138344	141451
Cass	132040	125323	120457	113382	108552	105978	101707	95519	93936	94534	96576
Cedar	196423	183798	175382	164447	157168	147408	138641	128330	122932	120996	120578
Cerro Gordo	568024	524450	501086	478102	455853	426916	411747	382235	362408	358465	352727
Cherokee	123695	117188	111657	108004	102505	94135	90237	86189	86107	87429	85654
Chickasaw	140251	130176	123089	116716	110840	107726	100874	94325	89197	86411	85364
Clarke	70724	66588	66715	63458	61485	60613	53684	49916	47209	44115	43434
Clay	202190	189007	176582	164383	160645	150183	141485	128241	119323	116479	114562
Clayton	150425	141974	136031	124619	120390	112882	107311	98657	94877	91635	91723
Clinton	586605	556206	543577	507414	480827	453060	428820	398344	382331	380713	383313
Crawford	149518	140694	134259	123961	117188	114681	115560	112182	108035	105979	104126
Dallas	476050	439750	411633	372702	349581	320586	306788	278720	256346	248688	241076
Davis	73864	69016	64358	60259	57963	53242	49025	44747	42987	43487	44082
Decatur	57825	52811	50983	49716	48707	48818	42939	43555	41734	41712	39278
Delaware	165971	155312	147400	140225	135357	123803	116568	104430	95643	92528	93303
Des Moines	538935	503387	484724	463777	446084	415851	391977	375920	351877	335951	328535
Dickinson	187288	175983	163608	144863	140281	125008	111979	101720	94733	90399	96967
Dubuque	1124904	1041643	995825	913331	866767	813021	774086	736164	666514	663366	638021
Emmet	106089	102636	95501	88947	85130	76795	73576	68450	64767	65888	68973
Fayette	184022	166604	159106	149070	142926	134405	128013	120991	116324	118362	121966
Floyd	145846	145118	139495	132968	128967	122981	114977	107577	100509	96200	100572
Franklin	92295	86182	82659	77435	76124	71013	67011	62618	61506	60092	60111
Fremont	69784	63900	60762	55298	51334	49666	49284	48674	46158	47373	49251
Greene	79339	74960	71479	65242	61286	59367	57589	55521	53361	52834	53144
Grundy	133705	124393	119851	109977	104873	96495	88866	84163	78595	80799	82844
Guthrie	106466	100624	94382	88861	84476	77041	71759	66279	62833	60993	59895
Hamilton	179918	163665	157304	150269	141505	137687	130335	119936	115082	112474	112054
Hancock	107803	98251	93565	88198	86323	83614	80092	73180	68962	69374	71574
Hardin	181497	167810	160159	151899	148385	133919	128269	126055	124896	123748	123386
Harrison	137375	126943	121631	112870	107553	99914	93997	88628	85703	81675	79427
Henry	231545	215104	204389	189657	179260	167075	155035	143555	133128	126244	120662
Howard	85401	77832	72669	67046	62256	57337	54676	52691	49141	47569	47678
Humboldt	99060	89910	84780	79239	76296	72899	68587	63825	60142	59612	59666
Ida	76772	71628	65884	61019	59294	56149	54447	50114	45361	44505	42714
Iowa	187641	174408	165795	148572	134956	126964	117020	108862	101263	98009	98420
Jackson	200196	187493	178188	163561	152864	142491	134691	127757	120821	117998	116966
Jasper	436784	401055	386817	362354	355546	336705	316186	297793	276477	265634	257927

Table 3. Nonfarm Earnings (in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	180444	164207	161442	150541	145514	136768	131597	121828	111118	100986	95048
Johnson	1585924	1464104	1376422	1291550	1215051	1132132	1024189	931763	875293	823392	783589
Jones	176427	165121	158986	147623	141584	131447	121133	111480	104930	100945	98723
Keokuk	89196	83764	80869	75965	73769	69149	64803	62728	61767	62035	59965
Kossuth	154669	146899	140121	132999	130242	124047	114007	107214	104103	103656	103205
Lee	433737	399206	388328	368321	357020	338878	319086	302835	299678	296207	297499
Linn	2836326	2639417	2499914	2317916	2227745	2091873	1957555	1791387	1659888	1582290	1489387
Louisa	132849	124583	118678	110864	107998	101736	91310	86134	79011	73003	70390
Lucas	86410	82174	80070	76637	73104	71791	67275	64261	62660	61002	59463
Lyon	94143	89251	83933	77421	71808	67557	62986	58972	55979	54508	53591
Madison	153836	142519	131988	122761	117894	107387	101634	93280	85603	81220	78963
Mahaska	219122	202633	191873	177732	175088	160500	151529	143364	136542	130931	126573
Marion	383366	356012	336523	313402	302410	287280	270569	255908	230456	219509	212240
Marshall	494178	452481	439944	423686	402923	376629	348956	328937	317460	319208	318171
Mills	155867	144433	138125	130031	124216	118007	111440	103250	97650	95909	92131
Mitchell	104933	97451	92408	86027	81148	75151	69401	68076	62968	61047	60513
Monona	83426	78318	70904	65923	61676	58951	53469	50087	49180	48849	49500
Monroe	87875	81255	76885	71543	67803	61307	59228	56273	50932	52001	48415
Montgomery	114335	107381	100680	97469	94348	89975	84508	78890	74139	75253	76862
Muscatine	556744	535125	505978	465831	446435	418576	393254	372197	355775	348903	342442
O'Brien	140813	130449	123191	114737	108929	100459	97810	90488	85448	83333	82090
Osceola	56217	52996	50471	47058	44157	39900	37503	35484	34247	34158	34777
Page	171536	156976	146643	136092	130660	125529	116645	109588	105573	101867	100537
Palo Alto	84569	80450	74825	68700	65660	63851	60046	57999	55686	54730	56083
Plymouth	259418	241600	223368	206047	192124	175068	157834	155246	137622	131929	129991
Pocahontas	73248	69513	67647	64625	63148	60520	55674	51843	49887	47486	47210
Polk	6121681	5752457	5466599	5042229	4772248	4409262	4082104	3700118	3440648	3288096	3155001
Pottawattamie	1002097	942979	905575	855585	826276	783496	752755	712398	690335	669643	657547
Poweshiek	221901	207455	197648	188762	179787	170105	161040	149363	137892	130905	126329
Ringgold	37995	34858	34806	30921	29744	28633	25789	24332	24618	23966	23850
Sac	87290	81822	78130	73762	69804	65771	61195	58101	57338	57675	60199
Scott	2236064	2113254	2051394	1930942	1849543	1714758	1602399	1530843	1461561	1453145	1425986
Shelby	110190	104779	98870	92263	87057	83355	81201	74727	73562	73594	73256
Sioux	305195	279890	257382	236682	220026	202221	186061	169707	161426	162265	161572
Story	1009169	948418	887220	836101	798019	747875	684601	638529	598209	577715	543045
Tama	182297	164676	150083	143950	140826	133329	126296	118583	113275	111874	108973
Taylor	45332	42526	40357	37940	35623	32844	31907	30122	29657	29109	29091
Union	115168	111338	108040	99091	96182	92138	86563	80257	78832	75765	75455
Van Buren	64218	58912	56323	51182	49288	46489	42348	40483	38061	37080	36131
Wapello	394768	367651	349274	330382	320389	298514	274139	256470	243868	256049	256579
Warren	543170	507511	478516	444242	419129	385505	361061	329522	310088	298164	287452
Washington	213047	197613	190645	178049	169702	157703	145477	132747	125158	122139	119262
Wayne	49784	46160	44300	41379	40887	38428	36074	35384	34561	32591	32376
Webster	436863	405201	385738	364336	346519	322408	302454	283101	275143	274971	277934
Winnebago	135523	124750	115741	106734	105011	104118	104362	93718	87536	85706	87985
Winneshiek	221155	205268	194821	182401	168346	151913	140795	130945	121710	115937	111905
Woodbury	1382680	1275861	1208930	1092266	1038843	970707	908383	853513	789211	771327	750168
Worth	68560	64307	61167	57851	56592	53604	52876	48797	46044	45791	47290
Wright	122797	111222	107828	102462	99874	99163	92851	86938	85697	88377	100659
State of Iowa	35455350	33112938	31502431	29334329	27986518	26162292	24476020	22733797	21378325	20868296	20455633

Table 4. Adjusted Nonfarm Earnings (1994 dollars in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	71320	68690	67054	63750	63524	61404	61729	58528	56012	55164	55573
Adams	34886	33934	33277	32229	33307	33827	34028	33261	33098	33745	36003
Allamakee	116689	111802	108135	105007	103249	103643	103152	103755	100683	99146	101858
Appanoose	115103	111880	110282	106836	101376	99111	99186	96938	94068	91632	95223
Audubon	58981	57856	58279	55484	53670	53269	52532	48755	48674	48941	51388
Benton	264262	249293	239083	227431	224472	222897	218373	208048	204488	198423	200401
Black Hawk	1570339	1510410	1485973	1419401	1427478	1405921	1379887	1307823	1247559	1314271	1422982
Boone	289744	277878	268113	256277	257118	257027	253343	244069	241921	239975	242238
Bremer	271171	260843	252593	239593	233078	227127	222041	210811	204561	215192	226477
Buchanan	209418	196936	191669	185215	184292	180320	177498	166812	158234	161263	168996
Buena Vista	196410	189198	182610	176914	174214	178376	172849	168386	169594	167898	171113
Butler	145382	140344	137307	131704	129188	124930	121738	120290	114394	117417	122879
Cathoun	90525	89389	86940	84138	82210	83667	79978	77008	76230	78254	83690
Carroll	218298	212027	205911	193629	188358	186413	188774	185284	186860	188426	199485
Cass	132040	128492	126985	122994	122502	125885	126637	123690	126003	128756	136199
Cedar	196423	188446	184886	178387	177366	175097	172625	166178	164898	164798	170048
Cerro Gordo	568024	537713	528241	518631	514436	507109	512675	494966	486124	488233	497441
Cherokee	123695	120152	117708	117160	115678	111818	112356	111608	115502	119079	120796
Chickasaw	140251	133468	129759	126610	125084	127961	125600	122144	119646	117693	120387
Clarke	70724	68272	70330	68837	69387	71999	66843	64637	63325	60085	61254
Clay	202190	193787	186151	178318	181290	178394	176166	166063	160057	158645	161564
Clayton	150425	145564	143403	135183	135862	134086	133615	127753	127265	124808	129354
Clinton	586605	570272	573035	550428	542619	538164	533933	515826	512848	518535	540576
Crawford	149518	144252	141535	134469	132248	136223	143886	145267	144915	144344	146846
Dallas	476050	450871	433940	404296	394506	380806	381988	360922	343856	338715	339983
Davis	73864	70761	67846	65367	65412	63243	61042	57944	57662	59230	62168
Decatur	57825	54147	53746	53930	54966	57988	53464	56400	55981	56812	55393
Delaware	165971	159240	155388	152112	152752	147058	145141	135229	128293	126024	131583
Des Moines	538935	516117	510992	503092	503411	493965	488059	486788	471998	457568	463324
Dickinson	187288	180434	172474	157143	158309	148490	139427	131720	127072	123124	136750
Dubuque	1124904	1067986	1049791	990755	978157	965741	963830	953277	894044	903511	899784
Emmet	106089	105232	100676	96487	96070	91220	91611	88638	86877	89740	97271
Fayette	184022	170817	167728	161707	161294	159652	159392	156674	156034	161210	172005
Floyd	145846	148788	147055	144240	145541	146082	143160	139304	134820	131025	141834
Franklin	92295	88362	87138	83999	85907	84352	83437	81086	82502	81846	84773
Fremont	69784	65516	64055	59986	57931	58995	61365	63029	61915	64522	69457
Greene	79339	76856	75353	70773	69162	70519	71705	71896	71577	71960	74948
Grundy	133705	127539	126346	119300	118350	114621	110649	108985	105425	110049	116833
Guthrie	106466	103169	99497	96394	95332	91513	89349	85826	84282	83073	84468
Hamilton	179918	167804	165829	163007	159690	163550	162283	155308	154368	153191	158027
Hancock	107803	100736	98635	95675	97417	99320	99724	94763	92504	94488	100939
Hardin	181497	172054	168838	164776	167454	159075	159710	163232	167532	168546	174008
Harrison	137375	130153	128222	122438	121375	118682	117038	114767	114960	111242	112014
Henry	231545	220544	215465	205734	202297	198459	193037	185893	178574	171946	170166
Howard	85401	79800	76607	72730	70257	68107	68078	68231	65916	64789	67239
Humboldt	99060	92184	89374	85956	86101	86593	85399	82649	80673	81192	84145
Ida	76772	73439	69454	66192	66914	66696	67793	64894	60846	60616	60238
Iowa	187641	178819	174780	161167	152299	150813	145704	140968	135831	133489	138799
Jackson	200196	192235	187844	177426	172509	169257	167707	165436	162066	160714	164954
Jasper	436784	411197	407779	393071	401238	399952	393690	385620	370859	361796	363748

Table 4. Adjusted Nonfarm Earnings (1994 dollars in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	180444	168360	170191	163303	164214	162459	163854	157758	149051	137544	134044
Johnson	1585924	1501131	1451013	1401036	1371200	1344794	1275239	1206564	1174094	1121468	1105074
Jones	176427	169297	167602	160137	159779	156138	150825	144358	140750	137488	139226
Keokuk	89196	85882	85251	82405	83249	82138	80688	81228	82853	84492	84567
Kossuth	154669	150614	147714	144273	146980	147348	141952	138834	139641	141180	145547
Lee	433737	409302	409372	399544	402901	402534	397301	392149	401980	403437	419555
Linn	2836326	2706167	2635389	2514409	2514037	2484815	2437392	2319712	2226529	2155094	2100442
Louisa	132849	127734	125109	120262	121877	120846	113692	111537	105983	99431	99269
Lucas	86410	84252	84409	83134	82499	85276	83765	83213	84050	83085	83859
Lyon	94143	91508	88481	83984	81036	80247	78425	76364	75089	74240	75578
Madison	153836	146123	139141	133168	133045	127559	126547	120791	114826	110622	111359
Mahaska	219122	207757	202271	192799	197589	190649	188672	185646	183154	178329	178502
Marion	383366	365015	354760	339969	341273	341243	336891	331382	309127	298973	299316
Marshall	494178	463924	463785	459602	454703	447376	434492	425949	425832	434764	448708
Mills	155867	148086	145610	141054	140179	140174	138756	133701	130985	130629	129930
Mitchell	104933	99915	97416	93320	91576	89268	86413	88153	84464	83147	85340
Monona	83426	80299	74746	71511	69602	70024	66575	64859	65969	66533	69809
Monroe	87875	83310	81052	77608	76516	72823	73746	72869	68319	70826	68278
Montgomery	114335	110097	106136	105732	106473	106876	105223	102157	99448	102495	108396
Muscatine	556744	548658	533398	505320	503807	497202	489649	481967	477227	475209	482937
O'Brien	140813	133748	129867	124463	122928	119329	121785	117175	114618	113500	115769
Osceola	56217	54336	53206	51047	49832	47395	46696	45949	45938	46524	49045
Page	171536	160946	154590	147629	147451	149109	145237	141908	141613	138744	141785
Palo Alto	84569	82485	78880	74524	74098	75845	74765	75104	74696	74543	79092
Plymouth	259418	247710	235473	223514	216814	207953	196522	201032	184602	179689	183323
Pocahontas	73248	71271	71313	70103	71263	71888	69321	67133	66917	64676	66579
Polk	6121681	5897934	5762845	5469665	5385539	5237508	5082712	4791377	4615192	4478418	4449413
Pottawattamie	1002097	966826	954650	928114	932462	930670	937271	922502	925997	912060	927321
Poweshiek	221901	212701	208359	204764	202892	202058	200514	193414	184965	178294	178158
Ringgold	37995	35740	36692	33542	33566	34011	32110	31508	33022	32642	33635
Sac	87290	83891	82366	80015	78775	78126	76195	75236	76912	78554	84897
Scott	2236064	2166697	2162563	2094630	2087231	2036862	1995180	1982327	1960498	1979197	2011030
Shelby	110190	107429	104228	100084	98245	99013	101105	96766	98674	100236	103311
Sioux	305195	286968	271330	256746	248302	240207	231668	219758	216532	221006	227861
Story	1009169	972403	935300	906978	900574	888358	852411	826847	802421	786853	765842
Tama	182297	168841	158216	156153	158924	158374	157254	153556	151944	152373	153682
Taylor	45332	43601	42566	41156	40201	39013	39728	39006	39781	39647	41026
Union	115168	114154	113895	107491	108543	109445	107781	103927	105743	103193	106412
Van Buren	64218	60402	59375	55521	55622	55222	52728	52422	51054	50503	50955
Wapello	394768	376949	368202	358389	361563	354588	341336	332110	327118	348741	361846
Warren	543170	520346	504448	481901	472992	457919	449564	426706	415944	406102	405386
Washington	213047	202611	200976	193142	191511	187326	181136	171897	167884	166354	168192
Wayne	49784	47327	46701	44887	46141	45646	44916	45820	46359	44389	45659
Webster	436863	415448	406662	395221	391051	382970	376592	366595	369069	374513	391963
Winnebago	135523	127905	122013	115782	118506	123676	129943	121358	117418	116732	124083
Winneshiek	221155	210459	205379	197863	189980	180449	175307	169564	163258	157907	157817
Woodbury	1382680	1308127	1274444	1184859	1172347	1153047	1131046	1105236	1058626	1050555	1057942
Worth	68560	65933	64482	62755	63865	63673	65837	63188	61762	62368	66692
Wright	122797	114035	113671	111148	112709	117790	115611	112578	114952	120370	141957

State of Iowa 35455350 33950349 33209610 31821035 31583120 31076677 30475596 29438571 28676306 28422816 28848029

Table 5. Percentage of Total Personal Income from Nonfarm Earnings in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	47.0	52.1	46.4	47.0	44.3	42.4	47.2	42.5	38.9	42.0	43.8
Adams	43.9	49.4	43.6	43.9	42.3	42.8	47.9	40.1	40.3	45.6	51.5
Allamakee	51.1	52.4	49.5	50.4	45.9	47.4	50.8	47.2	47.3	49.2	48.8
Appanoose	52.5	53.4	51.8	51.9	49.0	48.4	50.1	48.4	48.0	49.1	50.1
Audubon	44.9	49.7	44.2	43.0	41.2	39.8	43.9	37.0	39.8	39.7	44.1
Benton	61.3	63.2	59.8	60.0	57.6	57.1	60.7	54.2	52.8	55.1	53.7
Black Hawk	65.3	65.7	65.0	64.4	64.1	64.4	65.4	62.9	60.5	62.0	64.1
Boone	53.4	56.1	53.2	53.4	53.6	52.5	55.0	51.9	52.6	54.7	56.0
Bremer	61.6	63.9	60.4	60.9	58.5	58.7	60.5	56.3	54.8	56.5	58.2
Buchanan	55.7	57.8	53.9	53.5	52.4	53.2	56.6	49.9	51.1	51.7	52.4
Buena Vista	52.0	55.8	51.3	51.3	49.5	49.8	50.7	48.8	47.3	48.0	51.7
Butler	52.9	56.2	50.5	50.9	48.8	51.4	50.7	45.9	44.1	43.9	45.6
Calhoun	38.1	45.8	39.2	43.8	41.6	40.1	39.7	38.0	36.7	38.2	41.1
Carroll	51.6	54.7	49.7	48.7	47.2	46.8	47.9	45.9	47.6	48.6	50.8
Cass	46.5	50.0	46.2	46.5	45.8	45.8	49.6	46.0	46.5	47.5	49.6
Cedar	55.9	58.6	55.3	55.9	53.5	53.3	56.5	52.3	54.1	53.2	52.6
Cerro Gordo	60.6	61.9	59.8	59.8	58.3	60.2	60.6	57.7	57.0	58.3	59.1
Cherokee	43.7	51.9	46.6	46.3	44.9	44.2	44.6	44.4	46.3	49.0	49.7
Chickasaw	56.1	59.9	54.8	55.5	53.5	55.7	56.9	51.6	52.0	51.9	51.8
Clarke	55.8	57.9	56.2	56.7	54.2	56.4	55.9	51.9	52.2	52.1	56.3
Clay	56.0	62.0	56.5	57.4	55.1	54.4	55.3	52.8	50.7	52.3	54.9
Clayton	48.3	49.7	46.3	45.7	42.3	43.2	47.1	41.0	41.9	43.5	43.1
Clinton	61.1	62.7	60.9	61.2	59.6	59.7	61.6	58.9	59.1	59.5	59.9
Crawford	46.5	50.0	46.7	47.5	46.4	49.0	52.1	51.7	51.6	53.8	53.0
Dallas	67.8	68.7	67.4	67.0	66.2	64.5	68.4	64.8	63.3	64.9	64.3
Davis	53.1	54.1	52.0	54.1	51.3	54.2	54.8	49.4	48.8	52.0	53.3
Decatur	49.4	51.3	48.8	49.7	48.2	49.7	50.9	49.2	49.1	51.4	52.8
Delaware	54.2	56.4	51.3	50.5	46.8	48.4	51.4	43.3	43.9	46.0	46.7
Des Moines	63.5	63.7	63.4	63.8	62.9	63.2	63.5	62.7	60.6	59.5	59.5
Dickinson	54.7	57.5	54.0	52.4	51.4	49.2	49.4	47.3	46.4	47.1	49.8
Dubuque	64.1	63.7	63.0	62.2	60.7	61.4	62.8	61.6	59.8	61.3	61.0
Emmet	48.7	55.8	50.3	52.2	49.2	47.8	49.6	46.4	44.5	45.6	50.2
Fayette	49.7	51.9	48.0	47.2	45.2	46.0	49.9	44.8	46.2	47.6	48.0
Floyd	47.9	52.2	48.6	49.1	47.5	50.6	50.7	46.8	45.6	45.1	46.9
Franklin	43.8	50.6	41.7	44.9	42.3	42.2	43.3	38.8	37.8	40.5	42.1
Fremont	44.6	51.3	43.0	44.0	42.4	42.5	43.7	44.9	39.8	43.0	50.2
Greene	39.8	45.7	39.0	41.2	40.4	38.1	42.2	38.1	36.9	39.5	41.5
Grundy	53.6	56.6	51.0	52.3	51.0	51.9	51.0	46.3	45.3	47.7	49.0
Guthrie	50.6	54.1	48.9	49.7	48.4	46.4	49.8	45.1	45.7	45.7	47.7
Hamilton	52.7	57.5	51.8	52.9	52.5	49.7	57.5	50.3	48.9	49.9	52.8
Hancock	47.8	53.9	46.3	49.4	45.1	48.3	48.1	44.8	40.7	41.7	44.7
Hardin	49.8	53.1	48.4	49.3	48.3	47.5	49.6	45.6	45.3	46.7	48.2
Harrison	52.1	55.0	50.6	53.0	52.2	52.2	52.1	50.0	48.6	45.7	48.4
Henry	62.9	64.2	62.3	61.7	59.9	61.6	61.2	58.5	56.7	56.7	57.8
Howard	48.0	52.5	46.7	46.0	42.6	42.2	46.7	41.2	39.8	42.0	39.7
Humboldt	46.1	51.2	45.0	48.6	45.2	42.6	46.5	43.7	42.3	44.2	43.9
Ida	49.0	52.4	45.7	46.7	44.5	43.8	45.8	43.4	41.9	41.9	41.9
Iowa	58.8	61.1	57.7	58.4	55.7	56.2	58.1	51.5	52.9	51.1	51.3
Jackson	56.1	57.1	55.4	55.4	52.3	52.0	54.2	50.9	52.2	51.8	51.0
Jasper	61.4	62.4	60.4	60.7	60.4	60.8	61.8	58.2	57.3	57.3	56.6

Table 5. Percentage of Total Personal Income from Nonfarm Earnings in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	60.1	61.6	60.3	60.6	58.4	59.3	63.0	58.4	55.8	55.6	54.4
Johnson	73.6	73.7	74.3	74.5	73.5	73.9	75.2	73.2	72.2	72.5	72.4
Jones	56.5	58.6	56.0	55.9	52.4	52.2	54.2	49.7	50.0	49.2	48.2
Keokuk	43.6	46.2	43.1	42.7	41.4	40.6	44.2	37.6	40.5	41.7	41.5
Kossuth	43.9	53.3	45.4	49.6	45.0	42.9	42.9	41.1	39.3	42.5	43.4
Lee	60.7	60.9	59.8	59.4	60.1	60.6	61.0	59.5	58.7	58.9	60.5
Linn	71.1	71.1	70.7	70.1	69.8	69.7	71.1	69.5	68.2	68.3	67.9
Louisa	61.9	64.9	61.0	62.7	59.9	61.6	61.1	57.6	55.2	54.0	52.3
Lucas	54.5	56.1	54.4	55.3	53.2	54.3	54.6	53.6	54.0	55.7	56.0
Lyon	45.8	53.0	45.6	44.2	42.4	40.9	44.5	39.8	38.8	38.3	38.7
Madison	61.8	64.8	60.7	61.1	59.5	57.9	61.4	58.0	55.8	56.1	58.2
Mahaska	55.9	58.0	55.1	53.8	53.4	52.8	55.0	50.5	50.0	50.5	51.6
Marion	62.1	62.9	61.7	61.4	60.7	61.8	62.4	60.1	58.4	58.5	58.6
Marshall	62.4	63.1	61.7	62.1	60.9	59.8	62.3	58.8	58.5	60.0	61.2
Mills	52.2	54.4	50.1	50.6	50.7	51.9	51.3	50.4	50.9	54.5	58.3
Mitchell	47.0	51.7	45.9	45.5	42.3	42.8	45.3	40.7	39.8	41.8	42.1
Monona	45.3	49.9	42.8	45.5	41.8	41.5	42.4	40.7	39.4	40.2	42.8
Monroe	57.3	59.1	56.3	55.6	54.7	54.4	55.8	55.2	54.7	56.5	54.5
Montgomery	50.4	52.7	48.5	49.6	49.6	48.7	51.1	48.9	46.4	49.2	51.4
Muscatine	62.1	63.6	63.1	63.6	63.0	64.1	64.4	63.6	62.8	62.8	63.1
O'Brien	46.8	51.5	45.6	44.5	42.9	41.8	42.6	41.1	39.8	40.6	41.7
Osceola	42.4	52.2	43.3	42.2	40.6	38.7	39.2	38.2	38.8	41.4	42.1
Page	52.8	53.7	49.4	49.0	48.4	48.8	51.2	47.8	46.0	48.2	51.7
Palo Alto	42.3	51.0	42.9	45.5	40.6	42.2	42.4	39.7	38.6	38.2	44.8
Plymouth	55.8	57.9	52.4	51.6	49.9	49.2	51.9	48.2	47.0	45.9	48.0
Pocahontas	40.0	50.1	41.2	44.9	43.8	41.1	42.3	39.7	35.4	33.9	40.9
Polk	72.7	72.6	72.4	71.6	71.5	71.5	72.0	71.2	70.1	70.0	70.3
Pottawattamie	65.3	66.4	64.8	65.7	66.1	67.1	67.2	65.6	64.9	64.3	65.5
Poweshiek	59.5	61.7	58.9	59.7	57.8	57.9	60.8	56.0	55.3	57.6	56.1
Ringgold	42.6	47.5	43.8	43.0	40.8	39.4	42.2	37.5	39.4	44.0	48.0
Sac	40.0	43.9	38.3	39.6	37.3	36.7	36.9	35.7	34.0	37.9	40.1
Scott	67.7	67.8	68.6	68.4	67.9	68.4	68.9	68.6	67.8	68.5	69.0
Shelby	45.1	49.8	44.2	43.8	42.2	42.6	45.8	42.1	44.3	42.7	44.6
Sioux	57.3	58.2	52.9	52.1	50.5	49.1	50.7	45.7	45.4	45.0	46.4
Story	69.4	70.5	68.6	69.1	69.6	69.0	69.5	67.0	66.0	66.4	66.4
Tama	54.8	57.2	52.7	53.7	51.9	52.7	53.1	48.7	48.5	49.6	49.8
Taylor	42.4	47.2	41.7	42.0	40.6	39.5	42.8	36.2	35.6	36.4	42.0
Union	53.6	56.6	54.8	53.2	51.9	52.9	53.6	51.1	51.6	51.1	53.3
Van Buren	53.3	56.2	52.1	51.7	50.3	51.4	52.1	48.0	47.4	48.1	49.4
Wapello	61.1	61.4	59.6	59.2	59.6	59.4	59.9	58.0	56.5	59.3	60.3
Warren	73.5	74.8	73.5	73.5	73.0	72.9	73.7	71.8	71.6	71.2	72.1
Washington	54.8	56.3	54.4	53.2	51.5	52.8	55.1	48.1	47.3	46.2	45.1
Wayne	43.1	46.8	43.8	43.4	42.4	41.6	43.2	39.9	40.2	40.6	42.7
Webster	56.0	58.1	55.1	55.7	56.2	54.1	56.2	53.7	52.2	55.0	56.7
Winnebago	53.8	59.8	53.6	55.5	51.7	53.6	54.4	51.4	49.9	51.3	52.8
Winneshiek	57.9	59.3	56.9	56.9	52.4	52.3	55.6	50.3	50.4	52.0	50.2
Woodbury	65.9	65.5	63.7	64.2	64.3	64.3	64.2	62.8	62.0	62.3	63.0
Worth	47.0	54.7	48.4	49.4	45.4	46.6	48.6	43.9	42.9	43.8	45.3
Wright	45.2	50.3	44.2	47.0	45.0	43.0	45.5	43.1	42.4	44.8	48.8
State of Iowa	62.0	63.8	61.4	61.5	60.3	60.3	61.7	58.9	58.0	58.6	59.4

Table 6. Farm Earnings (in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	16887	839	14452	9963	12508	17259	6267	13660	16125	7527	2422
Adams	12339	3497	11285	8770	11786	11102	3780	11121	8967	3232	-2788
Allamakee	17360	8327	16667	13072	26865	22466	11027	19961	11305	4900	9411
Appanoose	7258	1342	5551	2754	8695	8690	4258	5654	1051	-3904	-4532
Audubon	18799	5482	18740	17430	18622	20943	10804	21672	11406	12558	3553
Benton	24119	7182	25130	13601	25890	28457	5395	28376	27138	10261	16425
Black Hawk	29964	8403	28197	17094	24999	14861	7063	26398	22648	18650	11855
Boone	34123	8110	29918	17468	16454	26703	8251	24280	20326	11895	10697
Bremer	20511	3367	20110	11302	18552	13411	4833	13600	9700	9814	7127
Buchanan	29139	9394	30656	23985	31523	23600	8853	29871	13381	12740	12681
Buena Vista	42037	14404	35173	27437	32595	33808	28806	29693	30760	27071	9588
Butler	21638	3797	24765	19213	25027	10142	12389	24903	19893	23460	17685
Calhoun	44363	5240	35732	15022	20371	29336	26944	26526	25713	20821	14780
Carroll	38426	12927	40021	38094	42487	43732	39482	45473	30174	27847	21321
Cass	22161	2297	23781	15207	17733	21886	9340	17098	10322	9127	5556
Cedar	29539	10342	24941	18313	30278	30248	13570	23921	10998	10887	15309
Cerro Gordo	34099	2092	26921	18038	31737	12912	21544	27873	23584	15411	13977
Cherokee	60824	14278	34278	33488	34796	34762	33363	29625	21553	15521	11605
Chickasaw	24045	5515	22258	17209	22084	14549	8964	20352	11695	11064	10819
Clarke	6336	-45	4472	2508	7119	5708	2823	6863	2858	1089	-4062
Clay	39012	2602	25173	16062	26341	27544	21534	24062	23316	16230	8868
Clayton	25720	14024	34950	31234	51487	41787	21104	42891	31435	21969	27203
Clinton	34915	10244	33993	18920	35327	35582	15430	28927	11222	10465	14844
Crawford	33489	11623	30709	23641	29054	27365	22715	21009	14680	5766	7035
Dallas	23436	7528	19118	12567	14655	23632	4260	15991	10570	1396	4014
Davis	3870	-45	4538	851	6757	2978	1478	6258	5072	2246	1993
Decatur	6868	319	4449	3837	7026	6932	1904	7038	4550	1466	-2152
Delaware	32347	16211	40367	40964	60433	44283	28061	53808	38390	27456	27747
Des Moines	18295	9391	13787	8664	15857	10657	11629	11558	13474	19832	22423
Dickinson	20621	1598	15840	13488	17371	20789	15701	17490	13941	8494	6864
Dubuque	23536	13777	28667	26827	49321	39821	21763	42046	31519	20621	25221
Emmet	27702	979	15838	6430	15952	18068	13700	16607	15908	14535	5325
Fayette	36941	13853	35856	33702	45319	37427	17177	38647	19374	16347	20228
Floyd	27560	7683	24558	19363	28800	12044	15407	25908	20622	17563	15212
Franklin	36441	5969	36276	18989	30260	29674	25808	33114	33910	21354	18496
Fremont	23684	950	22622	14257	15100	15122	16227	12446	22830	16129	3916
Greene	35828	8933	33245	17521	17166	26690	13841	23863	21131	12344	8549
Grundy	28821	12287	28788	19259	21036	14583	15956	26868	22340	15467	14501
Guthrie	24144	7827	22389	16302	18621	23088	11301	19113	10994	10268	5330
Hamilton	46057	9881	35921	26163	23766	41718	6853	26904	26525	20293	11545
Hancock	32796	3438	28944	12229	26810	17764	19930	21997	29435	27919	19969
Hardin	31882	4440	29090	16448	23427	19060	7685	29361	27379	22063	13831
Harrison	25848	8303	25397	9325	12495	8717	10411	14782	16133	23506	10430
Henry	17469	6275	13273	9267	15065	6443	6010	10667	8764	5457	1630
Howard	18172	-223	11274	10377	18218	17481	4858	18913	15780	8395	15065
Humboldt	29273	3195	23827	6648	16942	27599	15339	18367	16843	11474	12020
Ida	23833	11164	25365	16876	22227	23418	18951	18768	15658	15049	13256
Iowa	23063	6803	19412	12292	19919	19024	4771	23472	8455	14965	17559
Jackson	14398	5725	14696	7499	23607	20676	9844	20547	5017	5020	9227
Jasper	32788	12151	28995	20391	29300	27476	14310	34012	29181	26665	33186

Table 6. Farm Earnings (in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	15885	3829	10897	7577	12726	10608	3699	11689	13358	9680	9894
Johnson	21815	6509	17149	14111	24819	21787	4795	20506	16929	13374	17510
Jones	17799	3054	15485	10305	20830	17816	7900	20990	10205	11048	16336
Keokuk	25368	10634	20602	18321	23536	24209	9963	30169	15400	13154	11220
Kossuth	66282	3401	49302	16057	40389	54083	50113	51028	54581	34758	29476
Lee	18490	5316	15823	8299	12250	6456	6267	11147	13334	16756	12984
Linn	23007	4181	16077	5940	19034	24822	1451	13697	7970	-232	6309
Louisa	21192	9039	17128	7616	16614	10761	7839	11723	11966	10818	14673
Lucas	3889	-579	3578	1568	5676	4432	2461	5253	1132	-2981	-3636
Lyon	38494	9982	32136	31150	31597	34323	21402	33910	30712	30100	28749
Madison	16295	1475	11851	6773	12073	14868	3791	9168	7817	4204	-1131
Mahaska	30995	10172	26107	25313	30379	29448	14902	32197	27486	21917	16672
Marion	20057	6689	14469	12157	16416	13849	10849	18563	13697	10945	7818
Marshall	26411	8462	25479	18725	22336	25783	9686	30471	19378	14386	12244
Mills	20432	2014	19824	14941	14152	11953	11560	14204	17073	12105	5453
Mitchell	32920	9182	27473	25815	34452	28435	15746	28884	22203	14668	15239
Monona	23246	3851	23460	9193	18465	18979	13488	16835	17943	14389	8988
Monroe	3852	-2070	2131	1994	4055	3127	1435	3268	-1200	-4629	-2458
Montgomery	14964	3005	16790	11473	12039	14483	8218	11107	12656	5988	2298
Muscatine	19772	3065	13821	4131	12704	13979	4872	8930	8125	11098	15217
O'Brien	44789	13948	39331	39021	42838	46452	44983	41450	36685	32698	26449
Osceola	26921	695	18355	18842	19447	20552	18347	18056	13452	7042	5992
Page	19972	7583	26062	20436	21386	21011	10147	19894	23233	13637	-178
Palo Alto	35319	-45	26606	9665	24855	22417	20699	27192	23290	23519	6040
Plymouth	43240	21843	52992	49106	52271	49514	26982	49057	35845	37774	27422
Pocahontas	39373	2470	30136	14732	17914	27338	19490	19635	30065	32459	10140
Polk	21773	4278	17163	7560	11342	17332	5395	14913	10645	3206	4709
Pottawattamie	38921	9062	39996	29183	27459	16566	12936	26317	24558	30631	24021
Poweshiek	21653	5607	17966	12064	20154	18937	7356	22046	15485	4070	8496
Ringgold	10206	-235	7983	5486	9263	12515	5445	10308	7221	149	-3413
Sac	35753	13638	37395	24166	31422	32318	30257	31383	33318	17533	13196
Scott	22677	10694	21547	15454	22429	24048	10042	18435	6590	11266	15184
Shelby	34369	11400	33469	28695	30416	28935	18405	26002	14908	23955	18317
Sioux	42645	25049	58022	53145	66577	69717	45886	69693	60878	67134	57443
Story	36013	9836	32019	20589	21606	30974	9620	27861	26110	19201	18086
Tama	23946	3625	18758	11330	21424	15843	13126	25066	17099	12385	11047
Taylor	12926	943	9656	6551	7257	8489	2808	12336	11137	8119	-2478
Union	9344	-1801	5442	4628	7160	6509	2713	7268	2074	1970	-3047
Van Buren	6980	-420	5802	2954	6662	3751	1650	7242	4392	3214	1474
Wapello	9667	-306	6909	2731	5305	5907	1347	5618	5364	-1024	-341
Warren	16294	758	12533	6293	10423	10080	4989	10530	5472	8236	3377
Washington	31873	15706	24720	27603	34397	25267	13604	33099	28365	33945	41596
Wayne	9728	-1571	4849	2704	5361	6534	3870	10307	7070	4029	-1635
Webster	45234	5942	34634	18304	18543	40635	13085	24120	27873	10748	4458
Winnebago	27833	-544	20238	7874	21519	16952	19251	20698	15755	10272	11242
Winneshiek	29158	14595	27499	23761	41955	34279	14877	31836	23372	15345	22359
Woodbury	29122	15267	37134	17949	28449	32175	16416	31850	9490	9708	5946
Worth	23012	64	12313	7474	17800	15078	12185	17715	14449	12647	13165
Wright	37499	3409	30437	12852	22946	33537	22774	21393	24125	14430	13718
State of Iowa	2580181	636396	2289953	1582972	2250902	2189880	1320836	2217413	1773130	1400569	1153404

Table 7. Adjusted Farm Earnings (1994 dollars in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	16887	860	15235	10808	14115	20501	7803	17689	21630	10252	3416
Adams	12339	3585	11897	9513	13301	13187	4707	14401	12028	4402	-3932
Allamakee	17360	8538	17570	14180	30317	26686	13730	25848	15164	6674	13272
Appanoose	7258	1376	5852	2987	9812	10322	5302	7322	1410	-5317	-6391
Audubon	18799	5621	19756	18908	21015	24877	13452	28064	15300	17104	5011
Benton	24119	7364	26492	14754	29217	33802	6717	36745	36402	13976	23164
Black Hawk	29964	8616	29725	18543	28212	17653	8794	34183	30379	25401	16719
Boone	34123	8315	31539	18949	18569	31719	10273	31441	27265	16201	15086
Bremer	20511	3452	21200	12260	20936	15930	6018	17611	13011	13367	10051
Buchanan	29139	9632	32317	26018	35574	28033	11023	38681	17949	17352	17884
Buena Vista	42037	14768	37079	29763	36784	40159	35867	38450	41261	36871	13522
Butler	21638	3893	26107	20842	28243	12047	15426	32248	26684	31953	24941
Calhoun	44363	5373	37668	16295	22989	34847	33549	34349	34491	28358	20844
Carroll	38426	13254	42190	41323	47947	51947	49160	58884	40475	37928	30068
Cass	22161	2355	25070	16496	20012	25997	11629	22141	13846	12431	7835
Cedar	29539	10604	26293	19865	34169	35930	16896	30976	14752	14828	21590
Cerro Gordo	34099	2145	28380	19567	35816	15337	26825	36093	31635	20990	19711
Cherokee	60824	14639	36136	36327	39268	41292	41541	38362	28911	21140	16366
Chickasaw	24045	5654	23464	18668	24922	17282	11161	26354	15687	15069	15258
Clarke	6336	-46	4714	2721	8034	6780	3515	8887	3834	1483	-5729
Clay	39012	2668	26537	17424	29726	32718	26812	31158	31275	22105	12506
Clayton	25720	14379	36844	33882	58104	49636	26277	55541	42166	29922	38364
Clinton	34915	10503	35835	20524	39867	42266	19212	37458	15053	14253	20934
Crawford	33489	11917	32373	25645	32788	32505	28283	27205	19691	7853	9921
Dallas	23436	7718	20154	13632	16538	28071	5304	20707	14178	1901	5661
Davis	3870	-46	4784	923	7625	3537	1840	8104	6803	3059	2811
Decatur	666	327	4690	4162	7929	8234	2371	9114	6103	1997	-3035
Delaware	32347	16621	42555	44437	68199	52601	34939	69677	51495	37395	39131
Des Moines	18295	9628	14534	9398	17895	12659	14480	14967	18074	27011	31623
Dickinson	20621	1638	16698	14631	19603	24694	19550	22648	18700	11569	9680
Dubuque	23536	14125	30221	29101	55659	47301	27098	54446	42279	28086	35568
Emmet	27702	1004	16696	6975	18002	21462	17058	21505	21339	19797	7510
Fayette	36941	14203	37799	36559	51143	44457	21387	50045	25988	22265	28527
Floyd	27560	7877	25889	21004	32501	14306	19184	33549	27662	23921	21453
Franklin	36441	6120	38242	20599	34149	35248	32134	42880	45486	29084	26084
Fremont	23684	974	23848	15466	17041	17963	20205	16117	30624	21968	5523
Greene	35828	9159	35047	19006	19372	31704	17234	30901	28345	16813	12056
Grundy	28821	12598	30348	20892	23739	17322	19867	34792	29966	21066	20450
Guthrie	24144	8025	23602	17684	21014	27425	14071	24750	14747	13985	7517
Hamilton	46057	10131	37868	28381	26820	49554	8533	34839	35580	27639	16282
Hancock	32796	3525	30513	13266	30255	21101	24815	28484	39483	38026	28162
Hardin	31882	4552	30666	17842	26438	22640	9569	38020	36725	30050	19505
Harrison	25848	8513	26773	10115	14101	10354	12963	19142	21640	32015	14709
Henry	17469	6434	13992	10053	17001	7653	7483	13813	11756	7432	2299
Howard	18172	-229	11885	11257	20559	20765	6049	24491	21167	11434	21246
Humboldt	29273	3276	25118	7212	19119	32783	19099	23784	22593	15628	16951
Ida	23833	11446	26740	18307	25083	27817	23596	24303	21003	20497	18695
Iowa	23063	6975	20464	13334	22479	22598	5940	30394	11341	20382	24763
Jackson	14398	5870	15492	8135	26641	24560	12257	26607	6730	6837	13013
Jasper	32788	12458	30566	22120	33065	32637	17818	44043	39143	36318	46801

Table 7. Adjusted Farm Earnings (1994 dollars in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	15885	3926	11488	8219	14361	12601	4606	15136	17918	13184	13953
Johnson	21815	6674	18078	15307	28009	25880	5970	26554	22708	18216	24694
Jones	17799	3131	16324	11179	23507	21163	9836	27180	13689	15047	23038
Keokuk	25368	10903	21718	19874	26561	28756	12405	39067	20657	17916	15823
Kossuth	66282	3487	51974	17418	45579	64242	62397	66077	73213	47341	41569
Lee	18490	5450	16680	9003	13824	7669	7803	14435	17886	22822	18311
Linn	23007	4287	16948	6444	21480	29485	1807	17737	10691	-316	8897
Louisa	21192	9268	18056	8262	18749	12782	9761	15180	16051	14734	20693
Lucas	3889	-594	3772	1701	6405	5265	3064	6802	1518	-4060	-5128
Lyon	38494	10234	33878	33791	35658	40770	26648	43911	41196	40996	40544
Madison	16295	1512	12493	7347	13625	17661	4720	11872	10486	5726	-1595
Mahaska	30995	10429	27522	27459	34283	34980	18555	41693	36869	29851	23512
Marion	20057	6858	15253	13188	18526	16450	13508	24038	18373	14907	11026
Marshall	26411	8676	26860	20312	25206	30626	12060	39458	25993	19594	17267
Mills	20432	2065	20898	16208	15971	14198	14394	18393	22901	16487	7690
Mitchell	32920	9414	28962	28003	38879	33776	19606	37403	29783	19978	21491
Monona	23246	3948	24731	9972	20838	22544	16794	21800	24068	19598	12676
Monroe	3852	-2122	2246	2163	4576	3714	1787	4232	-1610	-6305	-3466
Montgomery	14964	3081	17700	12446	13586	17204	10232	14383	16976	8156	3241
Muscatine	19772	3143	14570	4481	14337	16605	6066	11564	10899	15116	21460
O'Brien	44789	14301	41462	42329	48343	55178	56009	53675	49208	44535	37300
Osceola	26921	713	19350	20439	21946	24413	22844	23381	18044	9591	8450
Page	19972	7775	27474	22168	24134	24958	12634	25761	31164	18574	-251
Palo Alto	35319	-46	28048	10484	28049	26628	25773	35212	31241	32033	8518
Plymouth	43240	22395	55864	53269	58988	58815	33596	63525	48082	51449	38673
Pocahontas	39373	2532	31769	15981	20216	32473	24267	25426	40328	44209	14300
Polk	21773	4386	18093	8201	12800	20588	6717	19311	14279	4367	6641
Pottawattamie	38921	9291	42163	31657	30988	19678	16107	34079	32941	41720	33876
Poweshiek	21653	5749	18940	13087	22744	22494	9159	28548	20771	5543	11982
Ringgold	10206	-241	8416	5951	10453	14866	6780	13348	9686	203	-4813
Sac	35753	13983	39422	26215	35460	38389	37674	40639	44692	23880	18610
Scott	22677	10964	22715	16764	25311	28565	12504	23872	8840	15344	21414
Shelby	34369	11688	35283	31128	34325	34370	22916	33671	19997	32627	25832
Sioux	42645	25682	61166	57650	75133	82813	57134	90247	81660	91437	81010
Story	36013	10085	33754	22334	24383	36792	11978	36078	35023	26152	25506
Tama	23946	3717	19775	12290	24177	18819	16343	32459	22936	16868	15579
Taylor	12926	967	10179	7106	8190	10084	3496	15974	14939	11058	-3495
Union	9344	-1847	5737	5020	8080	7732	3378	9412	2782	2683	-4297
Van Buren	6980	-431	6116	3204	7518	4456	2054	9378	5891	4377	2079
Wapello	9667	-314	7283	2963	5987	7017	1677	7275	7195	-1395	-481
Warren	16294	777	13212	6826	11762	11973	6212	13636	7340	11218	4762
Washington	31873	16103	26060	29943	38817	30013	16939	42861	38048	46233	58662
Wayne	9728	-1611	5112	2933	6050	7761	4819	13347	9484	5488	-2306
Webster	45234	6092	36511	19856	20926	48268	16292	31234	37388	14639	6287
Winnebago	27833	-558	21335	8541	24284	20136	23970	26802	21133	13991	15854
Winneshiek	29158	14964	28989	25775	47347	40718	18524	41225	31351	20900	31532
Woodbury	29122	15653	39146	19471	32105	38219	20440	41243	12730	13222	8385
Worth	23012	66	12980	8108	20088	17910	15172	22940	19381	17225	18566
Wright	37499	3495	32086	13941	25895	39837	28356	27702	32361	19654	19346
State of Iowa	2580181	652490	2414050	1717162	2540170	2601232	1644600	2871384	2378429	1907588	1626615

Table 8. Percentage of Total Personal Income from Farm Earnings in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	11.1	0.7	10.5	8.0	9.8	14.2	6.0	12.8	15.0	7.8	2.7
Adams	15.5	5.2	15.6	12.9	16.9	16.7	6.6	17.4	14.6	5.9	-5.6
Allamakee	7.6	4.0	8.0	6.8	13.5	12.2	6.8	11.8	7.1	3.3	6.4
Appanoose	3.3	0.7	2.7	1.5	4.7	5.0	2.7	3.7	0.7	-2.9	-3.4
Audubon	14.3	4.8	15.0	14.7	16.1	18.6	11.3	21.3	12.5	13.9	4.3
Benton	5.6	1.9	6.6	3.9	7.5	8.7	1.9	9.6	9.4	3.9	6.2
Black Hawk	1.2	0.4	1.3	0.8	1.3	0.8	0.4	1.6	1.5	1.2	0.8
Boone	6.3	1.7	6.3	3.9	3.9	6.5	2.2	6.7	5.9	3.7	3.5
Bremer	4.7	0.8	5.1	3.1	5.3	4.1	1.6	4.7	3.5	3.5	2.6
Buchanan	7.7	2.8	9.1	7.5	10.1	8.3	3.5	11.6	5.8	5.6	5.5
Buena Vista	11.1	4.4	10.4	8.6	10.5	11.2	10.5	11.1	11.5	10.6	4.1
Butler	7.9	1.6	9.6	8.1	10.7	5.0	6.4	12.3	10.3	12.0	9.3
Calhoun	18.7	2.8	17.0	8.5	11.6	16.7	16.7	16.9	16.6	13.8	10.2
Carroll	9.1	3.4	10.2	10.4	12.0	13.0	12.5	14.6	10.3	9.8	7.7
Cass	7.8	0.9	9.1	6.2	7.5	9.4	4.6	8.2	5.1	4.6	2.9
Cedar	8.4	3.3	7.9	6.2	10.3	10.9	5.5	9.8	4.8	4.8	6.7
Cerro Gordo	3.6	0.2	3.2	2.3	4.1	1.8	3.2	4.2	3.7	2.5	2.3
Cherokee	21.5	6.3	14.3	14.4	15.2	16.3	16.5	15.3	11.6	8.7	6.7
Chickasaw	9.6	2.5	9.9	8.2	10.7	7.5	5.1	11.1	6.8	6.6	6.6
Clarke	5.0	0.0	3.8	2.2	6.3	5.3	2.9	7.1	3.2	1.3	-5.3
Clay	10.8	0.9	8.1	5.6	9.0	10.0	8.4	9.9	9.9	7.3	4.2
Clayton	8.3	4.9	11.9	11.5	18.1	16.0	9.3	17.8	13.9	10.4	12.8
Clinton	3.6	1.2	3.8	2.3	4.4	4.7	2.2	4.3	1.7	1.6	2.3
Crawford	10.4	4.1	10.7	9.1	11.5	11.7	10.2	9.7	7.0	2.9	3.6
Dallas	3.3	1.2	3.1	2.3	2.8	4.8	0.9	3.7	2.6	0.4	1.1
Davis	2.8	0.0	3.7	0.8	6.0	3.0	1.7	6.9	5.8	2.7	2.4
Decatur	5.9	0.3	4.3	3.8	7.0	7.1	2.3	8.0	5.4	1.8	-2.9
Delaware	10.6	5.9	14.0	14.8	20.9	17.3	12.4	22.3	17.6	13.7	13.9
Des Moines	2.2	1.2	1.8	1.2	2.2	1.6	1.9	1.9	2.3	3.5	4.1
Dickinson	6.0	0.5	5.2	4.9	6.4	8.2	6.9	8.1	6.8	4.4	3.5
Dubuque	1.3	0.8	1.8	1.8	3.5	3.0	1.8	3.5	2.8	1.9	2.4
Emmet	12.7	0.5	8.3	3.8	9.2	11.2	9.2	11.3	10.9	10.1	3.9
Fayette	10.0	4.3	10.8	10.7	14.3	12.8	6.7	14.3	7.7	6.6	8.0
Floyd	9.0	2.8	8.6	7.2	10.6	5.0	6.8	11.3	9.4	8.2	7.1
Franklin	17.3	3.5	18.3	11.0	16.8	17.6	16.7	20.5	20.9	14.4	13.0
Fremont	15.1	0.8	16.0	11.3	12.5	12.9	14.4	11.5	19.7	14.6	4.0
Greene	18.0	5.4	18.2	11.1	11.3	17.1	10.1	16.4	14.6	9.2	6.7
Grundy	11.6	5.6	12.3	9.2	10.2	7.9	9.2	14.8	12.9	9.1	8.6
Guthrie	11.5	4.2	11.6	9.1	10.7	13.9	7.8	13.0	8.0	7.7	4.2
Hamilton	13.5	3.5	11.8	9.2	8.8	15.1	3.0	11.3	11.3	9.0	5.4
Hancock	14.6	1.9	14.3	6.9	14.0	10.3	12.0	13.5	17.4	16.8	12.5
Hardin	8.7	1.4	8.8	5.3	7.6	6.8	3.0	10.6	9.9	8.3	5.4
Harrison	9.8	3.6	10.6	4.4	6.1	4.6	5.8	8.3	9.2	13.1	6.4
Henry	4.7	1.9	4.0	3.0	5.0	2.4	2.4	4.3	3.7	2.5	0.8
Howard	10.2	-0.2	7.3	7.1	12.5	12.9	4.2	14.8	12.8	7.4	12.5
Humboldt	13.6	1.8	12.6	4.1	10.0	16.1	10.4	12.6	11.8	8.5	8.8
Ida	15.2	8.2	17.6	12.9	16.7	18.3	15.9	16.3	14.5	14.2	13.0
Iowa	7.2	2.4	6.8	4.8	8.2	8.4	2.4	11.1	4.4	7.8	9.2
Jackson	4.0	1.7	4.6	2.5	8.1	7.6	4.0	8.2	2.2	2.2	4.0
Jasper	4.6	1.9	4.5	3.4	5.0	5.0	2.8	6.7	6.0	5.8	7.3

Table 8. Percentage of Total Personal Income from Farm Earnings in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	5.3	1.4	4.1	3.1	5.1	4.6	1.8	5.6	6.7	5.3	5.7
Johnson	1.0	0.3	0.9	0.8	1.5	1.4	0.4	1.6	1.4	1.2	1.6
Jones	5.7	1.1	5.5	3.9	7.7	7.1	3.5	9.4	4.9	5.4	8.0
Keokuk	12.4	5.9	11.0	10.3	13.2	14.2	6.8	18.1	10.1	8.8	7.8
Kossuth	18.8	1.2	16.0	6.0	14.0	18.7	18.8	19.5	20.6	14.3	12.4
Lee	2.6	0.8	2.4	1.3	2.1	1.2	1.2	2.2	2.6	3.3	2.6
Linn	0.6	0.1	0.5	0.2	0.6	0.8	0.1	0.5	0.3	0.0	0.3
Louisa	9.9	4.7	8.8	4.3	9.2	6.5	5.2	7.8	8.4	8.0	10.9
Lucas	2.5	-0.4	2.4	1.1	4.1	3.4	2.0	4.4	1.0	-2.7	-3.4
Lyon	18.7	5.9	17.5	17.8	18.6	20.8	15.1	22.9	21.3	21.1	20.8
Madison	6.5	0.7	5.5	3.4	6.1	8.0	2.3	5.7	5.1	2.9	-0.8
Mahaska	7.9	2.9	7.5	7.7	9.3	9.7	5.4	11.3	10.1	8.5	6.8
Marion	3.3	1.2	2.7	2.4	3.3	3.0	2.5	4.4	3.5	2.9	2.2
Marshall	3.3	1.2	3.6	2.7	3.4	4.1	1.7	5.5	3.6	2.7	2.4
Mills	6.8	0.8	7.2	5.8	5.8	5.3	5.3	6.9	8.9	6.9	3.5
Mitchell	14.7	4.9	13.7	13.7	18.0	16.2	10.3	17.3	14.0	10.0	10.6
Monona	12.6	2.5	14.1	6.3	12.5	13.3	10.7	13.7	14.4	11.8	7.8
Monroe	2.5	-1.5	1.6	1.5	3.3	2.8	1.4	3.2	-1.3	-5.0	-2.8
Montgomery	6.6	1.5	8.1	5.8	6.3	7.8	5.0	6.9	7.9	3.9	1.5
Muscatine	2.2	0.4	1.7	0.6	1.8	2.1	0.8	1.5	1.4	2.0	2.8
O'Brien	14.9	5.5	14.6	15.1	16.9	19.3	19.6	18.8	17.1	15.9	13.4
Osceola	20.3	0.7	15.8	16.9	17.9	20.0	19.2	19.4	15.2	8.5	7.2
Page	6.1	2.6	8.8	7.4	7.9	8.2	4.5	8.7	10.1	6.4	-0.1
Palo Alto	17.6	0.0	15.3	6.4	15.4	14.8	14.6	18.6	16.2	16.4	4.8
Plymouth	9.3	5.2	12.4	12.3	13.6	13.9	8.9	15.2	12.2	13.2	10.1
Pocahontas	21.5	1.8	18.4	10.2	12.4	18.5	14.8	15.0	21.3	23.2	8.8
Polk	0.3	0.1	0.2	0.1	0.2	0.3	0.1	0.3	0.2	0.1	0.1
Pottawattamie	2.5	0.6	2.9	2.2	2.2	1.4	1.2	2.4	2.3	2.9	2.4
Poweshiek	5.8	1.7	5.4	3.8	6.5	6.5	2.8	8.3	6.2	1.8	3.8
Ringgold	11.5	-0.3	10.1	7.6	12.7	17.2	8.9	15.9	11.6	0.3	-6.9
Sac	16.4	7.3	18.3	13.0	16.8	18.0	18.2	19.3	19.8	11.5	8.8
Scott	0.7	0.3	0.7	0.5	0.8	1.0	0.4	0.8	0.3	0.5	0.7
Shelby	14.1	5.4	15.0	13.6	14.7	14.8	10.4	14.6	9.0	13.9	11.1
Sioux	8.0	5.2	11.9	11.7	15.3	16.9	12.5	18.8	17.1	18.6	16.5
Story	2.5	0.7	2.5	1.7	1.9	2.9	1.0	2.9	2.9	2.2	2.2
Tama	7.2	1.3	6.6	4.2	7.9	6.3	5.5	10.3	7.3	5.5	5.1
Taylor	12.1	1.0	10.0	7.2	8.3	10.2	3.8	14.8	13.4	10.2	-3.6
Union	4.3	-0.9	2.8	2.5	3.9	3.7	1.7	4.6	1.4	1.3	-2.2
Van Buren	5.8	-0.4	5.4	3.0	6.8	4.1	2.0	8.6	5.5	4.2	2.0
Wapello	1.5	-0.1	1.2	0.5	1.0	1.2	1.3	1.3	1.2	-0.2	-0.1
Warren	2.2	0.1	1.9	1.0	1.8	1.9	1.0	2.3	1.3	2.0	0.8
Washington	8.2	4.5	7.1	8.3	10.4	8.5	5.1	12.0	10.7	12.9	15.7
Wayne	8.4	-1.6	4.8	2.8	5.6	7.1	4.6	11.6	8.2	5.0	-2.2
Webster	5.8	0.9	4.9	2.8	3.0	6.8	2.4	4.6	5.3	2.2	0.9
Winnebago	11.0	-0.3	9.4	4.1	10.6	8.7	10.0	11.3	9.0	6.1	6.8
Winneshiek	7.6	4.2	8.0	7.4	13.1	11.8	5.9	12.2	9.7	6.9	10.0
Woodbury	1.4	0.8	2.0	1.1	1.8	2.1	1.2	2.3	0.7	0.8	0.5
Worth	15.8	0.1	9.7	6.4	14.3	13.1	11.2	15.9	13.5	12.1	12.6
Wright	13.8	1.5	12.5	5.9	10.3	14.6	11.2	10.6	11.9	7.3	6.6
State of Iowa	4.5	1.2	4.5	3.3	4.9	5.1	3.3	5.7	4.8	3.9	3.3

Table 9. Dividends, Interest, and Rent (in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	33943	32179	32982	32604	36184	32653	30472	29776	31732	30922	31633
Adams	14034	13301	13585	14465	14624	14036	13788	14894	15626	15284	16507
Allamakee	47569	45075	45417	44076	45234	41399	39204	40416	43588	42392	41189
Appanoose	36568	34614	35747	36461	36947	35151	33343	34024	35078	34136	34087
Audubon	27109	25592	26994	28274	28710	27667	25935	26179	27640	26725	28155
Benton	72789	68819	64517	67465	67409	63748	63302	63705	66509	67176	66590
Black Hawk	366004	345742	339589	343949	352928	332520	297641	296455	311265	306977	305976
Boone	83643	78817	77419	77850	79324	74890	68083	69299	70726	68692	67867
Bremer	82356	77922	77611	74990	77666	74022	68108	69651	73311	70699	70292
Buchanan	72022	67939	65911	68448	66999	62792	56958	56016	57595	57260	59083
Buena Vista	73355	69281	69318	72569	74222	69817	61667	64019	68142	66256	66380
Butler	49396	46756	49642	49892	51968	49517	46676	49142	53472	53964	54965
Calhoun	53808	51142	48264	43407	44414	42134	39389	40927	43454	44070	44139
Carroll	93046	88040	92143	89149	88598	83341	78655	79499	80361	77808	77415
Cass	69160	65354	62146	64962	65056	61932	56045	59100	62604	60735	59778
Cedar	75270	71161	70017	69253	67822	63302	60676	61321	62351	65402	65540
Cerro Gordo	161715	152913	152248	156885	161551	147875	134889	145148	144945	140928	139239
Cherokee	49318	46648	48872	49857	51886	47256	44965	45292	46661	45826	47810
Chickasaw	41547	39302	40212	40184	41661	40819	39120	40952	43503	42446	43929
Clarke	20067	18991	20591	21526	22798	20833	20692	21618	22833	22380	21717
Clay	60491	57197	58441	57675	60247	57784	55174	53971	57084	56025	54029
Clayton	70595	66866	63523	61822	62622	60351	57038	58984	61358	58668	58283
Clinton	150207	142062	144251	143297	146403	136784	130570	134838	140767	138720	137075
Crawford	76994	72575	69066	64087	61111	50801	46521	49660	53676	53462	54052
Dallas	103973	98347	91709	89838	89736	83210	74489	75800	78892	75994	75486
Davis	31212	29709	28035	25813	25500	20643	19251	20391	21356	19973	19853
Decatur	17688	16659	17619	18528	19426	18610	17282	17632	19013	18545	18655
Delaware	60483	57316	56331	56389	57144	53865	51288	52918	54545	52223	51942
Des Moines	139262	131034	127001	126245	129068	121437	112069	113548	118137	114457	114806
Dickinson	79212	74760	74414	72266	73946	70288	63937	62149	62563	60907	61101
Dubuque	330003	312480	306496	297583	301129	274997	258189	250968	253303	238743	227711
Emmet	38163	36049	36735	36715	37190	33527	31672	34532	37664	37429	37935
Fayette	66209	62686	63600	65245	66571	63921	59725	61805	67452	65488	66235
Floyd	66394	62898	63117	64101	64263	62210	54439	56094	59475	60335	62128
Franklin	42504	40199	42440	42499	43416	40019	36313	40273	42572	43538	42521
Fremont	27415	25790	26769	27687	28570	27573	24765	26169	26469	27162	26385
Greene	44794	42324	42788	42410	42375	40931	38454	41627	45436	44382	43638
Grundy	49071	46326	50258	47404	49121	45976	43039	45196	47754	48279	48514
Guthrie	36864	34805	35878	36907	37660	34473	32054	34084	36638	35996	35705
Hamilton	57114	54048	56378	58736	59058	56067	51560	56091	59102	58395	56361
Hancock	44205	41791	43000	44803	47798	44093	41283	43595	46937	46050	47469
Hardin	74475	69989	71774	74735	76382	74485	72495	72396	76938	75431	76428
Harrison	38966	36506	37255	39714	40555	40260	37917	38065	39924	39555	41743
Henry	59278	56055	55819	57049	57911	54281	51953	53417	55516	54542	53033
Howard	37006	34945	37577	37318	37883	35427	34572	35251	37598	36705	37581
Humboldt	45631	43179	43035	42845	44033	42096	37611	39644	41455	40375	42305
Ida	27804	26262	27311	28737	30066	28204	26983	28492	29909	30369	31088
Iowa	64289	60824	60973	55823	52677	48218	49913	50358	53518	51342	51445
Jackson	71271	67398	62787	64569	61848	60367	57479	60170	63772	62964	62727
Jasper	123367	116685	118555	117519	116294	108627	106665	108071	107076	103990	101481

Table 9. Dividends, Interest, and Rent (in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	57212	54110	53393	51372	54665	49796	42605	44811	45023	43030	43499
Johnson	360801	340422	295837	276257	275099	251415	216839	209189	215423	199030	192613
Jones	62004	58553	58879	59827	65148	62398	57969	56737	60178	59581	57996
Keokuk	44051	41775	43339	44393	45104	43337	40856	44112	45822	45325	46965
Kossuth	68945	65190	64033	67268	71296	67308	61817	64588	68218	68453	70626
Lee	123341	116208	115659	124845	116932	111815	103541	103726	107453	103400	99554
Linn	632610	598492	571576	573859	568584	541190	477811	466349	462928	445973	431410
Louisa	26527	24805	26871	28167	28679	27835	26954	29527	30178	30208	29842
Lucas	30241	28661	28709	27872	29015	28223	27672	26635	28665	27016	27628
Lyon	37964	35697	36746	37771	39291	38695	34670	33510	35994	37447	37285
Madison	35471	33628	33967	34884	35008	32385	31782	32247	34521	34692	34339
Mahaska	70841	66794	63537	65723	66231	61789	60648	62306	63692	61476	60584
Marion	109108	103382	100273	97580	99129	89642	83721	87545	88894	85080	85446
Marshall	138750	131250	131091	130576	135376	132808	114512	113161	120792	116615	114112
Mills	30473	28787	28888	29107	30115	28605	27771	28673	29746	28695	30156
Mitchell	48279	45711	47788	46361	47598	45351	43253	45703	48985	47132	46485
Monona	31428	29568	29410	30928	32200	32022	29765	28974	31408	32187	32163
Monroe	24922	23640	24633	24363	23838	21583	20705	19637	20474	22204	21522
Montgomery	45081	42586	43245	44927	44772	43954	39784	39671	42046	41464	41626
Muscatine	199375	187923	171840	160223	156358	134340	134603	130260	129034	123550	118611
O'Brien	59425	56300	57019	57693	59463	54723	51317	53410	58433	57586	58289
Osceola	25854	24462	25742	25780	27041	25389	23985	24439	25624	26945	28361
Page	65940	62417	61476	63626	64964	61281	55399	56503	58407	54726	55403
Palo Alto	38206	36122	35119	37254	38895	35695	34013	35368	40044	40471	39891
Plymouth	91372	86372	87144	86638	88008	82051	74913	74646	77867	76923	76091
Pocahontas	34440	32512	34206	35139	35948	34484	33187	36312	38580	38620	38036
Polk	1223835	1153449	1114766	1118790	1094777	1004977	907391	850956	838210	797245	769798
Pottawattamie	194710	183759	181455	171942	166903	158431	163037	165237	168772	162045	158417
Poweshiek	69854	66173	66177	66589	66338	62562	58284	58597	60112	58036	57916
Ringgold	18585	17477	16315	17017	17051	16005	15617	16646	17624	17528	17471
Sac	48786	46182	46176	48553	49771	47534	43580	44559	49630	49603	50743
Scott	524984	493974	457177	456280	463146	411730	387025	376701	387812	366703	353996
Shelby	52935	50022	50703	52589	54890	51996	49183	48379	50207	48848	48201
Sioux	103410	97703	97506	96984	88139	83335	83301	82075	85357	85100	86396
Story	236368	221607	217754	205670	192596	181720	177522	177164	178755	173420	168480
Tama	62135	58545	59445	61082	62372	60545	58758	60688	64959	64027	64772
Taylor	20440	19186	20914	21769	22615	21123	20790	22319	24374	24913	25882
Union	39801	37614	37364	39410	41887	38046	37792	37269	40217	39119	39152
Van Buren	21350	20099	20682	21336	20324	19276	18481	18851	20343	19343	19382
Wapello	87736	82283	84925	91617	90909	84198	77269	79750	81903	79487	77437
Warren	84237	79577	76654	76943	74682	68713	64582	63883	64178	60703	60157
Washington	78979	74883	76023	73503	74923	69823	63590	70637	72275	71074	70007
Wayne	22640	21517	21297	23722	24306	23296	21855	23185	24800	24144	25235
Webster	139312	131828	135339	137948	128688	119151	118596	122047	128002	122162	120202
Winnebago	47630	45103	43932	44186	45538	44550	42048	42829	47364	47022	45289
Winneshiek	71766	67902	67058	65320	66223	62719	58977	60805	60659	57569	56560
Woodbury	326031	308403	314251	278922	261456	245278	246744	243918	250303	243315	233820
Worth	26353	24869	26208	27080	27852	25530	24490	25886	28311	28080	27247
Wright	56761	53620	54912	56196	56594	58014	51108	56997	56777	59868	59964
State of Iowa	9708958	9168494	9003613	8960506	8966743	8371895	7794420	7821039	8066668	7837305	7735063

Table 10. Adjusted Dividends, Interest, and Rent (1994 dollars in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	33943	32993	34769	35368	40834	38787	37941	38558	42564	42116	44611
Adams	14034	13637	14321	15691	16503	16673	17168	19287	20960	20817	23279
Allamakee	47569	46215	47878	47812	51047	49175	48814	52336	58468	57738	58088
Appanoose	36568	35489	37684	39552	41695	41754	41516	44059	47053	46494	48072
Audubon	27109	26239	28457	30671	32400	32864	32292	33900	37076	36400	39706
Benton	72789	70559	68013	73184	76072	75723	78819	82493	89213	91494	93910
Black Hawk	366004	354486	357992	373106	398283	394981	370599	383887	417522	418106	431510
Boone	83643	80810	81614	84449	89518	88958	84772	89737	94870	93559	95711
Bremer	82356	79893	81817	81347	87647	87926	84803	90193	98337	96293	99131
Buchanan	72022	69657	69483	74250	75609	74587	70920	72537	77256	77989	83323
Buena Vista	73355	71033	73074	78721	83760	82932	76783	82900	91404	90241	93614
Butler	49396	47938	52332	54121	58647	58818	58117	63635	71726	73499	77516
Calhoun	53808	52435	50880	47087	50122	50049	49044	52997	58288	60024	62248
Carroll	93046	90266	97136	96706	99984	98996	97935	102945	107794	105975	109176
Cass	69160	67007	65514	70469	73416	73565	69783	76530	83975	82722	84303
Cedar	75270	72961	73811	75124	76538	75193	75549	79406	83636	89078	92429
Cerro Gordo	161715	156780	160499	170184	182312	175652	167953	187956	194425	191945	196365
Cherokee	49318	47828	51520	54083	58554	56133	55987	58650	62590	62415	67425
Chickasaw	41547	40296	42391	43590	47015	48487	48709	53030	58354	57812	61952
Clarke	20067	19471	21707	23351	25728	24746	25764	27994	30628	30482	30627
Clay	60491	58643	61608	62564	67989	68638	68698	69888	76571	76307	76196
Clayton	70595	68557	66965	67063	70670	71687	71019	76380	82304	79906	82195
Clinton	150207	145655	152068	155444	165218	162478	162575	174605	188821	188938	193313
Crawford	76994	74410	72809	69520	68964	60344	57924	64306	72000	72816	76228
Dallas	103973	100834	96679	97454	101268	98840	92748	98155	105824	103505	106456
Davis	31212	30460	29554	28001	28777	24521	23970	26405	28646	27203	27998
Decatur	17688	17080	18574	20099	21925	22106	21518	22832	25504	25258	26309
Delaware	60483	58765	59384	61169	64488	63983	63860	68525	73165	71128	73252
Des Moines	139262	134348	133883	136947	145655	144248	139539	147036	158466	155892	161908
Dickinson	79212	76651	78447	78392	83449	83491	79609	80478	83920	82956	86169
Dubuque	330003	320382	323106	322809	339828	326653	321476	324985	339774	325170	321135
Emmet	38163	36961	38726	39827	41969	39825	39435	44716	50521	50979	53499
Fayette	66209	64271	67047	70776	75126	75928	74365	80033	90478	89195	93409
Floyd	66394	64489	66537	69535	72522	73896	67783	72638	79778	82177	87617
Franklin	42504	41216	44740	46102	48995	47536	45214	52151	57105	59299	59966
Fremont	27415	26442	28220	30034	32242	32752	30835	33887	35505	36995	37210
Greene	44794	43394	45107	46005	47821	48620	47880	53904	60947	60449	61541
Grundy	49071	47498	52982	51422	55434	54612	53589	58525	64056	65756	68418
Guthrie	36864	35685	37822	40036	42500	40948	39911	44136	49145	49027	50354
Hamilton	57114	55415	59433	63715	66648	66599	64198	72634	79278	79535	79484
Hancock	44205	42848	45330	48601	53941	52376	51402	56452	62960	62721	66944
Hardin	74475	71759	75664	81070	86198	88476	90265	93747	103203	102738	107784
Harrison	38966	37429	39274	43081	45767	47823	47211	49291	53553	53874	58869
Henry	59278	57473	58844	61885	65353	64477	64688	69171	74468	74287	74791
Howard	37006	35829	39613	40481	42751	42082	43046	45647	50433	49993	52999
Humboldt	45631	44271	45367	46477	49692	50003	46830	51336	55607	54991	59662
Ida	27804	26926	28791	31173	33930	33502	33597	36895	40119	41363	43843
Iowa	64289	62362	64277	60555	59447	57275	62148	65210	71788	69928	72551
Jackson	71271	69102	66190	70043	69796	71706	71568	77916	85542	85758	88462
Jasper	123367	119636	124980	127481	131239	129032	132811	139944	143629	141635	143116

Table 10. Adjusted Dividends, Interest, and Rent (1994 dollars in \$1,000) in Iowa Counties, 1984-1994
(continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	57212	55478	56286	55727	61690	59150	53048	58027	60393	58607	61345
Johnson	360801	349031	311869	299676	310453	298641	269991	270884	288963	271081	271637
Jones	62004	60034	62070	64899	73520	74119	72178	73470	80721	81150	81790
Keokuk	44051	42831	45688	48156	50900	51478	50871	57122	61464	61733	66233
Kossuth	68945	66839	67503	72970	80458	79951	76970	83637	91506	93234	99602
Lee	123341	119147	121927	135428	131959	132819	128921	134317	144135	140832	140398
Linn	632610	613628	602551	622506	641654	642848	594932	603887	620959	607419	608406
Louisa	26527	25432	28327	30555	32365	33064	33561	38235	40480	41144	42085
Lucas	30241	29386	30265	30235	32744	33524	34455	34490	38450	36796	38963
Lyon	37964	36600	38737	40973	44340	45964	43168	43393	48281	51003	52582
Madison	35471	34478	35808	37841	39507	38468	39572	41757	46306	47251	48427
Mahaska	70841	68483	66980	71294	74742	73396	75514	80682	85435	83731	85440
Marion	109108	105996	105707	105852	111868	106481	104243	113364	119240	115880	120502
Marshall	138750	134569	138195	141645	152773	157755	142581	146535	162027	158831	160929
Mills	30473	29515	30453	31574	33985	33978	34578	37129	39900	39083	42528
Mitchell	48279	46867	50378	50291	53715	53870	53855	59182	65707	64194	65557
Monona	31428	30316	31004	33550	36338	38037	37061	37519	42130	43839	45359
Monroe	24922	24238	25968	26428	26901	25637	25780	25428	27463	30242	30352
Montgomery	45081	43663	45589	48736	50526	52210	49536	51371	56399	56474	58704
Muscatine	199375	192675	181152	173805	176452	159575	167597	168677	173083	168276	167274
O'Brien	59425	57724	60109	62584	67105	65002	63896	69162	78380	78433	82203
Osceola	25854	25081	27137	27965	30516	30158	29864	31647	34371	36699	39997
Page	65940	63995	64808	69020	73313	72792	68978	73167	78346	74537	78133
Palo Alto	38206	37036	37022	40412	43893	42400	42350	45799	53714	55122	56257
Plymouth	91372	88556	91867	93982	99318	97464	93276	96661	104449	104770	107309
Pocahontas	34440	33334	36060	38118	40568	40962	41322	47021	51750	52601	53641
Polk	1223835	1182619	1175177	1213631	1235469	1193754	1129811	1101925	1124352	1085855	1085625
Pottawattamie	194710	188406	191288	186518	188352	188191	203001	213970	226386	220707	223411
Poweshiek	69854	67846	69763	72234	74863	74314	72571	75879	80633	79046	81677
Ringgold	18585	17919	17199	18460	19242	19011	19445	21555	23640	23873	24639
Sac	48786	47350	48678	52669	56167	56463	54262	57701	66572	67560	71561
Scott	524984	506466	481952	494959	522666	489070	481893	487800	520201	499453	499231
Shelby	52935	51287	53451	57047	61944	61763	61239	62647	67346	66531	67977
Sioux	103410	100174	102790	105205	99466	98989	103720	106281	114496	115907	121842
Story	236368	227211	229555	223105	217347	215855	221036	229414	239777	236200	237603
Tama	62135	60026	62666	66260	70388	71918	73161	78586	87134	87205	91346
Taylor	20440	19671	22047	23614	25521	25091	25886	28901	32695	33932	36501
Union	39801	38565	39389	42751	47270	45193	47056	48261	53946	53280	55215
Van Buren	21350	20607	21803	23145	22936	22897	23011	24411	27288	26345	27334
Wapello	87736	84364	89527	99383	102592	100014	96209	103270	109862	108262	109207
Warren	84237	81589	80808	83466	84280	81620	80412	82724	86087	82678	84838
Washington	78979	76777	80143	79734	84552	82939	79177	91470	96948	96803	98729
Wayne	22640	22061	22451	25733	27430	27672	27212	30023	33266	32884	35588
Webster	139312	135162	142673	149642	145226	141533	147666	158042	171698	166386	169518
Winnebago	47630	46244	46313	47932	51390	52918	52355	55460	63533	64044	63870
Winneshiek	71766	69619	70692	70857	74733	74500	73433	78738	81366	78410	79765
Woodbury	326031	316202	331281	302567	295056	291352	307226	315856	335750	331397	329750
Worth	26353	25498	27628	29376	31431	30326	30493	33520	37976	38245	38426
Wright	56761	54976	57888	60960	63867	68911	63636	73807	76159	81541	84566
State of Iowa	9708958	9400361	9491537	9720099	10119077	9944491	9704993	10127662	10820410	10674483	10908551

Table 11. Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	22.4	25.0	24.1	26.1	28.5	26.8	29.0	28.0	29.6	32.1	35.2
Adams	17.7	19.9	18.8	21.4	20.9	21.1	24.2	23.3	25.5	28.1	33.3
Allamakee	20.8	21.6	21.9	22.9	22.7	22.5	24.0	23.8	27.5	28.6	27.8
Appanoose	16.7	16.9	17.7	19.2	20.1	20.4	21.0	22.0	24.0	24.9	25.3
Audubon	20.6	22.5	21.6	23.8	24.9	24.6	27.0	25.7	30.3	29.5	34.1
Benton	16.9	17.9	17.0	19.3	19.5	19.4	21.9	21.5	23.0	25.4	25.2
Black Hawk	15.2	15.4	15.7	16.9	17.9	18.1	17.6	18.5	20.3	19.7	19.4
Boone	15.4	16.3	16.2	17.6	18.6	18.2	18.4	19.1	20.6	21.3	22.1
Bremer	18.7	19.6	19.6	20.7	22.0	22.7	23.1	24.1	26.3	25.3	25.5
Buchanan	19.1	20.4	19.5	21.5	21.5	22.0	22.6	21.7	24.9	25.0	25.8
Buena Vista	19.4	21.0	20.5	22.8	23.8	23.2	22.5	24.0	25.5	25.8	28.3
Butler	18.0	19.2	19.3	20.9	22.2	24.2	24.2	24.3	27.7	27.5	28.8
Calhoun	22.6	26.8	22.9	24.5	25.3	24.0	24.4	26.1	28.1	29.3	30.6
Carroll	22.0	23.3	23.4	24.3	25.0	24.8	24.9	25.5	27.5	27.3	27.8
Cass	24.4	26.1	23.8	26.7	27.5	26.7	27.3	28.5	31.0	30.5	30.7
Cedar	21.4	22.7	22.1	23.5	23.1	22.9	24.7	25.0	27.4	28.8	28.6
Cerro Gordo	17.3	18.1	18.2	19.6	20.7	20.8	19.8	21.9	22.8	22.9	23.3
Cherokee	17.4	20.7	20.4	21.4	22.7	22.2	22.2	23.3	25.1	25.7	27.7
Chickasaw	16.6	18.1	17.9	19.1	20.1	21.1	22.1	22.4	25.4	25.5	26.7
Clarke	15.8	16.5	17.3	19.2	20.1	19.4	21.5	22.5	25.3	26.5	28.1
Clay	16.8	18.8	18.7	20.1	20.7	20.9	21.6	22.2	24.2	25.1	25.9
Clayton	22.6	23.4	21.6	22.7	22.0	23.1	25.0	24.5	27.1	27.8	27.4
Clinton	15.7	16.0	16.2	17.3	18.1	18.0	18.8	20.0	21.8	21.7	21.4
Crawford	24.0	25.8	24.0	24.5	24.2	21.7	21.0	22.9	25.6	27.2	27.5
Dallas	14.8	15.4	15.0	16.2	17.0	16.7	16.6	17.6	19.5	19.8	20.1
Davis	22.4	23.3	22.7	23.2	22.6	21.0	21.5	22.5	24.2	23.9	24.0
Decatur	15.1	16.2	16.9	18.5	19.2	19.0	20.5	19.9	22.4	22.9	25.1
Delaware	19.7	20.8	19.6	20.3	19.8	21.1	22.6	21.9	25.0	26.0	26.0
Des Moines	16.4	16.6	16.6	17.4	18.2	18.5	18.2	19.0	20.4	20.3	20.8
Dickinson	23.2	24.4	24.6	26.2	27.1	27.6	28.2	28.9	30.6	31.8	31.4
Dubuque	18.8	19.1	19.4	20.3	21.1	20.8	20.9	21.0	22.7	22.1	21.8
Emmet	17.5	19.6	19.3	21.5	21.5	20.9	21.3	23.4	25.9	25.9	27.6
Fayette	17.9	19.5	19.2	20.7	21.1	21.9	23.3	22.9	26.8	26.4	26.1
Floyd	21.8	22.6	22.0	23.7	23.7	25.6	24.0	24.4	27.0	28.3	29.0
Franklin	20.2	23.6	21.4	24.6	24.1	23.8	23.5	25.0	26.2	29.3	29.8
Fremont	17.5	20.7	18.9	22.0	23.6	23.6	21.9	24.1	22.8	24.7	26.9
Greene	22.4	25.8	23.4	26.8	28.0	26.3	28.2	28.6	31.5	33.1	34.0
Grundy	19.7	21.1	21.4	22.5	23.9	24.7	24.7	24.9	27.5	28.5	28.7
Guthrie	17.5	18.7	18.6	20.6	21.6	20.7	22.3	23.2	26.7	27.0	28.4
Hamilton	16.7	19.0	18.5	20.7	21.9	20.2	22.8	23.5	25.1	25.9	26.6
Hancock	19.6	22.9	21.3	25.1	25.0	25.5	24.8	26.7	27.7	27.7	29.7
Hardin	20.4	22.1	21.7	24.3	24.9	26.4	28.0	26.2	27.9	28.5	29.9
Harrison	14.8	15.8	15.5	18.6	19.7	21.0	21.0	21.5	22.6	22.1	25.4
Henry	16.1	16.7	17.0	18.6	19.4	20.0	20.5	21.8	23.7	24.5	25.4
Howard	20.8	23.6	24.2	25.6	25.9	26.1	29.5	27.6	30.5	32.4	31.3
Humboldt	21.2	24.6	22.8	26.3	26.1	24.6	25.5	27.1	29.1	30.0	31.1
Ida	17.8	19.2	18.9	22.0	22.6	22.0	22.7	24.7	27.6	28.6	30.5
Iowa	20.1	21.3	21.2	21.9	21.7	21.3	24.8	23.8	28.0	26.8	26.8
Jackson	20.0	20.5	19.5	21.9	21.2	22.0	23.1	24.0	27.6	27.7	27.4
Jasper	17.4	18.2	18.5	19.7	19.7	19.6	20.9	21.1	22.2	22.4	22.3

Table 11. Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa Counties, 1984-1994
(continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	19.0	20.3	19.9	20.7	21.9	21.6	20.4	21.5	22.6	23.7	24.9
Johnson	16.7	17.1	16.0	15.9	16.6	16.4	15.9	16.4	17.8	17.5	17.8
Jones	19.9	20.8	20.7	22.7	24.1	24.8	25.9	25.3	28.7	29.0	28.3
Keokuk	21.5	23.0	23.1	25.0	25.3	25.5	27.8	26.4	30.1	30.5	32.5
Kossuth	19.6	23.7	20.7	25.1	24.6	23.3	23.2	24.7	25.8	28.1	29.7
Lee	17.3	17.7	17.8	20.1	19.7	20.0	19.8	20.4	21.0	20.5	20.3
Linn	15.8	16.1	16.2	17.3	17.8	18.0	17.4	18.1	19.0	19.3	19.7
Louisa	12.4	12.9	13.8	15.9	15.9	16.8	18.0	19.7	21.1	22.4	22.2
Lucas	19.1	19.6	19.5	20.1	21.1	21.4	22.4	22.2	24.7	24.7	26.0
Lyon	18.5	21.2	20.0	21.5	23.2	23.4	24.5	22.6	25.0	26.3	26.9
Madison	14.2	15.3	15.6	17.4	17.7	17.4	19.2	20.1	22.5	24.0	25.3
Mahaska	18.1	19.1	18.2	19.9	20.2	20.3	22.0	21.9	23.3	23.7	24.7
Marion	17.7	18.3	18.4	19.1	19.9	19.3	19.3	20.6	22.5	22.7	23.6
Marshall	17.5	18.3	18.4	19.1	20.5	21.1	20.4	20.2	22.3	21.9	21.9
Mills	10.2	10.8	10.5	11.3	12.3	12.6	12.8	14.0	15.5	16.3	19.1
Mitchell	21.6	24.3	23.8	24.5	24.8	25.8	28.2	27.3	31.0	32.3	32.3
Monona	17.1	18.8	17.7	21.4	21.8	22.5	23.6	23.5	25.2	26.5	27.8
Monroe	16.3	17.2	18.0	18.9	19.2	19.2	19.5	19.2	22.0	24.1	24.2
Montgomery	19.9	20.9	20.8	22.9	23.5	23.8	24.0	24.6	26.3	27.1	27.9
Muscatine	22.2	22.3	21.4	21.9	22.1	20.6	22.0	22.3	22.8	22.2	21.8
O'Brien	19.7	22.2	21.1	22.4	23.4	22.8	22.3	24.3	27.2	28.1	29.6
Osceola	19.5	24.1	22.1	23.1	24.9	24.6	25.1	26.3	29.0	32.7	34.3
Page	20.3	21.4	20.7	22.9	24.0	23.8	24.3	24.6	25.4	25.9	28.5
Palo Alto	19.1	22.9	20.1	24.6	24.1	23.6	24.0	24.2	27.8	28.2	31.8
Plymouth	19.6	20.7	20.4	21.7	22.8	23.1	24.6	23.2	26.6	26.8	28.1
Pocahontas	18.8	23.4	20.8	24.4	25.0	23.4	25.2	27.8	27.4	27.6	33.0
Polk	14.5	14.6	14.8	15.9	16.4	16.3	16.0	16.4	17.1	17.0	17.1
Pottawattamie	12.7	12.9	13.0	13.2	13.4	13.6	14.6	15.2	15.9	15.6	15.8
Poweshiek	18.7	19.7	19.7	21.1	21.3	21.3	22.0	22.0	24.1	25.6	25.7
Ringgold	20.9	23.8	20.5	23.7	23.4	22.0	25.6	25.7	28.2	32.2	35.2
Sac	22.4	24.8	22.7	26.1	26.6	26.5	26.2	27.4	29.4	32.6	33.8
Scott	15.9	15.9	15.3	16.2	17.0	16.4	16.6	16.9	18.0	17.3	17.1
Shelby	21.7	23.8	22.7	24.9	26.6	26.6	27.7	27.2	30.2	28.4	29.3
Sioux	19.4	20.3	20.1	21.4	20.2	20.2	22.7	22.1	24.0	23.6	24.8
Story	16.2	16.5	16.8	17.0	16.8	16.8	18.0	18.6	19.7	19.9	20.6
Tama	18.7	20.3	20.9	22.8	23.0	23.9	24.7	24.9	27.8	28.4	29.6
Taylor	19.1	21.3	21.6	24.1	25.7	25.4	27.9	26.8	29.2	31.2	37.4
Union	18.5	19.1	19.0	21.1	22.6	21.8	23.4	23.7	26.3	26.4	27.7
Van Buren	17.7	19.2	19.1	21.6	20.7	21.3	22.7	22.4	25.3	25.1	26.5
Wapello	13.6	13.8	14.5	16.4	16.9	16.7	16.9	18.0	19.0	18.4	18.2
Warren	11.4	11.7	11.8	12.7	13.0	13.0	13.2	13.9	14.8	14.5	15.1
Washington	20.3	21.3	21.7	22.0	22.7	23.4	24.1	25.6	27.3	26.9	26.4
Wayne	19.6	21.8	21.1	24.9	25.2	25.2	26.2	26.2	28.8	30.1	33.3
Webster	17.9	18.9	19.3	21.1	20.9	20.0	22.0	23.2	24.3	24.5	24.5
Winnebago	18.9	21.6	20.3	23.0	22.4	22.9	21.9	23.5	27.0	28.1	27.2
Winneshiek	18.8	19.6	19.6	20.4	20.6	21.6	23.3	23.4	25.1	25.8	25.4
Woodbury	15.5	15.8	16.6	16.4	16.2	16.2	17.5	18.0	19.7	19.7	19.6
Worth	18.1	21.1	20.7	23.1	22.4	22.2	22.5	23.3	26.4	26.9	26.1
Wright	20.9	24.2	22.5	25.8	25.5	25.2	25.1	28.3	28.1	30.3	29.1
State of Iowa	17.0	17.7	17.6	18.8	19.3	19.3	19.6	20.3	21.9	22.0	22.5

Table 12. Transfer Payments (in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	29692	28585	26078	23710	22117	20213	18615	17744	17729	17380	16422
Adams	18144	17074	15986	14799	13911	12920	12128	12279	12024	11084	10310
Allamakee	46794	45753	42497	38249	35592	32814	30112	29205	28611	27881	25116
Appanoose	60382	59415	56071	52168	48023	44951	41627	40023	39738	39409	37695
Audubon	26485	26033	24031	22068	20636	19081	17101	16186	15799	15380	14421
Benton	70101	65305	62891	58713	53167	48792	44674	43518	42830	41496	39364
Black Hawk	438926	414424	390254	361629	329284	306735	281880	271965	273013	266663	248434
Boone	135095	125328	116542	110895	101824	93960	90102	81264	71598	65195	56234
Bremer	65843	62348	59255	55418	50089	46902	43714	43300	42861	41067	37892
Buchanan	65706	63115	59223	55716	50090	47077	43410	43473	42029	40627	37051
Buena Vista	66120	62351	59687	54952	50566	47552	44662	42579	41894	39983	37438
Butler	58348	56177	53157	47964	43061	39643	36105	35427	34624	32683	31118
Calhoun	49008	46943	43904	40968	37602	33680	31179	29606	28809	28098	25993
Carroll	73590	70020	65913	60660	55805	51547	46442	43775	42541	40569	38178
Cass	60337	57893	54487	50027	45477	41803	37888	35856	35229	34543	32973
Cedar	50344	48367	46847	42158	38684	35703	32680	31703	30946	29965	27846
Cerro Gordo	172956	167509	157924	145922	132806	121582	111665	107573	104834	99620	91175
Cherokee	49501	47531	44676	41903	39335	36752	33590	33052	31740	29815	27335
Chickasaw	43989	42275	39142	36198	32669	30447	28232	27169	27146	26663	24613
Clarke	29702	29478	26949	24468	22016	20406	18836	17864	17460	17025	16073
Clay	59414	55938	52511	48209	44244	40591	37517	36438	35736	34182	31323
Clayton	64956	62695	59507	54924	50095	46330	42507	39988	38930	38444	35738
Clinton	187679	178024	170036	158902	144490	132855	121133	113741	112344	110160	104645
Crawford	61381	56604	53749	49386	45071	41098	37125	34056	33164	31631	31066
Dallas	98932	94582	88101	80772	73979	69984	63084	59744	59066	57040	54140
Davis	30131	28868	26804	24512	22785	21346	19642	19108	18741	17977	16845
Decatur	34719	33108	31486	27894	25888	23793	22157	20278	19699	19423	18598
Delaware	47690	46430	43459	39952	36269	33779	30822	29954	29495	28931	26789
Des Moines	152292	146174	138521	128366	118523	109582	101683	98106	96857	94716	86787
Dickinson	54971	53584	49029	45704	41247	38132	34965	33804	33054	31937	29647
Dubuque	276279	267659	249693	229542	210167	195466	179298	165987	163314	159044	154972
Emmet	46088	44238	41871	38347	34713	32397	29429	27848	27303	26510	25087
Fayette	83305	77869	73108	67690	61225	56700	51819	48788	48397	48288	45638
Floyd	64741	62102	59711	54346	49670	45652	42039	40254	39872	39259	36663
Franklin	39487	38028	36909	33664	30298	27740	25695	25383	24530	23358	21614
Fremont	35729	33890	31128	28559	26164	24633	22579	21100	20498	19488	18651
Greene	39627	37976	35628	33034	30720	28865	26509	24626	24498	24366	22878
Grundy	37891	36614	36057	33724	30724	28714	26399	25375	24970	24789	23173
Guthrie	42981	42658	40202	36708	33766	31591	28899	27554	26975	26111	24728
Hamilton	58450	56850	54344	49088	45404	41542	37799	35352	34667	34176	32299
Hancock	40528	38704	36696	33164	30635	27640	25139	24680	24299	23024	21068
Hardin	76839	73973	70107	64903	59085	54589	50411	48355	46562	43846	42140
Harrison	61264	58921	55997	51089	45420	42661	38205	35630	34537	34115	32439
Henry	59578	57801	54601	51284	46945	43350	40455	37845	37256	36444	33495
Howard	37475	35828	33927	30935	27889	25599	22937	21053	20888	20657	19816
Humboldt	40854	39278	36924	34308	31364	28610	25918	24370	23814	23310	22024
Ida	28222	27717	25723	23918	21623	20329	18606	18031	17300	16267	14821
Iowa	44109	43271	41010	37882	34682	31855	29668	28660	28118	27301	24411
Jackson	70706	67716	66084	59555	53908	50244	46537	42441	41655	41697	40379
Jasper	117915	112700	105646	96419	87763	80960	74324	71359	70076	67302	63270

Table 12. Transfer Payments (in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	46899	44335	42062	38801	36167	33489	30940	30362	29653	28054	26197
Johnson	186068	175435	163672	151151	137476	126559	115649	110734	105280	99858	88370
Jones	55805	55047	50672	46138	42726	40183	36575	35144	34522	33597	31577
Keokuk	45896	45071	42710	39109	35906	33463	31154	29876	29413	28119	26411
Kossuth	62490	60110	55475	51727	47334	43844	40072	38254	37729	36935	34495
Lee	139302	134750	129435	118983	107731	102435	93809	91036	90015	86916	81556
Linn	499998	471768	445895	410537	376802	344411	316462	307666	303028	288675	266725
Louisa	34056	33633	31859	30178	27113	24933	23297	22178	21881	21106	19638
Lucas	37997	36333	34892	32412	29735	27683	25892	23735	23560	24396	22803
Lyon	35092	33357	31058	28953	26857	24641	22482	21797	21448	20383	18914
Madison	43386	42150	39472	36419	33320	30958	28382	26128	25392	24728	23524
Mahaska	71204	69745	66919	61445	56339	52376	48483	46202	45610	44874	41435
Marion	104524	99931	93965	87625	80098	74064	68211	63580	61749	59532	56876
Marshall	132143	124975	116862	109451	101020	94093	87176	86528	84874	82115	75629
Mills	91703	90123	88872	82703	76736	68894	66589	58759	47350	39350	30292
Mitchell	37218	36018	33443	30816	28477	26609	24710	24559	23941	23280	21545
Monona	45963	45305	42035	38801	35224	32226	29272	27160	26287	26054	24989
Monroe	36639	34759	33014	30760	28240	26610	24827	22844	22844	22490	21431
Montgomery	52385	50719	46848	42583	39165	36190	32999	31754	31022	30322	28612
Muscatine	120706	115613	110034	102154	92635	86232	78281	74000	73946	72331	66663
O'Brien	55981	52732	50709	46565	42525	38884	35654	34870	33885	31547	30073
Osceola	23591	23344	21939	19792	18143	17166	15753	14889	14956	14317	13523
Page	67711	65077	62393	57852	53182	49584	45603	43346	42366	41218	38521
Palo Alto	42052	41115	37861	35521	32122	29505	26927	25439	25154	24649	23273
Plymouth	71256	67596	62777	57773	52844	48869	44561	43011	41678	40577	37205
Pocahontas	36154	34321	32117	29430	27000	25035	23172	22825	22321	21353	20001
Polk	1053957	1011511	949378	869707	796752	735216	670987	632629	620994	606313	559496
Pottawattamie	298701	283730	270287	246074	229022	208538	191223	181958	179681	178560	164362
Poweshiek	59748	56915	53697	48829	45022	41942	38366	36579	35926	34129	32261
Ringgold	22321	21244	20297	18437	16846	15562	14229	13603	12949	12805	11761
Sac	46227	44619	42141	39556	36260	33733	31006	28784	28345	27425	26011
Scott	517353	497819	460261	422343	387860	356615	327720	305697	299075	289741	271840
Shelby	46938	44320	40635	37310	34122	31287	28680	28486	27432	25875	24552
Sioux	81203	78504	73355	67289	61103	56527	51387	49817	48268	45976	42841
Story	173542	165713	155552	146942	133581	123919	113748	109393	103763	99160	88283
Tama	64105	60993	56431	51610	46652	43159	39850	38940	38123	37212	33908
Taylor	28311	27375	25927	24145	22333	20697	19024	18535	18236	17764	16721
Union	50658	49501	46145	43215	40134	37445	34397	32264	31742	31430	29978
Van Buren	28039	26188	25332	23451	21698	20915	18839	17749	17580	17428	16082
Wapello	154195	148765	144731	133396	121096	114215	105267	100407	100370	97131	91776
Warren	95307	90718	83484	76857	70029	64213	59306	55089	53234	51901	47538
Washington	64882	62723	59161	55211	50417	45606	41509	39645	38797	36952	33843
Wayne	33464	32546	30583	27514	25806	24207	21759	19753	19562	19566	19884
Webster	158303	154892	144734	133805	122944	113277	103867	97614	95844	91692	87840
Winnebago	41042	39381	36061	33641	30994	28805	26296	25183	24797	24055	21984
Winneshiek	60040	58359	53034	48898	44748	41772	38492	36663	35806	34176	31945
Woodbury	361187	348225	336082	312288	285757	262221	242454	228873	223261	213529	200661
Worth	27978	28350	26654	24629	22317	20776	19160	18683	18502	18015	16586
Wright	54449	52977	50606	46447	42546	39661	37204	36163	35694	34722	32053
State of Iowa	9403465	9014454	8495641	7834638	7170466	6628431	6089644	5792652	5665955	5481272	5103309

Table 13. Adjusted Transfer Payments (1994 dollars in \$1,000) in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	29692	29308	27491	25720	24959	24010	23178	22977	23781	23672	23160
Adams	18144	17506	16852	16054	15699	15347	15101	15900	16129	15097	14540
Allamakee	46794	46910	44800	41491	40166	38978	37493	37818	38378	37974	35420
Appanoose	60382	60918	59110	56590	54195	53395	51831	51827	53303	53675	53160
Audubon	26485	26691	25333	23939	23288	22665	21293	20960	21192	20948	20338
Benton	70101	66957	66299	63690	60000	57957	55625	56353	57451	56518	55514
Black Hawk	438926	424905	411403	392285	371601	364353	350975	352174	366212	363198	350360
Boone	135095	128497	122858	120296	114910	111610	112188	105231	96040	88796	79305
Bremer	65843	63925	62466	60116	56526	55712	54429	56070	57493	55934	53438
Buchanan	65706	64711	62432	60439	56527	55920	54051	56294	56377	55334	52252
Buena Vista	66120	63928	62922	59610	57064	56484	55610	55137	56195	54457	52798
Butler	58348	57598	56038	52030	48595	47090	44955	45875	46444	44515	43885
Calhoun	49008	48130	46283	44441	42434	40007	38822	38338	38644	38270	36657
Carroll	73590	71791	69485	65802	62977	61230	57826	56685	57063	55255	53841
Cass	60337	59357	57440	54268	51321	49655	47175	46431	47255	47048	46501
Cedar	50344	49590	49386	45732	43655	42410	40691	41053	41510	40813	39270
Cerro Gordo	172956	171745	166482	158292	149873	144420	139036	139299	140621	135683	128582
Cherokee	49501	48733	47097	45455	44390	43656	41824	42800	42575	40608	38550
Chickasaw	43989	43344	41263	39267	36867	36166	35152	35182	36413	36315	34711
Clarke	29702	30223	28409	26542	24845	24239	23453	23133	23420	23188	22667
Clay	59414	57353	55357	52296	49930	48216	46713	47184	47935	46556	44174
Clayton	64956	64281	62732	59580	56533	55033	52926	51781	52220	52361	50400
Clinton	187679	182526	179251	172372	163059	157811	150825	147286	150695	150039	147578
Crawford	61381	58035	56662	53573	50863	48818	46225	44100	44485	43082	43812
Dallas	98932	96974	92875	87619	83486	83130	78547	77364	79230	77689	76352
Davis	30131	29598	28257	26590	25713	25356	24457	24743	25139	24485	23756
Decatur	34719	33945	33192	30259	29215	28262	27588	26258	26424	26454	26228
Delaware	47690	47604	45814	43339	40930	40124	38377	38788	39564	39404	37780
Des Moines	152292	149871	146028	139248	133755	130166	126608	127040	129921	129004	122393
Dickinson	54971	54939	51686	49578	46548	45295	43536	43774	44338	43498	41810
Dubuque	276279	274428	263224	249001	237176	232183	223248	214941	219065	216619	218553
Emmet	46088	45357	44140	41598	39174	38483	36643	36061	36624	36107	35380
Fayette	83305	79838	77070	73428	69093	67351	64521	63177	64918	65769	64362
Floyd	64741	63673	62947	58953	56053	54227	52344	52126	53483	53471	51705
Franklin	39487	38990	38909	36518	34192	32951	31993	32869	32904	31814	30482
Fremont	35729	34747	32815	30980	29526	29260	28114	27323	27495	26543	26303
Greene	39627	38936	37559	35834	34668	34287	33007	31889	32861	33187	32264
Grundy	37891	37540	38011	36583	34672	34108	32870	32859	33494	33763	32680
Guthrie	42981	43737	42381	39820	38105	37525	35983	35680	36184	35563	34873
Hamilton	58450	58288	57289	53249	51239	49345	47064	45778	46501	46548	45550
Hancock	40528	39683	38685	35975	34572	32832	31301	31959	32594	31359	29712
Hardin	76839	75844	73906	70405	66678	64843	62768	62616	62457	59719	59429
Harrison	61264	60411	59032	55420	51257	50675	47570	46138	46327	46465	45748
Henry	59578	59263	57560	55631	52978	51493	50371	49006	49974	49637	47237
Howard	37475	36734	35766	33557	31473	30408	28559	27262	28019	28135	27946
Humboldt	40854	40271	38925	37216	35395	33984	32271	31557	31943	31748	31060
Ida	28222	28418	27117	25946	24402	24148	23167	23349	23206	22156	20902
Iowa	44109	44365	43232	41093	39139	37839	36940	37113	37717	37184	34426
Jackson	70706	69429	69665	64604	60836	59682	57944	54958	55875	56792	56945
Jasper	117915	115550	111371	104593	99042	96168	92542	92405	93998	91666	89228

Table 13. Adjusted Transfer Payments (1994 dollars in \$1,000) in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	46899	45456	44341	42090	40815	39780	38524	39317	39776	38210	36945
Johnson	186068	179872	172542	163964	155143	150332	143997	143392	141220	136008	124626
Jones	55805	56439	53418	50049	48217	47731	45540	45509	46307	45759	44532
Keokuk	45896	46211	45025	42424	40520	39749	38790	38687	39454	38298	37247
Kossuth	62490	61630	58481	56112	53417	52080	49894	49536	50609	50306	48647
Lee	139302	138158	136449	129069	121576	121677	116804	117885	120744	118380	115016
Linn	499998	483699	470059	445339	425226	409106	394033	398405	406474	393178	376155
Louisa	34056	34484	33586	32736	30597	29616	29008	28719	29351	28747	27695
Lucas	37997	37252	36783	35160	33556	32883	32239	30735	31603	33228	32158
Lyon	35092	34201	32741	31407	30308	29270	27993	28225	28770	27762	26674
Madison	43386	43216	41611	39506	37602	36773	35339	33834	34060	33680	33175
Mahaska	71204	71509	70545	66654	63579	62214	60367	59828	61180	61119	58435
Marion	104524	102458	99057	95053	90392	87976	84931	82331	82828	81083	80211
Marshall	132143	128136	123195	118729	114002	111768	108545	112047	113848	111841	106658
Mills	91703	92402	93688	89714	86597	81835	82911	76089	63514	53595	42720
Mitchell	37218	36929	35255	33428	32137	31607	30767	31802	32114	31708	30384
Monona	45963	46451	44313	42090	39751	38279	36447	35170	35261	35486	35241
Monroe	36639	35638	34803	33368	31869	31608	30913	29581	30642	30632	30224
Montgomery	52385	52002	49387	46193	44198	42988	41088	41119	41612	41299	40351
Muscatine	120706	118537	115997	110814	104540	102430	97469	95824	99189	98516	94013
O'Brien	55981	54066	53457	50512	47990	46188	44394	45154	45452	42967	42411
Osceola	23591	23934	23128	21470	20475	20391	19614	19280	20062	19500	19071
Page	67711	66723	65774	62756	60017	58898	56781	56130	56829	56139	54325
Palo Alto	42052	42155	39913	38532	36250	35047	33527	32942	33741	33572	32821
Plymouth	71256	69305	66179	62670	59635	58049	55484	55696	55906	55266	52469
Pocahontas	36154	35189	33857	31925	30470	29738	28852	29557	29941	29083	28207
Polk	1053957	1037092	1000827	943433	899144	873321	835460	819207	832985	825804	789042
Pottawattamie	298701	290905	284934	266934	258454	247710	238096	235622	241019	243200	231795
Poweshiek	59748	58354	56607	52968	50808	49820	47770	47367	48190	46484	45497
Ringgold	22321	21781	21397	20000	19011	18485	17717	17615	17369	17441	16586
Sac	46227	45747	44425	42909	40920	40069	38606	37273	38021	37353	36683
Scott	517353	510409	485203	458146	437705	423602	408051	395855	401171	394630	383369
Shelby	46938	45441	42837	40473	38507	37164	35710	36887	36797	35242	34625
Sioux	81203	80489	77330	72993	68955	67145	63983	64509	64745	62620	60418
Story	173542	169904	163982	159398	150748	147196	141630	141656	139185	135057	124503
Tama	64105	62535	59489	55985	52647	51266	49618	50424	51137	50683	47820
Taylor	28311	28067	27332	26192	25203	24585	23687	24001	24461	24195	23581
Union	50658	50753	48646	46878	45292	44479	42828	41779	42578	42808	42277
Van Buren	28039	26850	26705	25439	24486	24844	23457	22984	23581	23737	22680
Wapello	154195	152527	152574	144704	136658	135669	131070	130020	134634	132293	129429
Warren	95307	93012	88008	83372	79029	76275	73843	71336	71407	70690	67042
Washington	64882	64309	62367	59891	56896	54173	51684	51337	52041	50329	47728
Wayne	33464	33369	32240	29846	29122	28754	27093	25579	26240	26649	28042
Webster	158303	158809	152577	145148	138744	134555	129327	126403	128563	124885	123878
Winnebago	41042	40377	38015	36493	34977	34216	32742	32610	33262	32763	31003
Winneshiek	60040	59835	55908	53043	50499	49619	47927	47476	48029	46548	45051
Woodbury	361187	357031	354295	338761	322480	311477	301884	296373	299476	290829	282987
Worth	27978	29067	28098	26717	25185	24679	23857	24193	24818	24537	23391
Wright	54449	54317	53348	50384	48014	47111	46323	46828	47879	47292	45203
State of Iowa	9403465	9242425	8956037	8498790	8091957	7873531	7582341	7501052	7600159	7465544	7197059

Table 14. Percentage of Total Personal Income from Transfer Payments in Iowa Counties, 1984-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Adair	19.6	22.2	19.0	19.0	17.4	16.6	17.7	16.7	16.5	18.0	18.3
Adams	22.9	25.5	22.1	21.8	19.9	19.4	21.3	19.2	19.6	20.4	20.8
Allamakee	20.5	22.0	20.5	19.9	17.9	17.8	18.5	17.2	18.0	18.8	17.0
Appanoose	27.5	29.1	27.8	27.5	26.2	26.1	26.2	25.9	27.2	28.8	28.0
Audubon	20.2	22.9	19.2	18.6	17.9	17.0	17.8	15.9	17.3	17.0	17.5
Benton	16.3	17.0	16.6	16.8	15.4	14.8	15.5	14.7	14.8	15.7	14.9
Black Hawk	18.2	18.5	18.0	17.8	16.7	16.7	16.6	16.9	17.8	17.1	15.8
Boone	24.9	25.9	24.4	25.1	23.9	22.8	24.4	22.4	20.9	20.2	18.3
Bremer	15.0	15.7	14.9	15.3	14.2	14.4	14.8	15.0	15.4	14.7	13.7
Buchanan	17.5	19.0	17.5	17.5	16.1	16.5	17.2	16.8	18.2	17.7	16.2
Buena Vista	17.5	18.9	17.7	17.3	16.2	15.8	16.3	16.0	15.7	15.6	15.9
Butler	21.2	23.1	20.6	20.1	18.4	19.4	18.7	17.5	17.9	16.6	16.3
Calhoun	20.6	24.6	20.9	23.2	21.5	19.2	19.3	18.9	18.6	18.7	18.0
Carroll	17.4	18.5	16.8	16.6	15.8	15.4	14.7	14.0	14.5	14.3	13.7
Cass	21.3	23.1	20.9	20.5	19.2	18.0	18.5	17.3	17.4	17.4	16.9
Cedar	14.3	15.4	14.8	14.3	13.2	12.9	13.3	12.9	13.6	13.2	12.1
Cerro Gordo	18.5	19.8	18.8	18.3	17.0	17.1	16.4	16.2	16.5	16.2	15.3
Cherokee	17.5	21.1	18.7	18.0	17.2	17.3	16.6	17.0	17.1	16.7	15.9
Chickasaw	17.6	19.5	17.4	17.2	15.8	15.7	15.9	14.9	15.8	16.0	14.9
Clarke	23.4	25.6	22.7	21.9	19.4	19.0	19.6	18.6	19.3	20.1	20.8
Clay	16.5	18.4	16.8	16.8	15.2	14.7	14.7	15.0	15.2	15.3	15.0
Clayton	20.8	22.0	20.2	20.1	17.6	17.7	18.6	16.6	17.2	18.2	16.8
Clinton	19.6	20.1	19.1	19.2	17.9	17.5	17.4	16.8	17.4	17.2	16.4
Crawford	19.1	20.1	18.7	18.9	17.9	17.6	16.7	15.7	15.8	16.1	15.8
Dallas	14.1	14.8	14.4	14.5	14.0	14.1	14.1	13.9	14.6	14.9	14.4
Davis	21.7	22.6	21.7	22.0	20.2	21.7	22.0	21.1	21.3	21.5	20.4
Decatur	29.6	32.2	30.1	27.9	25.6	24.2	26.3	22.9	23.2	23.9	25.0
Delaware	15.6	16.9	15.1	14.4	12.5	13.2	13.6	12.4	13.5	14.4	13.4
Des Moines	17.9	18.5	18.1	17.7	16.7	16.7	16.5	16.4	16.7	16.8	15.7
Dickinson	16.1	17.5	16.2	16.5	15.1	15.0	15.4	15.7	16.2	16.7	15.2
Dubuque	15.7	16.4	15.8	15.6	14.7	14.8	14.5	13.9	14.7	14.7	14.8
Emmet	21.1	24.1	22.0	22.5	20.1	20.1	19.8	18.9	18.7	18.4	18.3
Fayette	22.5	24.3	22.0	21.4	19.4	19.4	20.2	18.1	19.2	19.4	18.0
Floyd	21.3	22.4	20.8	20.1	18.3	18.8	18.5	17.5	18.1	18.4	17.1
Franklin	18.7	22.3	18.6	19.5	16.8	16.5	16.6	15.7	15.1	15.7	15.1
Fremont	22.8	27.2	22.0	22.7	21.6	21.1	20.0	19.5	17.7	17.7	19.0
Greene	19.9	23.1	19.5	20.9	20.3	18.5	19.4	16.9	17.0	18.2	17.8
Grundy	15.2	16.7	15.3	16.0	14.9	15.5	15.1	14.0	14.4	14.6	13.7
Guthrie	20.4	22.9	20.8	20.5	19.3	19.0	20.1	18.7	19.6	19.6	19.7
Hamilton	17.1	20.0	17.9	17.3	16.8	15.0	16.7	14.8	14.7	15.2	15.2
Hancock	18.0	21.2	18.1	18.6	16.0	16.0	15.1	15.1	14.3	13.8	13.2
Hardin	21.1	23.4	21.2	21.1	19.2	19.4	19.5	17.5	16.9	16.5	16.5
Harrison	23.3	25.5	23.3	24.0	22.0	22.3	21.2	20.1	19.6	19.1	19.8
Henry	16.2	17.2	16.6	16.7	15.7	16.0	16.0	15.4	15.9	16.4	16.0
Howard	21.0	24.1	21.8	21.2	19.1	18.8	19.6	16.5	16.9	18.2	16.5
Humboldt	19.0	22.4	19.6	21.0	18.6	16.7	17.6	16.7	16.7	17.3	16.2
Ida	18.0	20.3	17.8	18.3	16.2	15.9	15.6	15.6	16.0	15.3	14.5
Iowa	13.8	15.2	14.3	14.9	14.3	14.1	14.7	13.6	14.7	14.2	12.7
Jackson	19.8	20.6	20.5	20.2	18.4	18.4	18.7	16.9	18.0	18.3	17.6
Jasper	16.6	17.5	16.5	16.2	14.9	14.6	14.5	14.0	14.5	14.5	13.9

Table 14. Percentage of Total Personal Income from Transfer Payments in Iowa Counties, 1984-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	15.6	16.6	15.7	15.6	14.5	14.5	14.8	14.5	14.9	15.4	15.0
Johnson	8.6	8.8	8.8	8.7	8.3	8.3	8.5	8.7	8.7	8.8	8.2
Jones	17.9	19.5	17.8	17.5	15.8	16.0	16.4	15.7	16.5	16.4	15.4
Keokuk	22.4	24.9	22.8	22.0	20.1	19.7	21.2	17.9	19.3	18.9	18.3
Kossuth	17.7	21.8	18.0	19.3	16.4	15.2	15.1	14.7	14.3	15.1	14.5
Lee	19.5	20.6	19.9	19.2	18.1	18.3	17.9	17.9	17.6	17.3	16.6
Linn	12.5	12.7	12.6	12.4	11.8	11.5	11.5	11.9	12.5	12.5	12.2
Louisa	15.9	17.5	16.4	17.1	15.0	15.1	15.6	14.8	15.3	15.6	14.6
Lucas	24.0	24.8	23.7	23.4	21.6	21.0	21.0	19.8	20.3	22.3	21.5
Lyon	17.1	19.8	16.9	16.5	15.8	14.9	15.9	14.7	14.9	14.3	13.7
Madison	17.4	19.2	18.2	18.1	16.8	16.7	17.1	16.2	16.6	17.1	17.3
Mahaska	18.2	20.0	19.2	18.6	17.2	17.2	17.6	16.3	16.7	17.3	16.9
Marion	16.9	17.7	17.2	17.2	16.1	15.9	15.7	14.9	15.6	15.9	15.7
Marshall	16.7	17.4	16.4	16.0	15.3	15.0	15.6	15.5	15.6	15.4	14.5
Mills	30.7	34.0	32.2	32.2	31.3	30.3	30.6	28.7	24.7	22.4	19.2
Mitchell	16.7	19.1	16.6	16.3	14.9	15.2	16.1	14.7	15.1	15.9	15.0
Monona	25.0	28.8	25.4	26.8	23.9	22.7	23.2	22.1	21.1	21.4	21.6
Monroe	23.9	25.3	24.2	23.9	22.8	23.6	23.4	22.4	24.6	24.4	24.1
Montgomery	23.1	24.9	22.6	21.7	20.6	19.6	19.9	19.7	19.4	19.8	19.2
Muscatine	13.5	13.7	13.7	13.9	13.1	13.2	12.8	12.6	13.0	13.0	12.3
O'Brien	18.6	20.8	18.8	18.0	16.8	16.2	15.5	15.8	15.8	15.4	15.3
Osceola	17.8	23.0	18.8	17.8	16.7	16.7	16.5	16.0	16.9	17.4	16.4
Page	20.8	22.3	21.0	20.8	19.7	19.3	20.0	18.9	18.5	19.5	19.8
Palo Alto	21.0	26.1	21.7	23.5	19.9	19.5	19.0	17.4	17.4	17.2	18.6
Plymouth	15.3	16.2	14.7	14.5	13.7	13.7	14.6	13.4	14.2	14.1	13.7
Pocahontas	19.7	24.7	19.6	20.4	18.7	17.0	17.6	17.5	15.8	15.3	17.3
Polk	12.5	12.8	12.6	12.4	11.9	11.9	11.8	12.2	12.6	12.9	12.5
Pottawattamie	19.5	20.0	19.3	18.9	18.3	17.9	17.1	16.8	16.9	17.2	16.4
Poweshiek	16.0	16.9	16.0	15.4	14.5	14.3	14.5	13.7	14.4	15.0	14.3
Ringgold	25.0	29.0	25.6	25.7	23.1	21.4	23.3	21.0	20.7	23.5	23.7
Sac	21.2	24.0	20.7	21.3	19.4	18.8	18.7	17.7	16.8	18.0	17.3
Scott	15.7	16.0	15.4	15.0	14.2	14.2	14.1	13.7	13.9	13.7	13.2
Shelby	19.2	21.1	18.2	17.7	16.5	16.0	16.2	16.0	16.5	15.0	14.9
Sioux	15.3	16.3	15.1	14.8	14.0	13.7	14.0	13.4	13.6	12.8	12.3
Story	11.9	12.3	12.0	12.2	11.7	11.4	11.5	11.5	11.4	11.4	10.8
Tama	19.3	21.2	19.8	19.3	17.2	17.1	16.7	16.0	16.3	16.5	15.5
Taylor	26.5	30.4	26.8	26.7	25.4	24.9	25.5	22.2	21.9	22.2	24.2
Union	23.6	25.2	23.4	23.2	21.7	21.5	21.3	20.5	20.8	21.2	21.2
Van Buren	23.3	25.0	23.4	23.7	22.1	23.1	23.2	21.0	21.9	22.6	22.0
Wapello	23.9	24.9	24.7	23.9	22.5	22.7	23.0	22.7	23.3	22.5	21.6
Warren	12.9	13.4	12.8	12.7	12.2	12.1	12.1	12.0	12.3	12.4	11.9
Washington	16.7	17.9	16.9	16.5	15.3	15.3	15.7	14.4	14.7	14.0	12.8
Wayne	28.9	33.0	30.3	28.9	26.8	26.2	26.0	22.3	22.7	24.4	26.2
Webster	20.3	22.2	20.7	20.4	19.9	19.0	19.3	18.5	18.2	18.4	17.9
Winnebago	16.3	18.9	16.7	17.5	15.3	14.8	13.7	13.8	14.1	14.4	13.2
Winneshek	15.7	16.9	15.5	15.3	13.9	14.4	15.2	14.1	14.8	15.3	14.3
Woodbury	17.2	17.9	17.7	18.4	17.7	17.4	17.1	16.9	17.5	17.2	16.9
Worth	19.2	24.1	21.1	21.0	17.9	18.1	17.6	16.8	17.2	17.2	15.9
Wright	20.1	23.9	20.8	21.3	19.2	17.2	18.2	17.9	17.6	17.6	15.5
State of Iowa	16.5	17.4	16.6	16.4	15.5	15.3	15.3	15.0	15.4	15.4	14.8

nonfarm earnings increased each year from 1984 to 1994; the gain was 73.3 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 \$6.1 billion is more than twice that of Linn's \$2.8 billion; Black Hawk, Dubuque, Johnson, Pottawattamie, Scott, Story, and Woodbury also reported earnings in this category of at least \$1 billion in 1994. Adams, Ringgold, Taylor, and Wayne are the only counties with nonfarm earnings of less than \$50 million in 1994, although another 23 were under \$100 million that year.

Although the state had an inflation-adjusted increase in nonfarm earnings of \$6.6 billion (22.9%) from 1984 to 1994, three counties had lower nonfarm earnings in the later year after inflation is factored into the calculations (Table 4). Wright's decrease of \$19.2 million far surpassed drops of \$4.2 in Cass and \$1.1 million in Adams. In the remaining 96 counties, changes in nonfarm earnings exceeded the rate of inflation. Polk's increase of \$1.7 billion was followed by a \$736 million gain in Linn. Eight others reported at least \$100 million more in adjusted nonfarm earnings in 1994 than in 1984. Inflation-adjusted changes in nonfarm earnings across counties range from a decline of 13.5 percent in Wright to a gain of 43.5 percent in Johnson when 1984 and 1994 are compared.

In 1984, nonfarm earnings accounted for 59.4 percent of total personal income in Iowa. This percentage changed little between that year and 1994, when the figure was 62.0 percent (Table 5). Substantial differences occurred in counties, however. In 1994, 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 40 percent or less of the total in Calhoun, Greene, Pocahontas, and Sac.

Farm Earnings

Iowa's farm earnings totaled \$2.6 billion in 1994 (Table 6). Farm earnings declined in 3 of the 10 year-to-year comparisons. Although farm earnings dropped \$668 million between 1990 and 1991, they rebounded by \$707 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.

The farm crisis clearly is indicated in the earnings reported; at least one county from 1984 through 1986 reported negative farm earnings (farm earnings can be negative because losses can exceed gains in a particular year). From 1987 through 1992, all counties had positive farm earnings each year; that string was broken in 1993. Farm earnings were negative in 12 counties in 1993, but that didn't occur in any county in 1994. Inflation-adjusted farm earnings (Table 7) still show significant year-to-year variations. The adjusted figure was highest in 1987 (\$2.9 billion); it was about \$2.6 billion in 1989, 1990, and 1994.

Farm earnings constituted a relatively small percentage of Iowa's total personal income in the 1984-1994 period (Table 8). The 5.7 percent reported for 1987 was the highest. In 1994, farm earnings accounted for 4.5 percent of total income in the state. Earnings from farms were at least 10.0 percent of total income in thirty-seven counties that year; in three of these (Cherokee, Osceola, Pocahontas), farm earnings accounted for at least \$1 of every \$5 in total personal income in 1994.

Dividends, Interest, and Rent

Income from dividends, interest, and rent increased from 1984 to 1986, declined from 1986 to 1988, gained again from 1988 to 1990, decreased slightly from 1990 to 1991, and then increased to 1994's figure of \$9.7 billion (Table 9). Over the period, income from this source increased by \$2.0 billion. In 1994, dividends, interest, and rent provided income exceeding \$1.2 billion in Polk and more than \$500 million in Linn and Scott. It was at least \$100 million in another 17 counties.

After adjustments are made for inflation, income from dividends, interest, and rent was \$1.2 billion lower in 1994 than 10 years earlier (Table 10). The percentage that income from this source constituted of total personal income declined during this period. In 1984, 22.5 percent of total personal income came from dividends, interest, and rent (Table 11). Percentages decreased steadily from that point to 17.0 percent in 1994.

Again, differences occur across counties. Dividends, interest, and rent accounted for at least 20.0 percent of total personal income in 28 counties, although it never was as high as 25.0 percent. In nine counties, less than 15.0 percent of total income came from dividends, interest, and rent in 1994.

Transfer Payments

The final category of income includes transfer payments, which increased annually from \$5.1 billion in 1984 to \$9.4 billion 10 years later (Table 12). Twenty counties listed at least \$100 million in transfer payments in 1994, 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.

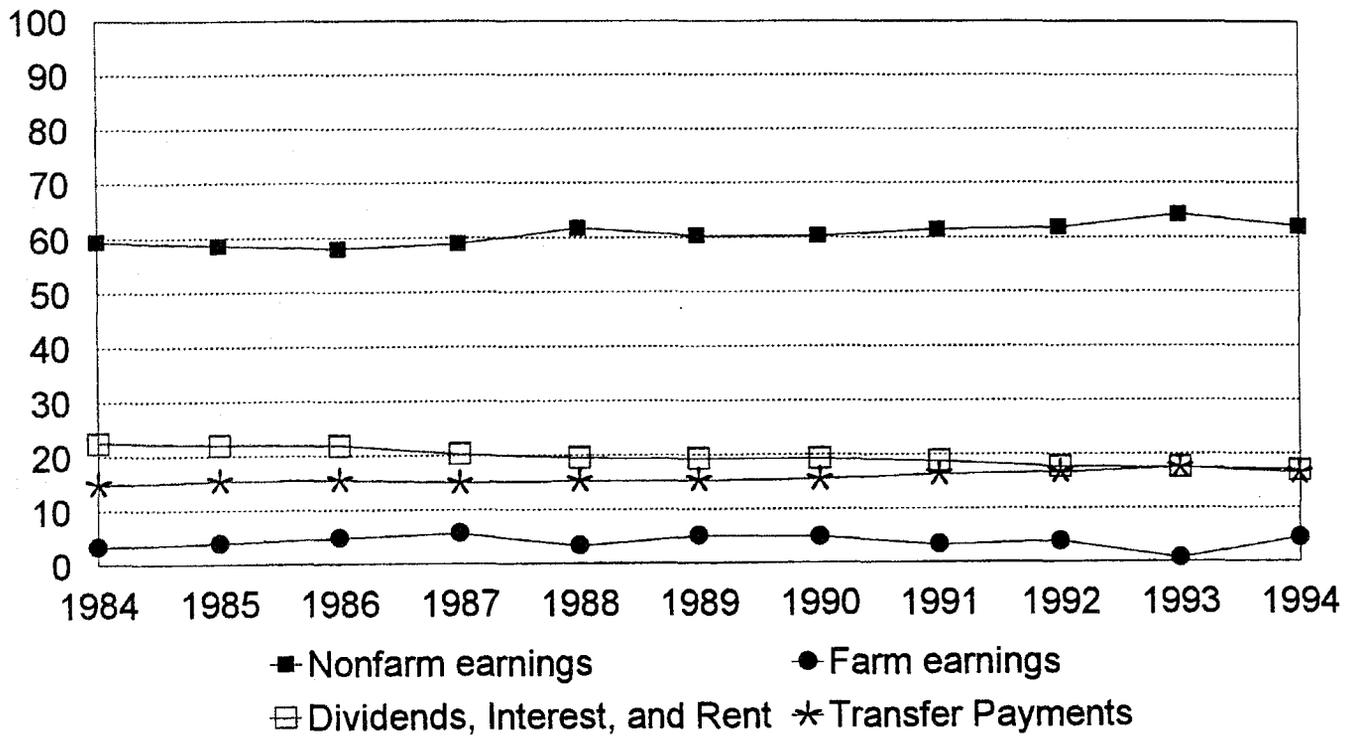
Substantial gains occurred among transfer payments even after controlling for inflation (Table 13). These payments increased 30.7 percent from 1984 to 1994, with annual gains occurring from 1987 to 1994. The percentage of total personal income that comes from transfer payments also has increased (Table 14). The 1984 figure of 14.8 percent, the lowest reported for the 1984-1994 period, increased to 16.5 percent in 1994; this nearly equaled the percentage of 17.0 from dividends, interest, and rent that year.

Only in Johnson (8.6%) did less than 10 percent of total personal income come from transfer payments in 1994. Appanoose, Decatur, Mills, Monona, Ringgold, Taylor, and Wayne were the only counties with at least 25 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 1994, 62.0 percent of total personal income came from nonfarm earnings; 4.5 percent from farm earnings; 17.0 percent from dividends, interest, and rent; and 16.5 percent from transfer payments (Figure 1). The percentages for 1984 were 59.4, 3.3, 22.5, 14.8, respectively. While three of these categories had increases, the percentage of income derived from dividends, interest, and rent declined. This occurred even though the actual income from dividends, interest, and rent increased during the period under study; the share of total personal income from this source declined because gains were even greater in other categories of income.

Figure 1. Percent of income from selected sources, 1984-1994.



Sales Subject to Sales Tax in Iowa's Counties:

1980-1995

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The Iowa Department of Revenue and Finance annually reports 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.

Sales Receipts Subject to Sales Tax

In 1980, more than \$15 billion in sales were reported on which sales taxes were collected (Table 1). By 1995, this figure had increased to nearly \$26 billion. Increases of more than \$1 billion from 1988 to 1989, from 1989 to 1990, and the three most recent comparisons were the largest reported between 1980 and 1995. A minor decrease occurred between 1980 and 1981.

Sales varied greatly among Iowa's counties. In 1995, for example, Polk had sales subject to tax of \$5.6 billion, which was more than a fifth (21.9%) of all dollars subject to sales tax in the state. Four other counties (Black Hawk, Linn, Scott, Woodbury) reported at least a billion dollars in sales. Nearly half (47.2%) of all sales in the state were generated in these five counties in 1995. Sales were less than \$50 million in 23 counties; five of these (Adams, Ringgold, Taylor, Van Buren, Worth) had receipts from sales of less than \$25 million in 1995.

When 1985 and 1995 are compared, 92 counties had sales that were greater at the end of the period than the beginning (Figure 1). The greatest increase was in Polk (+\$2.6 billion); Linn's \$1.1 billion gain was the second highest. Another 11 counties reported at least \$100 million more in sales in 1995 than in 1985. Of the seven counties that declined in sales, five (Audubon, Calhoun, Grundy, Louisa, Mills) dropped by less than \$5 million when 1985 and 1995 are compared. Keokuk (-\$6.6 million) and Pocahontas (-\$7.1 million) had slightly higher decreases.

The state's increase in sales subject to sales tax from 1985 to 1995 was 53.9 percent, a level exceeded by 14 counties. These sales increased by at least 75 percent in six (Dickinson, Iowa, Johnson, Linn, Madison, Polk). Three deserve special mention. Iowa County began the period at \$88 million; it was \$90 million higher by 1995 with much of the increase due to a major shopping center constructed near an interstate highway. Sales in Dickinson gained \$91 million by 1995 from its base of \$94 million in 1985; this is related to its status as a recreational center. And Madison's 1985 figure of \$34 million increased by \$27 million in 1995 due in part to growth in visits by tourists.

When adjusted for inflation, sales subject to sales tax varied in a relatively narrow band in the years from 1985 to 1995, with the highest figure (\$25.8 billion in 1995) more than \$2.6 billion above the lowest one (\$23.2 billion in 1986) (Table 2). Sales in 1995, however, would have to have been \$1.4 billion higher to equal the adjusted sales of 1980. In only 24 counties did adjusted sales increase in the period between 1985 and 1995, which suggests that sales did not keep pace with inflation in three-quarters of the state's counties (Figure 2).

Table 1. Sales (in \$1,000s) Subject to Sales Tax in Iowa Counties, 1980-1995.

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

Table 1. Sales (in \$1,000s) Subject to Sales Tax in Iowa Counties, 1980-1995 (continued).

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

Table 1. Sales (in \$1,000s) Subject to Sales Tax in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	48686	48161	48763	45525	45416	44440	45389	44972	47540	46697	45692	50602	50872	49872	51069	56761
Monroe	42339	39615	38608	34915	36810	35468	33854	32752	32884	32103	31983	32531	30907	31496	30683	31009
Montgomery	96583	95943	93309	87408	87705	86810	85279	79231	73427	68593	71589	72701	67219	67734	67604	67045
Muscatine	322694	314481	302688	283404	272409	261989	249746	233345	220120	220037	230943	225050	216307	212491	197822	186131
O'Brien	92637	92254	89599	86581	86453	86120	88484	90297	85916	75044	77701	81619	83799	80234	77940	83884
Osceola	34175	32206	32215	30862	30326	30639	28905	28885	28410	27739	29411	33807	34031	32469	33167	35583
Page	102513	99411	94002	91498	92622	91696	93088	90483	92594	89286	93216	94414	94741	92808	95825	100857
Palo Alto	50920	48943	43950	42558	42691	41576	41056	40860	43389	41834	43766	48570	51476	49188	49792	51980
Plymouth	137331	135414	131779	127175	119529	112889	109781	107755	105145	97563	99411	99433	97457	92418	91142	96470
Pocahontas	39933	39484	38471	39227	37076	36087	36309	37130	36999	40681	47066	48838	51013	48543	49264	51667
Polk	5646934	5360643	5007727	4720949	4502306	4358547	4111700	3765168	3513382	3254482	3070912	2906398	2608614	2466204	2376725	2370263
Pottawattamie	658474	592235	559849	539073	521820	516367	498007	471803	444704	407113	413236	404873	384239	355209	350131	331083
Poweshiek	121707	127026	171640	172050	165222	151782	149521	128647	124048	117415	116584	111770	109707	102023	91512	91625
Ringgold	20304	21556	21870	22082	21318	20106	20100	19984	20260	19745	19047	19758	21107	22428	21279	23230
Sac	57106	55836	53600	55204	53239	50086	49432	48747	49668	47783	52836	55206	61277	57532	59094	65781
Scott	1807408	1716910	1638392	1616729	1497100	1481015	1294922	1252558	1188962	1164155	1155406	1078089	1019768	1009623	975293	947266
Shelby	72597	72384	70762	67303	67623	64635	65548	64526	65588	64131	64640	67773	71355	66797	66608	69731
Sioux	198590	195676	182904	175896	167023	151036	139978	136838	133378	125073	132152	139892	140755	134004	131772	144055
Story	614286	578424	560705	527998	514331	478348	450646	428724	414177	396356	382423	370258	355057	335070	323558	311719
Tama	85103	82526	78979	78062	74844	73588	72919	71343	79626	76870	75440	80291	82725	82449	81227	86014
Taylor	21038	20798	19994	19263	18782	17669	17514	17964	19563	18824	19580	21649	23229	23800	23175	25781
Union	101190	96527	89581	86036	85367	75755	71149	71173	70111	68371	66582	67832	68050	65517	64792	67752
Van Buren	22738	23887	20842	21538	19147	18889	16667	16448	16265	17301	18128	17141	17923	19060	21068	22356
Wapello	289523	305815	288355	272987	263945	247915	215842	201028	197748	201279	202055	193091	188781	179792	185458	178592
Warren	141207	134492	125687	121462	117155	103684	98670	92747	88740	87098	86648	84468	81136	79895	76172	78876
Washington	117997	120843	116882	114654	112964	104245	101002	105772	103420	99414	103264	101910	107640	101395	99450	103438
Wayne	25236	23511	23318	22154	22066	21005	20549	20307	21015	21308	20856	21075	23491	25248	24556	27062
Webster	445459	418014	398339	386136	374260	377872	317645	298096	306071	295336	304707	301798	297795	288763	290808	298213
Winnebago	71728	66364	63060	61681	61605	60232	59411	56784	57722	55101	57501	59349	56281	54153	54685	56870
Winneshiek	139072	135092	130892	127748	123919	116184	110092	107402	102934	91806	91095	89734	91174	89851	85230	83811
Woodbury	1089725	1033068	963271	909134	868587	847458	810994	763298	725923	695572	697824	684745	660299	632564	611872	594253
Worth	24451	23668	22040	22137	21766	21090	21978	22302	27722	31579	24061	26370	29524	27631	30134	33565
Wright	89836	87611	83669	81799	78197	73896	71520	72469	72790	73763	79513	86141	89211	91243	85481	87188
State of Iowa	25830411	24383700	23209561	22197620	21290549	20411068	19382175	18381662	17706087	16815459	16788670	16460399	15927770	15393059	15055781	15090180

Table 2. Adjusted Sales (1994 dollars in \$1,000s) Subject to Sales Tax in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	47615	48420	47229	47871	46440	47213	49836	53298	57057	59371	59873	65180	72905	73112	74921	83300
Adams	22899	22893	22292	21901	21630	22746	24162	25871	26831	25479	26807	29069	33639	32688	32291	37104
Allamakee	86950	83253	83647	82824	85080	79708	83788	90161	91662	90856	92663	96894	100946	103716	101311	111592
Appanoose	81773	85490	89163	86206	80059	77561	83478	85409	94608	88606	87439	91834	96240	97300	107906	118169
Audubon	31544	33945	35175	36748	36405	33353	34791	38115	38591	42255	46850	50614	55618	52409	55600	69366
Benton	102923	102546	100540	100066	100926	98826	101652	105094	107078	105470	116284	122543	131905	134026	143369	162050
Black Hawk	1259540	1233530	1222395	1192368	1186072	1166819	1148910	1093881	1088085	1091192	1152034	1177566	1185487	1248314	1293558	1395570
Boone	148923	149649	148404	147985	148133	147384	143380	143810	141611	146701	151317	157249	154548	146999	160604	182889
Bremer	131954	137849	133286	134664	134707	131653	133809	137853	138368	135441	145889	155466	162063	170152	177466	190925
Buchanan	109990	110518	109014	106925	104366	107233	105661	107613	106191	105658	114494	117939	130411	124991	127120	146850
Buena Vista	152603	154360	154308	154926	159291	154948	160796	168187	180672	167709	183095	196368	195299	190130	200211	230013
Butler	59340	59165	60205	59289	59745	60322	65149	69270	72061	76396	78642	86321	95126	96007	96502	110270
Calhoun	44288	48059	47524	45568	47952	54137	75817	92320	75437	65491	68714	76915	84595	85909	93051	107965
Carroll	198360	202350	192774	186103	184790	185975	190027	193799	194550	184165	193809	211734	218715	209398	216117	249517
Cass	103713	104693	104848	107989	108271	109077	112993	117116	121414	124771	139148	144267	150931	146852	159166	174154
Cedar	74095	74777	75476	72484	72359	72554	76093	79081	88743	84764	89698	94907	113701	110894	116797	131794
Cerro Gordo	534815	515286	500785	496455	502582	499543	501251	491414	498924	482881	485886	485829	487196	469334	479448	517485
Cherokee	91890	91445	88995	89701	90530	88302	95728	96755	100298	104730	109430	117721	127239	119614	126710	144169
Chickasaw	69606	68353	66902	66189	64446	64255	69211	73720	83055	76421	82781	89346	96975	101228	103751	122622
Clarke	46218	49199	52542	54527	53929	53316	54465	55529	55308	55677	54010	57447	58247	64187	69614	73092
Clay	172511	169096	160932	159317	163019	164663	169205	166192	170989	164814	182312	197536	204166	211439	224779	246921
Clayton	83671	83382	82566	84711	82172	81326	85516	93924	96320	93793	101761	113987	122134	123973	132122	157488
Clinton	368345	370007	370671	368945	371679	370389	386079	379729	375990	386168	386418	402776	411660	425448	442257	470825
Crawford	103324	102504	102903	103061	98935	98433	101562	106652	111476	109802	114715	119798	124507	120445	129280	146201
Dallas	145980	143780	140722	140370	142237	138655	140855	140877	148394	154448	173578	181382	180910	184084	192702	211199
Davis	34921	35894	36365	36767	37042	35733	38059	38991	40654	41927	40181	41219	44719	47725	48817	52978
Decatur	26467	34089	27665	28467	28955	28025	30132	31066	32009	33910	34835	36469	38326	40756	42548	44608
Delaware	97376	97697	95371	96893	95091	86359	88583	102580	97334	96801	102292	106621	114589	113781	118896	135554
Des Moines	429853	433252	415839	417435	403625	395436	409561	406519	398123	391924	387128	386792	401369	401951	417119	456836
Dickinson	185595	174591	177661	166387	165176	158354	147283	141146	134878	127649	131891	134744	129277	126089	130064	147492
Dubuque	895062	841696	831015	807647	785196	775278	776267	784814	766671	760171	753992	766083	760944	771378	815830	896092
Emmet	83397	85098	84016	82864	83358	85869	87724	86986	92220	84864	86689	97726	96969	104906	113485	121514
Fayette	131721	131949	132295	132591	133945	132422	136659	142476	154554	155415	158292	170533	180187	187632	195469	221568

Table 2. Adjusted Sales (1994 dollars in \$1,000s) Subject to Sales Tax in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	94625	99386	103948	103688	101339	103936	108499	107761	109969	109912	120875	128536	132205	137548	137611	154845
Franklin	57930	58012	57772	61040	59239	58354	66077	71834	82848	73014	80115	83526	101138	102308	110371	124072
Fremont	41014	46106	44651	39338	34475	35453	38568	40906	44807	44585	50203	49987	51295	50933	49792	51218
Greene	63183	65643	64830	61457	58372	60450	62686	64918	68918	69415	75569	82894	86744	84282	92599	107323
Grundy	51599	51471	51434	50754	49764	48685	52933	59178	65374	64358	73941	77786	87560	89096	91176	101548
Guthrie	53937	52294	50395	52727	52025	52345	54469	52674	53442	53802	58557	63379	66017	63743	66330	79017
Hamilton	97075	97640	97024	97662	103774	102133	105806	108057	109101	109976	117066	124316	130965	130019	136245	158695
Hancock	58787	58551	58079	57898	59547	61450	68239	71121	74980	74821	80014	88035	93732	92324	99675	118800
Hardin	147087	138532	134344	135822	135279	133014	138840	149040	152086	159014	168161	182628	189840	191421	203233	232918
Harrison	59290	58270	63815	61805	59878	59601	61356	65205	74875	73422	75839	83409	85843	83297	94204	105312
Henry	122683	123418	143863	143110	141145	135808	142867	143842	146822	135643	135560	134941	141145	135912	144049	161522
Howard	55211	54851	54911	54175	52957	51017	53471	58910	65834	62308	62846	69930	76215	77840	78282	89252
Humboldt	64101	65173	66201	65087	66407	70715	73020	75718	75551	75362	81541	88014	92247	96656	99631	112692
Ida	47014	49004	47259	49147	48702	52879	55298	59482	60749	59800	63063	68357	70571	63526	65172	76618
Iowa	178728	179008	169371	164607	125240	118235	119022	118839	122501	119202	123909	128932	129271	131042	140064	150733
Jackson	103088	106030	105630	104718	105026	99664	103668	107016	112667	114636	116401	123012	127241	128089	134625	148912
Jasper	210481	210858	231717	246888	250529	245689	231836	241197	243020	248434	258587	262310	256284	254138	265405	302035
Jefferson	121207	114751	112230	106813	106028	109744	122423	121603	119360	117126	115375	112510	111617	111594	117561	128598
Johnson	947020	913411	870435	839535	823694	818331	801890	764796	770065	728441	725745	722068	689008	642752	635174	662376
Jones	126388	126961	122997	121745	125395	122955	132917	131131	133359	126191	129494	129569	134430	136048	138365	165506
Keokuk	34101	37928	40418	40523	40321	41134	43550	48583	53078	54202	57025	59144	68813	70907	73753	88438
Kossuth	118822	115908	115480	114857	116713	120451	120388	128000	144118	147253	158730	175733	185771	197484	198752	231851
Lee	311386	308852	299487	297301	294185	292142	300045	307037	322044	317224	322978	322919	335982	338241	353050	377639
Linn	2390230	2280653	2142393	2068079	2046588	2016213	1993253	1941700	1917554	1877948	1869491	1808237	1754387	1749941	1812383	2004214
Louisa	30379	31198	33200	33046	33026	34590	37602	38269	41294	46288	46338	47813	54890	54975	59096	62396
Lucas	42027	39260	66382	67716	69512	64160	72430	71997	67805	53163	55970	58006	59448	64330	66225	71433
Lyon	48822	50746	50037	50153	49842	47183	49660	52378	55865	51123	54911	60420	66704	63506	70407	86961
Madison	61355	58510	59264	56423	55693	54280	52440	53034	52069	47217	48124	52356	57692	57945	62842	70772
Mahaska	159174	169051	168991	168175	161908	154787	159202	167177	170461	170400	172979	171716	178523	172855	183010	212501
Marion	192734	189863	182010	179290	180259	181133	187513	189867	188185	186545	183605	183471	183478	184380	188326	214376
Marshall	352792	360402	330442	326782	331809	325822	327908	322166	312784	324047	336217	337355	341787	337856	354913	380800
Mills	39250	40795	44541	46363	47079	47530	48367	50205	54988	54074	55768	58307	61121	59646	45321	67575
Mitchell	58786	57888	57321	57203	57684	55689	57239	63218	65674	61690	66318	72439	77712	77629	80403	95343

Table 2. Adjusted Sales (1994 dollars in \$1,000s) Subject to Sales Tax in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	48686	49527	51414	49353	50663	51573	55443	57583	63306	64414	63997	73386	76308	77089	83665	102515
Monroe	42339	40739	40707	37851	41063	41161	41354	41937	43790	44284	44797	47179	46360	48684	50267	56005
Montgomery	96583	98663	98382	94757	97838	100743	104170	101449	97779	94618	100270	105435	100829	104699	110753	121088
Muscatine	322694	323398	319142	307233	303880	304041	305071	298781	293121	303520	323466	326381	324461	328455	324085	336165
O'Brien	92637	94870	94469	93861	96440	99943	108085	115619	114409	103517	108830	118369	125699	124020	127687	151501
Osceola	34175	33119	33967	33457	33830	35556	35308	36985	37832	38263	41194	49029	51047	50188	54337	64266
Page	102513	102229	99112	99191	103322	106414	113709	115857	123302	123162	130561	136925	142111	143457	156987	182156
Palo Alto	50920	50331	46339	46136	47624	48250	50151	52318	57779	57706	61300	70440	77214	76032	81572	93880
Plymouth	137331	139253	138942	137868	133338	131009	134100	137972	140016	134580	139238	144204	146186	142853	149316	174232
Pocahontas	39933	40604	40773	42601	41360	41880	44352	47542	49269	56115	65922	70827	76520	75034	80708	93315
Polk	5646934	5512639	5279951	5117899	5022452	5058137	5022534	4821015	4678566	4489253	4301206	4215032	3912921	3812105	3893709	4280867
Pottawattamie	658474	609027	590283	584400	582105	599249	608327	604108	592187	561574	578790	587171	576358	549061	573607	597960
Poweshiek	121707	130628	180970	186516	184310	176145	182643	164723	165188	161964	163291	162096	164560	157701	149921	165482
Ringgold	20304	22168	23059	23939	23781	23333	24553	25588	26979	27237	26677	28654	31660	34667	34860	41954
Sac	57106	57419	56514	59846	59389	58125	60382	62417	66140	65912	74004	80064	91916	88929	96812	118806
Scott	1807408	1765592	1727457	1752668	1670058	1718732	1581776	1603807	1583271	1605843	1618294	1563510	1529652	1560612	1597791	1710831
Shelby	72597	74437	74608	72962	75436	75009	80068	82621	87340	88462	90537	98288	107032	103251	109121	125939
Sioux	198590	201224	192847	190686	186319	175279	170986	175210	177612	172526	185096	202879	211132	207135	215878	260174
Story	614286	594824	591185	572393	573751	555127	550475	548949	551536	546736	535632	536970	532585	517931	530074	562988
Tama	85103	84865	83272	84626	83491	85399	89072	91349	106034	106035	105663	116443	124087	127445	133071	155348
Taylor	21038	21388	21081	20882	20952	20505	21394	23001	26051	25966	27425	31397	34844	36788	37966	46563
Union	101190	99264	94450	93271	95229	87915	86910	91132	93363	94311	93257	98374	102075	101272	106146	122365
Van Buren	22738	24564	21975	23349	21359	21921	20359	21061	21660	23864	25391	24858	26884	29462	34515	40376
Wapello	289523	314486	304030	295941	294438	287708	263656	257401	263329	277645	283004	280032	283172	277911	303829	322551
Warren	141207	138305	132519	131675	130689	120326	120527	118756	118170	120144	121362	122500	121705	123497	124791	142456
Washington	117997	124269	123236	124294	126014	120977	123377	135434	137718	137132	144634	147795	161460	156729	162926	186817
Wayne	25236	24178	24586	24017	24616	24376	25102	26002	27985	29393	29212	30564	35237	39027	40230	48876
Webster	445459	429866	419993	418603	417497	438524	388010	381690	407577	407389	426782	437685	446693	446352	476420	538594
Winnebago	71728	68246	66488	66868	68722	69900	72572	72707	76865	76006	80537	86071	84421	83706	89588	102712
Winneshiek	139072	138923	138008	138490	138235	134833	134480	137520	137071	126638	127591	130138	136761	138886	139629	151368
Woodbury	1089725	1062359	1015635	985576	968933	983483	990648	977345	966670	959477	977392	993059	990449	977778	1002410	1073264
Worth	24451	24339	23239	23998	24280	24475	26847	28556	36916	43560	33700	38243	44286	42710	49368	60620
Wright	89836	90095	88218	88677	87231	85757	87363	92792	96930	101749	111368	124927	133817	141038	140040	157467
State of Iowa	25830411	25075077	24471248	24064054	23750222	23687246	23675762	23536336	23578165	23195350	23514680	23871860	23891655	23793637	24665383	27253965

Table 3. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-21614	-18475	-17544	-16773	-15559	-11084	-7479	3750	-2353	-1170	1417	1522	7653	1396	1799	-6033
Adams	-14365	-13577	-12504	-12462	-10839	-9054	-7488	-5421	-5778	-7128	-5608	-5518	2187	3751	-5402	-6624
Allamakee	-14703	-17701	-15764	-13696	5759	1108	4112	8606	6815	4450	5818	9599	9717	853	-5607	-6563
Appanoose	-22594	-18783	-11274	-10070	-7753	-8983	5296	-4051	3851	-3077	4799	4542	2108	-8341	-1456	-5482
Audubon	-32102	-27938	-24789	-22088	-8609	-8557	-68104	-5504	-5908	-4161	52	1314	3581	-9774	-10118	-6008
Benton	-110073	-91853	-85136	-78006	-60502	-60757	-540192	-48428	-50544	-51588	-44185	-42236	-36026	-39447	-39578	-37989
Black Hawk	203757	177347	174648	144848	-81737	-64113	-85967	-82233	-82257	-65895	-64899	-75123	-87489	17376	16550	24749
Boone	-74254	-72241	-63629	-58197	-61128	6850	-60053	-57909	-58710	-50962	-50412	-50451	20499	-43398	-36655	-35994
Bremer	-71619	-56312	-56397	-50666	-72211	-68213	-66508	-60481	-50272	-51293	-42758	-37979	-31553	-22074	-21144	41797
Buchanan	-69722	-61953	-56415	-54760	-43036	-37002	-37379	-35195	-40816	-37271	-32857	-34193	-24157	-32756	-35262	-28579
Buena Vista	-1694	2424	3071	3405	12889	7938	14230	14833	21383	13358	25707	30078	28995	3478	6043	10780
Butler	-69576	-66182	-60847	-58915	-46971	-39367	-34114	-31400	-29634	-26984	-26744	-22546	-17631	-32165	-34100	-37157
Calhoun	-49786	-43324	-40141	-39494	-35191	-28816	-9486	4705	-5335	-14680	-13338	-11104	-6329	-14218	-11725	-11138
Carroll	19307	22605	14966	12285	30409	30121	30716	28447	25962	15182	20525	30416	36964	15755	16613	24387
Cass	-18753	-13259	-12195	-6337	-9577	-11962	-10393	-6224	661	-309	10166	13716	17142	-3255	-2299	-2521
Cedar	-70549	-71730	-69166	-70172	-43918	-50813	-44790	-43357	-36725	-38687	31289	-33992	-23575	-36166	-37715	-30419
Cerro Gordo	113349	87935	77167	81195	82747	74999	74947	59362	56020	48462	44448	36753	35754	45873	27471	28157
Cherokee	-18706	-16743	-17842	-16790	-13743	48861	-11291	-13447	-6829	-2669	-891	1321	5397	-7661	-6671	-324
Chickasaw	-40463	-36709	-35107	-32917	-21525	-23216	-17901	-17862	-7681	-12060	-8935	-5558	1237	-10421	-8181	-3574
Clarke	-12137	-10881	-7748	-6603	1951	-3042	-2280	893	2218	3744	1480	2670	2813	3491	-2993	-6402
Clay	2118	2363	2948	4198	20547	21734	21733	18046	14350	5244	15096	24333	32815	7497	7493	12810
Clayton	-62346	-59862	-57307	-51766	-43526	-46089	-41700	-31827	-24387	-26492	-20141	-12217	-9388	-15075	-14073	-4686
Clinton	-63374	-57703	-48386	-44760	-64541	6787	-46710	-56954	-54985	-45930	-42166	-40067	-45856	-35238	-31439	-43270
Crawford	-23294	-23676	-20662	51059	-6427	-11841	-11472	-6725	-6515	-8207	-5657	-2333	3130	-6887	-4262	-4514
Dallas	-143358	-128834	-121071	-111840	-81772	-100645	-87457	-73790	-71546	-60905	-48930	-51147	-54435	-53455	-47875	-51325
Davis	-32877	-26934	-23686	-23359	-15598	-17042	-15332	-13297	-9016	-8031	-9943	-8667	-5241	60442	-7483	-10797
Decatur	-26181	-16947	-21477	-21361	44626	-22160	-20309	-19391	-16381	-13254	-13338	-12497	-9913	4944	-4840	-8080
Delaware	-52295	-48900	-46141	-42906	-30288	-37014	-33764	-21346	-23793	-21280	-16392	-14108	-7083	-20724	-22628	-23793
Des Moines	49442	53396	39586	44609	708	-8409	5649	6792	-5397	785	-8466	-5471	8488	25531	20075	19770
Dickinson	26788	18433	22563	15222	21844	24385	15453	5800	1013	-10163	-9272	-5831	59845	-3918	-774	2541
Dubuque	127552	89093	89941	69377	73418	66757	53464	60476	55428	53517	27490	41968	19912	-8903	4270	16616
Emmet	-9665	-8922	-6373	-4307	5096	5868	5333	3903	3671	-5218	3359	4409	-863	8078	10035	6807
Fayette	-28566	-26379	-22976	-19910	-19513	-24585	-19754	-18502	-6806	-6278	-5453	428	4001	9119	9809	10598

Table 3. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-50865	-40068	-30895	-29610	-20939	-22427	-16101	-16600	-12763	-13564	-7748	-225	1516	-16922	-23155	-25889
Franklin	-34876	-32003	-29643	-26037	-25767	-28463	-11577	-21872	-11087	-19168	-15500	-14487	-4893	-3316	-2011	-9479
Fremont	-24762	-16988	-15017	-18201	-23320	-31100	-27269	-22484	-18639	-17474	-14196	-11321	-7500	-17104	-17644	-15711
Greene	-19101	-12400	-12130	-15527	-22292	-22446	-21052	-19785	-13666	-15494	-12416	-6396	-3188	-18447	-17036	-18756
Grundy	-57138	-51674	-51171	-52102	-53412	-57859	-51078	-45289	-45259	-42050	-35660	-34461	43017	-23791	-24653	-26135
Guthrie	-45946	-42191	-39461	-33335	-22311	-20180	-17895	-17981	-15689	-14091	-11570	-9299	-6928	-15803	-15436	-20140
Hamilton	-50000	-43847	-37034	-34411	-27725	-25865	-21466	-18137	-20349	-14881	-13152	-7399	65598	5366	-2057	1212
Hancock	-41914	-43590	-41275	-40311	-36780	-39791	-30519	-30031	-21916	-21260	-17779	-13466	59449	-12063	55321	-9802
Hardin	-15311	-17814	-21879	-18157	-18055	-15990	-14849	-9363	-361	4298	12866	16880	20703	7270	9578	15733
Harrison	-53013	-48647	-38712	-38299	-28474	-33190	-29347	-23933	-16854	-17846	-17025	-14173	-9693	-24535	-21276	-21605
Henry	-36956	-33530	-13557	-14755	-22695	-16915	-12313	-5063	-1805	-6038	-8213	-8826	2182	-10843	54815	-9988
Howard	-21773	-18216	-16243	-13972	-12856	-15550	-12696	-7141	-5726	-6694	-6121	-1813	1702	-7904	-8294	-10309
Humboldt	-37470	-32682	-27315	-26761	-15371	-15438	-14365	-14325	-10761	-11467	-6801	-5647	3465	-7535	-8440	-3026
Ida	-22058	-19116	-19028	-15413	-7465	-5682	-3802	-2546	-606	682	3343	5065	7688	-20812	-19582	-18993
Iowa	44181	46331	37342	33423	1892	-2324	2843	2920	2782	267	2507	4020	7882	14958	19651	21313
Jackson	-62278	-54286	-50240	-48767	-33032	-38419	-35600	-35146	-32163	-25845	-26461	-22805	-21586	-23327	-19390	-23394
Jasper	-110158	-106282	-81117	-60924	-42243	-40267	-54277	-32904	-38613	-28438	-25230	-31813	-25945	-33705	-34073	-33515
Jefferson	-21910	-23704	-23015	-25319	-32806	-29367	-19737	-16133	-11445	-10268	-7306	-6062	4282	-9164	56784	-12948
Johnson	-102618	-124171	-126685	-134026	-91771	-1636	-7889	-30381	-34938	-48215	-58084	-81523	-85602	1924	-8208	-8555
Jones	-35185	-39825	-37186	-28588	-7630	-11583	-3431	-6436	-8310	-13439	-11691	-6970	-1702	57756	-9098	743
Keokuk	-50386	-46807	-44595	-43279	-39668	-35683	-34263	-27537	-26632	-21301	-20424	-20700	-13426	-17960	-18861	-18220
Kossuth	-20816	-18585	-16979	-22904	-14467	-12455	-12660	-7392	2089	2587	10185	19315	20937	1754	-976	-3369
Lee	-1601	2022	-3733	-2645	-23065	-48558	-40214	-35792	-27233	-27804	-27080	-20691	58992	8271	12374	3838
Linn	484205	423697	322884	282623	265912	261726	250935	206205	213789	199779	173844	90343	71345	146015	150177	185683
Louisa	-73966	-69548	-64147	-63438	-59288	-53537	-50226	-44120	-43847	-36937	-38156	-40587	-30680	40741	-21867	-21072
Lucas	-27009	-29333	801	-1206	7724	2462	3314	3579	-3691	-12202	-11345	-12051	-10207	-19045	-17638	-24309
Lyon	-38475	-33896	-31852	-29817	-14942	-15949	-13636	-11647	-9656	-14646	-11890	-10004	-7390	-21105	-17568	-10806
Madison	-54706	-54019	17799	-47883	-27333	-22093	-21548	-20519	-22614	-23755	-25332	-24285	-17869	46347	-20365	-27181
Mahaska	-16755	-4004	-4114	-4401	10995	780	3085	6187	4735	3760	4174	3292	7790	3703	8777	12999
Marion	-80971	-78167	-77422	-72360	-68473	-55378	-49191	-35549	-40162	34737	-38472	-34821	-32818	-41314	-36213	-43563
Marshall	-23002	-6225	-29878	-27236	-30171	-35698	-38348	-46811	-48815	-32161	-30443	-40450	-32289	-4082	-3035	-7497
Mills	-70214	-63069	-56183	-54174	-43084	-39042	-37657	-37281	-36166	-35184	-35634	-28652	41623	-39132	-45426	-40927
Mitchell	-37796	-34022	-32097	-29684	-20918	-22620	-20066	-15512	-10966	-14060	-10720	-9358	2168	-6909	-8891	-2857

Table 3. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-34264	-29215	-24010	-23371	-12021	-13228	57993	-6024	5013	-2552	3449	1472	2318	-16622	-13391	-12985
Monroe	-20133	-20550	-18731	-19553	-28429	-26971	-26282	-23566	-19165	-15577	-13506	-11719	-14624	58330	-9222	-10750
Montgomery	-4844	1702	3378	-192	6512	4028	5955	-1157	-7539	-11687	3641	-1304	-1545	-12223	-11794	-13180
Muscatine	-65562	-56018	-44429	-46057	-77824	-78929	-75323	-69757	-61544	-48912	-38540	-38788	-39023	-8846	-16902	-32454
O'Brien	-33568	-29508	-26981	-24452	-12481	-6545	-891	4973	3969	4427	2624	2042	5190	-3602	-2938	-2396
Osceola	-30994	-29954	-26387	-25727	-14819	-13666	-14301	-12029	-11324	-9148	-7667	-4295	3459	-5864	-3495	2485
Page	-41124	-35794	-36764	-34966	-28775	-30723	-23581	-24087	-15016	-13944	-8249	-5522	-2628	63491	1616	-9034
Palo Alto	-35161	-30944	-32887	-33543	-25819	-24183	-22554	-21366	-19432	-19316	-16389	-12162	-8330	-20322	-15433	-14301
Plymouth	-82343	-67303	-56035	-51740	-27938	-37178	-20387	-22615	-20654	-20984	-19905	-22663	-19901	-30819	-24585	-17429
Pocahontas	-40867	-37940	-34276	-32029	-32499	-31969	-27927	-25601	-25258	-17716	-10240	-5729	66270	-8650	-7128	-9370
Polk	1718109	1625185	1481952	1409725	1453872	1464127	1380912	1218503	1111474	995390	837696	747077	537848	606532	561011	588979
Pottawattamie	-55800	-94310	-93904	-96358	-159819	-154492	-134162	-118540	-99146	-112134	-104555	-95445	-99718	-89353	-82029	-94800
Poweshiek	-53178	-43127	10271	16917	22658	21310	24221	11553	10100	10575	8785	7401	12234	45329	-26722	-33324
Ringgold	-18190	-15308	-13729	-12462	-5468	-5806	-3982	-3706	5262	3993	4369	3944	1353	-6419	-7685	-8681
Sac	-55256	-49063	-46616	-40367	-17689	-17170	-16324	-14321	-15303	-16590	-9383	59646	-1298	-15580	-13472	-14412
Scott	376031	352719	337919	367850	181431	150818	30541	63729	21482	52219	46987	37566	-27155	50789	44965	56048
Shelby	-37037	-33758	-30559	-27599	-17537	45182	-18467	-15971	-8634	-8875	-8839	-6723	2909	62861	-4073	-1105
Sioux	-39741	-28550	-27906	-22180	-1602	-18601	-20508	-21751	-12911	-14823	-4527	4430	7609	-5056	-6038	5955
Story	-85133	-86119	-65064	-57414	-91883	-73164	-74749	-84237	-74691	-68760	-74959	-90820	-80792	-66356	-56662	-60544
Tama	-56541	-50672	-52656	-52518	-42948	-31445	-27610	-29579	-20411	-19454	48400	-11583	59232	44159	-21000	-27103
Taylor	-27733	-24583	-24085	-24412	-21500	-22318	-21620	-18303	-14299	-14651	-13432	-11835	-9315	-12686	-12997	-10994
Union	4396	2131	-1382	1537	-9346	-13258	-14665	-11848	-8456	-5106	-7513	-5416	-1905	862	2034	2204
Van Buren	-31470	-27585	-28211	-25277	-21998	-21859	-22017	-21517	-19188	-15803	-14416	-15206	-13032	-17399	-15528	-17990
Wapello	7667	40583	29765	15777	5969	2951	-24864	-23037	-28361	-17611	-18285	-14459	-24351	-16990	-14297	-23006
Warren	-221357	-205455	-193216	-175143	-154421	-171991	-162456	-150409	-149199	-133332	-132075	-131220	-136208	-89253	-86916	-81862
Washington	-46463	-36574	-32154	-27137	-20417	-24364	-21638	-9950	-14188	-12429	-7790	-2129	4746	4782	-6829	-1610
Wayne	-23991	-23429	-22321	-22317	-15595	-13096	-12365	-10729	-11358	-9048	-9803	-9944	-6605	-9427	-9189	-16047
Webster	91036	74528	71650	76548	97082	109124	60540	52547	57423	55332	62331	64162	57350	44190	50652	65573
Winnebago	-21030	-21510	-23115	-22825	-38771	-36024	-32025	-35247	-30233	-26886	-23483	-15742	-12720	-4522	-3891	-12359
Winneshiek	-22824	-21934	-18366	-16067	-8980	-14169	-12755	-9866	-13221	-19667	-21213	-18303	-7231	-16559	-17973	-25667
Woodbury	176956	152784	125898	120023	156060	165731	172913	164443	131638	129243	130094	109830	95724	99265	91763	40383
Worth	-40660	-36197	-36118	-34217	-38338	-38680	-32118	-29521	-24655	-17071	-23718	-19296	54537	-19632	-15266	-14486
Wright	-29257	-23173	-21266	-22861	-49573	-55216	-51822	-45742	-44439	-38771	-28403	-10265	2783	-14189	-20085	-21790

Figure 1. Change in sales (unadjusted for inflation) subject to sales tax, 1985 to 1995.

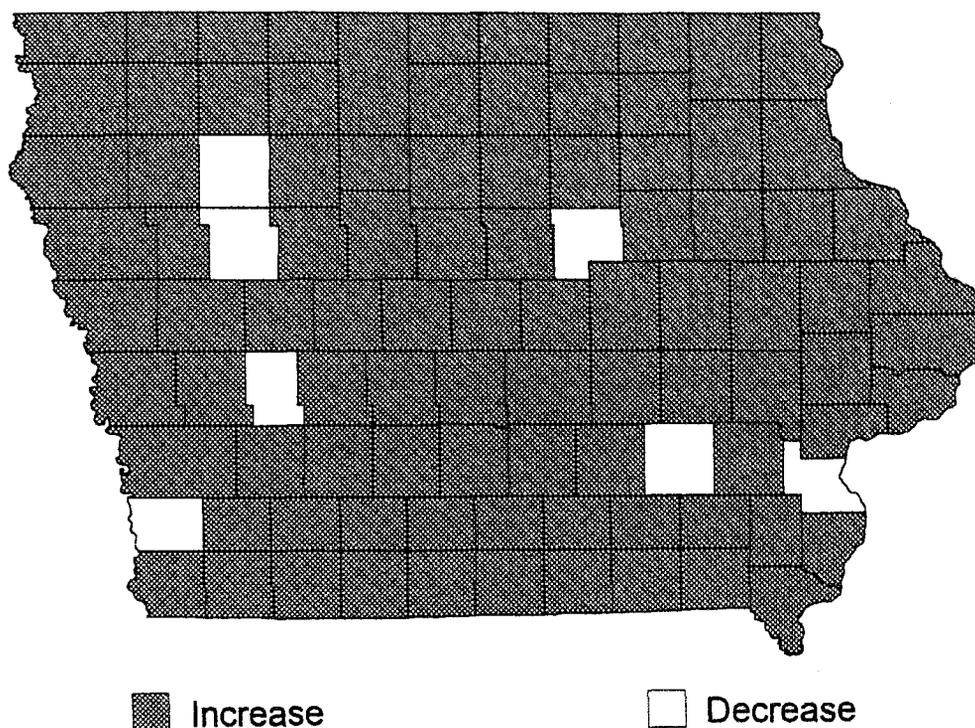
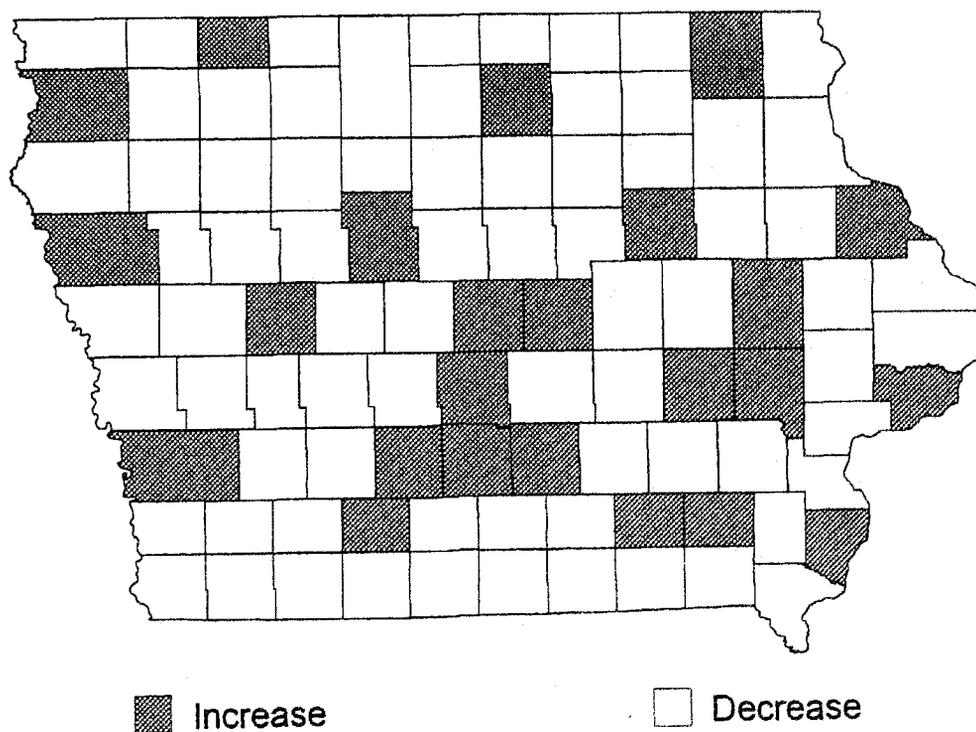


Figure 2. Change in sales (adjusted for inflation) subject to sales tax, 1985 to 1995.



County Business Patterns in Iowa:

1970-1994

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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 77,764 of these establishments in 1994, 807 more than in 1993 and 4,556 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 (10,873) was more than double that of Linn (5,028) or Scott (4,298). Ringgold (121) and Adams (128) had the fewest businesses in 1994; nine other counties counted fewer than 200. In the span from 1985 to 1994, only Pocahontas (-77) declined by more than 40 businesses, although 49 others had fewer establishments in 1994 than in 1985. Polk had 1,530 more firms in 1994 than in 1985. Three others (Johnson, Linn, Scott) increased by at least 300 and eight more gained from 100 to 299 firms. Forty-nine counties registered increases over the nine years.

Number of Employees

Employees in these establishments increased each year in Iowa from 1985 to 1994, when nearly 1,090,000 were counted (Table 2). The gain in employees between 1993 and 1994 was nearly 17,800 (+1.7%). The period of 1985 to 1994 (Figure 2) saw Iowa's employees increase by 242,300, a 28.6% gain.

Table 1. Number of Business Establishments In Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Adair	206	214	213	221	216	225	226	225	226	244	230	230	210
Adams	128	120	120	110	125	117	122	118	123	125	117	112	106
Allamakee	396	406	400	411	396	401	396	391	394	392	393	385	343
Appanoose	333	337	332	327	328	326	318	305	309	317	320	344	297
Audubon	217	210	211	203	199	204	197	195	205	221	227	239	229
Benton	558	549	536	537	544	531	530	539	532	559	501	491	421
Black Hawk	3159	3163	3096	3006	3011	2976	2950	2956	2999	3094	2903	2665	2305
Boone	553	545	516	511	506	504	521	531	543	554	502	520	472
Bremer	614	616	615	611	584	564	567	564	580	586	537	495	451
Buchanan	494	482	493	478	465	460	446	434	430	475	439	414	335
Buena Vista	619	625	623	610	604	609	624	623	619	632	601	563	487
Butler	366	364	375	374	368	362	372	362	366	403	396	364	333
Calhoun	329	339	330	323	316	329	331	339	327	346	341	372	319
Carroll	816	799	774	740	747	734	718	727	731	743	679	662	587
Cass	511	510	496	512	487	482	488	489	501	539	518	540	464
Cedar	452	465	439	437	444	435	438	437	455	454	410	426	376
Cerro Gordo	1463	1444	1448	1421	1398	1415	1405	1434	1460	1469	1394	1316	1197
Cherokee	360	377	377	386	381	374	380	389	399	400	382	370	358
Chickasaw	392	393	391	378	368	369	374	357	359	377	364	362	298
Clarke	201	214	208	213	196	208	210	208	199	211	188	184	165
Clay	629	619	607	589	593	605	595	605	595	623	610	535	480
Clayton	544	535	520	517	531	508	509	504	493	523	452	460	446
Clinton	1282	1256	1271	1249	1215	1215	1190	1193	1211	1244	1125	1139	1060
Crawford	474	486	493	482	481	476	477	456	477	493	467	430	386
Dallas	724	718	681	650	612	597	592	591	617	616	580	584	496
Davis	168	179	175	172	174	166	179	175	174	184	168	164	158
Decatur	170	178	175	166	169	173	175	163	164	178	185	189	173
Delaware	426	414	420	424	413	410	398	400	411	417	417	366	326
Des Moines	1234	1244	1220	1213	1186	1167	1181	1189	1193	1208	1090	983	1018
Dickinson	657	647	641	611	608	598	561	551	551	550	407	408	323
Dubuque	2510	2496	2440	2441	2357	2273	2255	2217	2239	2279	2035	1851	1561
Emmet	312	316	299	278	283	281	280	288	295	318	319	330	291
Fayette	631	641	639	640	622	634	626	608	616	659	619	622	534
Floyd	450	456	460	447	446	442	440	441	448	466	445	418	400
Franklin	326	312	318	321	304	313	317	328	330	348	353	373	301
Fremont	191	201	196	192	189	185	177	179	196	199	184	210	183
Greene	293	291	278	286	287	287	290	294	303	322	291	293	269
Grundy	327	329	339	318	314	307	313	323	321	349	306	325	291
Guthrie	279	283	272	262	251	236	234	257	262	272	266	263	247
Hamilton	451	440	438	423	422	428	445	441	449	472	439	450	419
Hancock	344	346	356	351	344	335	319	331	342	356	338	352	258
Hardin	658	635	640	644	652	651	656	630	647	670	641	652	592
Harrison	344	334	349	344	327	335	338	325	324	332	320	327	313
Henry	496	517	496	476	484	482	473	470	436	464	481	454	412
Howard	276	274	266	262	252	246	241	248	263	271	283	284	256
Humboldt	311	323	317	315	311	318	314	311	318	328	330	328	281
Ida	268	259	255	234	232	246	242	240	242	242	236	256	218
Iowa	501	483	458	445	416	407	407	405	422	445	389	374	354
Jackson	551	532	526	497	470	489	485	501	511	511	463	464	418
Jasper	815	806	804	768	758	752	747	754	781	777	718	696	637

Table 1. Number of Business Establishments In Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Jefferson	659	638	614	575	547	525	515	535	525	482	343	335	310
Johnson	2342	2298	2221	2120	2076	2004	1997	1984	1945	1953	1499	1312	1121
Jones	466	446	446	441	429	431	443	441	472	497	440	450	396
Keokuk	267	267	279	285	278	280	277	284	289	297	299	299	275
Kossuth	551	534	541	532	513	531	526	526	542	582	566	539	478
Lee	1048	1054	1039	1036	1014	1003	1022	1032	1052	1068	973	944	843
Linn	5028	4862	4737	4545	4482	4437	4411	4348	4343	4318	3757	3258	2836
Louisa	227	233	225	222	223	225	224	226	216	231	208	207	198
Lucas	188	184	192	187	188	203	192	189	189	202	213	217	226
Lyon	332	329	333	326	309	288	283	288	282	294	269	279	247
Madison	317	309	300	290	290	273	286	276	274	274	243	235	225
Mahaska	571	569	569	558	543	553	551	558	545	572	527	528	519
Marion	738	710	700	694	677	669	653	641	655	677	599	582	478
Marshall	950	932	942	924	912	931	946	951	960	988	930	907	801
Mills	247	241	229	225	230	225	223	218	223	238	256	235	204
Mitchell	340	335	321	336	322	320	326	314	312	308	298	310	286
Monona	283	285	281	277	287	289	285	291	291	296	292	323	265
Monroe	191	195	192	182	182	190	180	179	179	190	179	176	157
Montgomery	347	348	345	337	329	330	322	321	341	368	357	347	366
Muscatine	962	987	999	970	959	952	945	976	993	992	894	871	712
O'Brien	533	543	534	527	514	501	519	510	524	530	520	514	438
Osceola	203	205	209	204	204	197	199	199	196	207	208	199	189
Page	529	533	511	543	515	524	496	504	521	550	505	510	481
Palo Alto	337	339	337	316	309	308	315	308	316	317	290	304	294
Plymouth	630	635	628	604	622	607	617	633	617	595	568	567	481
Pocahontas	288	297	275	290	294	292	299	309	359	365	315	323	301
Polk	10873	10687	10569	10302	10068	9841	9638	9583	9403	9343	7946	7263	5963
Pottawattamie	1875	1838	1843	1789	1782	1758	1758	1776	1753	1708	1513	1470	1247
Poweshiek	575	562	557	526	523	518	528	524	542	506	483	455	419
Ringgold	121	123	131	135	140	132	128	124	127	133	139	139	116
Sac	376	387	384	376	378	362	362	382	382	400	423	421	389
Scott	4298	4237	4198	4106	4025	3954	3943	3903	3793	3854	3332	2989	2480
Shelby	415	419	403	397	401	384	388	381	389	387	362	370	346
Sioux	1035	996	961	926	878	858	801	791	790	809	813	749	613
Story	1819	1748	1735	1717	1669	1596	1602	1548	1575	1588	1456	1311	989
Tama	392	390	393	366	370	371	381	365	394	414	415	426	389
Taylor	181	169	179	172	178	182	181	179	165	183	167	182	182
Union	351	349	342	344	347	355	342	337	342	363	366	338	329
Van Buren	179	182	175	174	167	174	169	165	166	182	167	176	137
Wapello	862	855	850	830	825	819	804	797	802	851	772	776	816
Warren	671	652	640	623	625	591	582	574	570	562	454	460	337
Washington	631	608	613	581	578	567	581	557	563	593	542	532	461
Wayne	186	186	193	192	195	179	168	167	167	172	191	189	183
Webster	1215	1176	1177	1162	1156	1137	1147	1149	1180	1223	1206	1154	1083
Winnebago	333	328	329	324	325	339	327	319	328	337	356	343	321
Winneshiek	584	592	572	566	558	542	545	542	537	559	471	441	402
Woodbury	2786	2811	2751	2721	2681	2655	2646	2655	2666	2706	2557	2545	2257
Worth	184	185	185	177	170	170	180	176	175	190	175	182	147
Wright	430	437	439	431	426	427	436	433	442	465	444	460	411
County Unknown	9	10	11	11	31	46	24	26	23	32	307	402	1526
State of Iowa	77764	76957	75971	74320	73130	72232	71782	71535	71823	73208	66904	64178	57524

Table 2. Number of Employees of Business Establishments in Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Adair	1936	1763	1771	1679	1816	1825	1862	1717	1593	1590	1531	1335	1090
Adams	1037	1000	1016	781	771	1022	1016	1309	1241	1325	1421	1835	738
Allamakee	3792	4083	4083	3632	3503	3632	3371	3393	3281	2980	3093	2465	2417
Appanoose	3330	3260	3185	3118	2998	2895	2908	2702	2599	2518	3048	3032	2831
Audubon	1536	1553	1506	1337	1294	1168	1087	1123	1106	1223	1431	1144	1227
Benton	4043	3672	3531	3495	3493	3351	3323	3059	3109	2984	3570	3073	2454
Black Hawk	51073	50841	49937	48613	47126	45088	42766	40117	39187	41371	55515	48390	42263
Boone	6515	6475	5933	6063	6430	5943	4680	4572	4529	4777	4934	4406	3928
Bremer	7274	7631	7015	7766	7538	7946	6767	5882	6031	5891	5821	5025	4283
Buchanan	4369	4331	4044	3729	3718	3693	3266	3028	2772	2978	3063	2562	1795
Buena Vista	7703	7508	7180	6915	6748	6513	6394	6392	6229	6267	6042	3917	3895
Butler	2310	2352	2200	2019	1995	1942	1903	1936	1704	1887	2331	1667	1395
Calhoun	2476	2440	2340	2398	2278	2122	2042	2026	1899	1938	2272	1962	1594
Carroll	8520	8903	8465	8058	7552	7132	7000	6564	6667	6074	7162	5170	3933
Cass	5168	5019	4967	4784	4850	4925	4782	4553	4161	4188	4506	3754	3049
Cedar	3862	3625	3249	3135	3209	3170	2940	2711	2575	2661	2718	2369	1891
Cerro Gordo	19094	18870	18227	19582	19165	18923	17725	16848	16519	16838	17290	14899	14247
Cherokee	4413	4371	4522	4392	4128	3878	3430	3689	3654	3675	3919	3492	3168
Chickasaw	3926	3866	3837	3699	3715	3369	3286	3066	2962	3149	3437	2937	1688
Clarke	2400	2318	2764	2677	2536	2757	2188	2197	1881	1918	1948	1250	1087
Clay	6846	6681	6674	6291	6142	6134	5728	5207	5262	5467	6671	4980	4182
Clayton	4478	4268	4168	4193	4330	4275	4002	3829	3324	3357	3508	2991	2415
Clinton	17939	17885	18346	17304	16831	16596	15864	15003	14472	15301	17997	16209	15508
Crawford	5122	5065	4953	4626	4775	4589	4951	4909	4774	5033	5034	3106	3193
Dallas	7535	7325	6931	6149	5317	4902	5156	4887	4686	5017	4977	4964	3706
Davis	1452	1460	1265	1170	1189	1222	1147	1059	1012	1014	1142	914	805
Decatur	2385	2189	2152	1968	2135	1995	1897	2122	2557	2263	2110	1538	1455
Delaware	3652	3619	3331	3162	3144	2857	2797	2465	2659	2525	3385	2248	1972
Des Moines	19506	19351	18851	19051	19101	19095	18214	17327	16420	16035	18853	16845	20300
Dickinson	6317	6590	5543	5568	5164	5098	4340	4282	3970	3802	3697	3136	2292
Dubuque	45570	45017	42939	42821	42195	40917	40225	36620	37126	36159	42224	35270	30131
Emmet	2923	2992	2969	2842	2759	2620	2603	2675	2502	2765	3943	3259	2805
Fayette	6627	6111	5628	5503	5262	5246	4870	4365	4402	4532	5000	4275	3852
Floyd	4401	4896	5045	4959	4815	4878	4504	4213	4002	3811	5330	7145	4458
Franklin	2440	2436	2293	2400	2503	2317	2339	2278	2337	2646	3002	3050	1733
Fremont	1319	1329	1276	1386	1483	1184	1183	1239	1175	1178	1207	2001	887
Greene	2257	2249	2093	1922	2034	2153	2137	2075	1889	2044	2345	1707	1792
Grundy	2414	2442	2256	2093	2153	2052	2076	1937	2003	2147	2196	2222	1733
Guthrie	1912	1746	1631	1718	1637	1671	1650	1609	1551	1464	1619	1217	1126
Hamilton	5968	6007	5730	5966	5911	6308	5694	5352	4840	4771	4823	3743	3937
Hancock	3730	3440	3207	2921	2887	2864	2838	2609	2680	2721	2796	2059	1418
Hardin	6248	5916	5629	5467	5318	5148	5077	5332	5157	4992	5734	4604	3931
Harrison	2536	2516	2398	2437	2279	2318	2169	2124	1927	1995	2215	1816	1678
Henry	8481	9187	8706	9663	9045	8456	7160	6707	6065	5914	5216	3751	3262
Howard	2664	2438	2309	1827	1771	1751	1736	1842	1730	1652	2013	1516	1179
Humboldt	2920	2744	2547	2513	2430	2574	2407	2225	2321	2376	2435	2266	1680
Ida	2818	2767	2671	2350	2545	2490	2443	2120	1970	1948	1927	1608	1348
Iowa	8117	8126	7549	6679	6252	6739	5972	6178	5441	5822	6219	5579	3880
Jackson	4887	4637	4324	4204	4143	3655	3554	3365	3277	3244	3843	3203	2864
Jasper	11391	9614	9535	10011	10064	9861	10645	9969	9521	9754	10672	9455	8861

Table 2. Number of Employees of Business Establishments in Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Jefferson	7315	7343	6577	6694	6908	6236	5797	5162	5399	4647	4780	3744	3870
Johnson	40281	39905	38519	37155	37436	34883	25941	24398	23602	22439	19287	15022	12913
Jones	3662	3736	3399	3455	3446	3262	3245	3123	3281	3506	3646	3091	2635
Keokuk	1748	1872	1787	1715	1677	1776	1587	1766	1636	1458	1852	1551	1343
Kossuth	4771	4484	4559	4703	4755	4634	4581	4481	4268	4592	4911	3592	3013
Lee	15334	14754	14595	14734	14580	13398	12820	12482	12994	13302	15916	12041	12304
Linn	94660	93329	91908	86020	87000	84017	78591	76662	73309	71172	80670	64651	58226
Louisa	2903	3089	2898	2839	2643	2720	2654	1974	1245	1249	1749	1455	1207
Lucas	2668	2716	2596	2239	2566	2617	2433	2416	2215	2407	2287	1988	1950
Lyon	2168	2249	2115	2062	1854	1703	1650	1598	1492	1544	1796	1427	1174
Madison	2333	2158	1953	1961	1955	1827	1831	1746	1666	1643	1777	1477	1370
Mahaska	5764	5826	5444	5430	5677	5358	5274	4958	4746	4403	5347	4915	4427
Marion	13647	12370	11857	11871	12100	11634	9914	9429	9039	8886	8574	6228	4339
Marshall	14642	13720	13814	14146	13886	13466	12978	12731	13039	13198	14726	13585	13026
Mills	2969	3040	2943	3259	3225	3006	1719	1686	1618	1964	2110	1650	1393
Mitchell	2794	2640	2497	2399	2390	2290	2153	2162	2071	1920	1952	1561	1384
Monona	2696	2679	2207	2282	2312	2119	1905	1920	1854	1932	1970	1567	1268
Monroe	2122	2062	1968	1412	1446	1247	1244	1333	1192	1231	1786	1441	977
Montgomery	4048	4139	3907	3896	4037	3998	3656	3524	3385	3698	4010	3252	2690
Muscatine	17730	18539	17860	17276	17740	16869	16538	15925	16330	15633	15956	13413	10029
O'Brien	5122	5204	4766	5008	4728	4614	4529	4082	3816	3908	4112	3139	2712
Osceola	1637	1664	1667	1547	1512	1566	1385	1273	1221	1242	1480	1384	1170
Page	6374	5996	5609	5364	5890	5485	5079	5163	4954	5243	5222	3843	3704
Palo Alto	2586	2438	2199	2102	2010	2088	1923	1898	1803	1911	2264	1745	1696
Plymouth	7222	7259	6957	6927	6082	6006	5624	5716	5270	5127	5458	4012	3209
Pocahontas	2548	2475	2448	2298	2226	2206	2143	2013	2385	2256	2183	2370	1883
Polk	212091	207302	202542	199303	195268	191434	184627	171945	166886	162538	154178	130788	113449
Pottawattamie	23606	22756	23049	22266	22089	21277	21601	20629	18303	17783	18057	16053	14342
Poweshiek	8387	8202	8030	7865	7886	7857	6913	6339	5916	5772	5718	4665	3883
Ringgold	926	947	864	801	808	718	759	719	735	771	959	747	545
Sac	2599	2701	2598	2510	2326	2366	2104	2098	1979	2092	2831	3000	2259
Scott	67018	65099	63789	64323	62261	60918	58830	57854	56496	56350	61785	50486	42483
Shelby	3922	4035	3546	3442	3592	3507	3261	3216	3200	2992	3031	2729	2848
Sioux	12898	12511	12259	12145	11855	10736	9810	8762	8623	8662	8546	5922	4370
Story	24283	23475	22802	24208	22857	22186	18541	18386	18691	17617	18086	12754	9379
Tama	4080	3940	3189	3291	3357	3365	3054	2979	2965	3059	3280	2616	2079
Taylor	1341	1297	1271	1436	1783	1479	1475	1111	941	1001	1210	866	1150
Union	3917	3997	3942	3737	3883	3728	3670	3406	3007	3030	3389	2569	2461
Van Buren	1354	1330	1095	1070	1056	969	1024	990	962	1027	1019	887	752
Wapello	12203	11868	11418	11580	11493	11056	9866	9451	9570	10033	11518	9792	11897
Warren	5984	5911	5657	5514	5334	5138	4828	4737	4461	4481	4000	3093	2395
Washington	5617	5812	5313	4708	4467	4323	4212	4082	4068	4422	5247	4184	2752
Wayne	1662	1491	1432	1402	1368	1219	1189	1140	1224	1240	1442	1034	851
Webster	14975	15194	15099	14895	14822	14212	13536	13093	12857	13882	16420	14059	14969
Winnebago	6585	6325	6139	5225	4753	6810	6267	5504	5583	6037	4758	5323	3835
Winneshiek	8126	7808	7046	7315	7450	6814	6571	5652	5799	5758	4292	3387	3074
Woodbury	42959	43313	41415	40722	42564	40259	36854	34692	36160	35543	38134	36808	32583
Worth	1376	1369	1426	1496	1395	1277	1222	1085	965	1024	1047	814	682
Wright	4265	4467	4399	3923	3863	4114	3994	3895	3786	3398	3968	3392	2819
County Unknown	224	236	237	238	812	538	526	494	489	482	258	1492	7764
State of Iowa	1089774	1071996	1038327	1019245	1007900	978584	920042	874688	852247	847486	906179	762965	674889

Table 3. Average Number of Employees Per Business Establishment in Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Adair	9.4	8.2	8.3	7.6	8.4	8.1	8.2	7.6	7.0	6.5	6.7	5.8	5.2
Adams	8.1	8.3	8.5	7.1	6.2	8.7	8.3	11.1	10.1	10.6	12.1	16.4	7.0
Allamakee	9.6	10.1	10.2	8.8	8.8	9.1	8.5	8.7	8.3	7.6	7.9	6.4	7.0
Appanoose	10.0	9.7	9.6	9.5	9.1	8.9	9.1	8.9	8.4	7.9	9.5	8.8	9.5
Audubon	7.1	7.4	7.1	6.6	6.5	5.7	5.5	5.8	5.4	5.5	6.3	4.8	5.4
Benton	7.2	6.7	6.6	6.5	6.4	6.3	6.3	5.7	5.8	5.3	7.1	6.3	5.8
Black Hawk	16.2	16.1	16.1	16.2	15.7	15.2	14.5	13.6	13.1	13.4	19.1	18.2	18.3
Boone	11.8	11.9	11.5	11.9	12.7	11.8	9.0	8.6	8.3	8.6	9.8	8.5	8.3
Bremer	11.8	12.4	11.4	12.7	12.9	14.1	11.9	10.4	10.4	10.1	10.8	10.2	9.5
Buchanan	8.8	9.0	8.2	7.8	8.0	8.0	7.3	7.0	6.4	6.3	7.0	6.2	5.4
Buena Vista	12.4	12.0	11.5	11.3	11.2	10.7	10.2	10.3	10.1	9.9	10.1	7.0	8.0
Butler	6.3	6.5	5.9	5.4	5.4	5.4	5.1	5.3	4.7	4.7	5.9	4.6	4.2
Calhoun	7.5	7.2	7.1	7.4	7.2	6.4	6.2	6.0	5.8	5.6	6.7	5.3	5.0
Carroll	10.4	11.1	10.9	10.9	10.1	9.7	9.7	9.0	9.1	8.2	10.5	7.8	6.7
Cass	10.1	9.8	10.0	9.3	10.0	10.2	9.8	9.3	8.3	7.8	8.7	7.0	6.6
Cedar	8.5	7.8	7.4	7.2	7.2	7.3	6.7	6.2	5.7	5.9	6.6	5.6	5.0
Cerro Gordo	13.1	13.1	12.6	13.8	13.7	13.4	12.6	11.7	11.3	11.5	12.4	11.3	11.9
Cherokee	12.3	11.6	12.0	11.4	10.8	10.4	9.0	9.5	9.2	9.2	10.3	9.4	8.8
Chickasaw	10.0	9.8	9.8	9.8	10.1	9.1	8.8	8.6	8.3	8.4	9.4	8.1	5.7
Clarke	11.9	10.8	13.3	12.6	12.9	13.3	10.4	10.6	9.5	9.1	10.4	6.8	6.6
Clay	10.9	10.8	11.0	10.7	10.4	10.1	9.6	8.6	8.8	8.8	10.9	9.3	8.7
Clayton	8.2	8.0	8.0	8.1	8.2	8.4	7.9	7.6	6.7	6.4	7.8	6.5	5.4
Clinton	14.0	14.2	14.4	13.9	13.9	13.7	13.3	12.6	12.0	12.3	16.0	14.2	14.6
Crawford	10.8	10.4	10.0	9.6	9.9	9.6	10.4	10.8	10.0	10.2	10.8	7.2	8.3
Dallas	10.4	10.2	10.2	9.5	8.7	8.2	8.7	8.3	7.6	8.1	8.6	8.5	7.5
Davis	8.6	8.2	7.2	6.8	6.8	7.4	6.4	6.1	5.8	5.5	6.8	5.6	5.1
Decatur	14.0	12.3	12.3	11.9	12.6	11.5	10.8	13.0	15.6	12.7	11.4	8.1	8.4
Delaware	8.6	8.7	7.9	7.5	7.6	7.0	7.0	6.2	6.5	6.1	8.1	6.1	6.0
Des Moines	15.8	15.6	15.5	15.7	16.1	16.4	15.4	14.6	13.8	13.3	17.3	17.1	19.9
Dickinson	9.6	10.2	8.6	9.1	8.5	8.5	7.7	7.8	7.2	6.9	9.1	7.7	7.1
Dubuque	18.2	18.0	17.6	17.5	17.9	18.0	17.8	16.5	16.6	15.9	20.7	19.1	19.3
Emmet	9.4	9.5	9.9	10.2	9.7	9.3	9.3	9.3	8.5	8.7	12.4	9.9	9.6
Fayette	10.5	9.5	8.8	8.6	8.5	8.3	7.8	7.2	7.1	6.9	8.1	6.9	7.2
Floyd	9.8	10.7	11.0	11.1	10.8	11.0	10.2	9.6	8.9	8.2	12.0	17.1	11.1
Franklin	7.5	7.8	7.2	7.5	8.2	7.4	7.4	6.9	7.1	7.6	8.5	8.2	5.8
Fremont	6.9	6.6	6.5	7.2	7.8	6.4	6.7	6.9	6.0	5.9	6.6	9.5	4.8
Greene	7.7	7.7	7.5	6.7	7.1	7.5	7.4	7.1	6.2	6.3	8.1	5.8	6.7
Grundy	7.4	7.4	6.7	6.6	6.9	6.7	6.6	6.0	6.2	6.2	7.2	6.8	6.0
Guthrie	6.9	6.2	6.0	6.6	6.5	7.1	7.1	6.3	5.9	5.4	6.1	4.6	4.6
Hamilton	13.2	13.7	13.1	14.1	14.0	14.7	12.8	12.1	10.8	10.1	11.0	8.3	9.4
Hancock	10.8	9.9	9.0	8.3	8.4	8.5	8.9	7.9	7.8	7.6	8.3	5.8	5.5
Hardin	9.5	9.3	8.8	8.5	8.2	7.9	7.7	8.5	8.0	7.5	8.9	7.1	6.6
Harrison	7.4	7.5	6.9	7.1	7.0	6.9	6.4	6.5	5.9	6.0	6.9	5.6	5.4
Henry	17.1	17.8	17.6	20.3	18.7	17.5	15.1	14.3	13.9	12.7	10.8	8.3	7.9
Howard	9.7	8.9	8.7	7.0	7.0	7.1	7.2	7.4	6.6	6.1	7.1	5.3	4.6
Humboldt	9.4	8.5	8.0	8.0	7.8	8.1	7.7	7.2	7.3	7.2	7.4	6.9	6.0
Ida	10.5	10.7	10.5	10.0	11.0	10.1	10.1	8.8	8.1	8.0	8.2	6.3	6.2
Iowa	16.2	16.8	16.5	15.0	15.0	16.6	14.7	15.3	12.9	13.1	16.0	14.9	11.0
Jackson	8.9	8.7	8.2	8.5	8.8	7.5	7.3	6.7	6.4	6.3	8.3	6.9	6.9
Jasper	14.0	11.9	11.9	13.0	13.3	13.1	14.3	13.2	12.2	12.6	14.9	13.6	13.9

Table 3. Average Number of Employees Per Business Establishment in Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Jefferson	11.1	11.5	10.7	11.6	12.6	11.9	11.3	9.6	10.3	9.6	13.9	11.2	12.5
Johnson	17.2	17.4	17.3	17.5	18.0	17.4	13.0	12.3	12.1	11.5	12.9	11.4	11.5
Jones	7.9	8.4	7.6	7.8	8.0	7.6	7.3	7.1	7.0	7.1	8.3	6.9	6.7
Keokuk	6.5	7.0	6.4	6.0	6.0	6.3	5.7	6.2	5.7	4.9	6.2	5.2	4.9
Kossuth	8.7	8.4	8.4	8.8	9.3	8.7	8.7	8.5	7.9	7.9	8.7	6.7	6.3
Lee	14.6	14.0	14.0	14.2	14.4	13.4	12.5	12.1	12.4	12.5	16.4	12.8	14.6
Linn	18.8	19.2	19.4	18.9	19.4	18.9	17.8	17.6	16.9	16.5	21.5	19.8	20.5
Louisa	12.8	13.3	12.9	12.8	11.9	12.1	11.8	8.7	5.8	5.4	8.4	7.0	6.1
Lucas	14.2	14.8	13.5	12.0	13.6	12.9	12.7	12.8	11.7	11.9	10.7	9.2	8.6
Lyon	6.5	6.8	6.4	6.3	6.0	5.9	5.8	5.5	5.3	5.3	6.7	5.1	4.8
Madison	7.4	7.0	6.5	6.8	6.7	6.7	6.4	6.3	6.1	6.0	7.3	6.3	6.1
Mahaska	10.1	10.2	9.6	9.7	10.5	9.7	9.6	8.9	8.7	7.7	10.1	9.3	8.5
Marion	18.5	17.4	16.9	17.1	17.9	17.4	15.2	14.7	13.8	13.1	14.3	10.7	9.1
Marshall	15.4	14.7	14.7	15.3	15.2	14.5	13.7	13.4	13.6	13.4	15.8	15.0	16.3
Mills	12.0	12.6	12.9	14.5	14.0	13.4	7.7	7.7	7.3	8.3	8.2	7.0	6.8
Mitchell	8.2	7.9	7.8	7.1	7.4	7.2	6.6	6.9	6.6	6.2	6.6	5.0	4.8
Monona	9.5	9.4	7.9	8.2	8.1	7.3	6.7	6.6	6.4	6.5	6.7	4.9	4.8
Monroe	11.1	10.6	10.3	7.8	7.9	6.6	6.9	7.4	6.7	6.5	10.0	8.2	6.2
Montgomery	11.7	11.9	11.3	11.6	12.3	12.1	11.4	11.0	9.9	10.0	11.2	9.4	7.3
Muscatine	18.4	18.8	17.9	17.8	18.5	17.7	17.5	16.3	16.4	15.8	17.8	15.4	14.1
O'Brien	9.6	9.6	8.9	9.5	9.2	9.2	8.7	8.0	7.3	7.4	7.9	6.1	6.2
Osceola	8.1	8.1	8.0	7.6	7.4	7.9	7.0	6.4	6.2	6.0	7.1	7.0	6.2
Page	12.0	11.2	11.0	9.9	11.4	10.5	10.2	10.2	9.5	9.5	10.3	7.5	7.7
Palo Alto	7.7	7.2	6.5	6.7	6.5	6.8	6.1	6.2	5.7	6.0	7.8	5.7	5.8
Plymouth	11.5	11.4	11.1	11.5	9.8	9.9	9.1	9.0	8.5	8.6	9.6	7.1	6.7
Pocahontas	8.8	8.3	8.9	7.9	7.6	7.6	7.2	6.5	6.6	6.2	6.9	7.3	6.3
Polk	19.5	19.4	19.2	19.3	19.4	19.5	19.2	17.9	17.7	17.4	19.4	18.0	19.0
Pottawattamie	12.6	12.4	12.5	12.4	12.4	12.1	12.3	11.6	10.4	10.4	11.9	10.9	11.5
Poweshiek	14.6	14.6	14.4	15.0	15.1	15.2	13.1	12.1	10.9	11.4	11.8	10.3	9.3
Ringgold	7.7	7.7	6.6	5.9	5.8	5.4	5.9	5.8	5.8	5.8	6.9	5.4	4.7
Sac	6.9	7.0	6.8	6.7	6.2	6.5	5.8	5.5	5.2	5.2	6.7	7.1	5.8
Scott	15.6	15.4	15.2	15.7	15.5	15.4	14.9	14.8	14.9	14.6	18.5	16.9	17.1
Shelby	9.5	9.6	8.8	8.7	9.0	9.1	8.4	8.4	8.2	7.7	8.4	7.4	8.2
Sioux	12.5	12.6	12.8	13.1	13.5	12.5	12.2	11.1	10.9	10.7	10.5	7.9	7.1
Story	13.3	13.4	13.1	14.1	13.7	13.9	11.6	11.9	11.9	11.1	12.4	9.7	9.5
Tama	10.4	10.1	8.1	9.0	9.1	9.1	8.0	8.2	7.5	7.4	7.9	6.1	5.3
Taylor	7.4	7.7	7.1	8.3	10.0	8.1	8.1	6.2	5.7	5.5	7.2	4.8	6.3
Union	11.2	11.5	11.5	10.9	11.2	10.5	10.7	10.1	8.8	8.3	9.3	7.6	7.5
Van Buren	7.6	7.3	6.3	6.1	6.3	5.6	6.1	6.0	5.8	5.6	6.1	5.0	5.5
Wapello	14.2	13.9	13.4	14.0	13.9	13.5	12.3	11.9	11.9	11.8	14.9	12.6	14.6
Warren	8.9	9.1	8.8	8.9	8.5	8.7	8.3	8.3	7.8	8.0	8.8	6.7	7.1
Washington	8.9	9.6	8.7	8.1	7.7	7.6	7.2	7.3	7.2	7.5	9.7	7.9	6.0
Wayne	8.9	8.0	7.4	7.3	7.0	6.8	7.1	6.8	7.3	7.2	7.5	5.5	4.7
Webster	12.3	12.9	12.8	12.8	12.8	12.5	11.8	11.4	10.9	11.4	13.6	12.2	13.8
Winnebago	19.8	19.3	18.7	16.1	14.6	20.1	19.2	17.3	17.0	17.9	13.4	15.5	11.9
Winneshiek	13.9	13.2	12.3	12.9	13.4	12.6	12.1	10.4	10.8	10.3	9.1	7.7	7.6
Woodbury	15.4	15.4	15.1	15.0	15.9	15.2	13.9	13.1	13.6	13.1	14.9	14.5	14.4
Worth	7.5	7.4	7.7	8.5	8.2	7.5	6.8	6.2	5.5	5.4	6.0	4.5	4.6
Wright	9.9	10.2	10.0	9.1	9.1	9.6	9.2	9.0	8.6	7.3	8.9	7.4	6.9
County Unknown	24.9	23.6	21.5	21.6	26.2	11.7	21.9	19.0	21.3	15.1	.8	3.7	5.1
State of Iowa	14.0	13.9	13.7	13.7	13.8	13.5	12.8	12.2	11.9	11.6	13.5	11.9	11.7

Table 4. Annual Payroll (in \$1,000s) for Business Establishments in Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970*
Adair	34819	32139	29074	25938	27162	26036	26686	23304	20866	18918	15174	9541	4612
Adams	15934	14091	13805	8861	8118	13744	13407	16692	16039	15616	13458	11936	3140
Allamakee	56845	57849	53450	49113	47579	46218	39848	39402	39272	34648	26760	17388	10800
Appanoose	58551	56042	53704	50572	47089	42965	41869	38271	36798	34504	31398	23652	12808
Audubon	22283	21649	19649	16236	15360	13824	12875	11815	10869	11281	11839	7687	5264
Benton	68839	57502	53805	53989	51418	47340	46551	42351	38742	36788	36323	22573	11284
Black Hawk	1179507	1133480	1077229	1014286	994812	931286	867362	752675	668031	727039	863624	494660	275864
Boone	126661	121916	112140	100722	99498	99321	68421	62450	68239	62651	50665	32460	18636
Bremer	140926	146059	135594	142157	130897	139673	112161	97510	93285	91621	65188	41718	24388
Buchanan	83211	78313	72369	62487	59029	57275	44834	39315	35090	34082	32463	19551	7820
Buena Vista	130207	123373	111783	105588	100198	94194	93041	84419	78776	74412	64704	29573	21016
Butler	35862	32669	30802	26105	27250	25607	23465	21658	18279	19429	20993	12692	5604
Calhoun	36340	35785	33866	32012	30141	28370	25896	24724	23807	22373	21135	12768	6204
Carroll	143895	150460	143540	123639	116062	102792	99249	97095	93166	85146	74621	39759	17424
Cass	86485	81029	70785	65676	70463	69545	68146	60739	54224	52208	40911	26162	13884
Cedar	57361	50799	47771	44312	42948	40268	37644	34078	28322	29770	27517	16389	8052
Cerro Gordo	365690	352015	346095	336236	321552	301522	270657	250277	233740	231054	197003	123300	80576
Cherokee	80030	77032	75518	69197	65447	62451	51289	58288	49175	50292	47439	28956	17280
Chickasaw	74294	66846	63028	58623	57228	52645	49511	45439	43884	44095	37281	22831	7428
Clarke	38152	37167	40322	38348	39317	37227	33431	31265	27083	24015	20675	8061	4540
Clay	125786	118843	108950	99896	97674	89504	83257	73711	68394	68533	73446	41487	22652
Clayton	76544	69059	67522	62286	63163	58724	56107	49533	41957	38374	37311	22753	9600
Clinton	355321	340005	334296	315286	304221	289800	269095	233156	217812	235620	232129	148380	94044
Crawford	91047	85633	79119	71504	70015	74773	75211	76026	72868	72622	62404	23237	17064
Dallas	146553	128885	121895	100126	85518	71459	80048	73972	65791	65306	60744	41698	18452
Davis	25302	22753	18124	16711	16850	15800	15400	13261	12382	12289	10795	6211	3144
Decatur	28310	24899	23571	20956	20204	19646	18361	18983	23864	19083	13996	9728	5408
Delaware	68311	63047	54239	51818	51023	46346	44466	36869	35814	33058	33151	17276	10328
Des Moines	443798	413350	393819	383674	369599	350848	331216	314558	288081	271525	256139	153840	119716
Dickinson	115045	116143	97279	86879	82778	78960	62793	58748	49489	50902	36617	22915	10496
Dubuque	1009862	946592	884106	833673	792484	742273	725479	672956	611739	625528	587737	360465	199452
Emmet	52108	51053	47754	40786	38943	36629	34058	32664	30734	30105	52111	29052	16100
Fayette	105386	94210	88845	81788	78504	74773	67784	57493	55509	56315	48576	29335	18036
Floyd	80560	97361	84791	75053	70384	72571	68176	59351	56137	50703	71805	71865	27284
Franklin	46739	41495	37311	36733	39041	37090	34868	33859	34962	35297	34971	22724	8308
Fremont	21446	20424	19834	18214	19256	16381	13962	13821	13655	13792	12143	13409	3552
Greene	39988	37008	32123	27949	28401	27553	27591	26249	23782	24001	23250	13085	8632
Grundy	50177	41278	40161	34927	32346	28308	28702	26514	26093	25993	22176	16187	8140
Guthrie	23951	23256	19777	23096	20562	19313	18921	17537	15208	14772	12167	7446	4364
Hamilton	115541	104530	98440	104227	97097	94489	87423	79960	77261	61611	47890	27277	20360
Hancock	61880	54471	54242	47276	43770	44950	43395	36525	35693	35299	28936	14918	5952
Hardin	113951	100379	93834	83045	77989	71781	69444	72328	72020	69187	62891	36293	18956
Harrison	37334	33879	32734	31488	28455	27241	27203	24947	23285	21993	20125	11549	6364
Henry	164464	157839	148590	157133	140467	129549	116217	107028	90537	78681	53455	30572	14872
Howard	43958	36915	32057	25900	24582	22715	23545	21662	21690	20576	18203	9793	4728
Humboldt	51712	46342	40472	39836	36958	37033	34576	31470	29303	28742	26829	17696	8484
Ida	57517	52533	48163	41617	41254	38662	38972	33458	30397	27992	19579	11557	6824
Iowa	181839	168091	157809	127555	110197	108689	104635	90786	81153	81919	71314	45313	18652
Jackson	71131	63967	57822	52011	49782	42285	40517	39504	35068	34184	33596	20276	12760
Jasper	295342	216434	215960	239843	202517	195889	202970	192935	169005	172220	142043	94808	57044

*Only first-quarter payroll was available in 1970; it was multiplied by four to yield an estimate of annual payroll.

Table 4. Annual Payroll (in \$1,000s) for Business Establishments in Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970*
Jefferson	153565	136517	126405	116595	114175	103515	93185	77075	72653	63863	51082	27639	20960
Johnson	788335	727698	716361	614270	588235	564413	385299	360928	342595	309862	205248	112115	64124
Jones	63312	60329	54455	52480	50049	45380	43772	42071	40459	40094	35808	20966	12236
Keokuk	28298	27724	26140	26254	24367	23619	21866	22232	19959	17345	17208	9466	5840
Kossuth	78196	70633	70549	72222	72114	78329	66638	61939	57410	60527	51736	30520	14344
Lee	335393	310258	295026	285398	270771	255235	240114	219692	227999	226607	205857	114387	75676
Linn	2356792	2258207	2155569	1955569	1942939	1835284	1669391	1511187	1410199	1325977	1148551	655800	401820
Louisa	53744	49123	47757	42899	40848	38241	38442	27393	17716	13688	19046	11158	6060
Lucas	59100	52034	49377	53086	47043	43906	42049	43305	40048	35041	27476	16166	9292
Lyon	32084	31545	29135	27892	24863	22336	21133	18645	17419	17148	17205	9408	5276
Madison	36279	31713	27459	24779	24411	22284	21675	20051	19183	17254	16468	9306	5668
Mahaska	100661	94003	90453	81046	78456	72868	70221	63374	61031	55093	49095	34134	20408
Marion	297908	282487	269689	239340	233695	212493	186520	172293	148628	144951	102243	53551	20264
Marshall	340781	308183	309324	322512	290645	268722	254205	239401	239424	234490	207737	135460	83872
Mills	56900	55476	57712	50540	47492	49576	19693	19123	17943	22981	22716	11657	7016
Mitchell	48187	42726	37377	33757	33289	29271	28411	25835	24161	22360	18684	10535	5572
Monona	40761	37475	32004	31514	28757	26416	23518	22435	20822	20833	16823	10522	4672
Monroe	42179	36272	31535	20555	16646	14819	15469	16040	14525	14846	19307	10868	3940
Montgomery	76233	69813	65743	63427	61579	58860	52529	50523	46845	47456	40180	23267	12560
Muscatine	473678	471408	446009	396481	394184	368785	352316	327587	317417	299711	240526	130557	62596
O'Brien	76987	71686	65561	67190	61576	56499	53840	47527	43527	41668	35886	20392	11724
Osceola	27181	26666	27523	23887	23478	20722	19313	17321	15088	14537	14124	9436	5544
Page	123283	106684	90989	84106	84964	81194	73325	74808	68149	65559	54078	24921	16340
Palo Alto	36861	34132	31357	26735	25275	24063	22473	21099	19527	19720	20124	10999	6944
Plymouth	152023	137119	126517	114597	107987	100102	89934	84510	76831	68593	56938	29906	14888
Pocahontas	43589	39583	37961	33351	32874	32896	28329	27585	25829	26136	21134	15798	9108
Polk	5283690	5026489	4701569	4334406	4265583	3897767	3673450	3335786	3089390	2893922	2137263	1289343	729548
Pottawattamie	439469	403321	393227	359003	349807	325738	317765	305655	266205	249345	191875	119993	72124
Poweshiek	173876	160501	156167	143352	148965	134570	129865	112442	101764	93151	62559	37336	19756
Ringgold	12774	13726	10900	10354	9514	9120	8789	7603	7371	7080	7287	3781	1996
Sac	37184	36529	31704	31427	28167	25872	24488	22016	21022	21278	29218	23162	9904
Scott	1580988	1476394	1403321	1367634	1298962	1214937	1175716	1113791	1060495	1032208	954959	512614	287576
Shelby	59439	57371	52314	49119	46297	42397	41738	38264	37170	34619	28425	17590	13992
Sioux	215389	199953	185008	160390	149378	137562	122377	108767	101789	101495	78015	43521	19008
Story	411587	381480	360073	340207	338109	328564	257841	232284	216567	213503	179020	92946	43712
Tama	74154	60697	47865	45314	51257	47775	48920	39732	38909	38143	32623	20633	9288
Taylor	17608	16436	16175	17876	20741	17196	16387	11142	9035	9798	9717	5066	4076
Union	65691	61735	59790	54028	52829	49583	48867	43494	40108	37677	31722	15860	11184
Van Buren	23297	20937	17849	14803	15078	14054	12293	12465	10960	11104	8501	5506	2944
Wapello	255435	239926	225576	221039	217403	207601	176583	161703	146865	169386	157977	84461	74252
Warren	90975	87581	79809	73207	67947	62183	59272	55677	50401	46540	40174	24596	11028
Washington	98075	98734	84889	70049	66089	61113	59505	55353	51878	53947	53396	29375	13752
Wayne	24025	22155	20086	18394	17941	17063	15797	12933	13662	14501	11520	6260	3196
Webster	307457	288603	297453	266266	250091	228351	211240	190798	178803	182838	198596	113450	87048
Winnebago	140253	126509	111727	95926	97568	102951	103548	86818	80841	76704	43896	42896	21164
Winneshiek	136894	119473	109686	103536	96568	87644	82468	76353	70367	66916	46830	27800	13720
Woodbury	909769	850085	809379	755076	732688	692475	624599	557121	564218	543905	471544	316259	182880
Worth	22349	21417	19877	19223	20997	17718	15537	13870	12220	11745	8929	5677	2724
Wright	88927	77124	74145	65039	66873	68411	64239	57865	54992	43765	42039	29109	14784
County Unknown	4773	4732	4811	4312	16684	11129	12714	10069	9523	9517	7015	8959	49204
State of Iowa	21918291	19235845	17447939	14727611	13265591	6797939	3941996	23333183	20709355	18631850	16108393	13727312	11454080

Table 5. Adjusted Annual Payroll (in 1994 \$1,000s) for Business Establishments in Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Adair	34819	32952	30650	28137	30653	30927	33227	30177	27989	25766	26650	25675	17203
Adams	15934	14447	14553	9612	9161	16326	16693	21615	21514	21269	23636	32121	11712
Allamakee	56845	59312	56347	53276	53693	54900	49616	51023	52678	47191	46998	46792	40284
Appanoose	58551	57459	56614	54859	53141	51036	52132	49558	49360	46995	55144	63649	47774
Audubon	22283	22196	20714	17612	17334	16421	16031	15300	14579	15365	20793	20686	19635
Benton	68839	58956	56721	58566	58026	56232	57962	54841	51967	50106	63793	60745	42089
Black Hawk	1179507	1162145	1135606	1100268	1122657	1106221	1079970	974658	896079	990234	1516762	1331163	1028975
Boone	126661	124999	118217	109260	112285	117978	85192	80868	91534	85331	88982	87352	69512
Bremer	140926	149753	142942	154208	147719	165909	139654	126268	125130	124789	114488	112266	90967
Buchanan	83211	80293	76291	67784	66615	68034	55824	50910	47069	46420	57014	52613	29169
Buena Vista	130207	126493	117841	114539	113075	111888	115847	109316	105668	101350	113638	79583	78390
Butler	35862	33495	32471	28318	30752	30417	29217	28045	24519	26462	36869	34155	20903
Calhoun	36340	36690	35701	34726	34014	33699	32244	32016	31934	30472	37119	34360	23141
Carroll	143895	154265	151319	134120	130977	122101	123577	125731	124970	115970	131055	106994	64992
Cass	86485	83078	74621	71243	79518	82608	84850	78652	72735	71108	71851	70404	51787
Cedar	57361	52084	50360	48068	48467	47832	46871	44128	37990	40547	48327	44104	30034
Cerro Gordo	365690	360917	364851	364739	362875	358161	337001	324090	313533	314698	345992	331809	300549
Cherokee	80030	78980	79610	75063	73858	74182	63861	75479	65962	68498	83316	77923	64455
Chickasaw	74294	68537	66444	63593	64582	62534	61647	58840	58865	60058	65476	61440	27707
Clarke	38152	38107	42507	41599	44370	44220	41626	40486	36328	32709	36311	21693	16934
Clay	125786	121848	114854	108364	110226	106317	103665	95450	91742	93343	128991	111644	84492
Clayton	76544	70805	71181	67566	71280	69755	69860	64142	56280	52266	65528	61230	35808
Clinton	355321	348604	352412	342013	343317	344237	335056	301920	292167	320917	407682	399301	350785
Crawford	91047	87799	83407	77565	79013	88819	93647	98448	97743	98912	109599	62532	63649
Dallas	146553	132144	128501	108614	96508	84882	99669	95788	88250	88947	106683	112212	68826
Davis	25302	23328	19106	18128	19015	18768	19175	17172	16609	16738	18959	16714	11727
Decatur	28310	25529	24848	22732	22800	23336	22862	24582	32011	25991	24581	26179	20172
Delaware	68311	64641	57178	56211	57580	55052	55366	47743	48040	45025	58222	46491	38524
Des Moines	443798	423803	415161	416199	417097	416752	412404	407329	386424	369820	449851	413994	446542
Dickinson	115045	119080	102551	94244	93416	93792	78185	76074	66383	69329	64310	61666	39150
Dubuque	1009862	970531	932017	904344	894328	881703	903309	871428	820570	851975	1032228	970035	743958
Emmet	52108	52344	50342	44243	43948	43509	42406	42297	41226	41003	91521	78181	60053
Fayette	105386	96593	93660	88721	88593	88819	84399	74449	74458	76702	85313	78942	67274
Floyd	80560	99823	89386	81415	79429	86203	84887	76855	75301	69058	126109	193394	101770
Franklin	46739	42544	39333	39847	44058	44057	43415	43845	46897	48075	61419	61152	30989
Fremont	21446	20941	20909	19758	21731	19458	17384	17897	18316	18785	21326	36085	13249
Greene	39988	37944	33864	30318	32051	32729	34354	33990	31901	32690	40833	35213	32197
Grundy	50177	42322	42337	37888	36503	33625	35737	34334	35000	35403	38947	43560	30362
Guthrie	23951	23844	20849	25054	23204	22941	23559	22709	20400	20120	21369	20038	16278
Hamilton	115541	107174	103775	113062	109575	112238	108852	103542	103636	83915	84108	73404	75943
Hancock	61880	55849	57181	51284	49395	53394	54032	47297	47878	48078	50820	40145	22201
Hardin	113951	102918	98919	90085	88012	85265	86466	93659	96606	94233	110454	97667	70706
Harrison	37334	34736	34508	34157	32112	32358	33871	32305	31234	29955	35345	31079	23738
Henry	164464	161831	156642	170453	158519	153884	144704	138593	121444	107164	93882	82271	55473
Howard	43958	37849	33794	28096	27741	26982	29316	28051	29094	28025	31969	26354	17635
Humboldt	51712	47514	42665	43213	41708	43989	43051	40751	39306	39147	47119	47621	31645
Ida	57517	53862	50773	45145	46556	45924	48525	43326	40774	38125	34386	31101	25454
Iowa	181839	172342	166361	138368	124359	129105	130283	117561	108856	111574	125247	121940	69572
Jackson	71131	65585	60955	56420	56180	50228	50449	51155	47039	46559	59004	54564	47595
Jasper	295342	221908	227663	260175	228543	232685	252722	249836	226699	234565	249467	255135	212775

*Only first-quarter payroll was available in 1970; it was multiplied by four to yield an estimate of annual payroll.

Table 5. Adjusted Annual Payroll (in 1994 \$1,000s) for Business Establishments in Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Jefferson	153565	139969	133255	126479	128848	122959	116027	99806	97455	86982	89714	74378	78181
Johnson	788335	746101	755182	666342	663830	670434	479744	467375	459548	422035	360472	301709	239183
Jones	63312	61855	57406	56929	56481	53904	54501	54479	54271	54608	62889	56421	45640
Keokuk	28298	28425	27557	28480	27498	28056	27226	28789	26772	23624	30222	25474	21783
Kossuth	78196	72419	74372	78344	81382	93042	82972	80206	77008	82438	90863	82131	53503
Lee	335393	318104	311014	309592	305568	303179	298971	284485	305832	308641	361542	307823	282272
Linn	2356792	2315316	2272384	2121345	2192630	2180028	2078593	1956874	1891603	1805993	2017172	1764802	1498792
Louisa	53744	50365	50345	46536	46097	45424	47865	35472	23764	18643	33450	30027	22604
Lucas	59100	53350	52053	57586	53089	52153	52356	56077	53719	47726	48255	43504	34659
Lyon	32084	32343	30714	30256	28058	26532	26313	24144	23365	23356	30217	25318	19680
Madison	36279	32515	28947	26880	27548	26470	26988	25965	25732	23500	28922	25043	21142
Mahaska	100661	96380	95355	87916	88539	86556	87434	82065	81865	75037	86224	91857	76122
Marion	297908	289631	284304	259629	263728	252408	232240	223107	199366	197425	179567	144109	75585
Marshall	340781	315977	326087	349852	327996	319199	316516	310006	321157	319378	364843	364532	312843
Mills	56900	56879	60840	54824	53595	58888	24520	24763	24068	31300	39896	31370	26170
Mitchell	48187	43807	39403	36619	37567	34769	35375	33454	32409	30455	32814	28350	20784
Monona	40761	38423	33738	34185	32453	31378	29283	29052	27930	28375	29546	28315	17427
Monroe	42179	37189	33244	22297	18785	17603	19261	20771	19483	20220	33908	29247	14696
Montgomery	76233	71579	69306	68804	69493	69916	65405	65424	62837	64636	70567	62613	46849
Muscatine	473678	483330	470179	430091	444841	438058	438676	424201	425775	408209	422430	351338	233484
O'Brien	76987	73499	69114	72886	69489	67112	67037	61544	58386	56752	63026	54876	43731
Osceola	27181	27340	29015	25912	26495	24614	24047	22429	20239	19800	24806	25393	20679
Page	123283	109382	95920	91236	95883	96446	91298	96871	91413	89292	94976	67064	60948
Palo Alto	36861	34995	33056	29001	28523	28583	27982	27322	26193	26859	35343	29599	25901
Plymouth	152023	140587	133373	124312	121865	118905	111979	109434	103059	93424	99999	80479	55532
Pocahontas	43589	40584	40018	36178	37099	39075	35273	35721	34646	35597	37117	42513	33973
Polk	5283690	5153607	4956356	4701839	4813761	4629932	4573888	4319594	4144024	3941549	3753622	3469708	2721220
Pottawattamie	439469	413521	414537	389436	394761	386925	395656	395800	357080	339610	336985	322909	269023
Poweshiek	173876	164560	164630	155504	168109	159848	161698	145604	136503	126873	109871	100474	73690
Ringgold	12774	14073	11491	11232	10737	10833	10943	9845	9887	9643	12798	10175	7445
Sac	37184	37453	33422	34091	31787	30732	30491	28509	28198	28981	51315	62330	36942
Scott	1580988	1513731	1479370	1483570	1465894	1443154	1463908	1442276	1422519	1405877	1677171	1379479	1072661
Shelby	59439	58822	55149	53283	52247	50361	51969	49549	49859	47151	49922	47336	52190
Sioux	215389	205010	195034	173986	168575	163402	152374	140845	136537	138237	137016	117118	70900
Story	411587	391127	379586	369047	381560	390282	321043	300790	290497	290793	314408	250124	163046
Tama	74154	62232	50459	49155	57844	56749	60911	51450	52191	51951	57295	55525	34644
Taylor	17608	16852	17052	19391	23406	20426	20404	14428	12119	13345	17066	13633	15204
Union	65691	63296	63030	58608	59618	58897	60845	56321	53800	51316	55713	42680	41716
Van Buren	23297	21466	18816	16058	17016	16694	15306	16141	14701	15124	14930	14817	10981
Wapello	255435	245994	237800	239777	245342	246597	219867	209393	197001	230705	277451	227290	276961
Warren	90975	89796	84134	79413	76679	73864	73801	72098	67607	63388	70557	66189	41135
Washington	98075	101231	89489	75987	74582	72593	74091	71678	69588	73476	93778	79050	51295
Wayne	24025	22715	21175	19953	20247	20268	19669	16747	18326	19750	20232	16846	11921
Webster	307457	295902	313573	288838	282231	271245	263019	247069	239842	249027	348789	305302	324690
Winnebago	140253	129708	117782	104058	110107	122290	128930	112423	108438	104472	77093	115436	78942
Winneshiek	136894	122494	115630	112313	108978	104107	102683	98871	94388	91140	82246	74812	51176
Woodbury	909769	871583	853241	819085	826847	822551	777701	721430	756827	740804	828161	851074	682144
Worth	22349	21959	20954	20853	23695	21046	19345	17961	16392	15997	15682	15277	10161
Wright	88927	79074	78163	70552	75467	81261	79985	74931	73765	59608	73832	78334	55144
County Unknown	4773	4852	5072	4678	18828	13219	15830	13039	12774	12962	12320	24109	183531
State of Iowa	23333183	22472594	21831636	20866491	21026266	20725400	20056891	19071157	18413444	18067860	20116518	18293709	14703679

Table 6. Average Annual Payroll Per Employee for Business Establishments in Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Adair	17985	18230	16417	15448	14957	14266	14332	13573	13099	11898	9911	7147	4231
Adams	15365	14091	13588	11346	10529	13448	13196	12752	12924	11786	9471	6505	4255
Allamakee	14991	14168	13091	13522	13582	12725	11821	11613	11970	11627	8652	7054	4468
Appanoose	17583	17191	16862	16219	15707	14841	14398	14164	14159	13703	10301	7801	4524
Audubon	14507	13940	13047	12144	11870	11836	11845	10521	9827	9224	8273	6719	4290
Benton	17027	15660	15238	15447	14720	14127	14009	13845	12461	12328	10175	7346	4598
Black Hawk	23095	22295	21572	20865	21110	20655	20282	18762	17047	17574	15557	10222	6527
Boone	19441	18829	18901	16613	15474	16712	14620	13659	15067	13115	10269	7367	4744
Bremer	19374	19140	19329	18305	17365	17578	16575	16578	15468	15553	11199	8302	5694
Buchanan	19046	18082	17895	16757	15877	15509	13727	12984	12659	11445	10598	7631	4357
Buena Vista	16903	16432	15569	15269	14849	14462	14551	13207	12647	11874	10709	7550	5396
Butler	15525	13890	14001	12930	13659	13186	12331	11187	10727	10296	9006	7614	4017
Calhoun	14677	14666	14473	13349	13231	13369	12682	12203	12537	11544	9302	6508	3892
Carroll	16889	16900	16957	15344	15368	14413	14178	14792	13974	14018	10419	7690	4430
Cass	16735	16144	14251	13728	14528	14121	14251	13340	13031	12466	9079	6969	4554
Cedar	14853	14014	14703	14135	13384	12703	12804	12570	10999	11188	10124	6918	4258
Cerro Gordo	19152	18655	18988	17171	16778	15934	15270	14855	14150	13722	11394	8276	5656
Cherokee	18135	17623	16700	15755	15854	16104	14953	15800	13458	13685	12105	8292	5455
Chickasaw	18924	17291	16426	15848	15405	15626	15067	14820	14816	14003	10847	7774	4400
Clarke	15897	16034	14588	14325	15504	13503	15279	14231	14398	12521	10613	6449	4177
Clay	18374	17788	16325	15879	15903	14591	14535	14156	12998	12536	11010	8331	5417
Clayton	17093	16181	16200	14855	14587	13737	14020	12936	12622	11431	10636	7607	3975
Clinton	19807	19011	18222	18220	18075	17462	16963	15541	15051	15399	12898	9154	6064
Crawford	17776	16907	15974	15457	14663	16294	15191	15487	15264	14429	12397	7481	5344
Dallas	19450	17595	17587	16283	16084	14578	15525	15136	14040	13017	12205	8400	4979
Davis	17426	15584	14327	14283	14172	12930	13426	12522	12235	12119	9453	6795	3906
Decatur	11870	11375	10953	10648	9463	9848	9679	8946	9333	8433	6633	6325	3717
Delaware	18705	17421	16283	16388	16229	16222	15898	14957	13469	13092	9794	7685	5237
Des Moines	22752	21361	20891	20139	19350	18374	18185	18154	17545	16933	13586	9133	5897
Dickinson	18212	17624	17550	15603	16030	15488	14468	13720	12466	13388	9905	7307	4579
Dubuque	22161	21027	20590	19469	18781	18141	18036	18377	16477	17299	13920	10220	6619
Emmet	17827	17063	16084	14351	14115	13981	13084	12211	12284	10888	13216	8914	5740
Fayette	15903	15416	15786	14862	14919	14253	13919	13171	12610	12426	9715	6862	4682
Floyd	18305	19886	16807	15135	14618	14877	15137	14088	14027	13304	13472	10058	6120
Franklin	19155	17034	16272	15305	15598	16008	14907	14863	14960	13340	11649	7450	4794
Fremont	16259	15368	15544	13141	12984	13835	11802	11155	11621	11708	10060	6701	4005
Greene	17717	16455	15348	14542	13963	12797	12911	12650	12590	11742	9915	7665	4817
Grundy	20786	16903	17802	16688	15024	13795	13826	13688	13027	12107	10098	7285	4697
Guthrie	12527	13320	12126	13444	12561	11558	11467	10899	9805	10090	7515	6118	3876
Hamilton	19360	17401	17180	17470	16426	14979	15354	14940	15963	12914	9930	7287	5171
Hancock	16590	15835	16914	16185	15161	15695	15291	14000	13318	12973	10349	7245	4197
Hardin	18238	16967	16670	15190	14665	13943	13678	13565	13965	13860	10968	7883	4822
Harrison	14722	13465	13651	12921	12486	11752	12542	11745	12084	11024	9086	6360	3793
Henry	19392	17181	17068	16261	15530	15320	16231	15958	14928	13304	10248	8150	4559
Howard	16501	15142	13883	14176	13880	12973	13563	11760	12538	12455	9043	6460	4010
Humboldt	17710	16888	15890	15852	15209	14387	14365	14144	12625	12097	11018	7809	5050
Ida	20411	18986	18032	17709	16210	15527	15953	15782	15430	14370	10160	7187	5062
Iowa	22402	20686	20905	19098	17626	16128	17521	14695	14915	14071	11467	8122	4807
Jackson	14555	13795	13372	12372	12016	11569	11400	11740	10701	10538	8742	6330	4455
Jasper	25928	22512	22649	23958	20123	19865	19067	19353	17751	17656	13310	10027	6438

Table 6. Average Annual Payroll Per Employee for Business Establishments in Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Jefferson	20993	18591	19219	17418	16528	16600	16075	14931	13457	13743	10687	7382	5416
Johnson	19571	18236	18598	16533	15713	16180	14853	14793	14516	13809	10642	7463	4966
Jones	17289	16148	16021	15190	14524	13912	13489	13471	12331	11436	9821	6783	4644
Keokuk	16189	14810	14628	15308	14530	13299	13778	12589	12200	11896	9292	6103	4348
Kossuth	16390	15752	15475	15357	15166	16903	14547	13823	13451	13181	10535	8497	4761
Lee	21873	21029	20214	19370	18571	19050	18730	17601	17546	17036	12934	9500	6151
Linn	24897	24196	23454	22734	22333	21844	21242	19712	19236	18631	14238	10144	6901
Louisa	18513	15903	16479	15111	15455	14059	14485	13877	14230	10959	10890	7669	5021
Lucas	22151	19158	19020	23710	18333	16777	17283	17924	18080	14558	12014	8132	4765
Lyon	14799	14026	13775	13527	13410	13116	12808	11668	11675	11106	9580	6593	4494
Madison	15550	14696	14060	12636	12486	12197	11838	11484	11514	10502	9267	6301	4137
Mahaska	17464	16135	16615	14926	13820	13600	13315	12782	12859	12513	9182	6945	4610
Marion	21830	22836	22745	20162	19314	18265	18814	18273	16443	16312	11925	8598	4670
Marshall	23274	22462	22392	22799	20931	19956	19587	18805	18362	17767	14107	9971	6439
Mills	19165	18249	19610	15508	14726	16492	11456	11342	11090	11701	10766	7065	5037
Mitchell	17247	16184	14969	14071	13928	12782	13196	11950	11666	11646	9572	6749	4026
Monona	15119	13988	14501	13810	12438	12466	12345	11685	11231	10783	8540	6715	3685
Monroe	19877	17591	16024	14557	11512	11884	12435	12033	12185	12060	10810	7542	4033
Montgomery	18832	16867	16827	16280	15254	14722	14368	14337	13839	12833	10020	7155	4669
Muscatine	26716	25428	24973	22950	22220	21862	21303	20571	19438	19172	15074	9734	6241
O'Brien	15031	13775	13756	13417	13024	12245	11888	11643	11406	10662	8727	6496	4323
Osceola	16604	16025	16510	15441	15528	13232	13944	13606	12357	11705	9543	6818	4738
Page	19342	17793	16222	15680	14425	14803	14437	14489	13756	12504	10356	6485	4411
Palo Alto	14254	14000	14260	12719	12575	11524	11686	11116	10830	10319	8889	6303	4094
Plymouth	21050	18890	18186	16544	17755	16667	15991	14785	14579	13379	10432	7454	4639
Pocahontas	17107	15993	15507	14513	14768	14912	13219	13703	10830	11585	9681	6666	4837
Polk	24912	24247	23213	21748	21845	20361	19897	19400	18512	17805	13862	9858	6431
Pottawattamie	18617	17724	17060	16123	15836	15309	14711	14817	14544	14022	10626	7475	5029
Poweshiek	20732	19569	19448	18227	18890	17127	18786	17738	17201	16138	10941	8003	5088
Ringgold	13795	14494	12616	12926	11775	12702	11580	10574	10029	9183	7599	5062	3662
Sac	14307	13524	12203	12521	12110	10935	11639	10494	10623	10171	10321	7721	4384
Scott	23590	22679	21999	21262	20863	19944	19985	19252	18771	18318	15456	10154	6769
Shelby	15155	14218	14753	14270	12889	12089	12799	11898	11616	11571	9378	6446	4913
Sioux	16699	15982	15092	13206	12600	12813	12475	12413	11804	11717	9129	7349	4350
Story	16950	16250	15791	14053	14792	14810	13907	12634	11587	12119	9898	7288	4661
Tama	18175	15405	15009	13769	15269	14198	16018	13337	13123	12469	9946	7887	4468
Taylor	13130	12672	12726	12448	11633	11627	11110	10029	9601	9788	8031	5850	3544
Union	16771	15445	15167	14458	13605	13300	13315	12770	13338	12435	9360	6174	4544
Van Buren	17206	15742	16300	13835	14278	14504	12005	12591	11393	10812	8342	6207	3915
Wapello	20932	20216	19756	19088	18916	18777	17898	17110	15346	16883	13716	8626	6241
Warren	15203	14817	14108	13277	12738	12103	12277	11754	11298	10386	10044	7952	4605
Washington	17460	16988	15978	14879	14795	14137	14127	13560	12753	12200	10176	7021	4997
Wayne	14455	14859	14027	13120	13115	13998	13286	11345	11162	11694	7989	6054	3756
Webster	20531	18995	19700	17876	16873	16067	15606	14573	13907	13171	12095	8070	5815
Winnebago	21299	20001	18200	18359	20528	15118	16523	15774	14480	12706	9226	8059	5519
Winneshiek	16846	15301	15567	14154	12962	12862	12550	13509	12134	11621	10911	8208	4463
Woodbury	21178	19627	19543	18542	17214	17201	16948	16059	15603	15303	12365	8592	5613
Worth	16242	15644	13939	12850	15052	13875	12714	12783	12663	11470	8528	6974	3994
Wright	20850	17265	16855	16579	17311	16629	16084	14856	14525	12880	10595	8582	5244
County Unknown	21308	20051	20300	18118	20547	20686	24171	20383	19474	19745	27190	6005	6337
State of Iowa	21411	20446	19945	18873	18486	17830	17508	16838	16107	15653	12640	8910	5841

Table 7. Adjusted Average Annual Payroll (in 1994 \$1,000s) Per Employee for Business Establishments in Iowa Counties, 1970-1994.

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Adair	17985	18691	17307	16758	16879	16946	17845	17576	17571	16205	17406	19233	15782
Adams	15365	14447	14324	12308	11882	15974	16431	16513	17336	16053	16634	17505	15871
Allamakee	14991	14526	13800	14668	15327	15115	14719	15038	16056	15836	15195	18983	16666
Appanoose	17583	17626	17776	17594	17726	17629	17927	18341	18992	18664	18091	20993	16875
Audubon	14507	14293	13754	13173	13395	14059	14748	13624	13182	12563	14530	18081	16002
Benton	17027	16056	16064	16756	16612	16781	17443	17928	16715	16791	17870	19769	17151
Black Hawk	23095	22859	22741	22634	23823	24535	25254	24295	22866	23936	27322	27508	24346
Boone	19441	19305	19925	18021	17463	19851	18204	17687	20210	17863	18035	19825	17695
Bremer	19374	19624	20376	19857	19597	20880	20638	21467	20748	21183	19669	22341	21239
Buchanan	19046	18539	18865	18178	17917	18422	17092	16813	16980	15588	18613	20536	16252
Buena Vista	16903	16848	16413	16563	16757	17179	18118	17102	16964	16172	18808	20318	20127
Butler	15525	14241	14760	14026	15414	15663	15354	14486	14389	14023	15817	20490	14983
Calhoun	14677	15037	15257	14481	14931	15880	15791	15802	16817	15723	16337	17513	14517
Carroll	16889	17327	17876	16645	17343	17120	17653	19155	18744	19093	18299	20694	16524
Cass	16735	16552	15023	14892	16395	16774	17744	17274	17479	16979	15945	18754	16986
Cedar	14853	14368	15500	15333	15104	15089	15943	16277	14754	15238	17781	18617	15882
Cerro Gordo	19152	19127	20017	18627	18934	18927	19013	19236	18980	18689	20011	22271	21097
Cherokee	18135	18069	17605	17091	17891	19129	18618	20460	18052	18639	21260	22314	20347
Chickasaw	18924	17728	17316	17191	17385	18561	18760	19191	19874	19072	19050	20920	16412
Clarke	15897	16439	15379	15539	17496	16039	19024	18428	19313	17054	18639	17355	15580
Clay	18374	18238	17210	17225	17947	17332	18098	18331	17435	17074	19337	22419	20205
Clayton	17093	16590	17078	16114	16462	16317	17457	16751	16931	15569	18680	20471	14827
Clinton	19807	19492	19209	19765	20398	20742	21121	20124	20189	20974	22652	24634	22619
Crawford	17776	17335	16840	16767	16547	19355	18915	20055	20475	19652	21773	20132	19933
Dallas	19450	18040	18540	17663	18151	17316	19330	19600	18833	17729	21435	22605	18572
Davis	17426	15978	15103	15494	15993	15359	16717	16215	16412	16506	16602	18286	14569
Decatur	11870	11663	11547	11551	10679	11698	12052	11584	12519	11486	11649	17021	13864
Delaware	18705	17862	17165	17777	18315	19269	19795	19368	18067	17831	17201	20681	19534
Des Moines	22752	21901	22023	21846	21837	21825	22643	23508	23534	23063	23861	24578	21996
Dickinson	18212	18070	18501	16926	18090	18397	18014	17766	16722	18235	17396	19664	17080
Dubuque	22161	21559	21706	21119	21195	21549	22457	23797	22102	23561	24447	27503	24689
Emmet	17827	17495	16956	15568	15929	16607	16291	15812	16477	14830	23211	23988	21410
Fayette	15903	15806	16641	16122	16836	16930	17331	17055	16915	16924	17062	18466	17464
Floyd	18305	20389	17718	16418	16497	17672	18847	18243	18815	18120	23661	27067	22828
Franklin	19155	17465	17154	16602	17603	19015	18561	19246	20067	18169	20459	20048	17882
Fremont	16259	15757	16386	14255	14653	16434	14695	14445	15588	15946	17668	18033	14939
Greene	17717	16871	16180	15775	15757	15201	16076	16381	16888	15993	17413	20627	17967
Grundy	20786	17330	18767	18103	16955	16386	17215	17725	17474	16490	17735	19604	17520
Guthrie	12527	13657	12783	14584	14175	13729	14278	14113	13152	13743	13198	16464	14458
Hamilton	19360	17841	18111	18951	18537	17793	19118	19346	21412	17589	17440	19610	19288
Hancock	16590	16235	17831	17557	17109	18643	19039	18129	17864	17669	18176	19497	15655
Hardin	18238	17396	17573	16478	16550	16562	17031	17566	18732	18877	19263	21214	17986
Harrison	14722	13806	14391	14016	14091	13960	15616	15209	16209	15015	15958	17115	14148
Henry	19392	17615	17993	17639	17526	18198	20210	20664	20024	18120	17998	21932	17005
Howard	16501	15525	14635	15378	15664	15410	16888	15228	16818	16964	15882	17384	14957
Humboldt	17710	17315	16751	17196	17164	17089	17886	18315	16935	16476	19351	21015	18837
Ida	20411	19466	19009	19210	18293	18444	19863	20437	20697	19572	17844	19341	18881
Iowa	22402	21209	22038	20717	19891	19158	21816	19029	20007	19165	20139	21857	17930
Jackson	14555	14144	14097	13421	13560	13742	14194	15202	14354	14353	15353	17034	16617
Jasper	25928	23081	23876	25989	22709	23596	23741	25061	23811	24048	23376	26983	24014

Table 7. Adjusted Average Annual Payroll (in 1994 \$1,000s) Per Employee for Business Establishments in Iowa Counties, 1970-1994 (continued).

County	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1980	1975	1970
Jefferson	20993	19061	20261	18895	18652	19718	20015	19335	18051	18718	18769	19865	20202
Johnson	19571	18697	19606	17935	17732	19219	18494	19156	19471	18808	18690	20083	18523
Jones	17289	16556	16889	16478	16391	16525	16795	17444	16540	15576	17248	18254	17322
Keokuk	16189	15185	15421	16606	16397	15797	17155	16302	16365	16202	16319	16424	16218
Kossuth	16390	16150	16314	16659	17115	20078	18113	17900	18043	17953	18502	22866	17759
Lee	21873	21561	21309	21012	20958	22628	23321	22792	23536	23203	22716	25565	22943
Linn	24897	24808	24725	24661	25203	25947	26449	25526	25803	25376	25006	27298	25741
Louisa	18513	16305	17372	16392	17441	16700	18036	17970	19088	14926	19126	20638	18728
Lucas	22151	19642	20051	25720	20689	19928	21519	23210	24252	19828	21100	21884	17773
Lyon	14799	14381	14521	14674	15133	15580	15948	15109	15661	15126	16825	17742	16763
Madison	15550	15068	14822	13707	14091	14488	14740	14871	15445	14304	16275	16956	15431
Mahaska	17464	16543	17515	16191	15596	16155	16579	16552	17249	17043	16126	18689	17195
Marion	21830	23414	23978	21871	21796	21696	23426	23662	22056	22217	20944	23138	17419
Marshall	23274	23030	23605	24732	23621	23705	24388	24351	24630	24199	24776	26833	24018
Mills	19165	18711	20673	16823	16618	19590	14264	14687	14876	15937	18908	19012	18788
Mitchell	17247	16593	15780	15264	15718	15183	16431	15474	15648	15862	16811	18162	15017
Monona	15119	14342	15287	14981	14036	14808	15371	15131	15065	14687	14999	18071	13745
Monroe	19877	18036	16892	15791	12991	14116	15483	15582	16345	16426	18985	20296	15043
Montgomery	18832	17294	17739	17660	17214	17487	17890	18565	18563	17479	17598	19255	17415
Muscatine	26716	26071	26326	24895	25076	25969	26525	26638	26074	26112	26474	26195	23279
O'Brien	15031	14123	14501	14554	14698	14545	14802	15077	15300	14522	15327	17481	16125
Osceola	16604	16430	17405	16750	17524	15718	17362	17619	16575	15942	16760	18348	17673
Page	19342	18243	17101	17009	16279	17584	17976	18762	18452	17031	18188	17452	16453
Palo Alto	14254	14354	15033	13797	14191	13689	14550	14394	14527	14055	15612	16962	15271
Plymouth	21050	19368	19172	17946	20037	19798	19911	19145	19556	18222	18321	20059	17304
Pocahontas	17107	16397	16347	15743	16666	17713	16459	17744	14527	15779	17003	17939	18042
Polk	24912	24860	24471	23592	24652	24186	24774	25122	24831	24251	24345	26529	23988
Pottawattamie	18617	18172	17985	17490	17871	18185	18317	19187	19509	19098	18662	20116	18758
Poweshiek	20732	20064	20502	19772	21318	20344	23391	22969	23073	21980	19215	21537	18978
Ringgold	13795	14861	13300	14022	13288	15088	14418	13693	13453	12507	13346	13622	13659
Sac	14307	13866	12864	13582	13666	12989	14492	13589	14249	13853	18127	20778	16352
Scott	23590	23253	23191	23064	23544	23690	24884	24930	25179	24949	27145	27325	25248
Shelby	15155	14578	15552	15480	14545	14360	15936	15407	15581	15760	16470	17347	18326
Sioux	16699	16386	15910	14325	14219	15220	15533	16074	15834	15959	16033	19777	16226
Story	16950	16661	16647	15244	16693	17592	17316	16360	15542	16506	17384	19612	17386
Tama	18175	15795	15822	14936	17231	16865	19944	17270	17603	16983	17468	21224	16666
Taylor	13130	12992	13416	13503	13128	13811	13833	12987	12879	13331	14105	15743	13219
Union	16771	15836	15989	15684	15353	15798	16579	16536	17891	16937	16439	16615	16949
Van Buren	17206	16140	17183	15008	16113	17228	14948	16304	15282	14726	14651	16703	14603
Wapello	20932	20727	20827	20706	21347	22304	22285	22156	20585	22995	24089	23213	23279
Warren	15203	15192	14873	14403	14375	14376	15286	15221	15155	14146	17640	21399	17177
Washington	17460	17418	16844	16140	16696	16793	17590	17559	17107	16617	17872	18894	18639
Wayne	14455	15235	14787	14232	14800	16627	16543	14691	14972	15927	14031	16292	14010
Webster	20531	19475	20768	19391	19041	19085	19431	18871	18654	17939	21242	21717	21690
Winnebago	21299	20507	19186	19915	23166	17958	20573	20426	19423	17306	16203	21687	20586
Winneshiek	16846	15688	16411	15354	14628	15278	15626	17493	16276	15828	19163	22088	16647
Woodbury	21178	20123	20602	20114	19426	20432	21102	20795	20929	20843	21716	23122	20937
Worth	16242	16040	14694	13939	16986	16481	15830	16553	16986	15622	14978	18768	14898
Wright	20850	17702	17768	17984	19536	19753	20027	19237	19483	17543	18608	23095	19560
County Unknown	21308	20558	21400	19654	23188	24572	30096	26394	26122	26893	47753	16160	23637
State of Iowa	21411	20963	21026	20473	20862	21179	21800	21804	21605	21320	22199	23977	21787

Not surprisingly, Polk (212,091) had the most employees in 1994, followed by Linn (94,660), Scott (67,018), and Black Hawk (51,073). Thirteen counties reported fewer than 2,000 workers in these establishments; Ringgold (926) and Adams (1,037) had the least. Even though there were substantial statewide gains in employees between 1985 and 1994, two counties (Adams, Franklin) had fewer at the end of the period than at the beginning. Four counties (Johnson, Linn, Polk, Scott) had increases of at least 10,000 when 1985 and 1994 were compared.

Employees Per Establishment

Iowa's establishments averaged 14.0 employees each in 1994, up slightly from 13.9 in 1993 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. Iowa's average number of employees per establishment was higher in 1980 than the figures for either five years earlier or later.

While there was considerable range in the average number of employees per establishment, 46 counties averaged fewer than 10; six (Butler, Fremont, Guthrie, Keokuk, Lyon, Sac) were below seven. In contrast, Dubuque, Linn, Marion, and Muscatine had an average of at least 18 while Polk and Winnebago reported at least 19 employees per business. All but two counties (Adams, Franklin) averaged more employees per firm in 1994 than in 1985.

Annual Payroll

Iowa's payroll from these establishments was more than \$23 billion in 1994, more than \$1.4 billion higher (+6.5%) than in 1993 (Table 4). Pay increased annually since 1985; the total in 1994 was \$10.1 billion more (or +75.9%) than the amount nine years earlier.

While the three counties (Adams, Ringgold, Taylor) with the lowest payrolls in 1994 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 (\$700 million or more) were in Black Hawk, Dubuque, Johnson, Linn, Polk, Scott, and Woodbury. Polk's, the highest, was \$5.3 billion. No county reported a lower payroll in 1994 than in 1985.

Because inflation has affected the value of a dollar from year to year, comparisons of the 1994 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 1994 dollars based on the consumer price index for each year.

After adjusting for inflation, the payroll in Iowa still was higher in 1994 than in 1993 (Table 5) but only by about half (+\$861 million, +3.8%) as much as before adjustment. 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. Also, the adjusted payroll in 1980 was higher than those for 1985 through 1988, which were difficult years in Iowa's economy.

County adjusted and unadjusted payroll figures also differ. Before adjusting for inflation, no county had a lower payroll in 1994 than in 1985. After adjustment, four (Adams, Crawford, Franklin, Kossuth) were in this situation. In adjusted dollars, 1994 payrolls were approximately \$8 million lower in Crawford, \$5 million lower in Adams, \$4 million lower in Kossuth, and \$1 million lower in Franklin 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 1994, employees averaged \$21,411, up by \$965 (+4.7%) from the 1993 figure (Table 6). Pay per employee increased each year since 1985, for an average per person gain of \$5,758 (+36.8%) over the nine years.

In 1994, pay per employee varied from less than \$14,000 in Decatur, Guthrie, Ringgold, and Taylor to more than \$24,000 in Jasper, Linn, Muscatine, and Polk. All counties had higher average pay in 1994 than in 1985, but the increase in three (Carroll, Guthrie, Wayne) was less than \$3,000. Average pay increased more than \$8,000 in Grundy, Iowa, Jasper, and Winnebago.

As with total payroll, the average pay per worker for 1993 and earlier years was adjusted to 1994 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 1989-1994 were lower than those for 1986-1988 (Table 7). In addition, the highest adjusted average pay was \$23,977 in 1975, nineteen years earlier than 1994. This may mean that pay has not kept pace with inflation, but 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 1994 was quite different when the adjusted figures were compared. With the unadjusted numbers, all the counties had higher average pay in 1994 than in 1985. With adjustment for inflation, 38 counties were lower in the more recent year. Seventeen 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. Sixty-one counties had higher adjusted average pay in 1994 than in 1985; 36 increased by at least \$1,000. Gains exceeded \$2,000 in 15 of these, topped by an increase of nearly \$4,300 in Grundy.

Note: These data are published in annual reports entitled COUNTY BUSINESS PATTERNS: IOWA (Washington, D.C.: U.S. Bureau of the Census; the 1994 volume was published in 1996 under CBP-94-17). 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, 1985-1994.

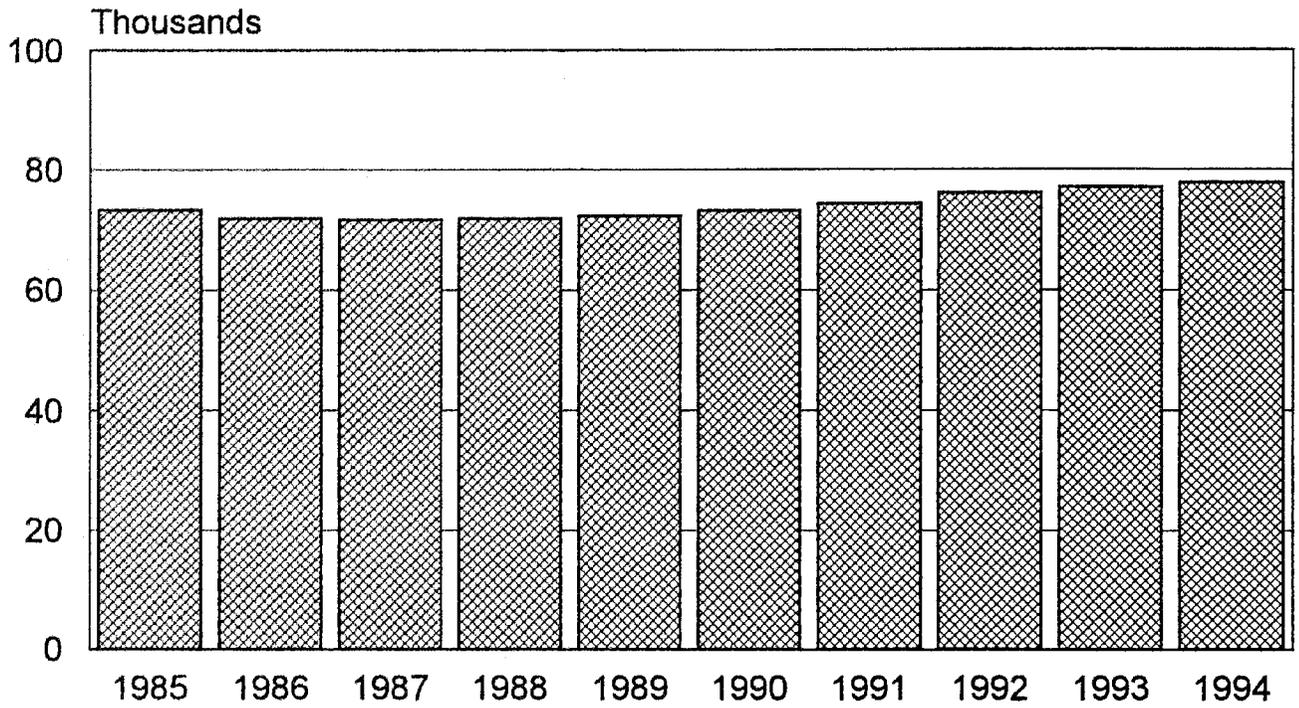
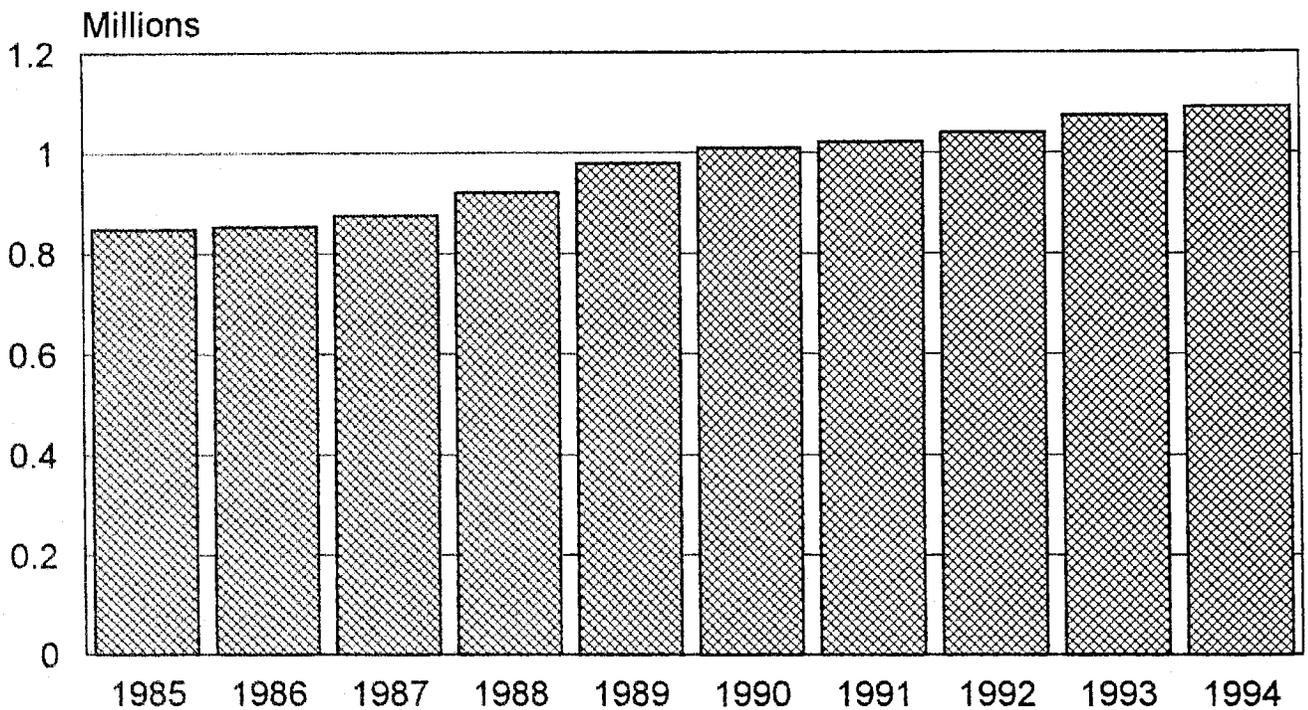


Figure 2. Number of employees of business establishments in Iowa, 1985-1994.



Number and Size of Farms in Iowa's Counties:

1975-1995

Jim Sands, Iowa Department of Agriculture and Land Stewardship
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Each year, the Iowa Department of Agriculture and Land Stewardship estimates the number of farms in Iowa's counties. The 100,000 farms reported for 1995 represented a decrease of 4,000 from the total in 1990. Since 1975, when this series of estimates was initiated, farm numbers have declined by 30,000 (Table 1, Figure 2). Average size in acres has increased from 262 in 1975 to 332 in 1995, a gain of 70 acres over the 21 years (Table 2, Figure 3).

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. Six counties (Clayton, Dubuque, Linn, Plymouth, Sioux, Winneshiek) each have at least 1,600 farms. Their totals are more than double the number in the 22 counties with fewer than 800. Mills (580) is the only county with fewer than 600 farms as of 1995.

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 1). Five counties (Bremer, Dubuque, Johnson, Linn, Sioux) averaged fewer than 250 acres per farm, while five others (Decatur, Fremont, 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 1975 to 1995. Forty-six counties reported decreases of 300 or more farms by the end of the period; 42 decreased from 200 to 299, and the remaining 11 lost fewer than 200 farms. Four counties (Adams, Clarke, Dickinson, Osceola) declined by fewer than 150 farms between 1975 and 1995; five others (Fayette, Kossuth, Pottawattamie, Wapello, Woodbury) had at least 500 fewer farms in 1995 than in 1975.

Farms dropped by 11,000 from 1975 to 1980 and by 8,000 from 1980 to 1985. The decline was 7,000 during the 1985-1990 period. In 1975, six counties had at least 2,000 farms; none did in 1995, although Sioux was close at 1,970. The number of Iowa's farms decreased by 23.1 percent from 1975 to 1995 (Table 3). The drop was about 10 percent in Dubuque, Jackson, and Sioux; it exceeded 35 percent in Polk and Wapello. At least 25 percent fewer farms were counted in another 32 counties. In the most recent comparison (1990-1995), farms were down 3.8 percent in the state; decreases were at least 5.0 percent in 21 counties.

Patterns for counties tended to be similar to that for the state, with 56 counties reporting greater percentage decreases in the late 1970s than the early 1980s. For 42 counties, percentage declines of farms were higher in the early 1980s than the late 1970s; many of these counties were in the northwestern section of the state, although another group was clustered in the east-central region. Franklin had the same percentage decline in the late 1970s and early 1980s. Although most counties had their largest percentage declines in the late 1970s (47) or early 1980s (21), 31 had their greatest decreases in the late 1980s.

Table 1. Estimated Number of Farms 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	900	910	920	930	930	940	950	970	980	1010	1030	1040	1050	1080	1080	1090	1110	1130	1140	1150	1170
Adams	670	670	680	690	690	690	700	710	700	720	720	730	730	750	750	750	760	780	790	790	790
Allamakee	1080	1090	1100	1110	1110	1110	1110	1120	1090	1110	1120	1120	1130	1150	1180	1180	1200	1210	1230	1280	1360
Appanoose	870	880	890	900	900	900	900	900	890	890	890	900	900	930	960	990	990	1000	1040	1080	1140
Audubon	780	790	800	810	810	830	840	860	870	880	890	900	910	920	940	960	980	1000	1010	1010	1060
Benton	1350	1360	1380	1390	1390	1410	1420	1460	1470	1490	1520	1570	1580	1590	1590	1600	1620	1650	1650	1650	1650
Black Hawk	1120	1130	1140	1160	1160	1190	1220	1280	1300	1320	1330	1330	1340	1370	1370	1380	1400	1410	1460	1520	1560
Boone	930	940	950	960	960	980	1000	1020	1040	1050	1080	1110	1140	1170	1180	1190	1210	1250	1280	1310	1340
Bremer	1080	1090	1110	1120	1120	1130	1150	1170	1170	1190	1210	1240	1280	1300	1300	1300	1310	1390	1390	1410	1480
Buchanan	1190	1200	1210	1220	1220	1250	1280	1340	1360	1380	1390	1390	1400	1420	1460	1490	1510	1510	1570	1620	1670
Buena Vista	960	970	980	990	990	1010	1050	1080	1120	1150	1170	1180	1190	1210	1240	1250	1250	1280	1280	1300	1300
Butler	1210	1220	1230	1250	1250	1270	1280	1310	1320	1340	1380	1420	1460	1490	1510	1510	1520	1520	1550	1590	1600
Calhoun	890	890	900	910	910	940	960	980	1010	1040	1080	1110	1170	1180	1180	1180	1190	1220	1220	1220	1250
Carroll	1180	1190	1200	1220	1220	1250	1270	1330	1350	1370	1390	1390	1400	1420	1420	1420	1430	1430	1430	1430	1440
Cass	920	930	930	940	940	940	950	970	950	980	1000	1050	1080	1100	1100	1110	1140	1150	1160	1160	1160
Cedar	1110	1120	1140	1150	1150	1160	1170	1200	1200	1220	1240	1280	1320	1330	1330	1340	1360	1400	1400	1400	1420
Cerro Gordo	880	890	900	910	910	920	930	950	950	970	1000	1020	1040	1050	1050	1060	1080	1120	1120	1120	1130
Cherokee	970	980	1000	1000	1000	1020	1050	1080	1110	1140	1170	1210	1220	1220	1220	1230	1240	1260	1260	1260	1260
Chickasaw	1060	1070	1080	1080	1080	1080	1080	1100	1080	1100	1110	1130	1170	1200	1200	1200	1210	1220	1220	1260	1350
Clarke	710	720	720	730	730	720	720	720	710	730	740	750	770	780	780	790	810	820	850	850	850
Clay	790	800	810	820	820	840	860	880	890	910	950	1000	1050	1060	1060	1070	1080	1100	1100	1100	1100
Clayton	1730	1750	1760	1780	1780	1760	1740	1740	1700	1710	1710	1710	1720	1750	1810	1830	1850	1850	1930	1990	2110
Clinton	1400	1420	1430	1440	1440	1450	1460	1490	1470	1490	1520	1550	1560	1590	1620	1640	1640	1660	1660	1680	1760
Crawford	1280	1290	1300	1320	1320	1330	1340	1370	1370	1400	1450	1490	1510	1540	1560	1560	1570	1590	1680	1680	1690
Dallas	990	1000	1010	1020	1020	1040	1050	1070	1100	1110	1140	1170	1200	1220	1220	1220	1230	1270	1270	1270	1290
Davis	930	940	950	960	960	960	960	960	940	940	940	940	950	970	990	1000	1040	1040	1090	1170	1250
Decatur	720	730	740	750	750	750	740	740	730	750	760	760	770	780	790	790	810	820	850	880	910
Delaware	1380	1390	1400	1420	1420	1430	1440	1470	1460	1460	1460	1460	1470	1500	1500	1500	1510	1530	1560	1610	1700
Des Moines	710	710	720	730	730	740	750	760	770	790	800	800	810	830	830	840	890	890	930	930	930
Dickinson	610	620	620	630	630	630	620	630	610	620	640	640	650	670	680	690	700	700	700	710	710
Dubuque	1680	1700	1720	1730	1730	1720	1710	1710	1680	1690	1690	1690	1700	1730	1730	1730	1740	1740	1780	1850	1880
Emmet	600	600	610	620	620	620	620	630	620	630	650	680	710	720	740	740	750	760	760	770	770
Fayette	1470	1490	1500	1520	1520	1530	1530	1560	1540	1570	1590	1620	1630	1660	1700	1730	1770	1780	1880	1970	2060

*Preliminary estimates

Table 1. Estimated Number of Farms 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
Floyd	930	940	950	960	960	970	990	1010	1010	1030	1050	1070	1090	1110	1120	1120	1130	1140	1170	1200	1230
Franklin	970	980	990	1000	1000	1010	1020	1040	1030	1050	1080	1120	1160	1180	1180	1190	1210	1260	1260	1260	1310
Fremont	610	620	620	630	630	660	680	690	730	750	750	760	760	780	780	790	800	830	840	840	840
Greene	850	860	870	870	870	890	920	940	970	1000	1030	1050	1060	1070	1070	1090	1100	1130	1130	1130	1130
Grundy	840	850	850	860	860	910	950	980	1050	1060	1090	1110	1120	1150	1160	1170	1180	1230	1260	1260	1270
Guthrie	1030	1040	1050	1060	1060	1040	1020	1020	980	1010	1050	1080	1110	1120	1120	1120	1130	1160	1180	1190	1280
Hamilton	880	890	900	910	910	940	970	1000	1040	1060	1080	1110	1150	1170	1190	1210	1240	1290	1290	1300	1330
Hancock	950	960	970	980	980	1000	1020	1040	1070	1090	1120	1150	1170	1190	1210	1220	1230	1280	1280	1310	1360
Hardin	990	1000	1010	1020	1020	1040	1050	1070	1080	1100	1120	1160	1200	1220	1220	1230	1250	1280	1290	1290	1290
Harrison	950	960	970	980	980	1000	1010	1030	1050	1080	1120	1160	1190	1210	1220	1240	1250	1280	1310	1320	1370
Henry	860	870	870	880	880	890	900	920	910	930	950	950	960	980	980	990	1050	1070	1120	1120	1120
Howard	950	960	970	980	980	980	970	990	960	980	990	1010	1050	1070	1070	1070	1080	1110	1110	1160	1220
Humboldt	660	670	680	680	680	700	730	750	770	780	800	820	840	860	860	870	870	900	900	900	920
Ida	730	740	750	750	750	760	780	800	800	820	840	860	870	890	890	900	900	920	930	930	960
Iowa	1040	1050	1060	1070	1070	1070	1080	1100	1080	1100	1120	1130	1140	1170	1180	1190	1200	1210	1210	1220	1280
Jackson	1400	1410	1420	1440	1440	1430	1410	1410	1380	1400	1400	1400	1410	1440	1460	1460	1470	1470	1470	1500	1570
Jasper	1340	1360	1380	1390	1390	1410	1430	1460	1480	1500	1530	1550	1580	1610	1610	1620	1630	1680	1690	1690	1690
Jefferson	810	820	830	840	840	830	820	820	790	810	830	860	890	910	920	930	1000	1010	1060	1110	1150
Johnson	1330	1340	1350	1370	1370	1380	1380	1410	1390	1410	1440	1480	1500	1520	1520	1530	1540	1560	1560	1560	1560
Jones	1150	1160	1170	1180	1180	1180	1190	1200	1190	1210	1230	1270	1300	1320	1360	1360	1360	1370	1370	1410	1470
Keokuk	1030	1040	1050	1060	1060	1060	1060	1080	1050	1070	1100	1140	1190	1210	1210	1220	1300	1310	1380	1380	1380
Kossuth	1590	1600	1620	1630	1630	1660	1680	1730	1750	1780	1820	1860	1880	1910	1920	1940	1970	2030	2030	2060	2130
Lee	930	940	950	960	960	970	980	1000	1010	1030	1050	1050	1060	1080	1080	1080	1130	1140	1200	1250	1310
Linn	1600	1620	1640	1650	1650	1670	1680	1710	1710	1740	1760	1790	1800	1820	1820	1830	1840	1860	1860	1860	1870
Louisa	600	610	620	620	620	630	630	640	640	650	670	680	700	710	710	720	780	790	830	830	830
Lucas	700	700	710	720	720	720	710	710	700	720	730	740	770	790	800	840	850	850	880	920	950
Lyon	1190	1200	1210	1220	1220	1230	1240	1270	1260	1290	1320	1360	1390	1410	1420	1420	1430	1430	1430	1440	1440
Madison	1080	1090	1100	1110	1110	1100	1090	1090	1080	1110	1120	1130	1150	1180	1200	1250	1260	1270	1320	1360	1390
Mahaska	1150	1170	1180	1190	1190	1190	1190	1210	1200	1220	1240	1250	1260	1280	1290	1290	1360	1370	1440	1470	1520
Marion	1090	1100	1110	1120	1120	1130	1140	1140	1150	1180	1190	1210	1230	1250	1250	1260	1350	1370	1420	1420	1420
Marshall	1030	1040	1050	1060	1060	1070	1080	1100	1090	1110	1130	1160	1190	1220	1230	1230	1240	1240	1250	1280	1320
Mills	580	590	600	600	600	610	630	640	650	670	670	680	680	690	700	740	750	790	800	800	800
Mitchell	840	850	860	870	870	890	920	950	960	980	990	1000	1010	1020	1020	1030	1050	1060	1090	1100	1140

Table 1. Estimated Number of Farms 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
Monona	850	860	870	880	880	880	880	900	870	880	910	920	930	950	970	1000	1000	1050	1050	1050	1080
Monroe	700	710	720	720	720	730	740	740	750	750	750	750	760	770	780	810	830	830	860	900	930
Montgomery	640	650	660	660	660	670	690	700	710	730	740	760	760	780	780	790	790	790	800	820	840
Muscatine	830	840	840	850	850	860	880	910	920	930	940	970	1000	1010	1010	1030	1040	1050	1050	1050	1050
O'Brien	1130	1140	1150	1160	1160	1190	1200	1230	1260	1290	1320	1330	1340	1360	1360	1360	1370	1380	1380	1380	1380
Osceola	730	740	740	750	750	750	750	770	750	770	790	820	840	850	850	850	860	860	860	870	870
Page	960	970	980	990	990	1000	1010	1030	1030	1040	1040	1050	1050	1070	1070	1080	1090	1160	1170	1170	1170
Palo Alto	880	890	900	900	900	910	930	950	950	980	1000	1010	1020	1040	1050	1070	1070	1100	1100	1110	1110
Plymouth	1650	1660	1680	1700	1700	1720	1730	1770	1770	1810	1830	1870	1880	1900	1910	1920	1930	1950	1950	1970	1970
Pocahontas	900	910	920	930	930	950	970	990	1010	1040	1070	1100	1110	1130	1140	1160	1170	1180	1180	1190	1190
Polk	870	880	890	890	890	920	950	980	1020	1040	1060	1080	1100	1120	1140	1140	1150	1150	1170	1240	1340
Pottawattamie	1430	1440	1460	1470	1470	1520	1560	1610	1670	1700	1730	1780	1810	1850	1900	1900	1900	1900	1920	1960	2000
Poweshiek	1040	1050	1060	1070	1070	1070	1070	1090	1060	1080	1100	1130	1140	1170	1180	1190	1200	1220	1250	1270	1300
Ringgold	740	750	760	770	770	750	730	730	710	730	740	750	770	800	810	820	860	870	900	910	930
Sac	960	970	970	980	980	1000	1020	1050	1060	1090	1120	1140	1150	1160	1160	1160	1160	1190	1190	1190	1240
Scott	910	920	930	940	940	950	970	990	990	1010	1030	1060	1090	1110	1110	1120	1130	1170	1170	1170	1170
Shelby	1080	1090	1100	1110	1110	1130	1160	1190	1200	1230	1270	1300	1320	1340	1340	1340	1350	1370	1370	1370	1370
Sioux	1970	1990	2010	2030	2030	2040	2040	2080	2050	2070	2090	2100	2100	2130	2130	2140	2150	2200	2200	2200	2200
Story	1000	1010	1020	1030	1030	1060	1100	1140	1160	1180	1210	1230	1240	1250	1250	1260	1280	1340	1360	1360	1360
Tama	1350	1360	1370	1390	1390	1400	1400	1430	1430	1450	1480	1480	1490	1530	1550	1560	1600	1630	1660	1700	1740
Taylor	800	800	810	820	820	810	800	800	780	800	820	850	880	900	940	950	960	970	980	1010	1030
Union	710	720	720	730	730	720	720	720	700	720	730	740	770	780	780	790	860	870	900	900	900
Van Buren	810	820	830	840	840	830	830	830	800	820	840	850	880	900	910	930	970	990	1040	1080	1110
Wapello	820	820	830	840	840	850	880	900	910	930	950	950	960	970	1020	1020	1040	1040	1090	1240	1380
Warren	1260	1270	1280	1300	1300	1300	1310	1310	1320	1340	1360	1370	1390	1410	1410	1420	1470	1480	1530	1530	1530
Washington	1110	1120	1130	1140	1140	1150	1160	1200	1180	1210	1230	1230	1240	1260	1260	1280	1340	1350	1420	1420	1420
Wayne	780	790	800	800	800	790	780	780	760	780	790	800	820	830	840	840	910	920	950	950	950
Webster	1050	1060	1070	1080	1080	1120	1160	1200	1250	1260	1280	1310	1350	1370	1370	1380	1390	1420	1430	1430	1430
Winnebago	710	710	710	720	720	730	740	760	760	770	790	810	840	860	870	880	910	930	930	930	960
Winneshiek	1610	1630	1650	1660	1660	1660	1660	1690	1660	1690	1700	1700	1710	1750	1780	1790	1820	1850	1870	1930	2010
Woodbury	1350	1360	1380	1390	1390	1390	1390	1410	1370	1400	1450	1500	1580	1600	1630	1630	1640	1660	1700	1780	1930
Worth	720	730	740	740	740	730	710	710	680	690	730	760	800	810	830	840	860	870	870	880	910
Wright	820	830	830	850	850	860	880	900	900	920	940	970	1010	1020	1030	1040	1070	1090	1100	1150	1210

State of Iowa 100000 101000 102000 103000 103000 104000 105000 107000 107000 109000 111000 113000 115000 117000 118000 119000 121000 123000 125000 127000 130000

Table 2. Estimated Average Size (in acres) of Farms 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	393	389	385	382	382	378	374	366	363	353	346	343	340	331	331	329	323	317	314	313	309
Adams	392	392	388	383	283	383	378	372	378	368	368	363	364	354	354	355	350	341	337	338	340
Allamakee	341	338	336	334	337	337	337	334	343	337	334	334	332	326	318	319	313	311	306	295	279
Appanoose	328	324	321	319	319	319	319	319	322	325	325	322	323	312	302	294	294	291	280	270	258
Audubon	355	351	347	343	343	334	330	323	319	315	312	308	306	303	296	291	285	279	276	277	266
Benton	317	315	311	310	311	307	305	296	294	292	286	277	276	274	274	273	270	265	265	266	267
Black Hawk	272	269	268	264	264	257	251	239	236	234	232	232	231	226	226	225	222	220	213	205	201
Boone	357	353	350	348	345	338	331	325	319	321	312	304	297	289	287	285	280	272	265	260	256
Bremer	238	235	232	231	232	230	226	222	222	219	215	210	204	201	201	201	200	188	188	186	178
Buchanan	289	286	285	283	284	277	270	258	254	251	249	249	248	244	238	234	230	230	222	215	210
Buena Vista	364	360	357	354	355	348	335	325	314	306	301	298	297	292	285	283	283	276	276	273	275
Butler	289	287	286	282	282	277	275	269	267	263	256	249	243	238	235	235	234	234	229	224	224
Calhoun	392	392	389	385	385	373	365	358	347	338	326	317	302	299	299	300	297	290	290	291	286
Carroll	295	293	291	287	287	280	276	264	260	256	253	253	252	248	248	249	247	247	247	248	248
Cass	375	371	372	369	369	369	365	357	365	354	347	330	322	316	316	315	306	304	301	302	304
Cedar	314	312	307	305	306	303	300	293	293	289	284	275	268	265	265	264	260	253	253	254	252
Cerro Gordo	377	372	370	366	369	365	362	354	354	349	338	332	326	323	323	321	315	304	304	305	304
Cherokee	365	361	355	355	355	348	338	329	320	312	304	294	293	293	293	291	289	284	284	285	287
Chickasaw	289	286	284	284	283	283	283	277	283	277	275	270	262	255	255	256	254	252	252	244	229
Clarke	368	363	365	361	362	367	367	367	372	362	357	352	344	340	340	336	328	324	313	314	316
Clay	433	428	423	420	421	411	401	392	388	380	364	346	330	327	327	325	322	316	316	317	319
Clayton	267	264	263	261	261	264	267	267	274	272	272	272	271	267	258	256	253	253	243	236	224
Clinton	290	286	285	284	284	282	280	275	278	275	269	264	263	258	253	251	251	248	248	246	236
Crawford	344	342	340	335	336	333	331	323	323	317	306	298	295	289	286	287	285	281	266	267	267
Dallas	343	340	338	336	339	332	329	323	314	311	303	295	289	284	284	285	283	274	274	275	272
Davis	331	327	325	322	327	327	327	327	334	330	330	330	328	321	315	313	300	300	287	268	252
Decatur	450	443	439	434	433	433	439	439	445	433	428	428	423	418	413	414	404	399	385	373	363
Delaware	250	248	247	244	246	244	242	237	239	239	239	239	238	233	233	234	232	229	225	219	208
Des Moines	305	305	301	298	299	295	291	287	284	277	273	273	271	264	264	262	247	247	236	237	238
Dickinson	361	355	356	353	357	357	362	357	368	366	354	354	350	339	334	331	326	326	326	322	324
Dubuque	205	203	201	200	201	203	204	204	207	206	206	206	206	202	202	203	201	201	197	190	188
Emmet	397	397	391	386	388	388	388	381	388	382	370	354	340	336	326	327	323	319	319	316	317
Fayette	299	295	294	290	290	288	288	283	286	281	277	272	271	267	260	257	251	249	236	226	217

*Preliminary estimates

Table 2. Estimated Average Size (in acres) of Farms 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
Floyd	324	320	317	315	315	312	306	300	300	295	289	284	279	274	272	273	270	268	261	255	250
Franklin	366	362	360	357	357	354	350	344	347	341	332	320	310	304	304	303	298	286	286	287	277
Fremont	508	499	500	494	495	472	459	452	427	417	417	412	413	402	402	398	393	379	375	376	378
Greene	414	409	406	407	407	398	385	377	365	354	344	338	335	332	332	327	324	315	315	316	318
Grundy	370	366	367	364	364	344	329	319	298	295	287	282	280	273	270	269	267	256	250	250	250
Guthrie	351	348	345	343	343	350	357	357	371	361	347	337	329	326	326	327	324	316	311	309	289
Hamilton	397	392	389	385	385	373	361	351	337	331	325	316	306	301	296	291	284	273	273	272	268
Hancock	365	361	359	356	356	349	342	336	326	321	313	304	300	295	290	289	286	275	275	270	261
Hardin	348	344	342	339	339	333	330	324	321	316	310	299	290	285	285	284	279	273	271	272	273
Harrison	440	436	432	429	431	422	418	410	402	394	379	366	358	352	349	345	342	334	326	325	315
Henry	302	298	299	297	298	294	291	285	288	282	276	276	274	268	268	267	251	247	236	236	238
Howard	304	301	299	296	294	294	297	291	300	294	291	286	276	270	270	271	269	261	261	251	240
Humboldt	403	397	392	393	393	382	366	356	347	343	334	326	319	312	312	309	309	299	299	300	295
Ida	365	361	356	357	357	353	344	335	335	327	320	312	309	302	302	300	300	293	290	291	284
Iowa	343	340	337	335	337	337	334	328	334	328	322	320	318	309	307	305	303	300	300	299	286
Jackson	268	266	264	262	263	265	268	268	274	271	271	271	269	264	260	261	259	259	259	255	245
Jasper	320	315	312	311	316	311	307	300	296	293	287	283	279	274	274	273	271	263	262	262	264
Jefferson	318	314	312	310	312	316	320	320	332	325	317	306	297	290	287	285	265	262	250	239	233
Johnson	241	240	239	237	241	239	239	234	237	240	235	228	226	223	223	222	221	218	218	218	220
Jones	301	298	296	294	295	295	293	290	293	288	284	275	269	265	257	258	258	256	256	250	241
Keokuk	342	338	336	334	336	336	336	330	339	333	324	313	300	295	295	294	276	274	260	261	262
Kossuth	375	372	369	367	367	361	356	346	342	337	330	323	320	315	314	311	307	297	297	294	286
Lee	314	310	308	306	307	304	301	295	292	286	281	281	279	274	274	275	262	260	247	238	228
Linn	237	234	232	232	235	232	230	226	226	224	221	218	217	215	215	214	213	211	211	211	211
Louisa	382	376	371	373	374	368	368	363	363	359	348	343	334	330	330	326	301	297	283	284	285
Lucas	361	361	358	347	349	349	354	354	359	355	350	345	333	324	320	306	302	302	292	280	273
Lyon	303	301	299	297	297	295	293	286	288	282	275	267	262	258	257	257	256	256	256	255	256
Madison	321	318	316	314	313	316	319	319	322	313	310	307	303	295	290	280	277	275	265	258	254
Mahaska	299	293	292	290	292	292	292	287	289	288	283	281	279	275	273	274	259	258	245	241	234
Marion	275	273	271	270	271	269	266	266	264	262	259	255	252	248	248	247	230	227	219	219	221
Marshall	328	325	324	323	325	322	319	313	316	310	305	297	290	283	281	282	279	279	277	271	265
Mills	455	448	441	442	445	438	424	418	411	399	399	393	394	388	383	363	358	340	336	337	339
Mitchell	340	336	333	330	331	323	313	303	300	295	292	289	287	284	284	282	277	274	266	265	257

Table 2. Estimated Average Size (in acres) of Farms 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
Monona	491	485	481	476	476	476	476	465	481	479	463	458	454	445	436	424	424	404	404	405	396
Monroe	374	369	365	366	367	362	357	357	352	352	352	352	349	344	340	328	320	320	309	296	288
Montgomery	403	396	392	393	395	389	377	372	367	357	352	343	344	335	335	332	332	332	328	321	315
Muscatine	299	295	296	293	294	291	284	275	272	269	266	258	251	249	249	245	242	240	240	241	242
O'Brien	311	308	306	304	304	296	294	286	280	273	267	265	264	260	260	261	259	257	257	258	259
Osceola	335	330	331	327	327	327	327	319	327	320	312	301	294	291	291	292	288	288	288	286	288
Page	339	335	333	330	331	327	324	318	318	316	316	313	314	308	308	306	303	285	283	283	285
Palo Alto	393	388	385	386	387	383	375	367	367	356	349	345	343	336	333	328	328	319	219	317	319
Plymouth	319	318	315	312	313	310	308	301	301	295	292	286	285	282	281	280	278	276	276	274	275
Pocahontas	392	388	385	381	381	373	365	358	351	342	332	323	321	315	313	308	306	303	303	301	303
Polk	276	273	273	277	284	275	266	258	248	250	245	241	237	233	229	229	227	227	224	212	197
Pottawattamie	388	385	380	379	381	368	359	348	335	331	325	316	311	305	297	298	298	298	294	289	285
Poweshiek	341	337	335	333	334	334	334	327	337	331	325	316	315	306	304	302	300	295	288	284	279
Ringgold	453	447	443	437	438	450	462	462	475	463	456	450	440	423	418	414	395	390	377	374	368
Sac	366	362	363	360	361	354	347	337	333	326	317	311	310	307	307	308	308	300	300	301	291
Scott	256	253	252	250	253	251	245	240	240	237	232	225	220	216	216	215	213	205	205	206	207
Shelby	336	333	331	329	329	323	315	307	304	297	288	281	278	274	274	274	272	268	268	269	271
Sioux	236	234	232	231	230	229	229	225	228	226	224	223	224	220	220	220	219	214	214	215	216
Story	327	324	322	320	322	313	302	291	286	283	276	271	270	268	268	266	262	251	247	248	249
Tama	317	314	313	315	315	313	313	306	306	302	296	296	295	287	283	282	275	270	265	260	255
Taylor	414	414	410	406	406	411	416	416	427	417	406	392	380	371	356	353	349	346	342	333	328
Union	360	355	357	354	356	361	361	361	371	361	356	351	338	334	334	331	304	300	290	291	293
Van Buren	359	355	352	349	352	357	357	357	370	362	353	349	338	330	327	321	308	301	287	277	271
Wapello	300	300	297	295	297	293	283	277	274	268	263	263	261	258	245	246	241	241	230	203	184
Warren	260	258	257	254	255	255	253	253	251	249	246	244	241	238	238	237	229	227	220	220	222
Washington	306	303	301	299	301	298	296	286	291	284	280	280	278	274	274	270	258	256	244	245	246
Wayne	412	407	403	403	404	409	414	414	425	415	410	405	396	391	387	388	358	354	343	334	346
Webster	399	395	393	390	392	378	365	352	338	336	331	324	315	310	310	309	307	300	298	299	301
Winnebago	338	338	339	335	336	331	326	318	318	316	308	300	291	284	280	278	269	263	263	264	257
Winneshek	258	255	253	252	253	253	253	248	253	248	247	247	246	240	236	236	232	228	226	219	212
Woodbury	372	370	365	366	367	367	367	362	372	364	352	340	324	320	314	315	313	309	302	289	268
Worth	333	328	325	326	327	331	341	341	356	352	333	319	304	301	293	291	284	281	281	278	271
Wright	431	426	427	418	418	413	404	395	395	387	379	367	353	350	347	344	334	328	325	312	298
State of Iowa	332	329	326	324	325	322	319	313	313	308	303	297	293	288	286	284	279	275	270	267	262

Table 3. Percentage Change in Number and Size (in Acres) of Farms in Iowa Counties, 1975-1995.

County	Farms					Acres				
	1975- 1995	1990- 1995	1985- 1990	1980- 1985	1975- 1980	1975- 1995	1990- 1995	1985- 1990	1980- 1985	1975- 1980
Adair	-23.1	-4.3	-8.7	-5.5	-6.8	27.2	4.0	9.2	5.2	6.5
Adams	-15.2	-2.9	-4.2	-4.0	-5.1	15.3	2.3	4.1	3.7	4.4
Allamakee	-20.6	-2.7	-0.9	-5.1	-13.2	22.2	1.2	0.9	4.7	14.3
Appanoose	-23.7	-3.3	1.1	-10.1	-13.2	27.1	2.8	-1.8	10.5	14.0
Audubon	-26.4	-6.0	-6.7	-7.3	-9.4	33.5	6.3	7.1	7.2	9.4
Benton	-18.2	-4.3	-7.2	-5.0	-3.0	18.7	3.3	7.3	4.8	2.2
Black Hawk	-28.2	-5.9	-10.5	-3.6	-11.5	35.3	5.8	10.8	3.1	11.9
Boone	-30.6	-5.1	-9.3	-9.2	-11.2	39.5	5.6	8.3	9.5	11.3
Bremer	-27.0	-4.4	-6.6	-6.9	-12.2	33.7	3.5	7.0	7.0	12.9
Buchanan	-28.7	-4.8	-10.1	-6.7	-10.8	37.6	4.3	11.2	6.4	11.4
Buena Vista	-26.2	-5.0	-13.7	-6.4	-3.8	32.4	4.6	15.6	6.4	2.9
Butler	-24.4	-4.7	-8.0	-8.6	-5.6	29.0	4.3	8.2	8.9	4.9
Calhoun	-28.8	-5.3	-13.0	-8.5	-5.6	37.1	5.1	14.4	8.7	4.9
Carroll	-18.1	-5.6	-10.1	-2.1	-1.4	19.0	5.4	10.7	1.6	0.4
Cass	-20.7	-2.1	-6.0	-9.9	-4.3	23.4	1.6	6.3	10.2	3.6
Cedar	-21.8	-4.3	-6.5	-7.5	-5.6	24.6	3.6	6.7	7.6	4.8
Cerro Gordo	-22.1	-4.3	-8.0	-5.7	-6.2	24.0	3.3	8.0	5.3	5.6
Cherokee	-23.0	-4.9	-12.8	-4.9	-2.4	27.2	4.9	14.5	4.5	1.4
Chickasaw	-21.5	-1.9	-2.7	-7.5	-11.1	26.2	2.1	2.9	7.4	11.8
Clarke	-16.5	-1.4	-2.7	-6.3	-7.1	16.5	0.3	2.8	6.2	6.3
Clay	-28.2	-6.0	-11.6	-11.2	-2.7	35.7	5.4	12.9	12.0	1.9
Clayton	-18.0	-1.7	2.9	-6.6	-13.3	19.2	1.1	-2.9	6.2	14.3
Clinton	-20.5	-3.4	-4.6	-7.3	-6.8	22.9	2.8	4.8	7.2	6.4
Crawford	-24.3	-3.8	-8.3	-7.0	-7.7	28.8	3.3	8.8	6.6	7.5
Dallas	-23.3	-4.8	-8.8	-6.6	-5.4	26.1	3.3	9.6	6.3	4.8
Davis	-25.6	-3.1	2.1	-6.0	-20.0	31.3	1.2	-0.9	5.4	24.2
Decatur	-20.9	-4.0	-1.3	-3.8	-13.2	24.0	3.9	1.2	3.4	14.0
Delaware	-18.8	-3.5	-2.1	-2.7	-11.8	20.2	2.5	2.1	2.1	12.5
Des Moines	-23.7	-4.1	-7.5	-4.8	-9.7	28.2	3.4	8.1	4.2	10.1
Dickinson	-14.1	-3.2	-1.6	-7.2	-2.8	11.4	1.1	0.8	7.0	2.2
Dubuque	-10.6	-2.3	1.8	-2.3	-8.0	9.0	1.0	-1.5	1.5	8.0
Emmet	-22.1	-3.2	-4.6	-12.2	-3.9	25.2	2.3	4.9	13.2	3.2
Fayette	-28.6	-3.9	-3.8	-8.1	-16.0	37.8	3.8	4.0	7.8	18.4
Floyd	-24.4	-4.1	-7.6	-6.2	-8.9	29.6	3.8	8.0	5.9	9.2
Franklin	-26.0	-4.0	-6.5	-9.2	-9.2	32.1	3.4	6.6	9.6	9.4
Fremont	-27.4	-7.6	-12.0	-5.1	-6.0	34.4	7.6	13.2	4.8	5.3
Greene	-24.8	-4.5	-13.6	-5.5	-3.5	30.2	4.0	15.7	5.2	2.8
Grundy	-33.9	-7.7	-16.5	-6.8	-7.9	48.0	7.6	19.9	6.7	7.6
Guthrie	-19.5	-1.0	-1.0	-6.2	-12.5	21.5	0.3	0.9	6.1	13.2
Hamilton	-33.8	-6.4	-13.0	-10.7	-9.0	48.1	6.4	14.8	11.7	8.6
Hancock	-30.1	-5.0	-10.7	-8.2	-10.3	39.8	4.6	11.5	8.3	10.7
Hardin	-23.3	-4.8	-7.1	-8.9	-4.6	27.5	4.5	7.4	9.2	4.0
Harrison	-30.7	-5.0	-10.7	-9.7	-9.5	39.7	4.3	11.3	9.9	9.5
Henry	-23.2	-3.4	-6.3	-4.0	-11.6	26.9	2.7	6.5	3.4	12.2
Howard	-22.1	-3.1	-1.0	-7.5	-12.3	26.7	3.4	1.0	7.4	12.9
Humboldt	-28.3	-5.7	-12.5	-8.0	-5.4	36.6	5.5	14.4	8.1	4.8
Ida	-24.0	-3.9	-9.5	-6.7	-6.2	28.5	3.4	10.3	6.7	5.6
Iowa	-18.8	-2.8	-4.5	-5.9	-7.0	19.9	1.8	4.7	5.6	6.6
Jackson	-10.8	-2.1	2.1	-4.1	-7.0	9.4	1.1	-2.2	3.8	6.5
Jasper	-20.7	-5.0	-7.8	-5.6	-4.1	21.2	2.9	8.4	5.1	3.4

Table 3. Percentage Change in Number and Size (in Acres) of Farms in Iowa Counties, 1975-1995 (continued).

County	Farms					Acres				
	1975-1995	1990-1995	1985-1990	1980-1985	1975-1980	1975-1995	1990-1995	1985-1990	1980-1985	1975-1980
Jefferson	-29.6	-2.4	0.0	-10.8	-19.1	36.5	0.6	-0.3	11.2	22.3
Johnson	-14.7	-3.6	-4.2	-5.9	-1.9	9.5	0.8	1.7	5.9	0.9
Jones	-21.8	-2.5	-4.1	-9.6	-7.5	24.9	2.0	3.9	10.1	7.0
Keokuk	-25.4	-2.8	-3.6	-9.8	-11.6	30.5	1.8	3.7	10.2	12.2
Kossuth	-25.4	-4.2	-8.8	-6.2	-8.9	31.1	3.9	9.4	6.1	8.7
Lee	-29.0	-4.1	-7.6	-2.8	-17.6	37.7	3.3	8.2	2.2	20.6
Linn	-14.4	-4.2	-5.1	-3.8	-2.1	12.3	2.2	5.0	3.3	1.4
Louisa	-27.7	-4.8	-6.0	-6.9	-13.2	34.0	3.8	5.7	6.8	14.4
Lucas	-26.3	-2.8	-1.4	-13.1	-11.6	32.2	3.4	-0.3	14.4	12.1
Lyon	-17.4	-3.3	-6.8	-7.0	-1.4	18.4	2.7	7.3	7.0	0.4
Madison	-22.3	-1.8	-1.8	-10.4	-10.1	26.4	1.6	1.9	10.7	10.2
Mahaska	-24.3	-3.4	-4.0	-3.9	-15.1	27.8	2.4	3.2	3.3	17.1
Marion	-23.2	-3.5	-5.0	-5.6	-11.3	24.4	2.2	3.9	4.9	11.8
Marshall	-22.0	-3.7	-5.3	-8.1	-6.8	23.8	1.9	5.6	8.2	6.4
Mills	-27.5	-4.9	-9.0	-9.5	-7.5	34.2	3.9	9.8	9.9	7.1
Mitchell	-26.3	-5.6	-10.1	-3.9	-9.6	32.3	5.3	10.6	3.6	9.7
Monona	-21.3	-3.4	-3.3	-9.0	-7.4	24.0	3.2	2.8	9.2	7.1
Monroe	-24.7	-4.1	-2.7	-7.4	-12.9	29.9	3.3	2.8	7.3	13.9
Montgomery	-23.8	-4.5	-9.5	-6.3	-6.0	27.9	3.6	10.5	6.0	5.4
Muscatine	-21.0	-3.5	-8.5	-8.7	-1.9	23.6	2.7	9.4	8.6	1.2
O'Brien	-18.1	-5.0	-9.8	-2.9	-1.4	20.1	5.1	10.9	2.3	0.8
Osceola	-16.1	-2.7	-5.1	-7.1	-2.3	16.3	2.4	4.8	6.8	1.4
Page	-17.9	-4.0	-3.8	-3.7	-7.7	18.9	3.7	3.5	3.3	7.4
Palo Alto	-20.7	-3.3	-9.0	-6.5	-3.6	23.2	2.6	9.7	6.4	2.8
Plymouth	-16.2	-4.1	-6.0	-4.7	-2.5	16.0	2.9	6.2	4.3	1.8
Pocahontas	-24.4	-5.3	-11.2	-7.8	-2.5	29.4	5.1	12.3	7.8	1.6
Polk	-35.1	-5.4	-13.2	-7.0	-14.9	40.1	0.4	12.2	7.0	16.2
Pottawattamie	-28.5	-5.9	-12.1	-9.0	-5.0	36.1	5.4	13.2	9.1	4.6
Poweshiek	-20.0	-2.8	-2.7	-7.6	-8.5	22.2	2.1	2.8	7.6	8.2
Ringgold	-20.4	-1.3	1.4	-9.8	-11.8	23.1	0.7	-1.3	10.1	12.5
Sac	-22.6	-4.0	-10.7	-3.4	-6.4	25.8	3.4	11.7	2.9	5.8
Scott	-22.2	-4.2	-7.8	-8.0	-4.3	23.7	2.0	8.2	7.9	3.9
Shelby	-21.2	-4.4	-11.0	-5.2	-2.2	24.0	4.0	12.2	5.1	1.1
Sioux	-10.5	-3.4	-2.4	-2.3	-2.7	9.3	3.1	2.2	1.8	1.8
Story	-26.5	-5.7	-12.4	-4.0	-7.4	31.3	4.5	13.4	3.8	6.8
Tama	-22.4	-3.6	-5.4	-5.1	-10.3	24.3	1.3	5.7	5.0	10.6
Taylor	-22.3	-1.2	-1.2	-13.7	-7.8	26.2	0.7	1.2	15.0	7.6
Union	-21.1	-1.4	-1.4	-7.6	-12.2	22.9	-0.3	1.4	7.6	13.0
Van Buren	-27.0	-2.4	-1.2	-9.7	-16.2	32.5	0.6	1.1	10.0	18.4
Wapello	-40.6	-3.5	-10.5	-6.9	-26.1	63.0	2.4	11.4	6.9	33.7
Warren	-17.6	-3.1	-4.4	-4.2	-7.2	17.1	2.0	3.7	3.8	6.8
Washington	-21.8	-3.5	-6.5	-3.9	-9.9	24.4	2.7	6.4	3.7	9.8
Wayne	-17.9	-1.3	0.0	-6.0	-11.6	19.1	0.7	-0.2	5.7	12.1
Webster	-26.6	-6.3	-12.5	-7.2	-3.5	32.6	5.6	14.2	7.1	2.7
Winnebago	-26.0	-2.7	-7.6	-10.2	-8.3	31.5	2.1	7.5	10.8	8.2
Winneshiek	-19.9	-3.0	-2.4	-5.0	-11.0	21.7	2.0	2.4	4.7	11.3
Woodbury	-30.1	-2.9	-4.1	-11.0	-15.5	38.8	1.4	4.3	11.8	17.5
Worth	-20.9	-1.4	0.0	-13.1	-7.7	22.9	0.6	-0.6	14.4	7.4
Wright	-32.2	-4.7	-8.5	-9.6	-14.0	44.6	4.4	9.0	10.2	15.4
State of Iowa	-23.1	-3.8	-6.3	-6.8	-8.5	26.7	3.1	6.3	6.7	8.4

Change in Size of Farms

As the number of farms has declined, the average size has increased (Table 2). This occurred in all counties from 1975 to 1995. Only seven counties gained fewer than 40 acres, while 39 counties added at least 80 acres to the average size between 1975 and 1995. On a short-term basis, of course, changes tend to be small. From 1990 to 1995, for example, 54 counties changed by 10 or fewer acres in average size.

Average farm size increased by 26.7 percent from 1975 to 1995 (Table 3). Four counties (Dubuque, Jackson, Johnson, Sioux) reported increases less than 10 percent. Only Wapello (+63.0%) had an increase of at least 50 percent; Grundy, Hamilton, Polk, and Wright had averages at least 40 percent higher in 1995 than in 1975. Percentage gains for 44 counties were highest in the late 1970s.

Figure 1. Average farm size (in acres), 1995.

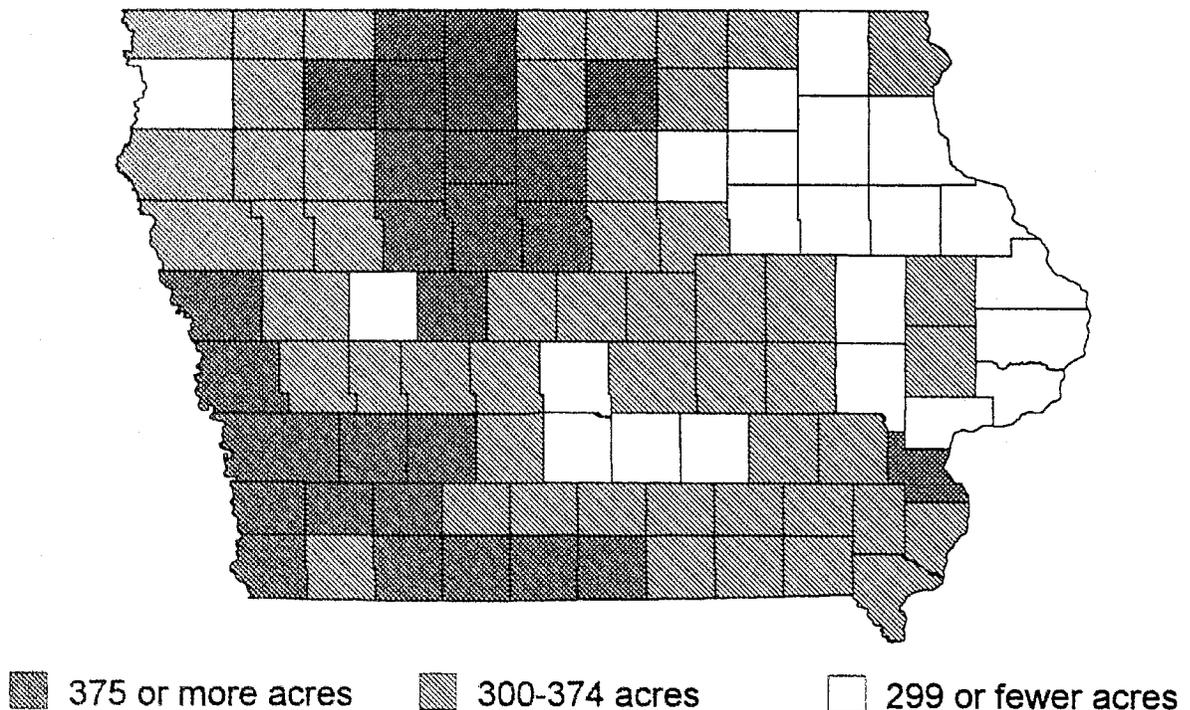


Figure 2. Number of farms in Iowa, 1975-1995.

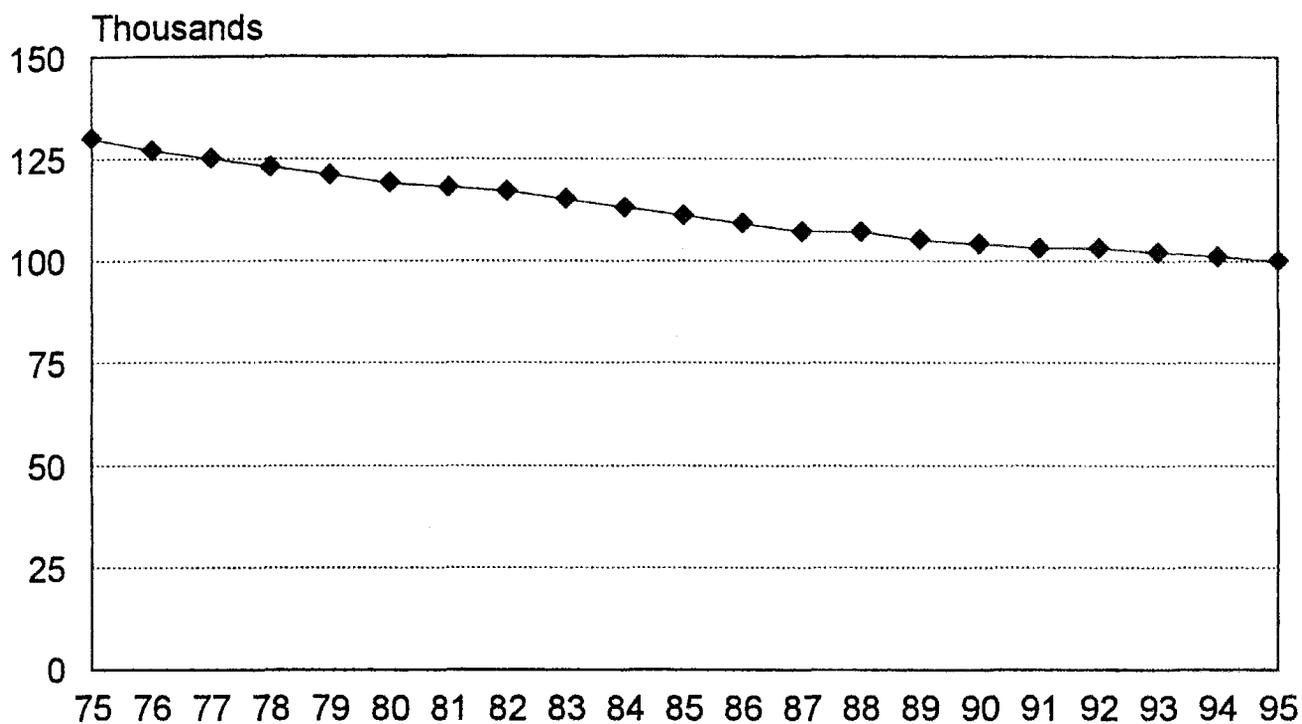
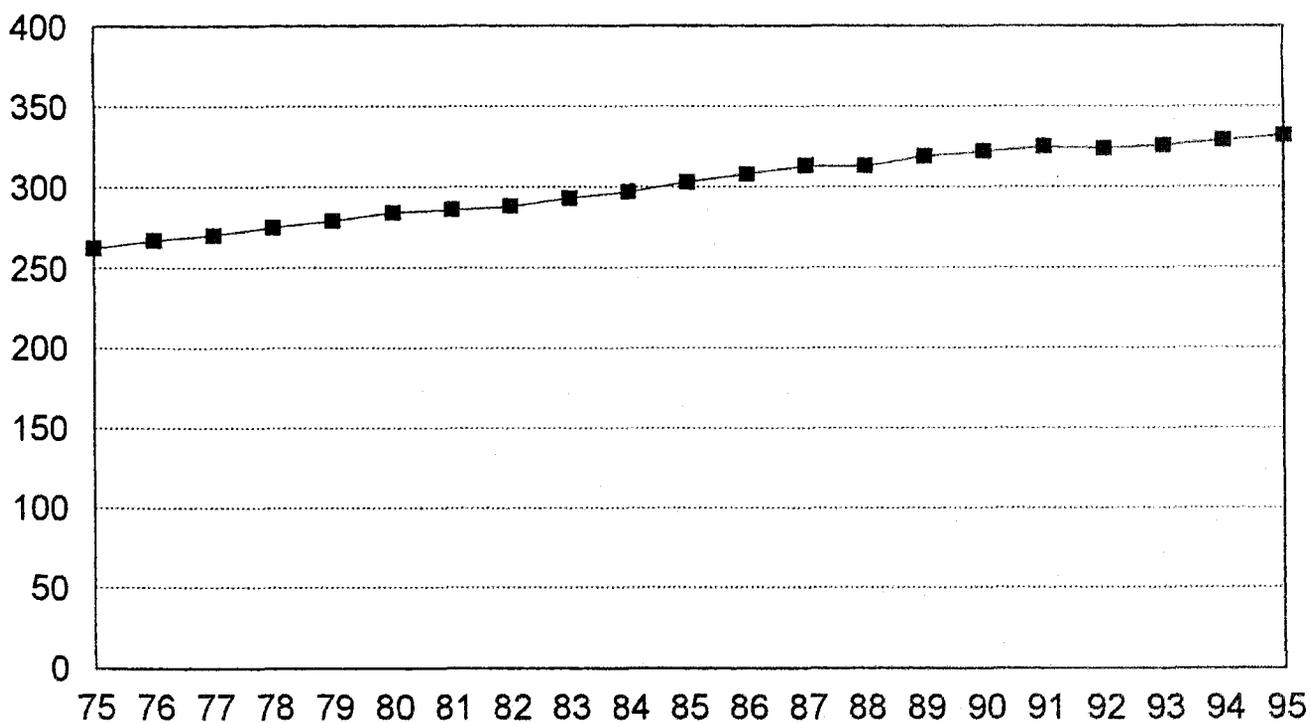
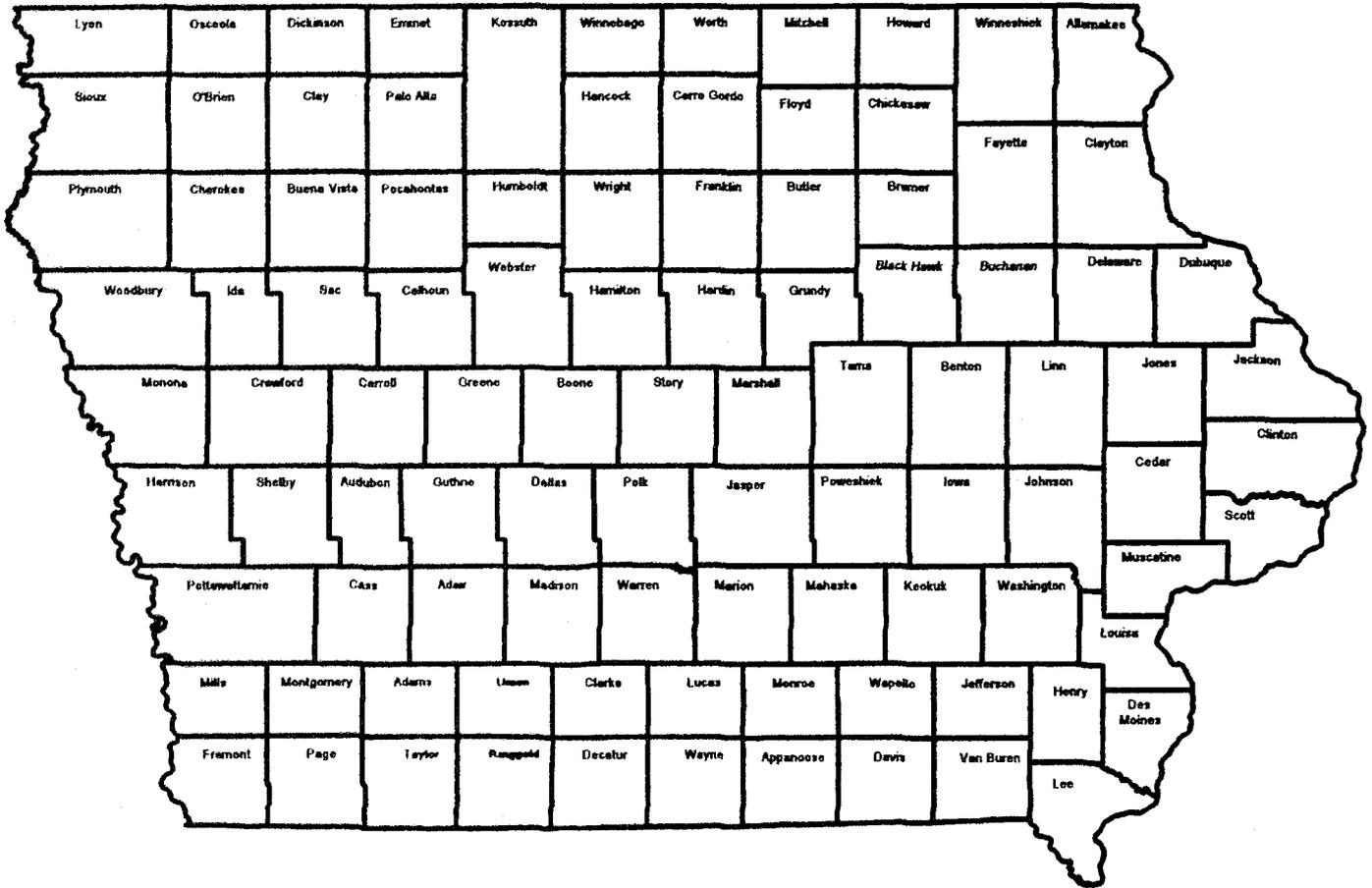


Figure 3. Average size (in acres) of farms in Iowa, 1975-1995.





Value of Farm Land in Iowa's Counties:

1950-1995

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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 the 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 \$1,455 in 1995 (Figure 1).

The value of an acre of farm land varies considerably across Iowa. In 1995, for example, the value was less than \$700 in Appanoose, Decatur, Lucas, Ringgold, and Wayne. Ten additional counties had values below \$1,000 per acre; they were clustered in southern Iowa (Figure 3). In contrast, 50 counties averaged \$1,500 or more; nine (Cedar, Grundy, Hamilton, Humboldt, O'Brien, Scott, Story, Webster, Wright) were above \$1,900, with Hamilton (\$2,026), Scott (\$2,332), and Wright (\$2,014) greater than \$2,000. 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 similarity between the 1950 (\$1,349) and 1995 (\$1,455) 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 1. Value (in \$ per acre) of Farm Land in Iowa Counties, 1950-1995.

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

Table 1. Value (in \$ per acre) of Farm Land in Iowa Counties, 1950-1995 (continued).

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

Table 1. Value (in \$ per acre) of Farm Land in Iowa Counties, 1950-1995 (continued).

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

County	1990- 1995	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1995	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	27.7	-45.0	333.4	83.3	10.5	Jefferson	28.3	-35.4	352.4	62.7	14.9
Adams	24.4	-41.4	350.9	71.2	6.9	Johnson	31.2	-40.4	363.7	57.4	24.6
Allamakee	10.9	-37.5	426.6	60.7	26.1	Jones	21.0	-41.1	402.5	56.1	26.5
Appanoose	22.5	-44.6	339.8	90.7	11.3	Keokuk	24.8	-33.9	347.5	49.4	14.2
Audubon	18.4	-37.2	391.6	58.2	9.7	Kossuth	17.8	-42.5	461.9	55.0	22.9
Benton	19.6	-41.1	375.1	56.7	20.5	Lee	30.6	-46.2	345.0	75.3	26.0
Black Hawk	18.3	-46.1	408.5	59.4	35.0	Linn	25.2	-41.2	388.6	57.9	23.8
Boone	19.6	-40.1	375.6	59.8	20.5	Louisa	24.4	-37.4	373.7	64.8	23.8
Bremer	18.0	-41.4	437.9	57.3	38.3	Lucas	19.9	-44.0	328.0	81.8	14.6
Buchanan	18.0	-41.1	441.5	64.3	34.2	Lyon	12.2	-40.0	420.1	51.0	11.7
Buena Vista	12.9	-39.7	424.5	47.0	14.2	Madison	23.0	-38.9	353.2	80.7	8.4
Butler	18.8	-46.0	436.8	57.2	31.6	Mahaska	26.5	-38.0	337.6	60.8	17.1
Calhoun	11.8	-40.0	393.8	55.6	18.1	Marion	25.7	-43.7	334.6	74.1	20.4
Carroll	9.3	-37.2	412.7	50.6	9.0	Marshall	20.3	-39.6	371.9	56.1	16.5
Cass	25.2	-41.9	356.7	71.5	7.3	Mills	30.6	-47.1	350.7	78.6	6.4
Cedar	26.7	-42.4	362.3	54.8	29.9	Mitchell	21.5	-49.1	444.4	60.8	38.7
Cerro Gordo	18.9	-47.5	443.7	61.2	35.6	Monona	17.6	-34.7	387.5	61.6	6.4
Cherokee	14.6	-39.3	410.8	53.2	13.5	Monroe	26.9	-39.1	342.5	64.4	12.3
Chickasaw	17.6	-42.3	450.2	64.7	30.2	Montgomery	26.4	-48.2	326.0	77.2	5.0
Clarke	22.3	-44.2	312.1	79.7	16.3	Muscatine	28.2	-40.8	368.8	60.6	25.8
Clay	13.9	-38.6	434.0	51.1	18.1	O'Brien	12.4	-37.5	437.3	51.2	14.6
Clayton	15.9	-38.3	382.6	51.8	27.8	Osceola	12.1	-38.1	433.4	53.6	14.8
Clinton	20.0	-42.4	405.4	61.5	29.9	Page	25.8	-50.1	314.8	73.4	4.6
Crawford	13.9	-37.8	411.9	52.9	7.0	Palo Alto	16.7	-40.2	440.0	53.5	21.7
Dallas	21.5	-39.2	380.4	61.3	12.7	Plymouth	20.3	-39.6	391.1	59.4	13.8
Davis	29.8	-43.0	354.6	75.4	14.0	Pocahontas	15.1	-43.1	416.2	50.1	19.9
Decatur	20.2	-42.0	324.9	74.3	14.1	Polk	17.9	-43.0	367.8	64.4	15.6
Delaware	13.8	-39.0	427.4	67.9	35.9	Pottawattamie	26.7	-42.8	350.7	72.3	6.2
Des Moines	28.2	-43.4	351.0	73.2	30.5	Poweshiek	26.2	-40.0	360.9	58.6	11.7
Dickinson	13.0	-34.9	440.2	54.7	11.3	Ringgold	22.3	-43.5	317.1	75.2	7.9
Dubuque	10.0	-40.3	435.7	65.7	35.4	Sac	9.4	-37.5	412.7	51.7	11.2
Emmet	16.0	-36.9	447.6	54.4	19.5	Scott	26.4	-42.5	383.0	57.0	28.2
Fayette	13.1	-41.4	445.5	69.3	37.5	Shelby	22.2	-43.4	360.5	64.8	10.6
Floyd	21.7	-48.1	580.1	26.3	37.6	Sioux	17.0	-39.7	398.2	55.2	12.9
Franklin	16.4	-45.0	455.4	57.9	26.7	Story	19.9	-40.2	387.5	62.8	20.2
Fremont	26.0	-46.4	350.9	74.7	7.9	Tama	21.5	-41.8	380.7	57.2	18.4
Greene	12.1	-40.2	375.5	58.6	16.1	Taylor	24.6	-44.3	316.1	75.5	8.2
Grundy	18.6	-43.3	404.1	62.4	28.2	Union	23.9	-46.0	306.2	79.6	15.4
Guthrie	20.5	-37.6	391.0	63.1	10.2	Van Buren	30.9	-41.8	338.7	75.6	15.6
Hamilton	18.0	-40.8	412.4	61.2	19.0	Wapello	29.9	-37.8	354.5	60.5	13.6
Hancock	17.6	-45.3	451.2	60.0	30.2	Warren	21.6	-42.0	334.1	80.3	17.7
Hardin	16.5	-41.3	425.0	60.0	20.8	Washington	27.0	-34.2	346.1	48.4	20.3
Harrison	23.3	-38.1	373.4	65.1	5.0	Wayne	18.8	-44.3	333.8	81.4	12.7
Henry	27.9	-40.0	346.3	61.4	23.9	Webster	18.0	-41.6	404.0	59.9	21.4
Howard	18.7	-42.0	439.3	59.7	28.2	Winnebago	16.7	-45.6	467.0	61.0	27.6
Humboldt	16.2	-45.2	423.7	59.9	22.6	Winneshiek	14.4	-40.8	425.2	59.8	27.6
Ida	14.8	-38.5	393.1	57.1	13.1	Woodbury	18.3	-36.4	402.6	56.2	7.2
Iowa	25.1	-39.6	354.2	51.9	16.9	Worth	18.2	-46.5	463.7	61.4	32.8
Jackson	14.6	-42.5	418.2	66.2	32.1	Wright	17.0	-41.0	427.3	59.2	19.2
Jasper	25.4	-40.5	360.8	56.8	17.8						
						State of Iowa	19.9	-41.2	393.1	60.5	19.7

Table 3. Adjusted Value (in 1995 \$s per acre) of Farm Land in Iowa Counties, 1950-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	937	874	851	840	840	852	823	793	742	699	849	1208	1553	1818	2240	2411	1181	846	940
Adams	957	909	877	867	871	892	873	854	770	716	857	1211	1571	1787	2248	2370	1116	856	984
Allamakee	854	836	772	812	820	894	851	782	708	666	829	1241	1593	1767	2130	2216	894	730	712
Appanoose	615	584	590	603	587	583	556	542	497	484	590	843	1121	1377	1650	1636	790	544	600
Audubon	1441	1417	1344	1361	1363	1412	1404	1373	1132	1036	1192	1688	2288	2486	3219	3498	1511	1254	1405
Benton	1693	1610	1544	1572	1580	1642	1608	1535	1337	1262	1570	2391	2982	3248	4061	4342	1941	1626	1658
Black Hawk	1792	1701	1672	1661	1674	1758	1735	1703	1458	1393	1762	2708	3420	3759	4780	5079	2121	1747	1590
Boone	1858	1776	1676	1710	1718	1802	1753	1716	1457	1361	1644	2555	3239	3512	4399	4681	2090	1717	1751
Bremer	1562	1492	1432	1433	1448	1537	1509	1419	1240	1188	1515	2303	2901	3212	4035	4080	1611	1344	1194
Buchanan	1576	1501	1457	1455	1469	1550	1524	1449	1269	1218	1557	2362	2924	3232	4061	4098	1607	1284	1176
Buena Vista	1861	1810	1787	1816	1838	1914	1925	1882	1503	1344	1539	2306	3303	3489	4543	4945	2002	1787	1924
Butler	1646	1567	1526	1510	1529	1607	1599	1586	1349	1270	1601	2460	3125	3427	4391	4634	1833	1531	1429
Calhoun	1881	1808	1818	1851	1865	1952	1920	1811	1507	1388	1651	2541	3399	3657	4641	5066	2179	1838	1912
Carroll	1665	1624	1656	1699	1706	1767	1758	1690	1350	1229	1392	2052	2943	3113	4014	4380	1814	1581	1782
Cass	1260	1202	1140	1127	1134	1167	1147	1118	996	921	1095	1546	2012	2261	2869	3126	1454	1113	1275
Cedar	1906	1787	1734	1729	1740	1745	1732	1650	1577	1524	2021	2915	3410	3748	4574	4717	2167	1838	1739
Cerro Gordo	1709	1632	1585	1559	1585	1668	1676	1674	1416	1320	1670	2558	3305	3620	4681	4940	1929	1571	1423
Cherokee	1606	1575	1530	1566	1572	1627	1623	1592	1265	1148	1291	1871	2720	2878	3735	4170	1734	1485	1609
Chickasaw	1272	1217	1166	1170	1182	1256	1231	1178	1031	986	1258	1910	2408	2666	3345	3388	1308	1042	984
Clarke	723	683	692	698	685	686	657	617	571	550	670	956	1247	1510	1825	1913	986	720	761
Clay	1732	1684	1649	1676	1697	1765	1776	1726	1378	1232	1410	2112	3003	3170	4127	4475	1780	1546	1609
Clayton	1131	1108	978	1029	1040	1133	1080	980	887	833	1038	1555	2033	2254	2718	2859	1258	1088	1046
Clinton	1495	1413	1386	1401	1417	1446	1419	1374	1312	1266	1671	2426	2864	3169	3819	3907	1642	1334	1262
Crawford	1435	1417	1380	1408	1411	1462	1458	1439	1156	1052	1193	1706	2402	2571	3344	3661	1519	1304	1497
Dallas	1523	1459	1366	1385	1392	1454	1418	1333	1137	1059	1273	1932	2487	2716	3419	3722	1646	1339	1460
Davis	814	772	732	737	723	728	707	697	633	607	751	1082	1376	1600	1969	1987	928	695	749
Decatur	583	553	569	581	566	563	536	502	462	450	548	783	1026	1263	1510	1512	756	569	613
Delaware	1630	1574	1494	1540	1556	1662	1605	1529	1389	1320	1674	2497	3116	3453	4202	4239	1707	1334	1207
Des Moines	1458	1383	1320	1321	1302	1319	1300	1261	1137	1077	1350	1956	2451	2725	3432	3625	1707	1294	1219
Dickinson	1573	1531	1512	1555	1562	1615	1611	1539	1209	1094	1217	1793	2693	2818	3645	3863	1519	1289	1423
Dubuque	1428	1392	1319	1379	1394	1506	1441	1350	1230	1160	1457	2172	2801	3104	3743	3928	1557	1234	1120
Emmet	1819	1769	1700	1727	1748	1820	1831	1776	1418	1268	1452	2175	3039	3209	4179	4490	1741	1480	1522
Fayette	1414	1368	1302	1336	1349	1451	1404	1339	1192	1131	1426	2151	2768	3067	3775	3852	1500	1163	1039

Table 3. Adjusted Value (in 1995 \$s per acre) of Farm Land in Iowa Counties, 1950-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1507	1426	1382	1355	1369	1437	1428	1433	1230	1189	1535	2347	2924	3235	4140	4311	1346	1400	1250
Franklin	1784	1719	1669	1650	1687	1778	1799	1779	1482	1331	1635	2518	3297	3568	4648	5035	1926	1601	1553
Fremont	1239	1149	1134	1105	1116	1141	1110	1074	1012	942	1143	1621	2055	2353	2937	3314	1561	1173	1336
Greene	1639	1580	1584	1617	1624	1697	1664	1593	1325	1228	1452	2213	2981	3210	4061	4414	1972	1631	1726
Grundy	1905	1816	1750	1765	1776	1864	1824	1796	1530	1444	1782	2754	3509	3829	4828	5117	2156	1742	1671
Guthrie	1306	1279	1191	1205	1209	1258	1242	1202	1004	926	1085	1572	2060	2249	2888	3139	1358	1093	1219
Hamilton	2026	1946	1854	1872	1895	1993	1972	1918	1613	1473	1782	2761	3582	3872	4936	5238	2171	1767	1825
Hancock	1787	1720	1656	1635	1672	1763	1788	1761	1471	1327	1643	2523	3314	3595	4694	5017	1933	1586	1497
Hardin	1838	1765	1704	1720	1742	1831	1813	1786	1501	1371	1658	2570	3299	3564	4546	4855	1964	1611	1640
Harrison	1265	1230	1149	1149	1152	1191	1178	1129	969	892	1048	1473	1947	2162	2775	2993	1343	1067	1250
Henry	1404	1332	1274	1275	1256	1274	1255	1193	1076	1018	1276	1851	2277	2532	3190	3305	1573	1279	1268
Howard	1134	1085	1029	1032	1043	1108	1086	1028	900	862	1098	1668	2118	2345	2942	2971	1170	962	922
Humboldt	1940	1872	1802	1802	1838	1937	1948	1933	1609	1437	1741	2690	3599	3878	5028	5505	2232	1833	1838
Ida	1609	1591	1535	1564	1567	1626	1621	1597	1285	1170	1329	1895	2655	2847	3706	4114	1772	1480	1609
Iowa	1475	1404	1326	1333	1326	1368	1347	1297	1139	1066	1326	1978	2414	2603	3306	3527	1649	1425	1497
Jackson	1260	1209	1167	1200	1214	1275	1236	1204	1123	1070	1377	2027	2505	2775	3344	3453	1415	1118	1039
Jasper	1536	1460	1391	1396	1385	1422	1400	1380	1220	1146	1430	2114	2580	2807	3557	3721	1715	1435	1497
Jefferson	1080	1025	977	979	964	977	964	896	807	764	958	1389	1661	1847	2326	2353	1105	891	953
Johnson	1849	1745	1628	1622	1616	1635	1623	1572	1450	1379	1786	2586	3059	3320	4160	4271	1956	1631	1609
Jones	1416	1342	1291	1307	1322	1358	1329	1255	1192	1148	1507	2194	2598	2875	3467	3585	1515	1274	1237
Keokuk	1329	1261	1231	1226	1213	1236	1228	1133	1016	953	1206	1755	2070	2223	2851	2910	1381	1213	1306
Kossuth	1899	1843	1740	1728	1774	1871	1909	1853	1522	1333	1605	2465	3309	3549	4672	5064	1914	1621	1621
Lee	1222	1160	1092	1101	1080	1086	1057	1042	947	906	1123	1618	2094	2438	3000	3143	1500	1123	1095
Linn	1834	1726	1665	1666	1680	1700	1680	1606	1511	1457	1915	2789	3305	3634	4440	4501	1956	1626	1615
Louisa	1642	1549	1526	1520	1515	1532	1522	1419	1310	1247	1615	2338	2763	3002	3757	3807	1707	1359	1349
Lucas	658	625	645	658	640	637	607	588	541	527	640	917	1181	1451	1738	1770	878	634	681
Lyon	1565	1524	1515	1558	1565	1619	1615	1581	1242	1123	1249	1842	2804	2932	3794	4199	1715	1490	1640
Madison	1113	1042	1036	1026	1027	1050	1019	919	848	796	965	1392	1790	2060	2554	2677	1254	911	1033
Mahaska	1324	1257	1216	1216	1199	1215	1196	1100	992	939	1178	1707	2102	2337	2944	3050	1481	1208	1268
Marion	1200	1139	1116	1126	1103	1108	1076	1035	940	902	1116	1607	2045	2388	2932	3061	1496	1128	1151
Marshall	1623	1548	1487	1505	1505	1566	1532	1498	1293	1210	1483	2258	2798	3025	3816	4031	1814	1526	1609
Mills	1302	1207	1150	1120	1131	1157	1126	1104	1040	968	1174	1665	2157	2470	3082	3403	1603	1178	1361
Mitchell	1434	1356	1318	1291	1304	1369	1361	1353	1182	1144	1476	2255	2834	3135	4012	4188	1634	1334	1182

Table 3. Adjusted Value (in 1995 \$s per acre) of Farm Land in Iowa Counties, 1950-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1198	1195	1123	1138	1138	1183	1179	1168	952	872	1001	1401	1850	2013	2629	2817	1227	997	1151
Monroe	821	779	754	760	745	751	732	679	615	589	731	1054	1319	1518	1877	1918	921	735	804
Montgomery	1146	1063	1047	1019	1029	1053	1024	1010	953	887	1076	1526	1977	2263	2824	3162	1577	1168	1367
Muscatine	1755	1648	1579	1574	1581	1589	1576	1497	1418	1366	1803	2600	3078	3374	4142	4174	1891	1546	1510
O'Brien	1973	1921	1905	1960	1970	2037	2031	1991	1565	1415	1574	2319	3465	3625	4690	5075	2006	1742	1869
Osceola	1717	1673	1664	1712	1720	1778	1774	1738	1365	1235	1374	2025	3017	3156	4084	4470	1780	1521	1627
Page	1020	945	935	911	919	941	915	904	852	793	962	1365	1830	2094	2613	2937	1504	1138	1336
Palo Alto	1752	1702	1624	1629	1662	1742	1766	1707	1385	1224	1441	2190	2952	3142	4119	4535	1784	1526	1541
Plymouth	1638	1621	1492	1522	1525	1581	1576	1567	1261	1149	1305	1861	2604	2792	3634	4071	1761	1450	1565
Pocahontas	1893	1831	1776	1779	1815	1908	1926	1875	1543	1373	1643	2521	3408	3654	4759	5221	2148	1878	1924
Polk	1612	1537	1505	1529	1527	1586	1545	1507	1301	1222	1489	2270	2951	3241	4051	4335	1968	1571	1671
Pottawattamie	1339	1271	1200	1185	1193	1227	1202	1164	1047	968	1156	1633	2150	2424	3067	3338	1573	1198	1386
Poweshiek	1483	1410	1326	1331	1324	1364	1345	1315	1156	1083	1349	2009	2430	2620	3331	3538	1630	1349	1485
Ringgold	692	651	660	661	654	657	632	603	559	535	651	928	1209	1448	1761	1808	921	690	786
Sac	1738	1695	1728	1772	1779	1844	1834	1763	1409	1283	1452	2141	3078	3257	4201	4593	1903	1646	1819
Scott	2332	2179	2127	2120	2145	2141	2124	2005	1948	1898	2549	3666	4284	4736	5708	5792	2547	2130	2042
Shelby	1369	1335	1250	1253	1256	1300	1285	1275	1087	1000	1170	1643	2229	2465	3173	3576	1649	1314	1460
Sioux	1766	1733	1647	1687	1692	1752	1748	1723	1369	1241	1395	2025	2949	3119	4047	4526	1929	1631	1776
Story	1928	1843	1744	1776	1783	1866	1818	1766	1503	1406	1703	2637	3359	3640	4567	4860	2117	1707	1745
Tama	1549	1477	1402	1416	1419	1480	1449	1415	1216	1142	1406	2151	2709	2942	3712	3959	1749	1460	1516
Taylor	806	753	751	743	741	751	726	697	651	615	747	1062	1365	1603	1971	2097	1070	801	910
Union	840	790	792	794	783	787	756	725	672	643	782	1115	1467	1759	2136	2267	1185	866	922
Van Buren	915	868	815	822	807	811	790	766	695	666	825	1191	1490	1727	2130	2171	1051	785	835
Wapello	983	933	878	879	867	879	865	809	730	690	866	1254	1532	1702	2144	2200	1028	841	910
Warren	1175	1114	1107	1122	1107	1121	1077	1015	916	877	1066	1555	2076	2448	2982	3011	1473	1072	1120
Washington	1737	1648	1583	1576	1558	1588	1577	1474	1321	1240	1569	2283	2678	2875	3688	3755	1787	1581	1615
Wayne	646	614	640	653	636	631	602	581	534	520	633	905	1200	1476	1768	1763	863	624	681
Webster	1983	1905	1815	1833	1856	1951	1930	1869	1571	1436	1737	2692	3531	3818	4864	5198	2190	1797	1819
Winnebago	1632	1570	1525	1506	1539	1624	1645	1595	1333	1203	1489	2289	3030	3286	4291	4649	1741	1420	1367
Winneshiek	1131	1094	1029	1056	1066	1148	1109	1050	933	886	1116	1684	2166	2401	2954	3016	1220	1002	965
Woodbury	1324	1318	1231	1250	1251	1299	1295	1283	1043	953	1094	1536	2085	2261	2952	3177	1343	1128	1293
Worth	1584	1513	1478	1454	1478	1555	1562	1520	1286	1201	1518	2326	2997	3283	4243	4521	1703	1385	1281
Wright	2014	1944	1859	1858	1896	1998	2011	1958	1630	1455	1763	2724	3602	3881	5033	5276	2125	1752	1807
State of Iowa	1455	1394	1365	1354	1360	1409	1391	1350	1165	1086	1328	1968	2537	2784	3517	3731	1607	1314	1349

Table 4. Percentage Change Based on Adjusted Per Acre Value (in 1995 \$s) of Farm Land by Selected Periods in Iowa Counties, 1950-1995.

County	1990- 1995	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1995	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	10.0	-64.7	104.1	39.7	-10.1	Jefferson	10.5	-58.5	113.0	24.0	-6.5
Adams	7.2	-62.3	112.3	30.4	-13.0	Johnson	13.1	-61.7	118.3	19.9	1.4
Allamakee	-4.4	-59.7	148.0	22.4	2.6	Jones	4.3	-62.1	136.6	18.9	2.9
Appanoose	5.6	-64.4	107.1	45.3	-9.4	Keokuk	7.5	-57.5	110.7	13.8	-7.1
Audubon	2.0	-59.6	131.5	20.5	-10.7	Kossuth	1.5	-63.1	164.6	18.1	.0
Benton	3.1	-62.2	123.7	19.3	-1.9	Lee	12.5	-65.4	109.5	33.6	2.5
Black Hawk	1.9	-65.4	139.4	21.4	9.9	Linn	7.9	-62.2	130.1	20.3	.7
Boone	3.1	-61.5	123.9	21.8	-1.9	Louisa	7.2	-59.8	123.0	25.6	.8
Bremer	1.7	-62.3	153.3	19.8	12.6	Lucas	3.3	-64.0	101.5	38.5	-6.8
Buchanan	1.6	-62.2	155.0	25.2	9.2	Lyon	-3.3	-61.4	144.9	15.0	-9.1
Buena Vista	-2.8	-61.3	147.0	12.0	-7.1	Madison	6.0	-60.8	113.4	37.6	-11.8
Butler	2.4	-65.3	152.8	19.8	7.1	Mahaska	9.0	-60.2	106.0	22.5	-4.7
Calhoun	-3.6	-61.5	132.5	18.6	-3.9	Marion	8.3	-63.8	104.6	32.6	-2.0
Carroll	-5.8	-59.6	141.4	14.8	-11.3	Marshall	3.7	-61.2	122.2	18.9	-5.2
Cass	7.9	-62.7	115.1	30.6	-12.7	Mills	12.5	-66.0	112.2	36.1	-13.4
Cedar	9.2	-63.0	117.7	17.9	5.7	Mitchell	4.7	-67.3	156.3	22.5	12.9
Cerro Gordo	2.5	-66.2	156.0	22.8	10.4	Monona	1.3	-58.0	129.5	23.1	-13.4
Cherokee	-1.3	-61.0	140.5	16.7	-7.7	Monroe	9.3	-60.9	108.4	25.2	-8.6
Chickasaw	1.3	-62.9	159.0	25.5	5.9	Montgomery	8.9	-66.7	100.6	35.0	-14.6
Clarke	5.4	-64.1	94.0	36.9	-5.4	Muscatine	10.5	-61.9	120.7	22.3	2.4
Clay	-1.9	-60.6	151.5	15.1	-3.9	O'Brien	-3.1	-59.9	153.0	15.2	-6.8
Clayton	-.1	-60.4	127.2	15.7	4.0	Osceola	-3.4	-60.2	151.2	17.0	-6.6
Clinton	3.4	-63.0	138.0	23.0	5.7	Page	8.4	-68.0	95.3	32.1	-14.9
Crawford	-1.9	-60.1	141.0	16.5	-12.9	Palo Alto	.6	-61.6	154.3	16.9	-1.0
Dallas	4.7	-60.9	126.2	22.9	-8.3	Plymouth	3.6	-61.2	131.2	21.4	-7.4
Davis	11.9	-63.4	114.0	33.6	-7.2	Pocahontas	-.8	-63.5	143.1	14.4	-2.4
Decatur	3.6	-62.8	100.1	32.8	-7.1	Polk	1.6	-63.4	120.3	25.3	-6.0
Delaware	-1.9	-60.8	148.3	27.9	10.6	Pottawattamie	9.2	-63.2	112.2	31.2	-13.5
Des Moines	10.5	-63.6	112.4	31.9	6.2	Poweshiek	8.8	-61.5	117.0	20.8	-9.1
Dickinson	-2.6	-58.2	154.3	17.8	-9.4	Ringgold	5.4	-63.7	96.4	33.5	-12.2
Dubuque	-5.2	-61.7	152.2	26.2	10.2	Sac	-5.8	-59.8	141.4	15.6	-9.5
Emmet	.0	-59.5	157.8	17.6	-2.7	Scott	8.9	-63.0	127.4	19.6	4.3
Fayette	-2.5	-62.3	156.9	28.9	11.9	Shelby	5.3	-63.7	116.8	25.5	-10.0
Floyd	4.9	-66.7	220.2	3.8	12.0	Sioux	.8	-61.3	134.6	18.3	-8.1
Franklin	.3	-64.7	161.5	20.3	3.1	Story	3.3	-61.6	129.5	24.0	-2.2
Fremont	8.6	-65.6	112.3	33.1	-12.2	Tama	4.7	-62.6	126.3	19.8	-3.7
Greene	-3.4	-61.6	123.9	20.9	-5.5	Taylor	7.3	-64.2	95.9	33.7	-12.0
Grundy	2.2	-63.6	137.4	23.7	4.3	Union	6.8	-65.3	91.2	36.9	-6.1
Guthrie	3.8	-59.9	131.2	24.3	-10.4	Van Buren	12.8	-62.6	106.6	33.8	-6.0
Hamilton	1.7	-62.0	141.2	22.8	-3.2	Wapello	11.9	-60.1	114.0	22.3	-7.6
Hancock	1.4	-64.9	159.5	21.9	5.9	Warren	4.8	-62.8	104.4	37.3	-4.2
Hardin	.4	-62.3	147.2	21.9	-1.7	Washington	9.4	-57.7	110.1	13.1	-2.1
Harrison	6.2	-60.2	122.9	25.8	-14.6	Wayne	2.3	-64.2	104.2	38.2	-8.3
Henry	10.2	-61.4	110.2	23.0	.8	Webster	1.6	-62.5	137.3	21.8	-1.2
Howard	2.3	-62.7	154.0	21.7	4.3	Winnebago	.5	-65.1	167.0	22.6	3.8
Humboldt	.2	-64.8	146.6	21.8	-.3	Winneshiek	-1.5	-61.9	147.3	21.7	3.8
Ida	-1.0	-60.5	132.2	19.7	-8.0	Woodbury	2.0	-59.1	136.6	19.0	-12.8
Iowa	7.8	-61.2	113.9	15.8	-4.8	Worth	1.9	-65.6	165.4	23.0	8.1
Jackson	-1.2	-63.1	144.0	26.6	7.5	Wright	.8	-62.1	148.3	21.3	-3.0
Jasper	8.0	-61.8	117.0	19.5	-4.2						
						State of Iowa	3.3	-62.2	132.2	22.3	-2.6

Table 5. Percentage Change in Per Acre Value (unadjusted and adjusted to 1995 \$s) of Farm Land from 1981 to 1986 and from 1986 to 1995 in Iowa Counties.

County	Unadjusted		Adjusted		County	Unadjusted		Adjusted	
	1986-1995	1981-1986	1986-1995	1981-1986		1986-1995	1981-1986	1986-1995	1981-1986
Adair	84.8	-62.9	34.0	-68.8	Jefferson	94.9	-61.0	41.3	-67.2
Adams	84.4	-62.2	33.7	-68.1	Johnson	84.9	-60.6	34.0	-66.8
Allamakee	76.8	-62.8	28.2	-68.7	Jones	70.2	-60.7	23.4	-66.9
Appanoose	75.2	-65.1	27.0	-70.7	Keokuk	92.3	-60.3	39.4	-66.6
Audubon	91.9	-61.8	39.1	-67.8	Kossuth	96.6	-66.1	42.5	-71.5
Benton	85.0	-63.1	34.1	-68.9	Lee	86.0	-64.1	34.8	-69.8
Black Hawk	77.4	-65.4	28.6	-70.9	Linn	73.7	-61.0	25.9	-67.2
Boone	88.2	-63.2	36.5	-69.0	Louisa	81.6	-60.6	31.7	-66.8
Bremer	81.4	-65.0	31.5	-70.6	Lucas	72.3	-64.0	24.9	-69.7
Buchanan	78.5	-64.4	29.4	-70.0	Lyon	92.3	-64.8	39.4	-70.4
Buena Vista	91.1	-64.9	38.5	-70.4	Madison	92.9	-63.0	39.8	-68.8
Butler	78.7	-65.6	29.6	-71.1	Mahaska	94.4	-62.1	40.9	-68.1
Calhoun	87.0	-64.4	35.5	-70.1	Marion	83.5	-63.5	33.0	-69.2
Carroll	86.9	-63.6	35.5	-69.4	Marshall	85.1	-62.3	34.2	-68.3
Cass	88.6	-61.8	36.7	-67.9	Mills	85.5	-62.7	34.5	-68.6
Cedar	72.5	-60.4	25.0	-66.7	Mitchell	73.0	-66.2	25.4	-71.5
Cerro Gordo	78.6	-66.5	29.5	-71.8	Monona	89.6	-60.6	37.4	-66.8
Cherokee	93.0	-63.5	39.9	-69.3	Monroe	92.3	-62.7	39.4	-68.6
Chickasaw	77.9	-65.0	29.0	-70.5	Montgomery	78.2	-62.7	29.2	-68.6
Clarke	81.2	-64.2	31.4	-69.8	Muscatine	77.3	-60.8	28.5	-67.0
Clay	94.0	-64.6	40.6	-70.2	O'Brien	92.3	-64.2	39.4	-69.8
Clayton	87.3	-63.6	35.7	-69.3	Osceola	91.8	-64.1	39.1	-69.8
Clinton	62.9	-60.6	18.1	-66.8	Page	77.4	-64.0	28.6	-69.6
Crawford	88.1	-62.6	36.3	-68.5	Palo Alto	97.5	-64.7	43.2	-70.3
Dallas	98.3	-63.2	43.8	-69.0	Plymouth	96.6	-62.4	42.6	-68.4
Davis	85.0	-63.4	34.1	-69.2	Pocahontas	90.3	-65.8	37.9	-71.2
Decatur	78.8	-64.6	29.6	-70.2	Polk	81.9	-64.2	31.9	-69.8
Delaware	70.3	-62.7	23.5	-68.6	Pottawattamie	90.7	-62.5	38.3	-68.4
Des Moines	86.7	-62.7	35.3	-68.6	Poweshiek	88.9	-61.4	37.0	-67.5
Dickinson	98.4	-64.4	43.8	-70.0	Ringgold	78.4	-63.9	29.3	-69.6
Dubuque	69.8	-63.2	23.1	-69.0	Sac	86.9	-63.7	35.5	-69.5
Emmet	97.9	-64.0	43.5	-69.7	Scott	69.5	-60.5	22.9	-66.7
Fayette	72.4	-64.4	25.0	-70.0	Shelby	88.8	-62.6	36.9	-68.5
Floyd	74.8	-65.9	26.7	-71.3	Sioux	96.2	-63.6	42.3	-69.3
Franklin	84.9	-66.0	34.0	-71.4	Story	89.2	-63.4	37.2	-69.2
Fremont	81.4	-61.9	31.5	-67.9	Tama	87.1	-63.5	35.6	-69.2
Greene	84.2	-64.1	33.5	-69.8	Taylor	80.7	-62.9	31.0	-68.8
Grundy	81.9	-64.5	31.9	-70.1	Union	80.3	-64.3	30.7	-69.9
Guthrie	94.6	-61.9	41.1	-68.0	Van Buren	89.4	-62.8	37.3	-68.7
Hamilton	89.7	-64.6	37.5	-70.2	Wapello	96.6	-61.8	42.5	-67.8
Hancock	85.8	-66.4	34.7	-71.7	Warren	84.7	-65.0	33.9	-70.6
Hardin	84.9	-64.2	34.1	-69.8	Washington	93.2	-60.1	40.1	-66.4
Harrison	95.5	-61.8	41.7	-67.8	Wayne	71.4	-65.1	24.2	-70.6
Henry	90.2	-62.1	37.9	-68.1	Webster	90.5	-64.9	38.1	-70.5
Howard	81.4	-65.2	31.5	-70.7	Winnebago	87.2	-66.7	35.7	-72.0
Humboldt	86.2	-66.0	35.0	-71.4	Winneshiek	76.2	-64.4	27.7	-70.0
Ida	89.7	-62.5	37.6	-68.4	Woodbury	91.6	-61.6	38.9	-67.7
Iowa	90.8	-61.7	38.3	-67.7	Worth	81.9	-66.4	31.8	-71.7
Jackson	62.4	-62.0	17.7	-68.0	Wright	90.9	-65.7	38.4	-71.1
Jasper	84.8	-61.7	34.0	-67.8					
					State of Iowa	84.9	-63.3	34.0	-69.1

(Table 2). Positive changes in the 1960s and from 1990 to 1995 also are muted when 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 1995. 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 1995; the average acre in Iowa gained 84.9 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. Thirty counties had increases in farm land values of at least 90 percent, while the gains in 26 others were less than 80 percent (Figure 4). Increases from 1986 to 1995 were greatest (+95%) in Dallas, Dickinson, Emmet, Harrison, Kossuth, Palo Alto, Plymouth, Sioux, and Wapello counties. These gains were not as dramatic when the effects of inflation were incorporated, however.

Note: Annual data from 1950 through 1995 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, 1950-1995.

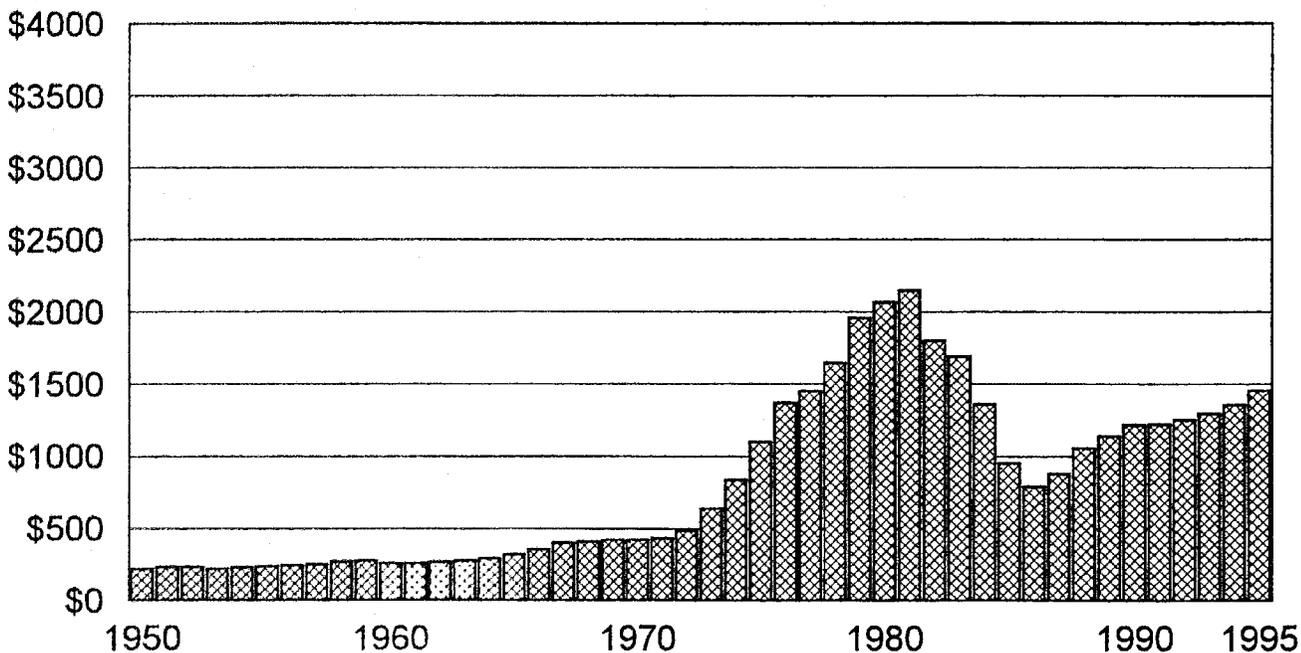


Figure 2. Adjusted value (in 1995 \$s per acre) of farm land in Iowa, 1950-1995.

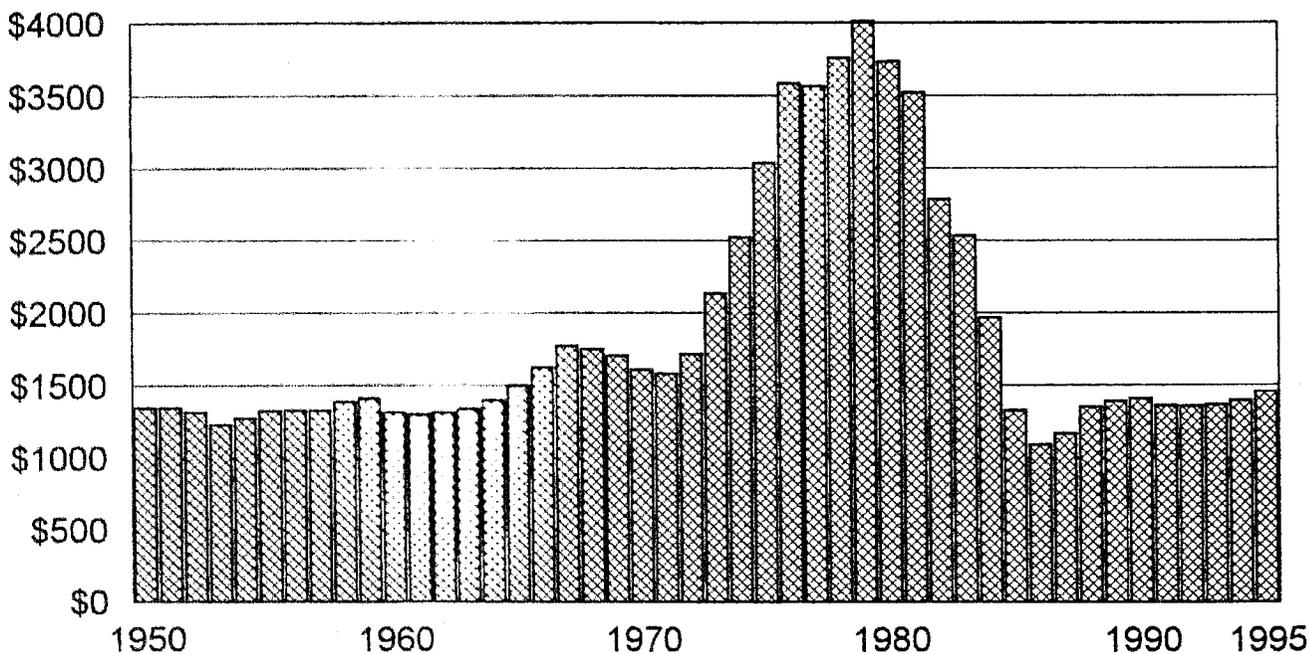


Figure 3. Average farm land value per acre, 1995.

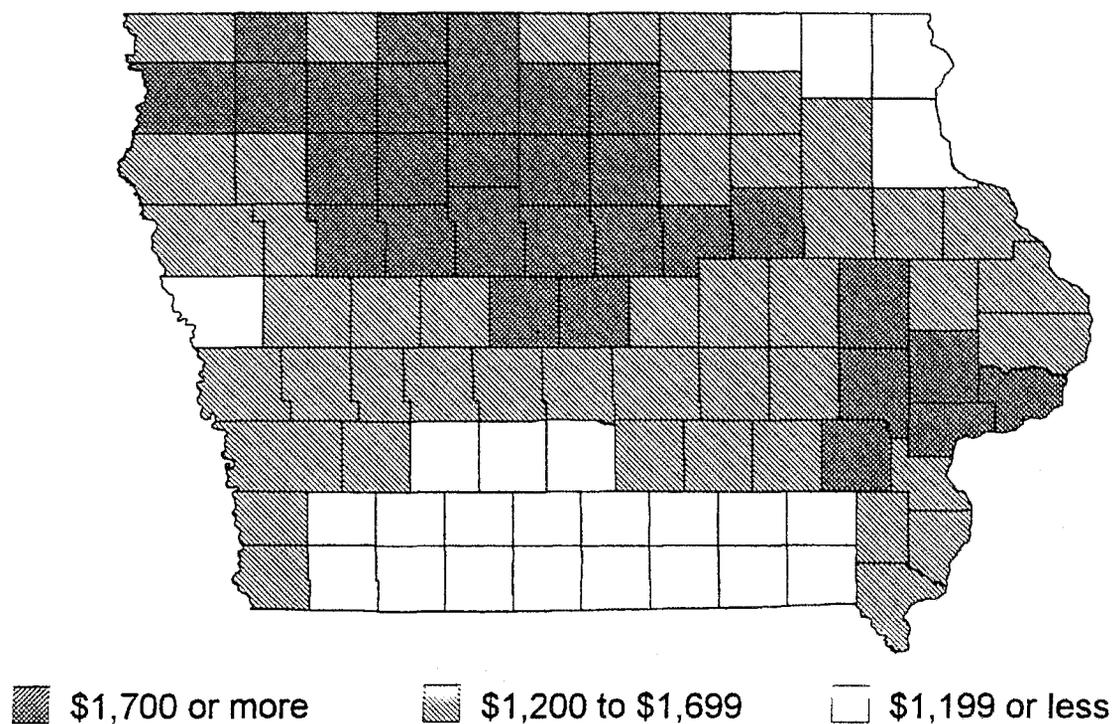
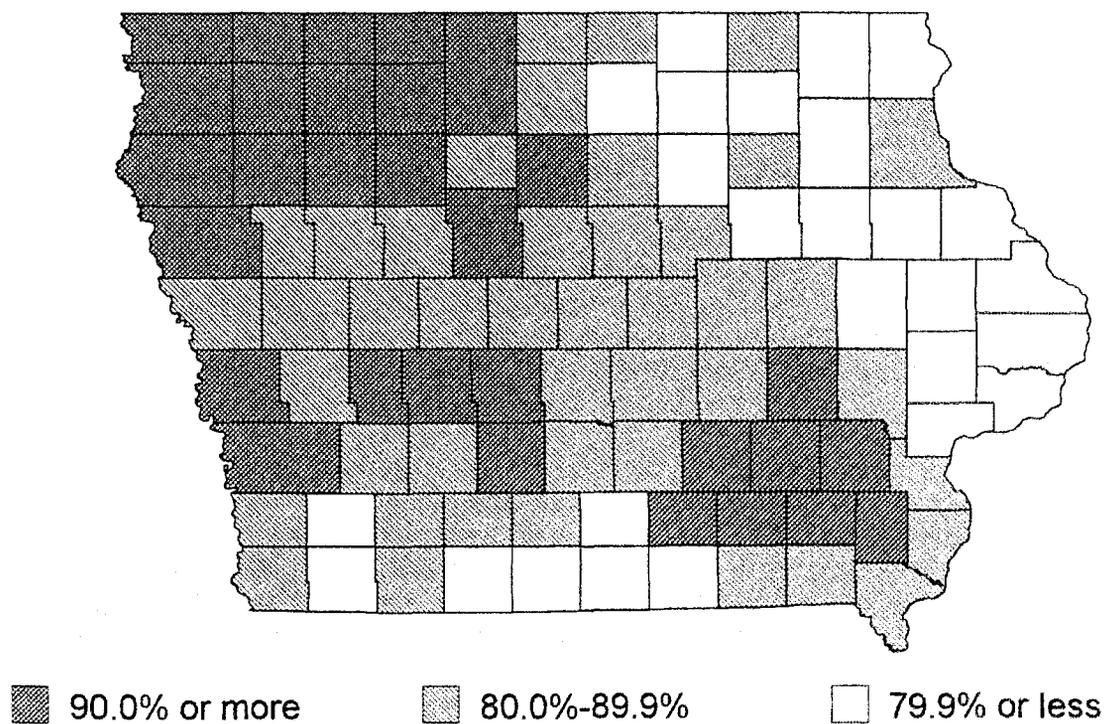


Figure 4. Percent increase in per acre value of farm land, 1986-1995.



Corn and Soybean Production in Iowa's Counties:

1975-1995

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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. Federal agricultural policy and other factors can affect planting and harvesting as well.

Corn Production

About 11.4 million acres of corn were harvested for grain in 1995 (Table 1), a drop of 1.3 million acres from 1994. 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 1975 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.

In 1995, 1.4 billion bushels of corn were produced, a drop of more than a half billion bushels from 1994 (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 six 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 three at the beginning of the period (1975-1977). The 1995 figure of 123.0 was substantially below the 152.0 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 1995, for example, average yield of corn was at least 130 bushels per acre in 22 counties (Figure 3). Three of these counties reported yields of at least 145 bushels per acre (Boone, Hamilton, Webster). Yields were under 110 bushels per acre in 30 counties; in eight of these, yields were less than 70 bushels per acre in 1995.

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain 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	96	109	98	112	109	112	106	92	90	102	112	114	73	115	120	116	116	109	110	109	101
Adams	44	61	54	63	60	63	61	55	50	58	64	61	46	68	80	74	73	67	68	68	62
Allamakee	70	72	63	73	71	68	66	55	62	74	81	79	51	86	89	76	75	75	70	65	63
Appanoose	7	30	21	33	32	31	30	24	26	35	42	32	20	35	41	38	37	37	39	40	39
Audubon	95	105	97	110	108	109	108	99	94	111	126	117	86	124	127	128	124	122	111	116	108
Benton	173	182	166	181	179	175	175	156	153	177	198	190	122	181	181	175	173	185	172	177	174
Black Hawk	145	150	137	154	143	150	149	130	120	145	163	161	105	142	153	152	146	146	143	142	143
Boone	134	145	123	141	133	134	135	119	108	121	134	127	87	148	152	154	153	151	154	158	154
Bremer	117	120	110	123	113	115	114	93	89	108	120	116	70	116	128	117	110	109	108	114	107
Buchanan	166	174	163	181	181	177	172	150	143	164	189	180	129	171	178	166	165	156	165	169	153
Buena Vista	159	166	148	164	151	155	159	139	122	145	161	157	107	165	176	170	169	167	163	164	160
Butler	146	152	136	158	146	154	149	136	127	155	180	170	104	164	176	169	169	168	164	171	157
Calhoun	155	167	144	163	145	152	153	131	117	155	176	173	104	159	160	158	155	150	152	157	157
Carroll	153	157	147	161	159	161	162	137	127	142	157	152	104	159	164	160	160	154	139	156	154
Cass	116	131	115	133	125	127	124	109	102	114	122	118	84	136	141	129	144	135	135	131	120
Cedar	160	169	158	173	177	174	167	149	134	145	164	160	111	184	183	179	177	182	172	169	155
Cerro Gordo	160	166	143	172	153	166	162	140	122	147	173	164	115	168	170	159	151	151	159	178	156
Cherokee	135	142	132	145	141	144	142	124	107	123	146	137	87	147	156	143	146	148	142	140	143
Chickasaw	125	131	116	136	123	122	122	104	105	128	141	135	81	136	136	121	115	115	109	113	107
Clarke	5	37	22	38	37	36	37	32	37	45	48	41	31	49	56	43	44	44	40	37	29
Clay	137	145	105	144	133	135	135	116	102	119	133	132	87	157	159	152	147	142	140	143	138
Clayton	138	142	136	157	148	138	130	115	135	157	170	168	111	158	164	150	148	147	139	131	124
Clinton	185	196	174	197	196	189	192	166	167	190	224	227	152	215	214	209	210	204	201	202	188
Crawford	167	174	162	176	170	170	172	145	127	149	173	161	115	163	173	180	181	167	167	175	169
Dallas	128	135	123	139	138	137	134	120	108	126	146	147	93	146	150	160	154	149	155	160	153
Davis	11	38	32	44	44	43	41	39	42	54	60	50	32	53	64	55	60	58	62	62	57
Decatur	6	32	25	34	32	30	32	21	36	58	65	52	32	51	57	48	45	46	45	44	42
Delaware	175	180	166	185	184	177	172	141	146	161	183	175	123	178	179	171	168	162	158	153	147
Des Moines	62	76	66	75	76	73	72	70	68	92	102	102	66	93	97	93	93	93	92	94	97
Dickinson	80	88	46	88	78	86	85	76	68	82	96	89	56	95	103	94	96	95	88	91	94
Dubuque	113	114	104	121	116	113	112	88	104	114	121	121	93	129	132	127	124	115	113	107	103
Emmet	105	110	53	108	97	103	102	93	80	110	127	119	76	118	113	110	106	104	102	106	104
Fayette	188	194	174	201	194	194	186	154	146	170	187	182	117	182	192	188	179	174	171	170	158

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain 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
Floyd	127	138	121	140	131	132	128	112	109	125	140	140	80	134	138	133	128	126	123	131	124
Franklin	171	180	160	183	145	170	170	147	132	148	173	166	107	180	183	179	171	167	160	170	169
Fremont	85	116	82	118	111	113	114	99	88	103	119	104	69	101	113	112	120	120	122	119	115
Greene	150	161	140	155	146	145	146	124	109	126	137	132	90	152	156	163	157	153	145	164	162
Grundy	154	164	144	164	151	161	160	140	129	142	155	154	101	159	160	152	150	155	152	163	152
Guthrie	99	107	98	112	109	106	106	97	87	118	133	121	73	120	119	111	106	105	104	102	102
Hamilton	161	170	148	168	149	160	159	136	122	134	146	139	99	160	170	170	165	167	169	178	169
Hancock	162	168	144	175	152	163	163	147	127	151	172	166	99	171	175	166	162	163	164	167	160
Hardin	166	174	155	172	156	167	161	138	136	157	174	170	120	171	174	169	162	166	175	177	170
Harrison	149	160	146	166	157	156	154	143	127	149	174	156	96	165	175	170	166	158	167	171	161
Henry	67	89	79	92	92	88	89	81	74	86	97	95	73	104	113	106	102	99	105	106	98
Howard	105	107	96	115	103	104	101	89	83	105	116	114	72	104	117	108	100	99	92	92	87
Humboldt	124	134	113	130	99	122	123	111	96	110	124	121	77	127	131	127	125	127	122	123	124
Ida	112	119	114	123	125	127	125	110	97	117	137	132	83	126	130	124	128	131	126	126	124
Iowa	112	130	110	129	128	121	124	99	117	138	149	146	95	154	163	146	142	139	144	139	129
Jackson	96	99	83	104	101	98	96	74	85	101	110	108	73	122	129	107	104	100	97	95	94
Jasper	155	166	147	169	162	164	166	147	139	155	180	174	118	169	180	174	170	170	171	175	159
Jefferson	38	70	59	73	74	72	72	60	67	82	96	87	49	77	83	76	73	74	83	80	73
Johnson	101	113	103	124	127	119	118	107	105	126	145	143	107	149	149	147	144	135	139	137	128
Jones	144	150	131	152	150	146	141	117	121	144	162	157	105	152	157	143	142	140	136	135	128
Keokuk	86	114	102	117	120	113	119	107	105	125	134	117	86	127	141	132	126	132	135	133	123
Kossuth	291	304	241	308	237	274	272	234	206	238	260	261	180	280	290	276	274	268	255	268	271
Lee	48	79	63	81	77	74	71	64	71	93	106	97	54	88	88	86	83	81	89	95	98
Linn	133	143	131	146	149	149	143	126	120	134	151	153	103	153	163	152	152	147	157	160	153
Louisa	75	88	80	88	89	88	84	83	76	90	102	97	67	98	106	97	86	83	85	83	84
Lucas	7	27	16	32	30	29	30	27	30	42	46	39	25	40	48	43	43	41	40	44	39
Lyon	148	154	132	153	147	143	138	123	120	140	155	155	111	153	156	164	169	154	149	139	148
Madison	56	70	51	73	71	74	71	63	62	95	104	92	56	76	87	88	89	83	82	85	78
Mahaska	105	125	104	124	124	119	120	104	104	111	126	121	91	128	135	136	135	131	136	143	128
Marion	61	77	60	79	74	74	76	71	69	85	93	74	48	77	90	88	82	79	67	90	85
Marshall	137	146	134	155	146	151	149	132	127	142	149	145	96	154	163	161	156	150	160	169	157
Mills	84	100	87	100	96	100	96	83	81	93	102	98	61	102	114	103	103	100	94	99	96
Mitchell	125	130	110	135	121	124	120	104	97	112	124	118	82	127	124	122	119	120	114	119	111

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain 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
Monona	139	156	141	167	161	163	165	144	128	159	178	155	121	175	184	164	162	172	163	168	165
Monroe	8	28	15	31	28	27	29	23	26	40	43	39	22	33	38	35	42	40	41	43	37
Montgomery	75	90	81	90	88	89	87	78	71	79	83	84	60	86	96	97	105	96	96	95	87
Muscatine	90	100	84	99	97	92	96	86	86	111	128	128	76	104	108	102	97	101	93	97	92
O'Brien	152	160	135	161	158	160	157	140	126	145	162	158	112	158	162	150	155	163	152	157	152
Osceola	108	112	72	111	108	107	105	94	80	95	110	102	63	107	112	109	110	106	103	104	101
Page	78	99	88	102	101	101	97	86	82	93	101	93	68	95	103	113	112	107	107	109	102
Palo Alto	143	154	125	158	122	151	149	132	125	156	182	164	100	162	171	160	155	154	151	160	153
Plymouth	204	217	203	227	213	217	211	187	189	210	239	231	155	233	236	234	244	235	225	223	231
Pocahontas	163	173	150	168	146	156	157	138	121	150	168	153	97	170	175	169	162	158	152	160	157
Polk	87	96	81	101	95	97	99	85	78	86	98	95	67	101	117	110	114	110	120	118	116
Pottawattamie	217	237	214	243	236	235	227	202	198	229	256	247	147	220	241	245	214	220	223	221	218
Poweshiek	112	119	109	123	124	122	115	93	101	112	125	123	88	146	141	131	125	130	130	128	122
Ringgold	15	46	36	49	48	46	48	37	40	63	70	62	33	55	64	62	65	62	62	65	58
Sac	151	161	146	157	145	150	150	133	115	137	153	148	112	159	163	169	169	155	160	155	159
Scott	120	127	118	128	126	123	123	109	107	115	136	142	113	148	144	136	134	135	127	130	117
Shelby	169	179	168	181	176	175	173	151	134	171	194	179	109	178	185	182	182	168	169	177	165
Sioux	224	240	210	237	233	228	223	203	186	207	233	218	143	226	250	236	241	234	218	194	220
Story	152	160	140	160	156	161	161	142	123	148	168	161	97	146	161	170	164	158	156	157	154
Tama	163	179	162	184	175	182	180	161	147	171	197	179	108	181	190	176	174	177	180	178	168
Taylor	33	68	59	70	66	67	67	59	57	76	90	75	55	71	84	81	78	71	74	67	67
Union	29	52	39	52	50	51	47	40	39	60	68	56	38	49	62	57	57	53	52	55	48
Van Buren	12	46	34	48	49	46	45	43	43	58	70	57	34	58	64	58	58	55	58	60	57
Wapello	29	58	40	59	57	56	53	45	48	50	57	51	33	59	67	65	63	62	66	64	62
Warren	58	75	53	80	77	78	82	64	68	97	105	92	55	79	95	87	85	86	77	86	82
Washington	109	130	116	132	139	134	130	120	119	141	165	148	109	153	160	151	151	150	153	141	138
Wayne	9	49	38	54	50	45	48	40	45	73	86	72	38	66	78	64	61	61	66	63	57
Webster	176	190	164	186	166	174	172	151	133	150	162	158	119	175	188	189	183	179	181	189	190
Winnebago	124	129	104	134	104	120	117	99	89	111	118	119	80	119	130	116	114	108	109	118	112
Winneshiek	125	127	109	131	131	123	117	88	109	129	140	136	84	137	146	141	130	128	119	117	112
Woodbury	170	193	181	207	207	208	205	185	162	199	216	199	132	239	271	251	260	242	238	236	232
Worth	107	112	93	112	99	104	103	91	80	103	117	113	71	111	115	116	110	110	114	118	113
Wright	166	175	155	174	136	161	157	140	120	139	163	164	102	163	172	179	177	174	164	168	167
State of Iowa	11400	12700	11000	12950	12200	12400	12250	10700	10150	12050	13550	12900	8550	13150	13850	13300	13100	12850	12700	12900	12420

Table 2. Estimated Bushels (in 1,000s) of Corn Produced 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	8160	16425	7558	15736	13802	12856	13892	7898	11496	13071	14294	11050	5660	11740	14537	10400	13300	11300	5509	10893	6543
Adams	3806	9054	4250	8516	8024	7461	6661	4035	6250	6923	8124	4254	2747	6511	9523	5800	8500	6400	4132	6938	3576
Allamakee	8237	10569	5241	9406	9471	9080	8001	3603	8455	10267	9295	8861	5621	9976	11286	8700	9300	8850	8249	5671	6195
Appanoose	463	4082	1368	3866	2883	3152	2458	1184	2870	4397	5035	2858	372	2941	4444	3300	4300	3350	2388	3537	2875
Audubon	11197	15793	7852	16116	14242	13323	14203	9063	12478	13987	16432	11917	7659	13878	14682	11600	14900	13150	6924	9003	7626
Benton	20371	26202	14065	25493	16693	21111	18818	8962	21042	23779	22419	23024	11089	22677	22790	18500	23200	22300	14386	16307	15996
Black Hawk	18767	22866	10109	24034	15935	18712	13818	9616	17197	20935	21268	17186	11687	18253	20221	17900	20100	17300	15698	13054	13696
Boone	20056	24017	10345	23041	16352	15902	17670	10335	15463	17495	16832	15355	9737	19082	18466	18300	21700	18250	5174	16143	15922
Bremer	15134	18120	8723	19174	14792	15390	11268	6571	12298	15381	16458	13403	7920	14376	17229	14400	14400	13300	12572	10168	9649
Buchanan	19063	26179	12500	27270	22359	23631	19568	11251	20166	23915	22075	21353	12987	22238	23735	21000	23200	19050	17866	16856	15433
Buena Vista	22186	26389	11868	25244	18161	20162	20990	15662	16052	19036	21282	15426	8713	20562	22811	20700	21800	21300	19524	12135	15886
Butler	18249	21336	10066	24094	18277	19907	14032	12827	16684	20834	23788	19295	10870	20286	22321	21000	21500	18700	15163	15373	13917
Calhoun	21986	28684	11956	27385	16762	19012	20596	16202	16724	20796	22376	18005	10524	20292	21547	19500	21500	18500	12743	13469	14867
Carroll	20013	25356	10364	24637	19402	19370	21022	15931	17242	19666	20213	16595	9091	18165	20430	15700	19800	17050	7051	11351	12794
Cass	12642	19045	8299	19806	16387	15764	16224	9947	13592	14827	16042	12658	7661	15029	16407	11400	17700	14750	10308	13584	7932
Cedar	19416	26631	14404	25514	19236	23723	22056	9110	16117	20882	22097	21505	10099	25460	25861	22300	25500	23550	21235	19762	17040
Cerro Gordo	20314	24514	9254	24695	18339	22759	15671	13981	16157	21262	21714	18315	12550	21365	22808	20700	19900	18100	16566	16688	14513
Cherokee	17438	21397	11583	21869	19137	18813	18777	14914	13766	16564	18464	15915	7793	18186	19077	16000	18400	18150	15039	9712	13318
Chickasaw	15534	18787	8250	19163	15968	15808	12041	7166	13927	17418	16169	14002	7865	15065	16840	14800	14800	13250	12158	8375	8507
Clarke	338	4822	942	4598	3753	3746	2542	1249	3710	4493	6260	2522	830	3926	6362	3600	4300	4300	1617	3533	2306
Clay	17469	22626	6894	21206	14925	18073	17555	11595	13924	16330	17786	13706	7347	17792	21401	19200	19000	16650	15671	12228	13215
Clayton	16497	20714	12262	21097	19750	19454	17407	7655	18801	23080	20538	19528	11803	19530	20615	17400	18600	17350	16298	12129	12309
Clinton	24114	31300	17560	27930	20755	25998	23426	8828	18206	25722	26002	25821	13364	28245	28758	25700	27400	23400	21922	19262	20227
Crawford	18726	26298	12447	25490	20885	21297	21042	15045	16096	18905	20206	17797	9155	17972	16427	12200	19300	18750	10758	9241	14040
Dallas	17281	21186	11681	21306	17097	17518	18735	10591	15132	16627	16558	16807	8254	18450	20266	15500	20900	15900	8082	16600	13119
Davis	699	5042	2022	5662	4097	4590	2712	2044	3857	5798	7479	5115	691	5045	6766	5800	7100	5600	2968	5613	4317
Decatur	441	4460	1195	4187	3382	2893	2731	837	3932	6786	7790	4410	896	4574	6496	4000	4600	4700	2254	4175	3039
Delaware	20921	27934	12840	26219	23057	24619	21021	9116	20348	24168	20861	20729	10962	23444	24075	21300	22600	19050	17206	15216	15147
Des Moines	7414	12164	6228	10851	6991	9390	6001	4542	7532	13475	14104	13700	4491	12437	13413	10800	12900	10100	8900	10561	10478
Dickinson	10022	12755	2528	11829	9431	11019	11635	8067	9011	11345	11859	10240	4732	11208	13509	11800	11700	11400	8503	6074	8191
Dubuque	13500	17122	8776	16317	15107	15423	12109	5675	13576	16835	14561	15048	8909	16710	16343	15500	16100	13100	11656	10178	10310
Emmet	13389	16914	2811	15912	11421	13798	14218	10386	11417	16206	16959	12099	6780	14775	16244	15300	13500	13050	11061	8492	10473
Fayette	24203	27860	13980	28916	26554	26410	22854	12128	20615	24371	22906	21083	12515	21180	25560	23600	23700	20900	19338	16576	14794

Table 2. Estimated Bushels (in 1,000s) of Corn Produced 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
Floyd	15826	19631	8840	20201	16297	18334	10648	9386	14364	17597	18366	16158	7817	16059	17865	16800	16800	14700	13550	11632	9775
Franklin	22578	26768	10480	29143	16997	22220	21688	16218	18591	21936	24310	19463	11549	22986	24533	23600	22600	20100	13885	17596	17895
Fremont	9364	16644	6491	18391	14187	12961	13943	11099	10347	14759	14494	10037	5894	9532	13517	10500	14000	11450	6710	12290	8193
Greene	21039	25822	11813	26161	18200	17632	18600	12336	15976	17427	18057	16028	9369	19287	21231	18400	22200	18300	5472	15358	15396
Grundy	20644	24198	11149	26184	18412	18868	15309	12577	18144	17812	19864	16757	11941	20717	21006	18600	20600	18500	14824	17760	16551
Guthrie	11851	16657	7954	16489	13157	12777	14465	9072	11352	14814	16301	13194	6165	13519	14347	10700	13100	11250	5818	8747	7386
Hamilton	23405	28267	11044	27672	18347	19190	24542	10900	17462	19706	20430	15755	10306	20749	23960	21300	23200	19950	12988	17942	17047
Hancock	20669	25805	10818	26440	16758	22427	20469	16886	17463	22564	24026	18094	9823	21655	24697	21200	21200	20450	18488	16477	15196
Hardin	23595	27183	11975	28310	19034	20652	18803	11528	19456	22359	25450	21114	13980	22578	22537	20400	22500	19050	14960	18338	18095
Harrison	16394	23104	14366	25757	18340	17541	14940	13006	17360	19137	21838	16066	8362	18113	16211	13600	19700	18200	12251	12920	13520
Henry	7970	14183	6336	13319	9018	10852	6385	4942	7720	11328	12738	10868	3436	13185	15097	12600	14100	10900	9883	12410	10281
Howard	13170	15024	6026	14033	12400	13847	12647	5612	10730	13915	13038	12313	6927	11130	14543	13000	12200	11350	10395	6945	5527
Humboldt	17291	21329	8445	21491	10782	15375	18289	11861	13693	15413	15522	13594	7522	16807	18514	15200	15800	16200	12091	11768	12690
Ida	14039	17858	9853	18534	15243	16232	16300	13179	12096	15017	17063	15614	7630	15102	14108	8900	14200	15550	12913	7882	11899
Iowa	11606	19749	8716	16951	13684	15111	12965	3156	14483	18008	19135	18062	6585	18467	20628	16500	18400	15300	10649	14904	11041
Jackson	10378	14440	7352	12287	9117	12747	10955	3321	9838	13067	11587	11931	5593	15092	15585	12300	12200	10800	9636	7577	8939
Jasper	20183	26126	14183	25262	18456	20651	19166	11165	19192	19766	22299	22078	9726	21140	22335	17900	21400	19150	8802	18870	14929
Jefferson	3691	10817	4115	10054	7382	8879	6277	3442	6969	10967	11500	10288	1569	9093	10166	7700	9400	7800	6360	8641	6527
Johnson	10452	17613	8093	16658	12366	15130	12013	4921	11537	15995	16691	16885	8231	18649	19969	15700	19200	15800	14633	15728	11755
Jones	16915	22929	11164	20655	16522	18861	15402	5833	15062	20941	20233	20520	9341	20035	21101	17800	18800	16750	14042	11602	13408
Keokuk	8992	17398	8025	15621	11632	13572	12360	4197	13437	16568	16484	14409	3325	15612	17848	15300	17000	15000	9215	14535	11012
Kossuth	38380	47625	18020	48520	25808	38011	39247	28548	30099	36246	37065	30678	17738	37409	40075	36400	35700	33450	25897	25324	27764
Lee	5704	12397	4877	12033	7634	8178	3309	2454	6725	12207	14457	11905	2199	10976	10230	9300	11500	8000	5130	9137	8872
Linn	15203	22073	10696	20703	14178	18979	16463	6056	15077	18356	17314	19306	8000	19731	21473	17400	19800	17000	15140	15196	14151
Louisa	8875	13676	7205	12465	7983	11515	6221	4087	7551	12049	12305	12652	4225	12851	14398	11900	11800	9050	9027	9080	8629
Lucas	470	3468	851	4088	3003	3018	1922	1256	3097	4995	5341	3254	820	3273	5513	3900	4400	3800	1683	4024	2615
Lyon	17827	23444	11335	20570	18122	16624	16467	8745	14472	18856	18629	16057	9514	16050	17272	16900	19400	17000	14184	7946	10982
Madison	5824	10622	3803	10388	8201	8275	9074	4406	7500	12151	12265	8122	4098	7622	10842	8700	9800	8650	2943	8240	5229
Mahaska	12149	19823	8708	17896	12891	14462	13478	5867	14079	14019	16506	14296	4530	15011	16426	14700	17300	13550	6641	14792	11112
Marion	6410	12364	4872	10913	8084	8865	8566	5820	8898	10995	12020	8088	2905	8143	11458	8100	9700	8300	1229	8839	7442
Marshall	18449	22174	11499	23832	18628	19221	18091	9299	18209	18992	19666	17819	10490	19931	19690	19200	20600	16650	6780	17700	16363
Mills	8907	14723	6486	15618	12716	11988	10538	8960	10259	12163	13063	9641	5526	10534	13351	10200	12600	10700	5311	9406	7553
Mitchell	16763	19192	7461	18560	15186	17870	15493	8601	12409	16098	15215	13606	7833	15401	14742	14700	14800	13400	12285	8675	8766

Table 2. Estimated Bushels (in 1,000s) of Corn Produced 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
Monona	13411	21720	12790	23943	16700	18055	17131	13770	15720	18862	19331	15666	9038	19513	17110	12100	16400	19650	13915	9003	13724
Monroe	664	4142	892	3589	2970	3002	2777	1063	2769	4491	4947	3528	644	2579	4352	3300	4500	3600	1854	3967	2709
Montgomery	6815	12600	6061	13616	11269	10572	10565	7488	8740	10223	9888	7385	4913	8397	11283	8200	13300	9850	7077	9735	6146
Muscatine	10645	15996	6720	13922	9035	11618	10165	4578	8514	14837	15372	16214	6917	13614	14199	12200	12600	11400	10680	11259	9735
O'Brien	19701	24339	10214	23336	19252	21439	22247	17293	16819	21079	21396	17795	10754	18421	20847	19400	19800	19650	17021	14472	14809
Osceola	13906	16284	5107	15154	14536	14151	13750	10321	11156	13394	13797	11483	5563	12832	14214	13600	12900	12800	11268	7920	9248
Page	7031	13311	6744	15262	12409	11508	10720	6567	9381	12370	11932	6811	4990	8906	12123	8300	12700	10400	7089	10838	7196
Palo Alto	18183	23675	9005	24474	12834	20622	18675	14084	17199	21846	24084	16452	8751	20474	23310	21500	19400	18350	15532	13863	14495
Plymouth	24054	32165	19611	32738	26530	24972	24489	13291	21983	25466	29053	26063	12454	25471	24096	19600	28500	27150	20042	11826	15335
Pocahontas	22712	28176	11195	26969	17308	19186	22104	14875	16632	20205	24621	15557	8112	22342	24412	20800	21600	20750	16257	13489	15556
Polk	12490	16100	7697	15578	10541	12105	12690	7340	11326	10859	11450	11501	6248	12610	15580	11000	14600	12350	7338	12748	10053
Pottawattamie	23290	35334	17110	37944	32110	28433	22780	19990	27130	31280	34675	28887	12571	25390	27039	24100	27200	26150	19275	20948	15114
Poweshiek	12589	17743	8570	16732	13128	15163	12434	4822	13154	13698	14949	14259	6651	17771	17006	14500	15800	14350	10101	13007	10708
Ringgold	1006	6351	1516	6105	5162	4417	4795	1670	4344	7026	8581	3753	1485	4533	7493	3400	6900	6200	2854	5825	3802
Sac	19610	25951	11812	24748	17089	19239	18946	16507	15210	18132	19863	16028	9490	18666	19584	14500	20900	17600	14178	8582	14085
Scott	15730	20997	12540	19027	14315	16623	16292	6963	13263	16554	17504	18058	10978	20087	20198	18000	18000	16600	15245	15100	13454
Shelby	19168	26614	14290	26243	22963	21752	20709	14306	16938	21898	25929	21117	8856	20972	19332	15900	23100	20000	11180	14112	12743
Sioux	28683	38416	21609	34399	28648	28088	29950	18190	21769	27044	30219	25139	12902	24656	28951	26000	29400	26000	19647	11973	16184
Story	21314	24929	10893	25712	19166	18664	20437	12125	17818	20016	21405	19203	11053	19187	20818	21500	22900	18400	5047	16759	15594
Tama	19649	25469	13192	26175	19787	22278	18201	14510	20198	22452	24294	21677	11708	22682	23671	20100	23100	20650	15575	17665	16755
Taylor	2125	9214	3621	8981	7797	6502	6353	3558	6288	8708	10969	4550	2460	5876	9616	5300	8500	6300	4885	5577	3701
Union	2098	7477	2052	6734	6277	5685	4810	2692	4556	6530	8488	4595	2421	4464	7246	4600	6200	4900	2086	5238	3024
Van Buren	1091	6303	1946	6490	4673	5048	2893	1732	4316	6360	8152	6114	1030	6066	6630	5400	6700	5200	2659	5398	4792
Wapello	2847	8789	2995	8233	5546	6515	5631	2833	5291	6575	6478	5654	1072	6918	8762	6800	8300	6400	5426	7123	5770
Warren	6100	11560	3801	11029	8636	8773	8819	5321	8500	13262	13697	9278	3332	8114	12204	8700	10300	9050	2084	8560	6474
Washington	11648	20208	9333	17996	14161	17568	12081	5026	13826	19808	20341	18229	6651	19920	20848	18800	20900	16900	14796	16039	12722
Wayne	636	6612	1568	6403	4918	4285	3646	1809	4990	8521	10212	5278	857	5303	8710	6100	6800	6150	3525	5953	4266
Webster	26095	32368	13612	30496	20221	21706	25731	14198	19255	21510	21859	17007	13204	22875	26691	24000	25700	23000	15242	18392	18295
Winnebago	15764	19481	7053	19646	11326	16720	15066	11728	12363	15795	15409	13990	7799	14676	16840	13400	14300	13100	11697	10454	10256
Winneshiek	15274	17805	9273	16401	17152	16817	14179	6078	14612	17974	15707	15327	8982	14917	17795	16600	15400	14750	13161	9392	9155
Woodbury	18176	26763	16433	30077	21947	23568	22945	14791	19623	22709	23868	21548	9913	26671	25247	17000	27100	27850	23570	14457	19220
Worth	13736	16466	5851	15358	11636	14801	13393	8973	10856	14540	15656	13281	7315	14085	13600	14000	14300	13300	11936	9972	10541
Wright	22900	27273	11422	28362	15166	21496	23307	15556	17181	20927	21656	19139	10393	21203	24925	21200	24100	22000	17224	17076	17349
State of Iowa	1402200		880000	1427400		1445500		1319500	1707300		743850		1731250		1663700		1092200		1117800		
		1930400		1903650		1562400		898800	1626750		1444800		1578000		1463000		1477750		1173900		

Table 3. Estimated Bushels of Corn Produced Per Acre 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	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	64.6
Adams	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	57.6
Allamakee	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	97.7
Appanoose	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	73.3
Audubon	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	70.5
Benton	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	92.2
Black Hawk	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	95.7
Boone	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	103.4
Bremer	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	90.0
Buchanan	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	100.6
Buena Vista	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	99.6
Butler	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	88.5
Calhoun	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	94.9
Carroll	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	83.1
Cass	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	66.0
Cedar	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	110.3
Cerro Gordo	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	93.3
Cherokee	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	93.0
Chickasaw	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	79.2
Clarke	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	78.4
Clay	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	95.9
Clayton	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	99.5
Clinton	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	107.6
Crawford	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	83.0
Dallas	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	85.7
Davis	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	75.2
Decatur	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	72.5
Delaware	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	103.1
Des Moines	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	108.0
Dickinson	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	87.6
Dubuque	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	99.7
Emmet	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	100.6
Fayette	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	93.8

Table 3. Estimated Bushels of Corn Produced Per Acre 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
Floyd	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	78.8
Franklin	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	105.6
Fremont	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	71.5
Greene	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	95.3
Grundy	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	108.9
Guthrie	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	72.5
Hamilton	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	100.7
Hancock	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	95.0
Hardin	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	106.2
Harrison	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	84.1
Henry	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	105.1
Howard	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	63.3
Humboldt	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	102.3
Ida	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	96.3
Iowa	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	85.4
Jackson	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	95.3
Jasper	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	93.9
Jefferson	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	88.9
Johnson	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	91.7
Jones	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	105.0
Keokuk	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	89.8
Kossuth	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	102.5
Lee	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	90.6
Linn	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	92.8
Louisa	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	103.2
Lucas	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	67.9
Lyon	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	74.0
Madison	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	67.0
Mahaska	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	87.0
Marion	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	87.1
Marshall	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	104.1
Mills	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	79.1
Mitchell	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	79.3

Table 3. Estimated Bushels of Corn Produced Per Acre 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
Monona	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	83.2
Monroe	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	72.4
Montgomery	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	70.9
Muscatine	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	106.4
O'Brien	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	97.3
Osceola	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	91.2
Page	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	70.7
Palo Alto	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	94.8
Plymouth	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	66.5
Pocahontas	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	99.4
Polk	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	86.9
Pottawattamie	107.2	149.3	81.1	156.0	134.2	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	69.5
Poweshiek	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	88.0
Ringgold	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	65.4
Sac	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	88.5
Scott	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	115.0
Shelby	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	77.3
Sioux	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	73.6
Story	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	101.6
Tama	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	99.8
Taylor	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	55.0
Union	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	63.5
Van Buren	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	84.5
Wapello	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	92.9
Warren	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	79.1
Washington	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	92.3
Wayne	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	75.2
Webster	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	96.2
Winnebago	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	91.7
Winneshiek	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	82.1
Woodbury	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	82.9
Worth	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	93.0
Wright	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	104.1
State of Iowa	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	90.0

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested for Grain 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	86	77	77	70	69	66	67	68	63	69	64	63	65	62	61	57	58	55	55	52	55
Adams	55	45	45	44	44	42	44	42	44	53	50	49	45	48	44	39	37	36	35	31	34
Allamakee	10	8	7	5	5	4	5	6	4	4	4	4	4	4	4	3	3	3	2	3	4
Appanoose	38	25	28	25	27	25	26	26	26	29	28	31	31	29	34	41	40	37	34	29	32
Audubon	84	77	75	72	73	68	72	70	68	71	68	73	64	62	56	54	54	49	42	36	41
Benton	144	141	139	135	134	126	132	130	122	129	126	126	127	129	117	114	115	110	100	93	97
Black Hawk	102	102	96	91	99	84	89	85	91	90	90	90	86	95	89	95	95	85	80	68	82
Boone	125	124	116	119	121	112	117	116	117	115	117	122	120	120	121	120	119	110	109	104	111
Bremer	70	70	65	60	62	53	55	54	55	61	56	56	57	60	64	75	74	64	64	51	57
Buchanan	87	85	81	76	75	68	75	70	68	66	61	67	66	76	82	93	94	78	73	62	76
Buena Vista	145	145	137	137	145	135	131	131	123	127	124	127	122	131	126	133	132	126	120	111	117
Butler	101	99	93	89	101	81	86	88	82	93	84	88	87	96	103	114	110	95	91	81	83
Calhoun	159	155	153	149	170	148	152	149	144	145	138	149	141	143	140	149	151	143	142	134	142
Carroll	128	124	121	118	114	111	115	117	110	104	97	103	102	108	103	103	101	92	91	81	86
Cass	97	92	90	87	87	85	87	84	80	78	76	75	78	81	72	70	68	63	63	61	61
Cedar	90	87	82	80	74	74	78	75	70	79	73	73	70	72	71	75	72	69	59	55	66
Cerro Gordo	111	112	108	97	112	99	103	100	101	120	112	118	109	115	110	112	114	110	103	94	97
Cherokee	122	121	114	112	109	103	106	106	96	103	97	96	93	96	95	96	95	88	84	71	77
Chickasaw	81	77	73	67	71	61	63	63	58	63	60	67	68	71	76	75	74	65	62	53	59
Clarke	26	22	21	24	27	25	26	25	27	32	32	34	34	33	28	32	31	29	24	22	24
Clay	132	129	115	126	129	123	128	130	120	131	125	128	116	125	120	128	127	119	114	106	112
Clayton	12	9	8	6	5	4	5	7	7	5	5	5	5	5	6	7	7	6	5	3	4
Clinton	84	83	77	77	75	73	77	65	66	76	71	72	65	66	67	69	70	64	57	46	54
Crawford	127	115	112	107	114	104	109	106	92	94	88	89	89	97	88	82	82	69	69	55	60
Dallas	112	112	108	106	108	101	108	104	102	108	109	109	108	118	112	106	108	98	92	88	95
Davis	37	29	28	25	30	28	31	33	36	44	42	43	44	41	41	51	50	44	40	34	34
Decatur	34	26	27	24	27	26	31	32	33	41	39	43	39	41	38	40	38	37	25	21	24
Delaware	42	39	34	31	28	28	29	28	25	27	25	25	24	25	28	33	30	26	25	22	27
Des Moines	72	62	60	60	58	53	58	51	48	48	46	47	49	55	48	57	55	50	45	43	50
Dickinson	77	80	72	74	81	71	73	74	73	73	72	73	73	80	78	84	81	76	73	70	71
Dubuque	9	8	7	6	5	5	5	5	4	3	3	3	3	3	3	2	2	2	1	2	3
Emmet	97	96	82	89	97	89	90	90	89	93	92	93	92	96	91	97	97	94	91	81	87
Fayette	89	85	79	74	75	68	68	70	71	77	74	77	72	76	80	88	86	76	70	56	65

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested for Grain 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
Floyd	102	101	96	92	95	93	96	96	93	108	103	111	106	110	106	105	105	97	91	86	90
Franklin	127	126	122	116	144	116	124	122	117	139	128	129	121	124	116	124	127	116	113	98	104
Fremont	117	109	67	105	106	104	105	108	108	107	104	97	98	115	108	113	109	100	91	78	83
Greene	147	145	142	141	145	134	143	142	139	140	134	144	133	139	130	135	137	128	129	120	123
Grundy	126	127	123	118	123	110	107	104	108	120	117	120	107	105	101	105	107	100	89	84	88
Guthrie	86	78	77	75	80	75	79	77	73	72	69	76	73	74	70	66	66	64	64	57	61
Hamilton	139	141	133	134	145	128	131	131	127	127	126	131	129	144	141	147	144	134	129	126	129
Hancock	120	122	114	112	130	117	122	117	116	135	132	136	127	131	122	125	126	126	124	118	121
Hardin	117	118	114	111	124	106	112	111	110	119	115	122	107	115	109	111	113	101	94	87	99
Harrison	132	126	122	117	120	118	123	119	108	106	108	112	108	122	113	109	110	93	83	75	81
Henry	71	60	57	56	56	55	56	51	52	64	61	60	55	54	55	58	57	55	48	45	52
Howard	77	75	71	65	73	66	69	71	67	78	72	75	73	76	74	73	75	64	58	47	56
Humboldt	116	113	113	107	136	106	112	107	106	106	107	112	109	121	108	110	111	110	107	100	105
Ida	89	85	80	79	77	72	75	75	73	74	74	75	66	65	62	62	59	54	52	44	50
Iowa	65	53	53	51	46	45	52	49	46	56	51	50	42	47	43	46	45	40	37	33	39
Jackson	12	10	9	8	9	9	10	10	9	9	9	9	9	9	9	10	9	9	7	6	7
Jasper	115	109	97	101	103	94	104	102	105	113	104	106	97	101	90	88	85	80	72	70	75
Jefferson	70	56	55	53	56	54	60	54	57	70	66	65	57	60	58	57	57	54	52	48	51
Johnson	70	65	60	60	58	57	59	55	57	60	55	58	51	54	55	62	62	57	53	47	52
Jones	54	50	48	45	45	43	45	43	42	43	42	44	41	41	43	44	41	37	32	28	34
Keokuk	85	70	66	64	61	56	64	65	61	64	61	63	61	67	68	64	63	55	48	43	51
Kossuth	240	238	223	215	267	229	236	234	235	271	270	265	255	255	241	247	248	247	238	217	235
Lee	75	59	52	57	60	53	59	58	60	63	58	57	58	65	64	64	62	58	45	39	44
Linn	94	92	89	86	85	82	90	86	85	92	88	88	89	99	96	95	95	85	75	65	74
Louisa	69	65	59	61	57	54	59	54	53	58	53	55	51	56	52	50	49	47	47	43	52
Lucas	23	18	19	18	21	19	21	22	21	27	26	28	25	25	22	26	25	24	19	20	21
Lyon	126	125	113	117	115	113	120	113	109	112	114	119	105	108	105	102	99	82	77	71	74
Madison	61	54	57	52	56	52	54	54	49	57	56	60	52	59	57	57	55	51	48	44	43
Mahaska	96	84	73	79	78	71	80	81	75	83	76	72	74	77	79	77	77	72	65	61	67
Marion	68	61	59	57	59	55	60	57	55	58	53	56	54	55	54	56	53	52	42	39	43
Marshall	96	90	88	83	87	79	88	85	85	94	93	91	90	90	87	84	86	75	70	61	69
Mills	91	87	67	83	84	80	84	85	84	98	93	91	80	87	77	79	77	74	73	64	67
Mitchell	87	86	85	79	83	74	75	75	75	80	81	89	84	86	86	94	95	79	73	68	76

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested for Grain 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
Monona	127	118	106	109	116	109	110	112	101	109	106	109	102	104	100	100	97	90	85	74	78
Monroe	28	18	20	17	18	18	20	19	20	23	21	23	22	23	23	26	26	25	22	19	21
Montgomery	86	75	71	74	75	71	74	72	76	78	72	70	66	76	70	67	70	65	63	58	61
Muscatine	66	61	52	58	58	53	57	54	51	58	55	53	53	53	51	50	51	50	44	44	49
O'Brien	147	147	139	141	140	135	137	134	127	136	133	138	130	135	126	137	131	125	118	109	118
Osceola	109	109	98	102	103	99	106	101	94	94	93	101	94	99	98	103	99	89	84	77	80
Page	99	87	85	87	92	90	92	90	90	88	84	91	86	94	86	83	88	81	81	72	80
Palo Alto	130	130	117	124	156	126	135	133	132	134	131	139	129	136	135	146	145	136	132	125	132
Plymouth	167	165	153	149	152	143	147	136	130	131	126	132	117	126	127	119	112	97	91	78	83
Pocahontas	163	160	157	152	168	145	152	148	144	148	147	154	146	152	147	154	154	147	151	143	147
Polk	83	82	72	80	80	75	79	77	76	81	81	84	75	88	89	94	91	84	84	79	83
Pottawattamie	184	174	166	165	171	162	167	163	158	160	162	155	146	160	143	140	129	125	119	115	124
Poweshiek	87	80	81	77	78	72	80	79	80	89	81	79	78	78	71	70	70	64	57	54	61
Ringgold	51	38	34	36	40	40	42	43	44	55	52	57	55	59	51	52	50	49	38	34	38
Sac	135	132	130	124	131	119	125	123	122	124	117	124	109	120	110	109	109	100	97	85	92
Scott	55	55	51	49	46	48	49	41	40	47	42	42	40	38	38	42	42	39	38	33	39
Shelby	111	104	101	96	96	92	98	95	88	89	88	96	84	85	80	78	77	64	62	55	60
Sioux	156	155	139	142	138	129	137	127	121	121	117	125	111	111	101	104	100	86	77	66	71
Story	133	133	126	125	127	121	124	120	121	126	122	131	123	136	133	131	130	117	112	109	114
Tama	112	106	106	100	105	96	107	104	105	113	109	109	98	111	105	105	105	95	88	77	84
Taylor	71	58	57	53	57	53	56	58	63	74	69	67	65	67	63	57	59	56	47	40	46
Union	49	37	36	36	36	32	33	34	31	36	33	36	32	34	29	31	30	28	25	23	24
Van Buren	46	37	39	37	39	37	40	38	39	48	47	50	50	47	45	47	46	45	37	34	37
Wapello	58	46	42	45	48	45	46	45	46	46	45	47	48	52	52	54	53	46	46	42	46
Warren	63	56	54	53	57	49	53	52	50	51	49	53	54	61	53	56	56	54	38	38	43
Washington	97	83	77	78	72	69	74	73	70	70	69	70	63	72	68	72	71	64	57	55	66
Wayne	51	42	43	37	39	38	40	41	41	50	48	52	52	50	54	54	51	49	36	36	40
Webster	181	177	174	171	182	166	176	170	166	173	169	181	172	178	173	179	181	172	165	159	163
Winnebago	89	88	85	76	103	84	84	84	84	98	96	94	91	97	93	106	105	97	100	88	90
Winneshiek	33	26	24	20	19	16	18	20	18	18	17	17	18	19	18	18	19	16	15	12	15
Woodbury	130	114	108	100	106	94	96	93	91	93	90	96	86	101	92	88	82	74	71	60	68
Worth	81	82	79	74	80	71	72	72	73	85	82	85	83	91	85	92	92	82	78	73	78
Wright	153	154	150	142	171	141	147	142	142	160	161	160	156	162	153	165	160	151	144	139	140
State of Iowa	9260	8770	8300	8170	8630	7900	8280	8100	7900	8450	8150	8400	7960	8400	8050	8270	8170	7550	7080	6450	6970

Table 5. Estimated Bushels (in 1,000s) of Soybeans Produced 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	2574	3869	2406	2902	2920	2415	2573	1936	2771	2906	2529	1597	2290	2026	2639	2120	2010	1850	1713	1571	1536
Adams	1536	2199	1480	1802	1797	1606	1549	949	1794	2098	1923	954	1196	1390	1769	1370	1340	1120	1086	975	1009
Allamakee	427	396	246	179	212	185	199	175	158	161	123	127	154	132	146	130	120	110	80	81	106
Appanoose	1107	1029	759	933	834	825	726	610	972	1099	999	730	612	754	1051	1130	1350	1000	1048	805	916
Audubon	3714	4058	2595	3223	3255	2742	2955	2276	3049	2882	2703	2242	2367	2274	2434	1910	2020	1940	1382	1022	1298
Benton	6297	7317	4982	5965	5954	5718	5316	3159	5848	5680	4822	4292	4897	5100	4956	4730	4790	4430	3493	2973	3471
Black Hawk	5067	5424	3285	4231	4124	3812	3144	2332	4410	4068	3554	2787	3395	3588	3692	3950	3660	3230	2832	2092	2780
Boone	6110	6503	3766	5473	5044	4529	4851	2771	5426	4858	4647	4256	5014	4727	5091	5180	4800	4670	2602	3297	3977
Bremer	3472	3635	2146	2798	2634	2461	1867	1409	2492	2633	2178	1744	2181	2113	2182	2730	2590	2370	2383	1574	1810
Buchanan	3756	4436	2961	3396	3567	3087	2751	1914	3237	2882	2126	2060	2395	2733	3138	3710	3590	2970	2716	1982	2503
Buena Vista	6934	7602	4168	6370	5786	5588	5777	5074	5280	5331	4855	4005	3953	4901	5388	5410	4880	5180	5157	3048	4395
Butler	4840	4899	2763	4075	4021	3388	2906	2786	3680	3959	3183	2743	3220	3403	3843	4580	3850	3390	3157	2548	2652
Calhoun	7505	8520	4426	6829	6290	5948	6359	5521	6776	6031	5263	4625	5155	5497	5622	6440	5950	5760	4756	3889	4897
Carroll	5818	6542	3832	5443	4679	4545	4468	4352	4943	4647	3952	3447	3675	4047	4550	4210	4010	3840	2782	2408	3050
Cass	3476	4609	2778	3685	3671	3361	3443	2417	3381	3318	2867	1987	2738	2747	3009	2490	2580	2280	2249	1816	1879
Cedar	4085	4893	3175	3586	3674	3636	3675	2573	3267	3392	3290	2967	2835	3072	3306	3330	3170	2800	2524	2040	2545
Cerro Gordo	5013	5353	2615	4076	4213	4374	3258	3395	4376	4927	3837	3580	4021	4120	3759	4240	4140	3930	3832	3010	3235
Cherokee	5768	6333	4247	5223	5300	4702	4664	4540	4300	4673	3787	3435	3524	3735	4010	4070	3770	3690	3467	2185	2958
Chickasaw	4022	3812	2001	2806	2968	2626	2189	1583	2547	2406	1740	1895	2351	2207	2376	2490	2450	2280	2311	1358	1661
Clarke	634	984	464	872	948	843	742	646	937	934	1223	750	713	930	996	1050	930	920	714	666	650
Clay	5876	6421	2268	5556	5079	5471	5310	4624	5133	5052	4421	4127	4071	4366	4559	4790	4750	4390	4505	3142	3899
Clayton	601	444	284	268	240	192	215	167	321	197	178	183	171	177	216	260	240	210	213	104	133
Clinton	4100	4531	3020	3616	3514	3637	3554	1836	3098	3150	2963	2655	2444	2787	3104	3110	3130	2390	2468	1495	2011
Crawford	5487	6076	4126	4699	4766	4488	4050	4006	3711	4108	3251	2877	3183	3690	3426	2760	3010	2870	2329	1417	2149
Dallas	4929	5896	3854	4669	4460	4211	4536	2553	4686	4452	3898	3513	3886	4665	5056	4450	4230	3430	2791	2653	2871
Davis	1127	1225	866	1034	1055	1004	737	811	1243	1584	1526	1121	796	1121	1375	1590	1790	1360	1217	984	988
Decatur	969	1215	580	859	1020	813	833	599	1244	1579	1388	863	627	1191	1410	1240	1190	1130	761	652	668
Delaware	1952	2077	1292	1396	1317	1246	1210	718	1221	1232	878	741	768	932	1131	1360	1180	990	1004	685	887
Des Moines	2603	3162	2328	2707	2424	2406	2204	1726	1870	2066	1918	1676	1743	2188	2021	2230	2290	1880	1796	1541	1869
Dickinson	3312	3829	1185	3014	3181	2948	2988	2485	3014	2885	2405	2324	2501	2756	2880	3340	2880	2850	2460	1835	2236
Dubuque	404	399	250	243	217	212	216	140	196	134	106	124	91	105	122	110	90	65	55	61	90
Emmet	4169	4587	1191	3838	3433	3981	3766	3161	3993	4000	3337	2793	3439	3527	3549	4000	3100	3670	3531	2432	3054
Fayette	4463	4241	2634	3180	3418	3018	2852	2118	3339	3259	2829	2551	2628	2613	2946	3580	3050	2800	2624	1802	2070

Table 5. Estimated Bushels (in 1,000s) of Soybeans Produced 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
Floyd	4872	4800	2919	3950	3816	4175	2669	2867	3997	4238	3462	3527	3812	3668	3423	3630	3470	3500	3443	2551	2652
Franklin	5876	6073	3196	5146	5279	4686	4995	4117	5279	6014	4952	4414	4635	4671	4137	4960	4850	4280	3979	3412	3934
Fremont	3974	5348	2294	4565	4414	3727	3406	3544	4257	4791	4191	2291	3482	3719	4620	4190	4100	3220	3107	2562	2603
Greene	6923	7702	4570	6706	5796	5360	5740	3964	6549	5975	5513	4985	5266	5473	5753	5680	5600	5510	3278	3581	4442
Grundy	6572	6610	4400	5689	5319	4847	4301	3653	5467	5509	4857	4091	4601	4326	4270	4570	4430	4220	3383	3036	3509
Guthrie	3485	4001	2469	3199	3290	2977	3049	2230	3155	2876	2567	2212	2552	2720	2938	2390	2360	2360	2022	1528	1799
Hamilton	6779	7425	3577	6293	5836	5024	6005	3184	5508	5279	5065	4480	4840	5351	6204	5880	5840	5240	3759	4132	4469
Hancock	5308	5452	2863	4631	4459	4757	4492	4166	5012	5558	4662	4303	4639	4861	4483	4890	4370	4590	4644	3998	4200
Hardin	5913	6284	3403	5188	4858	4801	4459	2955	5208	5332	4780	4477	4357	4361	4369	4510	4580	4130	3188	2770	3583
Harrison	4917	6493	4254	5185	4480	4332	3898	3436	4393	4246	4489	2843	3498	4402	4434	3600	3940	3600	3143	2021	2850
Henry	2827	3280	2260	2570	2482	2288	2069	1622	2042	2692	2509	2108	1754	2107	2336	2270	2400	2080	1964	1624	1977
Howard	3524	3516	1583	2218	2818	2653	2554	1689	2803	2770	1950	2198	2367	2239	2513	2490	2390	2160	2137	1141	1172
Humboldt	5579	5674	3053	4977	4927	4815	5182	3709	4915	4245	4008	3859	3949	4721	4481	4290	4020	4160	3875	3293	3994
Ida	4062	4573	3166	3515	3302	3106	3089	2951	2975	3371	2958	2543	2339	2497	2543	2130	2270	2260	2094	1255	1860
Iowa	2484	2781	1767	2063	1965	1814	1927	1089	2092	2212	2061	1727	1429	1697	1809	1760	1760	1320	1279	1068	1292
Jackson	487	479	336	331	414	398	413	237	394	362	309	280	319	346	375	430	360	290	255	164	218
Jasper	5505	5924	3498	4620	4469	4187	4151	3197	4923	4539	4147	3511	3863	3882	3966	3750	3380	3070	2511	2391	2577
Jefferson	2581	2878	1910	2256	2269	2055	2032	1295	2185	2611	2494	2110	1490	2010	2235	2160	2150	1860	1849	1598	1629
Johnson	2716	3375	1952	2490	2384	2519	2404	1466	2296	2323	2106	1873	1714	2053	2432	2480	2530	2040	2041	1659	1789
Jones	2347	2617	1770	1943	2182	2054	1712	1022	1956	1847	1602	1556	1456	1682	1903	1890	1740	1440	1296	856	1236
Keokuk	3430	3734	2479	2657	3009	2343	2372	1698	2706	2604	2459	2040	1814	2569	2863	2740	2490	1980	1824	1429	1661
Kossuth	10548	0625	4875	9183	8436	9667	9671	8762	10656	11440	10244	8669	9603	9655	8689	10130	8440	8700	8601	7348	8591
Lee	2840	3085	1901	2571	2210	1848	1654	1616	2054	2421	2308	1886	1626	2477	2355	2380	2480	1910	1681	1207	1467
Linn	3666	4720	2958	3703	3693	3558	3502	1939	3845	3763	3206	2871	2853	3830	4165	3900	3860	3220	2838	2064	2498
Louisa	2618	3436	2131	2671	2387	2394	2165	1444	1908	2296	2018	2065	1619	2183	2197	2120	1960	1680	1720	1409	1731
Lucas	657	769	467	689	734	617	608	612	808	945	979	549	622	688	793	780	790	670	538	551	575
Lyon	5468	6623	2985	4780	5002	4139	4817	3725	4638	4465	4071	4163	3754	3946	4232	3890	3840	3370	3152	1981	2724
Madison	2212	2880	1587	2258	2227	1953	2092	1325	2125	2360	1887	1378	1627	1889	2372	2200	1880	1730	1286	1378	1220
Mahaska	4108	4653	2803	3445	3590	3088	3127	2346	3287	3477	3155	2200	2572	2972	3247	3220	2980	2580	2550	2071	2242
Marion	2452	3222	2018	2460	2451	2253	2127	1930	2421	2336	2117	1520	1772	1877	2309	2200	1980	1810	1310	1244	1442
Marshall	4862	5045	3167	3936	3897	3609	3855	2343	4318	4247	3889	3233	3861	3520	3832	3700	3490	3110	2003	2070	2523
Mills	3101	4277	2166	3625	3544	3140	2740	2332	3268	4093	3525	2150	2740	2967	3009	2970	2880	2720	2686	1972	2623
Mitchell	4218	3871	1878	3233	3514	3233	2824	2164	3277	3232	2568	2741	3052	2921	2690	2710	3010	2910	2760	1734	2153

Table 5. Estimated Bushels (in 1,000s) of Soybeans Produced 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
Monona	4427	5958	3572	4815	3590	4004	4183	3563	3968	4360	3900	2733	2657	3790	3719	2660	3290	3200	3229	1655	2600
Monroe	832	875	556	622	692	604	556	446	787	838	697	543	520	606	819	890	890	700	690	578	593
Montgomery	2435	3595	2248	3216	3121	2709	2716	2028	2874	3277	2630	1541	1859	2426	2736	2400	2620	2300	2175	1680	1937
Muscatine	2767	3174	1899	2426	2142	2336	2296	1504	1989	2331	2120	1876	1879	2018	2185	2110	1960	1770	1637	1506	1756
O'Brien	6751	7030	3223	6227	6546	5737	6069	5754	5597	5649	4894	4986	4789	4682	5139	5400	5230	4850	4778	3711	4370
Osceola	4756	5019	1838	4104	4608	4084	4236	3774	4109	3526	3081	3630	3332	3609	3462	4040	3550	3560	3368	2220	2855
Page	2776	3841	2661	3756	3624	3310	3001	2028	3353	3771	3257	1859	2722	2835	3418	2600	3150	2320	2665	2290	2269
Palo Alto	5679	5889	2201	5524	4997	5699	5392	4761	5810	5609	4709	4174	4396	5102	5138	5600	4660	5220	4806	3929	4446
Plymouth	7569	8937	6305	6711	6900	6460	5725	4368	5610	5653	5030	4706	3997	4833	5087	4330	4710	4070	3333	2100	2945
Pocahontas	7677	8079	3964	6823	5998	5453	6554	5423	5586	5949	5819	4853	4772	5823	5960	5890	5070	6230	5744	4237	5404
Polk	4087	4480	2458	3583	3240	3031	3229	1981	3536	3276	2859	2617	2809	3388	3864	3810	3430	3100	2528	2445	2489
Pottawattamie	7116	9159	6071	7385	7251	6624	5320	4477	6492	7047	6449	4727	5177	5938	5961	5025	4785	4910	4589	3487	4008
Poweshiek	3583	4320	2737	3300	3481	3091	3073	1940	3685	3471	3171	2697	2944	2951	3097	2870	2720	2340	2038	1824	2060
Ringgold	1269	1832	831	1345	1408	1151	1344	988	1604	1951	1969	1277	1193	1534	1973	1760	1530	1450	1173	1064	1051
Sac	6228	7304	4969	5652	5082	4954	5300	4852	5366	5542	4581	3888	3746	4475	4564	3870	4130	3740	3603	2202	3141
Scott	2707	3148	2171	2317	2350	2308	2303	1475	1930	2181	1903	1775	1655	1638	1764	1870	1790	1560	1568	1258	1575
Shelby	5027	5483	3686	4233	4288	3871	3809	2918	3796	3955	3576	3001	3046	3269	3425	2840	3070	2690	2269	1628	2109
Sioux	7367	8721	5030	6425	6715	5722	6210	5180	5495	5430	4770	4787	4109	4276	4373	4230	4280	3600	3074	2051	2598
Story	6484	7124	4035	5839	5114	4968	5151	2898	5734	5046	4525	4309	4891	5248	5879	5530	5090	4860	2473	3545	3946
Tama	5197	5622	3752	4352	4582	4214	4114	3597	5056	4991	4120	3628	4030	4138	4539	4520	4200	3890	3216	2566	3080
Taylor	1708	2803	1666	2024	1981	1532	1638	1149	2192	2663	2745	1384	1480	1794	2340	1710	1960	1530	1376	1143	1154
Union	1134	1734	964	1410	1464	1224	1120	773	1253	1236	1227	722	879	943	1172	1070	940	820	730	732	687
Van Buren	1545	1707	1249	1542	1461	1237	1127	918	1398	1719	1681	1552	1231	1506	1488	1470	1550	1350	1069	1039	1160
Wapello	2238	2307	1494	1898	2041	1623	1620	1293	1866	1815	1687	1250	1260	1722	2093	2140	2040	1520	1680	1447	1464
Warren	2234	2889	1393	2249	2144	1941	1807	1562	2092	2055	1749	1437	1690	1846	2186	2090	1960	1800	1118	1123	1237
Washington	3993	4678	3019	3464	3509	3075	2941	2121	3064	2981	2903	2615	2389	2945	3085	3240	2980	2370	2180	1978	2316
Wayne	1430	1796	1056	1303	1338	1110	1118	952	1542	1908	1661	1046	936	1311	1775	1710	1660	1490	1138	988	1130
Webster	9089	9272	4683	7743	7330	6350	7925	4751	7443	7343	6569	6202	6547	7012	7766	7660	7220	7340	5750	5026	5811
Winnebago	3707	3820	1869	3022	3392	3398	3035	2900	3274	3685	3079	2962	3013	3351	2597	3530	3260	2900	3710	2809	2956
Winneshiek	1542	1265	728	710	797	698	678	510	767	724	524	520	625	588	639	700	640	550	535	328	401
Woodbury	4933	5715	3735	4446	3570	3684	3914	2823	3666	3610	3405	2516	2365	3731	3330	2700	2960	2690	2621	1479	2317
Worth	3667	3565	1820	2930	2889	3038	2847	2384	3092	3351	2676	2734	3039	3152	2386	2870	3400	3100	2755	2044	2357
Wright	7168	7388	3789	6392	6402	6175	6585	5018	6194	6680	5927	5429	5712	6226	6312	6280	6100	5790	5488	4597	5270
State of Iowa	398180	447270	257300	359480	349515	327850	322920	251100	343650	350675	309700	264600	278600	306600	322000	318395	306375	283125	251340	199950	236980

Table 6. Estimated Bushels of Soybeans Produced Per Acre 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	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	27.7
Adams	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	29.9
Allamakee	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	28.6
Appanoose	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	28.4
Audubon	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	31.5
Benton	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	35.7
Black Hawk	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	33.9
Boone	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	35.9
Bremer	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	31.8
Buchanan	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	32.8
Buena Vista	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	37.7
Butler	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	32.1
Calhoun	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	34.5
Carroll	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	35.6
Cass	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	30.8
Cedar	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	38.4
Cerro Gordo	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	33.2
Cherokee	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	38.6
Chickasaw	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	28.1
Clarke	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	26.7
Clay	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	34.8
Clayton	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	31.7
Clinton	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	37.6
Crawford	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	35.6
Dallas	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	30.3
Davis	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	28.8
Decatur	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	27.9
Delaware	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	33.0
Des Moines	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	37.2
Dickinson	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	31.3
Dubuque	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	33.3
Emmet	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	34.9
Fayette	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	31.7

Table 6. Estimated Bushels of Soybeans Produced Per Acre 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
Floyd	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	29.6
Franklin	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	37.7
Fremont	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	31.2
Greene	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	36.1
Grundy	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	39.7
Guthrie	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	29.3
Hamilton	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	34.8
Hancock	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	34.7
Hardin	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	36.3
Harrison	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	35.2
Henry	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	37.7
Howard	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	20.8
Humboldt	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	38.2
Ida	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	37.3
Iowa	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	33.0
Jackson	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	32.5
Jasper	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	34.5
Jefferson	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	32.0
Johnson	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	34.7
Jones	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	36.8
Keokuk	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	32.3
Kossuth	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	36.6
Lee	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	33.1
Linn	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	33.8
Louisa	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	33.6
Lucas	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	27.6
Lyon	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	36.7
Madison	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	28.6
Mahaska	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	33.7
Marion	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	33.2
Marshall	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	36.7
Mills	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	39.2
Mitchell	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	28.3

Table 6. Estimated Bushels of Soybeans Produced Per Acre 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
Monona	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	33.4
Monroe	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	28.4
Montgomery	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	31.5
Muscatine	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	35.8
O'Brien	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	37.2
Osceola	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	35.6
Page	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	28.3
Palo Alto	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	33.7
Plymouth	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	35.7
Pocahontas	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	36.8
Polk	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	30.0
Pottawattamie	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	32.5
Poweshiek	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	33.6
Ringgold	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	28.0
Sac	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	34.3
Scott	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	40.7
Shelby	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	35.3
Sioux	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	36.9
Story	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	34.6
Tama	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	36.7
Taylor	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	25.3
Union	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	28.2
Van Buren	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	31.1
Wapello	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	32.1
Warren	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	29.0
Washington	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	35.3
Wayne	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	28.3
Webster	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	35.8
Winnebago	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	33.0
Winneshiak	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	26.4
Woodbury	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	34.0
Worth	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	30.1
Wright	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	37.8
State of Iowa	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	34.0

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 6.5 million acres of soybeans were harvested; nearly 9.3 million acres were harvested in 1995, which was nearly a half million 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; the figures for the two most recent years were substantially above all others, however. The 1993 yield of 257 million bushels was smaller than all but the harvests in 1975-1977 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 1979-1995 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 and eight above the 43 reported in 1995. 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 1995 was at least 45 bushels per acre in 41 counties (Figure 4); six of these (Clayton, Fayette, Grundy, Hardin, Marshall, Webster) topped 50 bushels per acre. Thirty-four counties harvested fewer than 40 bushels of soybeans per acre in 1995, with Union the lowest at 23.2.

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 590,000 acres in 1983 to more than six million in 1976. Differences vary from 4.5 to 5.8 million acres in 11 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 1990-1994 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, 1975-1995.

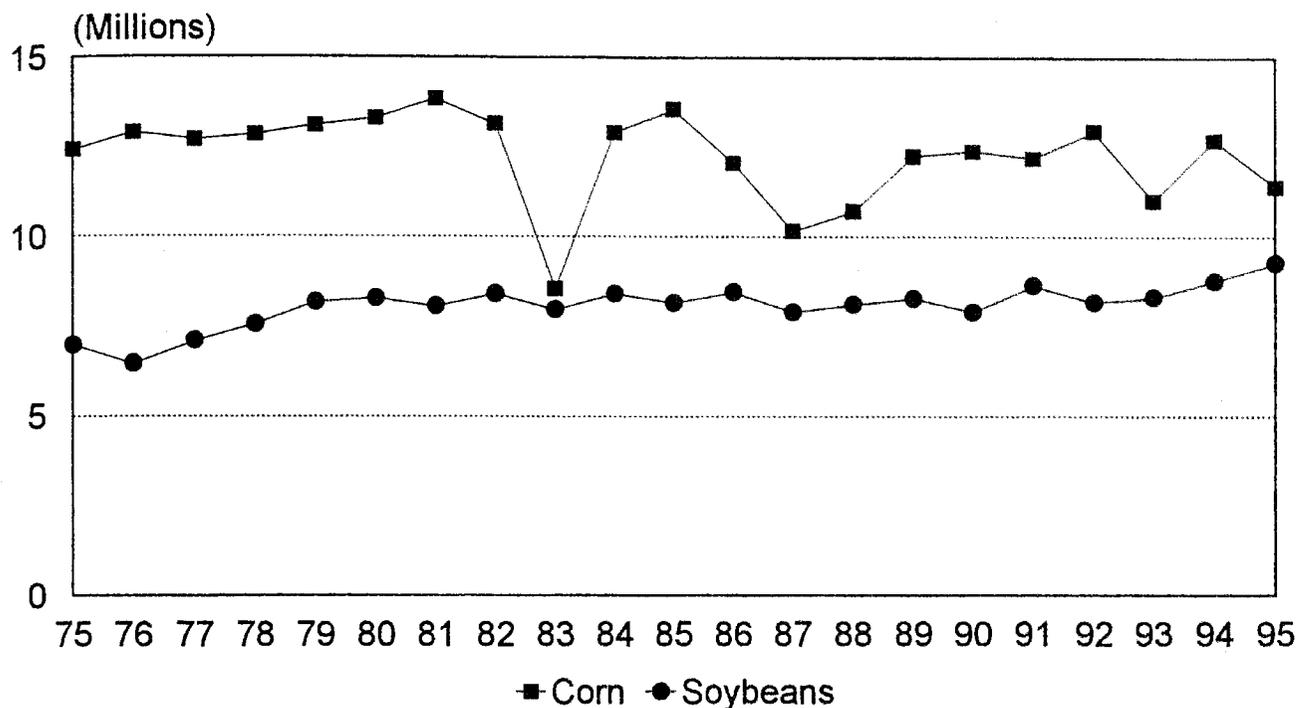


Figure 2. Bushels of corn and soybeans per acre in Iowa, 1975-1995.

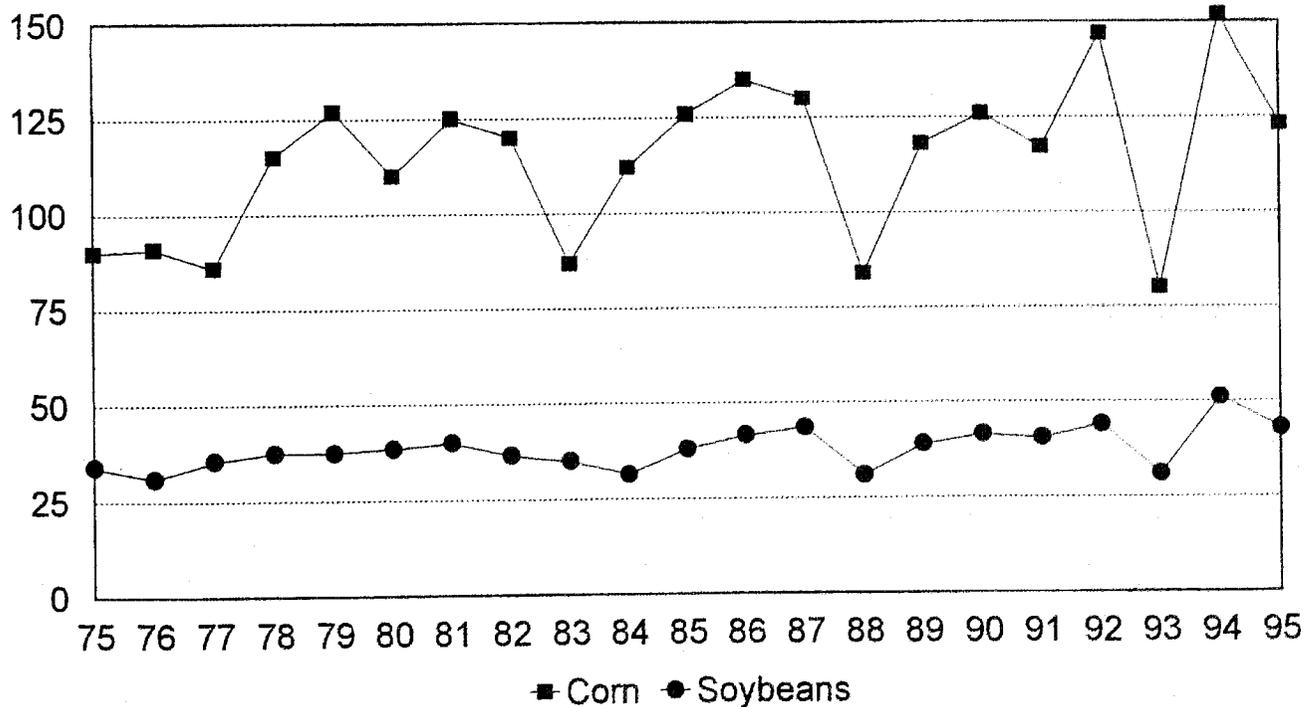


Figure 3. Bushels of corn harvested for grain per acre, 1995.

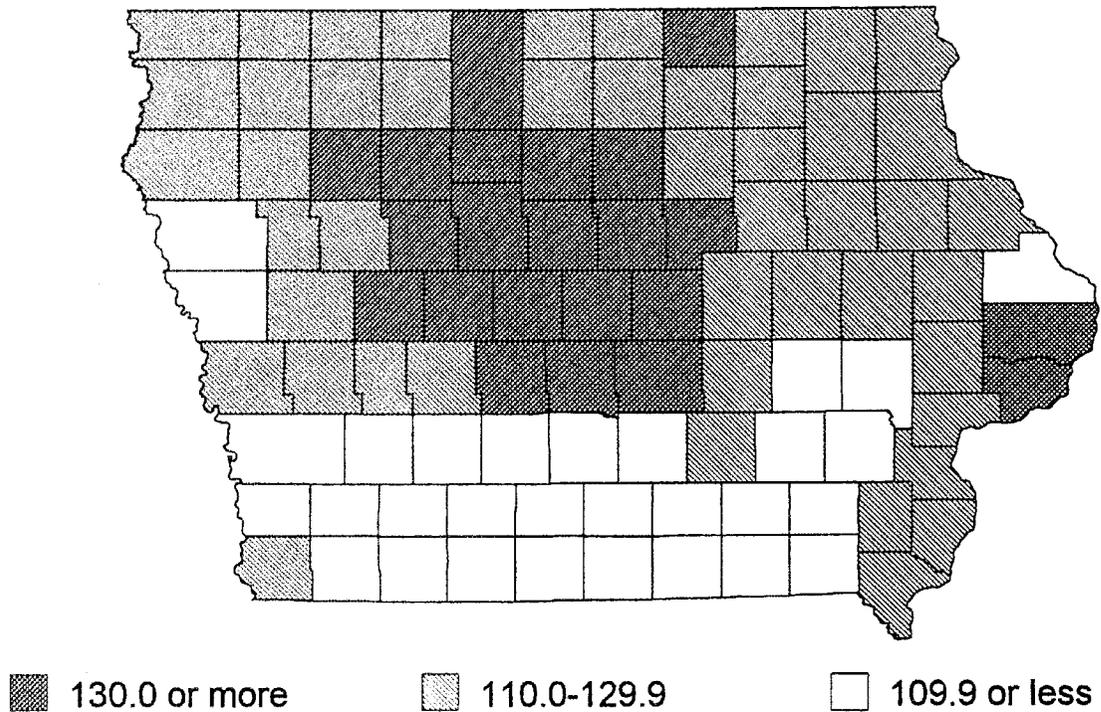
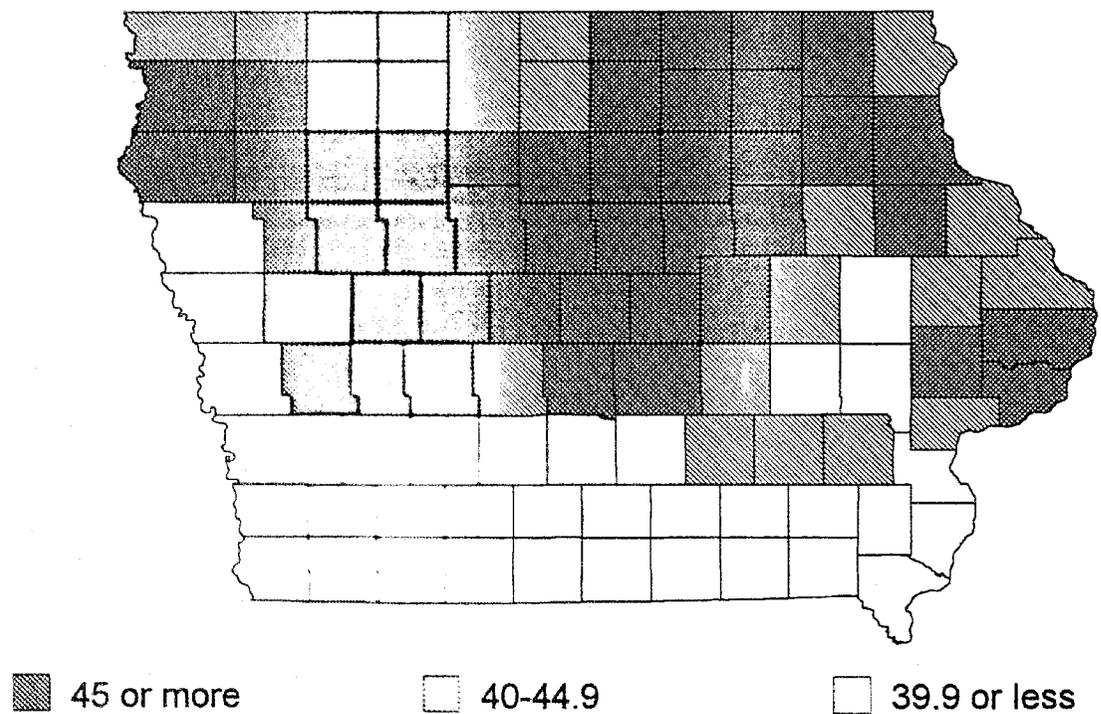


Figure 4. Bushels of soybeans per acre, 1995.



Federal Funds in Iowa's Counties: 1985-1995

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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 \$13.0 billion in Iowa for 1995 (Table 1). The second area includes other federal assistance, which amounted to \$5.3 billion. Both of these general areas include subcategories that provide more detailed breakdowns of these expenditures.

Direct Federal Expenditures or Obligations

In 1995, direct federal expenditures or obligations exceeded \$100 million in 20 counties. Polk was the leader with \$2.2 billion; no other county topped \$1 billion. In 15 counties, the amount of federal funds received through direct federal expenditures or obligations was less than \$40 million in 1995; they were under \$30 million in Adams, Osceola, and Ringgold. In 1985, \$7.5 billion came to Iowa through direct federal expenditures or obligations (Table 7); this increased to approximately \$10.1 billion in 1990 (Table 6) and grew each year through 1994. Federal expenditures in Iowa were \$145 million less in 1995 than they had been in 1994. From 1985 to 1995, these expenditures increased by 72.9 percent.

The \$2.2 billion for grants awarded within counties in 1995 accounted for 16.8 percent of the total direct federal expenditures or obligations in Iowa. These funds increased each year from 1990 to 1994 and decreased in 1995 (Tables 1-6), with the subtotal nearly \$1.1 billion higher in 1995 than in 1985. This subcategory includes a large number of federal programs in several areas (see notes at the end of this section). In 1995, 27 counties received at least \$10 million in grant awards from federal sources. Polk (\$596 million), Johnson (\$129 million), and Black Hawk (\$117 million) had the largest shares in this subcategory. Adams, Grundy, Ida, Osceola, Ringgold, and Worth received less than \$3 million in grant awards. Five counties (Black Hawk, Johnson, Polk, Scott, Story) had nearly half (46.5%) of all grant awards for the state. Polk alone received more than a fourth (27.3%) of the total.

Salaries and wages totaled nearly \$929 million in 1995. These were generated by the Department of Defense, the Postal Service, and other federal agencies for employees in Iowa. As with the grants, salaries and wages increased every year during the 1990-1994 period and decreased in 1995; the percentage increase in salaries and wages from 1985 to 1995 was 58.4. Salaries and wages paid by federal funds in 1995 exceeded \$10 million in 11 counties, topped by Polk with \$307 million, which accounted for 33.1 percent of all salaries and wages paid by the federal government in Iowa. Polk and three others (Johnson, Linn, Woodbury) received half (50.1%) of all federal funds in this category. On the other hand, 19 counties received less than \$2 million each in federally paid salaries and wages.

Table 1. 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 1. 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 2. 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 2. 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 Indiv.	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 3. 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 3. 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
Wapello	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
Winneshiek	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 4. 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 Individ.	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 4. 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	4366	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 5. 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 Individ.	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	2409	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 5. 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 6. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1990.

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	29815	3139	1267	12473	6482	164	6290	4127	16787
Adams	19460	1991	1371	7776	3599	161	4562	1958	8101
Allamakee	51374	4042	2065	20308	8187	11050	5722	2386	7492
Appanoose	53349	8579	3331	27077	10013	624	3725	3161	6518
Audubon	29338	3270	1593	11978	5764	165	6568	5545	16480
Benton	58796	4052	2634	30338	11552	347	9873	11565	45950
Black Hawk	455041	79559	23520	180541	75884	83738	11799	6907	61864
Boone	75616	5744	5574	40235	16023	316	7724	5290	35377
Bremer	63416	3372	2400	30822	10645	9514	6663	5671	18494
Buchanan	58038	5983	2658	28340	9969	336	10752	8418	19061
Buena Vista	65586	3985	4090	31202	11555	6892	7862	6902	36487
Butler	56427	4008	2114	24576	9555	280	15894	6079	19631
Calhoun	44608	5342	1959	21628	7758	253	7668	6577	25787
Carroll	60708	5201	3747	32667	11641	446	7006	7646	24184
Cass	58139	11069	2783	26745	10286	292	6964	6756	19628
Cedar	50127	5949	3403	22115	8336	415	9909	9825	36241
Cerro Gordo	150785	14406	8155	75778	28428	11467	12551	9314	37786
Cherokee	43731	3138	2186	22853	8359	266	6929	7857	29552
Chickasaw	48687	3372	1915	18804	7770	8577	8249	6823	11309
Clarke	26953	3180	1440	11984	5167	137	5045	1905	5971
Clay	57020	8753	3393	25238	9320	576	9740	8730	28320
Clayton	62811	7504	3541	28491	10903	2827	9545	5360	13380
Clinton	143398	11687	6629	79108	32671	1301	12002	12731	37977
Crawford	57404	4923	3898	23895	10852	5121	8715	11092	28470
Dallas	80288	10584	3944	40717	17467	429	7147	7613	31005
Davis	27510	2922	1313	12057	5447	154	5617	969	9104
Decatur	37474	10128	1527	13086	7648	185	4900	1305	7311
Delaware	45571	5694	2271	19945	7549	471	9641	6184	19983
Des Moines	162562	14194	7983	69404	24828	40747	5406	3627	19052
Dickinson	45619	2694	1995	26411	8634	259	5626	6911	14759
Dubuque	245370	31976	15845	117807	52591	19879	7272	2647	23801
Emmet	49052	4504	1875	19583	9183	6958	6949	11289	20190
Fayette	71630	5854	4055	33893	15763	608	11457	11116	14123
Floyd	60559	6349	2469	30659	10510	288	10284	8329	22658
Franklin	47877	2625	1997	17853	5683	8242	11477	12144	33139
Fremont	33076	2734	1530	14745	6337	193	7537	6166	17892
Greene	38390	3039	1895	19022	6254	250	7930	6814	29956
Grundy	38741	2368	1706	19273	6151	220	9023	5427	33119
Guthrie	40004	3752	2139	19235	7720	254	6904	5256	17236
Hamilton	51935	4019	2367	25227	11106	297	8919	9271	32814
Hancock	37875	2030	2113	17892	5551	237	10052	9850	26304
Hardin	66344	4601	3131	34123	13949	385	10155	12197	37036
Harrison	53591	6730	3165	24040	11616	350	7690	4582	26992
Henry	51589	4091	2955	26878	9667	468	7530	4052	22537
Howard	39133	2906	1368	15248	6931	5081	7599	7401	8058
Humboldt	36717	2506	2176	18598	6689	248	6500	6738	42453
Ida	28504	3738	1370	13159	4140	242	5855	5677	22193
Iowa	41396	1945	2430	21181	6653	449	8738	3819	20618
Jackson	61111	6808	3120	29614	13520	336	7713	4548	17412
Jasper	91740	8106	4083	50040	19816	467	9228	8292	34328

Table 6. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1990 (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	40958	3443	3689	20334	7599	315	5578	3987	19600
Johnson	291446	103878	42916	71526	29894	34327	8905	6255	45887
Jones	51808	3811	2871	25116	9642	413	9955	7606	28733
Keokuk	44091	2839	2638	20595	8451	400	9168	4635	24610
Kossuth	63795	5792	3137	28205	9979	461	16221	19643	59765
Lee	106406	11652	5545	60680	21756	629	6144	1185	17499
Linn	635753	39366	42470	207414	72796	264506	9201	8114	84470
Louisa	32910	2695	2234	15127	4975	195	7684	3554	18327
Lucas	35076	5160	1747	16001	7734	165	4269	952	6755
Lyon	33123	2449	1793	16032	5431	219	7199	8742	25543
Madison	37847	4707	1964	17634	8662	235	4645	2745	11950
Mahaska	63811	7161	3267	32337	12690	399	7957	4745	24861
Marion	111872	7169	30269	46622	18096	4831	4885	3508	12296
Marshall	113424	14969	5314	63916	19021	655	9549	6083	33270
Mills	40110	5306	2035	19496	7863	269	5141	4238	19153
Mitchell	35698	1995	1719	18367	6020	226	7371	8676	20880
Monona	42551	4202	2476	19368	8298	376	7831	5727	14960
Monroe	30781	3967	1137	15059	7299	178	3141	786	6228
Montgomery	43194	3071	2227	21363	10873	305	5355	4463	17481
Muscatine	99253	11218	4749	52265	19126	6140	5755	5586	27529
O'Brien	50827	4846	2875	25530	9172	325	8079	11943	22964
Osceola	29277	1464	1132	11135	3857	5245	6444	8216	19289
Page	59277	6336	3181	30841	12957	368	5594	2957	16403
Palo Alto	42152	4407	1931	18640	7198	237	9739	10252	26842
Plymouth	63794	5294	4316	31311	11812	384	10677	8101	44861
Pocahontas	36195	2392	1796	16998	5105	1156	8748	8201	32521
Polk	1711322	390131	218692	412582	183282	69097	437538	12723	148449
Pottawattamie	381505	31242	10621	124706	50910	3693	160333	8881	79316
Poweshiek	72517	13522	2165	26733	10770	386	18941	6729	23967
Ringgold	22935	2578	1583	8949	3681	187	5957	2193	9802
Sac	40989	2331	2208	21477	7507	259	7207	8916	29299
Scott	406835	54303	21458	217294	80276	21636	11868	14543	82010
Shelby	44342	5452	2268	20031	7971	259	8361	7578	29087
Sioux	75186	9034	3949	35018	14342	1339	11504	10576	34566
Story	239956	64045	33016	71558	34791	27475	9071	8967	48817
Tama	58093	5287	3361	26917	9562	629	12337	9281	34723
Taylor	30919	4079	1813	12875	5286	209	6657	2461	8820
Union	49593	7977	3594	22390	10883	351	4398	5322	8537
Van Buren	27265	2373	1670	12551	5108	313	5250	932	9897
Wapello	128726	19053	6132	67976	30452	926	4187	6894	14512
Warren	72070	12313	4150	35689	14617	502	4799	6140	18956
Washington	57279	5323	3192	29563	9368	395	9438	6070	29689
Wayne	34033	3610	1804	13904	7661	245	6809	2137	8054
Webster	141269	20381	12456	69213	28110	873	10236	6509	40487
Winnebago	40640	3941	1849	18618	6899	293	9040	13693	24279
Winneshiek	55439	4868	3520	24360	12989	366	9336	3683	6876
Woodbury	313972	34247	33707	148016	69460	14495	14047	10686	68088
Worth	28938	1905	1301	13203	4395	176	7958	9517	19268
Wright	52901	4081	2836	26983	8888	317	9796	9515	30917
Undistributed	390979	153257	50	830	191020	39	45783	0	178577
State of Iowa	10117415	1494068	733318	3968012	1786654	700372	1434991	669698	2864590

Table 7. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1985.

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	22705	1512	1022	10651	3914	102	5504	8879	4028
Adams	14994	1064	1261	6910	2695	99	2965	2713	4894
Allamakee	32638	3145	1502	16536	7437	329	3689	2127	1414
Appanoose	42909	4933	2617	23776	8061	1841	1681	1292	3227
Audubon	22761	1466	1369	9614	3930	138	6244	9646	2142
Benton	49423	3085	2251	24912	8383	249	10543	15869	5989
Black Hawk	321453	66800	18919	137685	43573	44820	9656	13600	29294
Boone	62375	5876	4324	33233	10530	340	8072	11610	2115
Bremer	61782	2237	1940	24333	8911	18439	5922	10526	4199
Buchanan	51585	3373	2203	22298	7844	259	15608	17089	5345
Buena Vista	50281	3044	3369	25003	9452	256	9157	11734	4537
Butler	40134	2780	1660	19581	7113	183	8817	16603	2847
Calhoun	37048	2317	1638	17941	6170	222	8760	14317	2516
Carroll	49565	4674	3195	25127	8456	347	7766	10613	3155
Cass	42217	3758	2388	21496	7670	201	6704	9319	2746
Cedar	40604	2577	2363	18571	6306	294	10493	11967	2179
Cerro Gordo	112285	9352	7279	59691	19002	5431	11530	22987	4259
Cherokee	38865	2419	2359	18096	6142	2093	7756	12181	3662
Chickasaw	50668	5014	1705	15276	6169	146	22358	15888	2733
Clarke	19171	1776	1112	9746	3670	88	2779	2170	2377
Clay	42470	2947	2937	20258	6897	443	8988	14351	3285
Clayton	49625	5166	2910	22706	10292	1500	7051	6341	4837
Clinton	106786	5720	5459	64326	18631	656	11994	11980	5308
Crawford	44997	3537	3169	18943	7200	3340	8808	19563	3855
Dallas	58974	4704	3118	33313	10235	426	7178	12775	3239
Davis	20191	2144	1162	10314	3800	102	2669	2789	2145
Decatur	25983	5014	1258	11146	5630	325	2610	2161	2418
Delaware	37533	3328	1793	15897	7464	473	8578	8611	3765
Des Moines	157490	6684	7244	54742	17060	66587	5173	7316	4906
Dickinson	34757	1765	1559	20384	5471	265	5313	9133	2681
Dubuque	169494	21210	12068	89720	30855	9932	5709	3209	6280
Emmet	32528	2268	1811	15232	5783	150	7284	13410	1863
Fayette	60906	3709	3405	28517	12551	1749	10975	17491	2939
Floyd	45942	4378	2038	24127	7473	203	7723	17449	3092
Franklin	38720	2396	1562	14467	5115	3794	11386	26658	2156
Fremont	27156	4001	1249	12237	4211	132	5326	8271	2162
Greene	33459	1593	1688	15830	5567	293	8488	12171	1176
Grundy	32923	1957	1435	15915	4918	192	8506	13974	1513
Guthrie	32549	2261	1702	16462	6164	189	5771	9292	3891
Hamilton	43117	3396	2111	20634	6707	212	10057	18053	2925
Hancock	35279	3081	1755	14214	5346	356	10527	18822	5324
Hardin	55613	3993	2713	27849	10007	307	10744	20939	2900
Harrison	41127	3588	2533	20067	7200	660	7079	11489	4284
Henry	43221	3374	2116	22205	7424	2143	5659	7870	4804
Howard	28976	2142	1054	12459	5723	1663	5935	12465	2514
Humboldt	31199	2881	1635	14897	4499	146	7141	9958	2721
Ida	24315	1783	1146	10502	4017	102	6765	12784	2142
Iowa	38857	5023	2134	17221	5529	675	8275	11120	6060
Jackson	47743	6236	2685	24081	8582	349	5810	5603	2692
Jasper	67571	4390	3253	39254	11325	365	8984	15405	6997

Table 7. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa Counties, 1985 (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	33204	2287	2750	16482	6800	463	4422	7141	2598
Johnson	204229	66710	32490	53587	20398	24211	6833	8114	12626
Jones	41226	3296	2023	19541	6931	244	9191	10263	2192
Keokuk	38450	2896	2129	17629	7025	219	8552	13698	2262
Kossuth	54295	3120	2485	23376	7844	335	17135	38598	3595
Lee	80811	7965	3794	49338	15568	349	3797	4888	4697
Linn	581954	26429	34242	156767	49463	277312	37741	10517	22118
Louisa	29288	4316	1412	12363	4101	194	6902	12272	2337
Lucas	27928	4660	1531	14007	5232	559	1939	2562	3841
Lyon	27993	1223	1421	13490	4772	196	6891	12473	2691
Madison	27046	1937	1386	14473	5083	160	4007	4735	3018
Mahaska	52936	5820	2477	26434	10641	862	6702	9118	3507
Marion	89001	5145	26497	37318	11184	4397	4460	4675	2037
Marshall	91083	11066	4156	50971	14851	731	9308	15882	3521
Mills	31150	4992	1736	14895	4110	151	5266	6231	3544
Mitchell	31376	2070	1448	14894	5855	161	6948	14019	745
Monona	33505	2073	2456	15872	5253	444	7407	9801	2252
Monroe	22549	2259	950	13259	4519	91	1471	1612	3103
Montgomery	37008	5510	1910	17979	6116	609	4884	6381	3621
Muscatine	82529	5660	4003	40325	13416	13377	5748	5696	7512
O'Brien	43905	3865	2380	20660	7726	263	9011	17270	1311
Osceola	21248	966	908	9245	3480	88	6561	14838	2339
Page	45321	3238	2975	24721	9194	432	4761	4068	2482
Palo Alto	35687	2999	1498	15294	5430	227	10239	19060	1393
Plymouth	50629	4341	3318	24346	8814	288	9522	14416	3973
Pocahontas	33622	1506	1778	13970	5320	327	10721	18021	1994
Polk	1152017	444080	166101	318194	107723	40191	75728	12282	43290
Pottawattamie	275241	25388	8697	98151	25628	103960	13417	17381	25309
Poweshiek	48078	7566	1700	20987	7376	564	9885	13316	3504
Ringgold	16450	1697	1373	7508	3198	104	2570	2740	6669
Sac	36349	2017	1867	17745	6586	201	7933	13053	3019
Scott	293056	26138	17651	151250	42828	48410	6779	8524	31702
Shelby	36189	3860	1993	15839	5715	186	8596	16464	2806
Sioux	57295	3773	3195	27212	11042	574	11499	18638	2911
Story	167973	27590	29145	54216	23794	23214	10014	18864	6156
Tama	48352	3741	2788	22331	8338	950	10204	17013	4474
Taylor	22534	1418	1483	10710	4871	143	3909	4830	3634
Union	36226	3294	2992	18709	7448	708	3075	2537	4514
Van Buren	21728	2066	1366	10695	4593	153	2855	3490	1574
Wapello	93201	9135	6119	56321	17909	539	3178	4284	3102
Warren	48542	4449	3580	27879	7916	715	4003	3859	4255
Washington	48532	5878	2740	23207	7719	293	8695	12891	1525
Wayne	25088	2306	1491	12504	5138	199	3450	3045	2297
Webster	104795	11266	8634	55068	17377	1086	11364	16348	2665
Winnebago	32348	1173	1499	15165	5400	341	8770	32798	3216
Winneshiek	43557	3880	2767	19526	11043	252	6089	6415	3003
Woodbury	225872	22674	26457	116366	39950	4600	15825	26618	21839
Worth	25192	1478	1031	11266	3735	126	7556	17546	1268
Wright	44851	2386	2385	22053	7214	230	10583	17685	1362
State of Iowa	7524662	1101955	586679	3133160	1097861	728035	876972	1159553	1238313

Table 8. Percentage of Total Direct Federal Funds Received as Retirement and Disability Payments in Iowa Counties, 1985, 1990, and 1995.

County	1995	1990	1985	County	1995	1990	1985
Adair	46.4	41.8	46.9	Jefferson	46.1	49.6	49.6
Adams	45.0	40.0	46.1	Johnson	23.3	24.5	26.2
Allamakee	47.3	39.5	50.7	Jones	48.9	48.5	47.4
Appanoose	52.5	50.8	55.4	Keokuk	44.9	46.7	45.8
Audubon	44.0	40.8	42.2	Kossuth	47.0	44.2	43.1
Benton	52.6	51.6	50.4	Lee	50.8	57.0	61.1
Black Hawk	44.5	39.7	42.8	Linn	33.0	32.6	26.9
Boone	42.0	53.2	53.3	Louisa	42.3	46.0	42.2
Bremer	52.6	48.6	39.4	Lucas	49.3	45.6	50.2
Buchanan	46.9	48.8	43.2	Lyon	51.1	48.4	48.2
Buena Vista	44.5	47.6	49.7	Madison	50.3	46.6	53.5
Butler	49.2	43.6	48.8	Mahaska	43.3	50.7	49.9
Calhoun	51.2	48.5	48.4	Marion	44.1	41.7	41.9
Carroll	51.9	53.8	50.7	Marshall	49.5	56.4	56.0
Cass	49.8	46.0	50.9	Mills	34.0	48.6	47.8
Cedar	47.7	44.1	45.7	Mitchell	53.7	51.5	47.5
Cerro Gordo	51.2	50.3	53.2	Monona	46.5	45.5	47.4
Cherokee	51.4	52.3	46.6	Monroe	51.9	48.9	58.8
Chickasaw	38.3	38.6	30.1	Montgomery	48.9	49.5	48.6
Clarke	47.7	44.5	50.8	Muscatine	51.6	52.7	48.9
Clay	48.7	44.3	47.7	O'Brien	52.2	50.2	47.1
Clayton	48.2	45.4	45.8	Osceola	53.1	38.0	43.5
Clinton	52.4	55.2	60.2	Page	50.4	52.0	54.5
Crawford	39.6	41.6	42.1	Palo Alto	46.3	44.2	42.9
Dallas	55.8	50.7	56.5	Plymouth	49.8	49.1	48.1
Davis	47.4	43.8	51.1	Pocahontas	48.1	47.0	41.6
Decatur	41.4	34.9	42.9	Polk	24.9	24.1	27.6
Delaware	46.8	43.8	42.4	Pottawattamie	34.6	32.7	35.7
Des Moines	38.6	42.7	34.8	Poweshiek	49.7	36.9	43.7
Dickinson	59.0	57.9	58.6	Ringgold	44.3	39.0	45.6
Dubuque	49.3	48.0	52.9	Sac	53.1	52.4	48.8
Emmet	46.6	39.9	46.8	Scott	50.6	53.4	51.6
Fayette	47.2	47.3	46.8	Shelby	47.6	45.2	43.8
Floyd	51.9	50.6	52.5	Sioux	48.0	46.6	47.5
Franklin	47.6	37.3	37.4	Story	29.3	29.8	32.3
Fremont	49.2	44.6	45.1	Tama	47.6	46.3	46.2
Greene	52.7	49.5	47.3	Taylor	41.9	41.6	47.5
Grundy	54.0	49.7	48.3	Union	46.1	45.1	51.6
Guthrie	49.1	48.1	50.6	Van Buren	47.8	46.0	49.2
Hamilton	47.7	48.6	47.9	Wapello	53.1	52.8	60.4
Hancock	49.3	47.2	40.3	Warren	52.8	49.5	57.4
Hardin	50.5	51.4	50.1	Washington	44.0	51.6	47.8
Harrison	47.6	44.9	48.8	Wayne	47.0	40.9	49.8
Henry	51.2	52.1	51.4	Webster	49.5	49.0	52.5
Howard	46.5	39.0	43.0	Winnebago	49.8	45.8	46.9
Humboldt	51.3	50.7	47.7	Winneshiek	44.4	43.9	44.8
Ida	51.4	46.2	43.2	Woodbury	45.2	47.1	51.5
Iowa	45.3	51.2	44.3	Worth	45.7	45.6	44.7
Jackson	50.4	48.5	50.4	Wright	51.9	51.0	49.2
Jasper	45.4	54.5	58.1	Undistributed	0.2	0.2	0.6
				State of Iowa	39.2	39.2	41.6

Nearly two-fifths (39.2%) of the total direct federal expenditures or obligations went for retirement and disability payments; \$5.1 billion was received by individuals in Iowa in 1995. 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 nearly \$2 billion from 1985 to 1995; it has increased each year. Retirement or disability payments constituted the largest part of direct federal expenditures and obligations in all but four Iowa counties. Johnson, Linn, Mills, and Polk, which were the exceptions, received more federal funds in grant or procurement contract awards than in any other category. Twenty counties received at least \$50 million in the retirement/ disability category in 1995, 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 21.0 percent (\$2.7 billion) of the total direct federal expenditures or obligations was 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 1985 to 1994, although 1995's figure was \$56 million lower than that for 1994. In 1995, other payments received by individuals ranged from \$4.2 million in Adams to \$289 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 \$809 million in 1995. 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 6. In 1995, two counties (Linn, Polk) received half (51.3%) of all dollars for procurement contract awards in the state, with Linn alone (\$317 million) accounting for 39.2 percent of the total.

The "other" subcategory among direct federal expenditures or obligations amounted to nearly \$1.3 billion in 1995. Expenditures in this area also changed greatly between years, with the highest figure in 1994 (Table 2). 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 1995, five counties received at least \$10 million each in this subcategory. Polk (\$378 million) and Pottawattamie (\$162 million) were the only ones to exceed \$100 million. Twenty-three counties received less than \$5 million each in 1995.

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 \$1.8 billion of the \$5.3 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, \$1.4 billion of the \$1.8 billion in this subcategory was related to commodity loans in 1995. Direct loans were at least \$15 million in 51 counties in 1995; in 1994, only Polk exceeded that level. Seven counties received less than \$5 million in direct loans in 1995.

Guaranteed loans and insurance totaled \$3.5 billion in 1995. 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; for the years preceding 1995, the lowest total was \$1.2 billion in 1985 while the highest was more than \$3.5 billion in 1994. About \$2.1 billion of the \$3.5 billion for guaranteed loans and insurance was related to crop insurance in 1995. Totals from all

the guaranteed loan and insurance programs exceeded \$50 million in 10 counties, led by Polk with \$262 million. Thirteen others 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 1995, retirement and disability payments accounted for nearly \$2 of every \$5 of federal funds sent to Iowa (Table 8). The 1995 figure (39.2%) equaled that of 1990 and was slightly lower than it was in 1985 (41.6%). In 1995, retirement or disability payments accounted for at least 50 percent of all the funds from direct federal expenditures or obligations in 32 counties. In 1985, 31 counties had percentages of at least 50 when retirement or disability payments were compared with total federal funds disbursed; at least three-fifths of all funds were attributed to the retirement/disability payment category in Clinton, Lee, and Wapello that year.

The percentage that retirement and disability payments constituted of all federal funds increased in 49 counties when 1985 and 1995 were compared; Bremer and Franklin increased by at least 10 percentage points. Decreases ranged from less than 10 points in 45 counties to at least 10 points in Boone, Jasper, Lee, and Mills.

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, 1984, and 1986 through 1989 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: 1985-1995

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University

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) (60.8% of all registered) and trucks (Table 2) (22.9% of all registered) in 1995. The total number of vehicles listed for the state was 3,279,614 in 1995, an increase of 214,132 from the 3,065,482 reported in 1985 (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 1995 was 144,500 higher than the number reported in 1985. In 1995, an all-time high was reached when 1,993,000 autos were registered (Figure 1). The number of truck registrations also reached a new high in 1995 (751,000). When 1985 and 1995 are compared, trucks increased by more than 98,000 (Figure 2).

Fewer than 10,000 automobiles were registered in 42 counties in 1995; 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-two counties had fewer automobile registrations in 1995 than in 1985. Gains of 1,000 or more occurred in 33 counties; four of these increased by at least 10,000 (Johnson, Linn, Polk, Story).

Truck registrations also varied by county in 1995, with 48 reporting fewer than 5,000 and 18 with more than 10,000. Increases between 1985 and 1995 ranged from less than 100 in four counties to more than 1,000 in 24 others. Gains of at least 3,000 occurred in Johnson, Linn, Polk, Scott, Story, Woodbury, and the category of trucks used for official purposes. No county had fewer trucks in 1995 than in 1985.

Total vehicle registrations in 1995 ranged widely across the state. Polk's 358,001 was more than twice the number in every county except Linn (191,293). Black Hawk, Scott, and Woodbury also had at least 100,000 registered vehicles. Seven counties reported fewer than 10,000 vehicles, although only two (Adams, Ringgold) were under 8,000. Between 1985 and 1995, eighteen counties had declines in the total number of vehicles registered. Gains exceeded 10,000 in six counties (Dallas, Johnson, Linn, Polk, Story, Woodbury) plus those used for official purposes.

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, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	5566	5509	5480	5503	5504	5451	5382	5309	5540	5490	5516
Adams	3163	3221	3285	3250	3271	3293	3308	3338	3601	3496	2896
Allamakee	9263	9154	9210	9192	9049	8963	8796	8598	9274	9060	9003
Appanoose	9659	9629	9534	9394	9229	9085	8867	8732	9425	9129	8879
Audubon	4640	4568	4591	4638	4670	4694	4695	4637	4984	4964	4974
Benton	16285	15992	15792	15494	15326	15087	14782	14359	14853	14407	11413
Black Hawk	86744	86043	85562	84951	84421	82961	81398	79951	84389	83443	84727
Boone	17896	17683	17686	17571	17393	17081	16938	16661	17293	16836	13907
Bremer	15816	15676	15581	15477	15436	15269	15025	14625	15240	15094	15078
Buchanan	13365	13293	13144	13095	12995	12872	12646	12402	13204	12901	12730
Buena Vista	13607	13434	13397	13388	13249	13059	12812	12570	13263	13289	13369
Butler	11291	11101	11126	11112	11051	10983	10812	10648	10910	10719	10716
Calhoun	7929	7906	7901	7825	7802	7851	7808	7763	8027	7873	7975
Carroll	14637	14369	14364	14245	13950	13871	13686	13560	14212	14041	13993
Cass	10450	10350	10455	10440	10440	10502	10434	10389	11269	11319	11409
Cedar	12505	12354	12278	12259	12070	11901	11699	11401	11605	11229	9257
Cerro Gordo	33797	33365	32870	32717	32675	32535	32338	31705	33118	32648	32825
Cherokee	10026	10046	10072	9906	9887	9726	9594	9476	10159	9975	10043
Chickasaw	9527	9498	9491	9530	9504	9345	9225	9089	9611	9469	9545
Clarke	5775	5694	5532	5494	5425	5363	5317	5292	5567	5383	5283
Clay	12783	12660	12502	12531	12406	12314	12086	11901	12391	12235	10138
Clayton	12636	12363	12209	12235	12049	11876	11590	11460	12300	12056	12011
Clinton	34862	34567	34321	34276	33943	33369	32714	32297	36608	36913	36599
Crawford	11224	11093	11171	11101	11040	10940	10881	10879	11990	11775	11648
Dallas	23088	22770	22048	21603	21032	20756	20272	19907	20412	19450	16163
Davis	5302	5358	5285	5227	5295	5266	5248	5141	6211	5876	5710
Decatur	5084	5022	4992	4993	5033	5060	4947	4832	5016	4945	4891
Delaware	12112	11958	11793	11671	11644	11554	11473	11279	11533	11192	11040
Des Moines	29875	29713	29514	29760	29594	29344	28853	28472	31200	30894	30351
Dickinson	11772	11568	11475	11311	11062	10512	10310	10161	10468	10093	9989
Dubuque	59313	58651	57570	57192	56199	54753	53979	53065	59065	58656	57520
Emmet	8006	7993	7981	7997	7911	7799	7646	7530	8126	7991	8067
Fayette	15218	15062	14890	14846	14776	14701	14463	14106	14820	14560	14579
Floyd	12177	12119	12115	11984	11928	11869	11824	11630	12487	12305	12370
Franklin	8203	8086	7996	8001	7916	7952	7845	7767	8038	7936	6547
Fremont	5847	5819	5870	5870	5775	5686	5541	5472	5849	5663	5615
Greene	7253	7117	7141	7130	7111	7065	7072	7017	7409	7294	7330
Grundy	8837	8718	8640	8642	8565	8507	8398	8327	8577	8479	8520
Guthrie	8071	7887	7839	7747	7554	7474	7363	7262	7336	7070	7051
Hamilton	11781	11747	11636	11531	11485	11433	11340	11245	11649	11324	11283
Hancock	8546	8409	8417	8465	8477	8560	8526	8398	8564	8396	8423
Hardin	13511	13427	13161	13116	13110	13075	12890	12789	13787	13652	13658
Harrison	10896	10668	10715	10543	10414	10261	9911	9881	11400	10829	8441
Henry	12583	12363	12287	12083	12081	11806	11479	11265	12122	11830	11561
Howard	7106	7026	6926	6871	6898	6710	6539	6452	6897	6624	6694
Humboldt	7781	7676	7736	7664	7660	7673	7601	7478	7820	7776	7738
Ida	5847	5803	5760	5783	5691	5755	5628	5557	5749	5559	5534
Iowa	10793	10575	10440	10392	10160	9977	9878	9651	9975	9849	9854
Jackson	13729	13725	13443	13401	13335	13195	12807	12667	13935	13453	13195
Jasper	24846	24523	24673	24568	24348	24278	23919	23521	24134	23421	23179

Table 1. Automobile Registrations in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	11657	11623	11565	11511	11462	11380	10957	10796	11989	11703	11442
Johnson	61177	59697	58305	57125	55877	54317	52539	50609	51472	49942	48663
Jones	13101	12901	12766	12632	12494	12340	12151	11815	12269	11970	11739
Keokuk	7843	7789	7733	7711	7778	7732	7704	7606	7920	7821	7790
Kossuth	13017	12915	12930	12965	13042	13205	13137	13050	13571	13437	13615
Lee	26498	26424	26316	26282	26158	25860	25439	25100	27928	26883	22370
Linn	129855	127723	125930	123789	122551	119665	117698	115005	119389	116859	113211
Louisa	8161	8030	7993	7940	7834	7612	7504	7301	7418	7162	7000
Lucas	6001	6049	6004	5950	5967	5943	5847	5781	6081	6036	5997
Lyon	8385	8358	8279	8205	8050	7850	7696	7590	8355	8118	8126
Madison	8753	8551	8450	8344	8286	8163	7999	7859	7863	7589	7546
Mahaska	14556	14428	14361	14169	14102	13905	13672	13442	14192	13829	13701
Marion	20512	20272	19823	19465	19065	18872	18495	18077	18722	18198	17917
Marshall	27738	27533	27176	27112	27095	26867	26584	26154	26982	26723	26734
Mills	9754	9403	9407	9269	8916	8728	8513	8343	8826	8538	8328
Mitchell	7720	7715	7685	7668	7624	7569	7435	7215	7866	7690	7705
Monona	7130	7038	7108	7039	6857	6796	6681	6561	6837	6669	6662
Monroe	5721	5549	5569	5457	5336	5359	5318	5339	5556	5378	5382
Montgomery	8339	8384	8370	8234	8188	8244	8169	7996	8476	8220	6858
Muscatine	28471	28357	28049	27874	27414	26746	26135	25507	27298	26899	26792
O'Brien	10870	10755	10636	10558	10463	10376	10146	10056	10876	10677	10699
Osceola	5118	5054	5058	5098	5007	4859	4823	4800	5015	4921	5016
Page	11357	11228	11169	11136	11000	11098	11013	10694	11452	11284	11286
Palo Alto	6933	6908	6911	6936	6914	6904	6848	6851	7203	7082	7226
Plymouth	16504	16247	16189	15937	15547	15117	14777	14491	16698	16578	16103
Pocahontas	6486	6424	6580	6535	6593	6702	6705	6717	6963	6915	6952
Polk	255650	252631	248409	243786	239108	234947	228496	222361	240456	235431	237309
Pottawattamie	63214	62540	62575	62209	61339	60328	59648	59082	72252	69462	64682
Poweshiek	12266	12090	12027	12056	12045	12017	11867	11626	12287	12091	11904
Ringgold	3534	3478	3546	3557	3551	3562	3450	3367	3576	3563	3559
Sac	8245	8172	8199	8190	8166	8237	8180	8040	8379	8361	8378
Scott	114810	113090	109503	110807	107668	106397	103022	107838	114677	111386	109691
Shelby	9115	9133	9018	9048	8999	9027	9008	8976	9323	9085	9091
Sioux	19207	18904	18606	18191	17700	17346	16916	16675	18075	17586	17737
Story	45331	44396	43977	43414	42777	41938	41213	40186	41202	39264	32440
Tama	12618	12364	12161	11917	11837	11808	11717	11385	11830	11726	11659
Taylor	4753	4716	4684	4690	4710	4697	4723	4651	4856	4788	4773
Union	8705	8609	8631	8636	8622	8658	8498	8309	8667	8536	8332
Van Buren	5193	5148	5067	5019	5006	5000	4930	4811	5224	5134	5101
Wapello	24949	24992	25023	24656	24247	23878	23674	23098	24198	24030	24125
Warren	25373	25198	25053	24568	24309	23992	23474	23011	23398	22468	22103
Washington	13486	13286	13183	13130	12949	12871	12562	12301	12748	12479	12414
Wayne	4796	4755	4717	4651	4703	4658	4594	4574	4844	4820	4800
Webster	27681	27687	27613	27454	27295	27252	27019	26499	27790	27637	27958
Winnebago	8706	8739	8684	8630	8620	8658	8579	8757	8942	8640	8557
Winneshiek	13138	13010	12958	12851	12814	12583	12414	12148	12938	12657	12628
Woodbury	72437	70188	69254	67924	66535	64862	63111	61681	66746	64640	63420
Worth	5862	5817	5683	5750	5705	5696	5694	5631	5843	5751	5834
Wright	10215	10139	9834	9756	9758	9780	9730	9657	9910	9564	8051
Official	10980	10548	10172	9925	9698	9516	9189	9112	9115	8579	8084
Unknown	343	327	323	353	356	386	412	349	451	507	2090
State of Iowa	1993287	1968663	1947159	1930124	1905976	1879715	1844690	1816794	1936356	1894167	1848817

Table 2. Truck Registrations in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	3484	3417	3411	3407	3335	3314	3280	3261	3315	3168	3197
Adams	2047	2043	2032	2003	1988	2032	2038	2023	2127	1994	1695
Allamakee	4541	4548	4488	4439	4329	4296	4172	4094	4263	4094	3993
Appanoose	4931	4774	4700	4568	4508	4417	4329	4225	4425	4249	4159
Audubon	2658	2622	2598	2615	2625	2645	2596	2566	2654	2574	2590
Benton	7664	7469	7259	7089	6967	6784	6600	6494	6639	6384	5289
Black Hawk	24120	23704	23117	22705	22288	21816	21233	20823	21862	21965	22347
Boone	7468	7326	7148	6982	6815	6624	6523	6375	6391	6201	5277
Bremer	6377	6182	6023	5947	5855	5767	5649	5554	5655	5478	5464
Buchanan	6196	6007	5887	5824	5747	5622	5515	5402	5596	5392	5396
Buena Vista	5460	5377	5283	5212	5158	5049	4980	4938	5135	4965	5015
Butler	5265	5070	5016	4965	4908	4805	4745	4736	4845	4722	4843
Calhoun	3708	3573	3530	3519	3553	3553	3509	3459	3518	3482	3558
Carroll	6377	6257	6173	6028	5927	5862	5773	5666	5935	5774	5802
Cass	5267	5172	5135	5091	5034	5022	4929	4786	5208	5167	5146
Cedar	5887	5804	5672	5534	5478	5328	5274	5210	5276	5141	4208
Cerro Gordo	10298	10073	9807	9700	9638	9542	9383	9157	9676	9590	9514
Cherokee	4554	4497	4380	4312	4300	4226	4161	4117	4218	4206	4222
Chickasaw	4085	3990	3902	3852	3827	3816	3732	3636	3942	3835	3803
Clarke	3014	2949	2902	2864	2837	2812	2772	2743	2818	2730	2634
Clay	4960	4815	4698	4677	4595	4606	4486	4357	4504	4391	3738
Clayton	6434	6378	6293	6201	6126	5987	5950	5820	6105	5962	5930
Clinton	12444	12100	11748	11643	11496	11225	10899	10694	11643	11405	11410
Crawford	5785	5661	5638	5559	5510	5441	5398	5306	5540	5413	5417
Dallas	9123	8895	8725	8501	8397	8271	8074	7878	7919	7634	6441
Davis	3139	3074	3000	2911	2868	2833	2783	2699	2861	2781	2773
Decatur	2962	2929	2918	2873	2868	2896	2830	2702	2795	2728	2674
Delaware	5541	5354	5269	5127	5092	4952	4866	4777	4821	4697	4705
Des Moines	10941	10662	10344	10197	10106	9855	9595	9402	10032	9712	9484
Dickinson	4595	4453	4357	4185	4070	3969	3830	3764	3851	3822	3828
Dubuque	16376	15801	15143	14748	14418	14155	13810	13488	15001	14606	14455
Emmet	3569	3490	3433	3377	3314	3236	3201	3178	3335	3311	3387
Fayette	6463	6369	6197	6106	6039	5977	5850	5688	5911	5713	5720
Floyd	5134	5054	4921	4869	4794	4693	4607	4550	4861	4781	4759
Franklin	3796	3744	3676	3629	3579	3561	3564	3567	3573	3526	2954
Fremont	3585	3531	3536	3492	3433	3310	3286	3240	3345	3298	3340
Greene	3896	3885	3828	3707	3650	3550	3520	3479	3607	3594	3687
Grundy	4024	3861	3803	3742	3730	3613	3566	3532	3645	3596	3663
Guthrie	4069	3963	3921	3812	3788	3680	3624	3566	3625	3539	3565
Hamilton	5082	4938	4788	4693	4658	4667	4644	4592	4688	4595	4627
Hancock	3904	3802	3735	3674	3703	3696	3622	3593	3839	3773	3766
Hardin	5919	5769	5602	5504	5393	5353	5288	5225	5381	5357	5415
Harrison	5907	5761	5707	5584	5443	5328	5177	5148	5567	5343	4418
Henry	6072	6007	5833	5709	5638	5532	5384	5297	5527	5277	5160
Howard	3336	3256	3185	3086	3081	3029	3004	2972	3163	3055	3088
Humboldt	3384	3346	3283	3273	3307	3351	3308	3234	3277	3286	3329
Ida	2998	2959	2969	2939	2919	2934	2843	2804	2846	2829	2808
Iowa	5406	5273	5150	5046	5006	4909	4813	4690	4761	4655	4639
Jackson	6329	6102	5925	5849	5780	5671	5480	5411	5826	5625	5579
Jasper	10214	10002	9744	9643	9540	9512	9344	9156	9317	8986	8913

Table 2. Truck Registrations in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	4554	4493	4406	4330	4232	4152	4080	4023	4389	4332	4298
Johnson	15530	14871	14364	13879	13494	13223	12913	12522	12741	12388	12217
Jones	5925	5890	5758	5607	5521	5439	5362	5270	5440	5323	5304
Keokuk	4395	4381	4277	4243	4181	4165	4146	4094	4296	4097	4147
Kossuth	5825	5771	5675	5628	5616	5684	5573	5464	5652	5580	5664
Lee	11300	10924	10564	10399	10155	9962	9736	9659	10366	10039	8401
Linn	35999	34939	33564	32610	31757	31069	30316	29545	29985	29148	28449
Louisa	4391	4225	4152	4109	4013	3945	3865	3862	3925	3842	3799
Lucas	3266	3225	3223	3197	3140	3076	3011	2890	3038	2966	2949
Lyon	3804	3786	3780	3713	3700	3634	3507	3409	3710	3590	3621
Madison	4851	4772	4650	4563	4549	4480	4371	4244	4281	4080	4013
Mahaska	6854	6718	6522	6396	6309	6224	6042	5908	6157	6020	5918
Marion	8870	8738	8515	8376	8157	7933	7775	7584	7779	7520	7375
Marshall	10090	10019	9616	9485	9388	9243	8988	8855	9140	9020	8970
Mills	4873	4684	4531	4433	4314	4188	4127	4052	4192	4060	3960
Mitchell	3648	3572	3509	3420	3378	3338	3243	3185	3331	3245	3290
Monona	4097	4090	4128	4062	3993	4000	3921	3867	4000	3901	3986
Monroe	2909	2893	2787	2791	2731	2695	2617	2610	2720	2686	2687
Montgomery	4149	4135	4124	4087	3991	3955	3892	3788	3876	3707	3192
Muscatine	10957	10822	10547	10377	10077	9937	9627	9308	9697	9548	9495
O'Brien	4450	4314	4286	4240	4183	4179	4100	4083	4258	4123	4118
Osceola	2603	2586	2529	2575	2529	2469	2466	2403	2381	2295	2357
Page	5364	5274	5166	5025	4972	4885	4790	4754	4982	4818	4800
Palo Alto	3354	3281	3219	3186	3164	3117	3104	3117	3193	3098	3163
Plymouth	7230	7039	6800	6746	6588	6435	6207	6166	6788	6569	6445
Pocahontas	3025	2984	2987	2992	3010	3023	3012	2944	2981	2935	2954
Polk	61942	60410	58475	56562	55441	54131	52148	50747	54567	53145	52852
Pottawattamie	22946	22455	22075	21848	21615	21515	21345	21104	23316	22378	21258
Poweshiek	6179	6036	5962	5893	5778	5708	5655	5594	5910	5674	5497
Ringgold	2344	2272	2244	2234	2237	2221	2199	2163	2236	2166	2204
Sac	4261	4157	4120	4098	4055	4015	3915	3843	3927	3868	3870
Scott	28875	28197	27325	27429	26601	25978	24869	25615	26778	26050	25588
Shelby	4714	4615	4574	4543	4478	4426	4324	4278	4383	4227	4217
Sioux	8033	7892	7752	7625	7431	7242	6993	6866	7259	6971	7025
Story	12483	12079	11822	11510	11281	11072	10837	10558	10837	10425	8459
Tama	6352	6259	6090	5949	5847	5782	5673	5599	5741	5653	5617
Taylor	2745	2701	2620	2580	2556	2580	2579	2587	2657	2690	2655
Union	4262	4190	4142	4054	3990	3955	3806	3734	3808	3721	3658
Van Buren	3116	3065	3035	2966	2848	2806	2781	2734	2895	2814	2793
Wapello	9730	9629	9399	9190	9028	8717	8551	8413	8797	8752	8923
Warren	10206	9907	9547	9331	9170	8970	8795	8558	8719	8418	8313
Washington	6247	6101	5930	5789	5768	5647	5547	5494	5545	5469	5469
Wayne	2838	2789	2770	2728	2691	2665	2568	2540	2640	2595	2607
Webster	10060	9899	9697	9578	9421	9351	9216	9051	9608	9486	9632
Winnebago	3725	3785	3684	3639	3560	3589	3555	3560	3531	3426	3452
Winneshiek	6030	5977	5904	5838	5718	5710	5564	5574	5888	5684	5633
Woodbury	22138	21391	20916	20381	20063	19790	19577	18919	20184	19428	19098
Worth	2856	2798	2740	2724	2694	2676	2657	2606	2721	2621	2615
Wright	4311	4209	4085	4129	4120	4067	4043	3983	4179	3981	3450
Official	22779	22474	22278	22280	22077	21842	21439	21197	20358	18879	18258
Unknown	392	455	502	534	529	541	617	672	175	1446	1586
State of Iowa	750665	734256	717203	704913	693597	682570	667883	656669	684621	667298	652125

Table 3. Total Vehicle Registrations in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	11112	10922	10870	10851	10755	10680	10619	10562	10986	10781	10885
Adams	6258	6245	6270	6208	6265	6359	6355	6359	6788	6406	5404
Allamakee	17347	17129	17042	16940	16696	16529	16163	15825	16924	16515	16376
Appanoose	17600	17394	17168	16820	16528	16300	15972	15762	16907	16501	16402
Audubon	8936	8791	8792	8798	8850	8868	8773	8684	9260	9201	9256
Benton	29431	28238	27561	27130	26652	26174	25611	25260	26004	24152	19611
Black Hawk	130666	129355	128149	127164	126134	124398	122376	120719	128643	128263	131405
Boone	30981	29844	29536	29219	28816	28337	28225	27813	28668	27132	22908
Bremer	27622	27174	26873	26605	26426	26149	25735	25223	26178	25915	26020
Buchanan	24424	24053	23740	23706	23471	23147	22766	22338	23531	22948	22969
Buena Vista	23507	23218	23067	22979	22788	22511	22256	21951	23161	22966	23283
Butler	20888	20414	20294	20210	20059	19868	19604	19415	20156	19819	19989
Calhoun	14637	14426	14372	14265	14235	14278	14180	14089	14585	14434	14759
Carroll	25166	24651	24540	24231	23888	23642	23355	23134	25182	24780	24996
Cass	19138	18947	18971	18908	18840	18873	18709	18538	20177	20114	20359
Cedar	22601	21803	21565	21310	21042	20746	20506	20136	20494	19321	15897
Cerro Gordo	52606	51783	50865	50595	50479	50205	49918	49090	51520	51115	51280
Cherokee	18246	18204	18064	17764	17735	17456	17220	17035	18105	17907	18176
Chickasaw	17393	17129	16971	16962	16837	16616	16350	16035	17068	16834	16935
Clarke	10531	10368	10109	10004	9933	9845	9764	9632	10108	9889	9683
Clay	22156	21370	20974	20926	20653	20490	20071	19736	20533	19488	16449
Clayton	23961	23569	23218	23145	22872	22541	22152	21754	22980	22564	22532
Clinton	56758	55994	55399	55319	54829	54044	53050	52504	58395	58518	58640
Crawford	20602	20306	20305	20143	20039	19849	19819	19728	21505	21163	21153
Dallas	38592	37261	36296	35581	34872	34476	33796	33230	33898	31666	26642
Davis	10173	10137	9948	9754	9759	9696	9606	9380	10695	10341	10289
Decatur	9858	9712	9624	9572	9614	9632	9441	9211	9682	9567	9543
Delaware	21596	21132	20772	20405	20320	20032	19805	19445	19968	19389	19278
Des Moines	49081	48541	47978	48167	47924	47567	46907	46567	50853	50414	49971
Dickinson	21257	20692	20390	19963	19499	18732	18333	18011	18586	18170	18203
Dubuque	87520	86000	83988	83241	81919	80167	79147	77964	87274	86472	85699
Emmet	14867	14718	14612	14571	14380	14164	13944	13735	14810	14595	14974
Fayette	26790	26470	26074	25875	25734	25531	25146	24633	25818	25363	25623
Floyd	21636	21402	21220	20965	20741	20535	20369	20139	21568	21277	21533
Franklin	14919	14376	14161	14094	13980	14010	13938	13892	14307	13769	11587
Fremont	11272	11097	11077	10967	10752	10499	10313	10156	10816	10593	10668
Greene	13934	13738	13669	13517	13435	13280	13287	13219	13955	13870	14153
Grundy	16216	15872	15692	15594	15519	15319	15146	15084	15628	15481	15696
Guthrie	14967	14634	14468	14257	14001	13780	13591	13398	13677	13363	13509
Hamilton	21159	20821	20450	20248	20191	20075	19990	19866	20709	20321	20495
Hancock	15990	15619	15451	15417	15486	15528	15440	15230	15840	15565	15626
Hardin	24229	23967	23404	23226	23119	23099	22877	22901	24427	24292	24558
Harrison	19807	19076	18929	18602	18337	18064	17524	17476	19568	18387	14790
Henry	22625	22283	22007	21618	21508	21063	20556	20339	21898	21231	20953
Howard	13068	12849	12618	12384	12360	12082	11875	11722	12484	12051	12205
Humboldt	14450	14226	14199	14054	14070	14069	13860	13604	14272	14275	14342
Ida	11094	10952	10896	10867	10754	10813	10546	10367	10874	10591	10538
Iowa	19663	19140	18811	18546	18294	17996	17751	17377	17869	17612	17622
Jackson	24718	24328	23770	23585	23376	23123	22478	22235	24159	23391	23181
Jasper	42900	42133	41884	41605	41264	41205	40702	40160	41408	40413	40426

Table 3. Total Vehicle Registrations in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	19419	19303	19061	18884	18748	18604	18046	17757	19683	19339	19070
Johnson	87988	85519	83470	81727	80092	78101	75896	73576	75562	73165	71897
Jones	23139	22823	22503	22168	21913	21621	21273	20780	21688	21208	21016
Keokuk	14906	14771	14541	14463	14450	14436	14422	14299	15039	14729	14838
Kossuth	23429	23194	23070	23039	23144	23337	23130	22931	24012	23807	24288
Lee	44281	43493	42978	42883	42420	41999	41420	41087	45114	42489	35902
Linn	191293	187753	184363	181401	179232	175588	173052	170348	176984	173262	169573
Louisa	15536	15170	15027	14920	14720	14426	14174	13970	14245	13824	13709
Lucas	11473	11454	11327	11236	11176	11103	10934	10749	11475	11428	11487
Lyon	15336	15244	15161	15032	14798	14457	14171	13891	15281	14807	14834
Madison	16592	16225	15852	15639	15562	15274	14960	14716	14870	14391	14375
Mahaska	26416	26104	25774	25416	25232	25015	24606	24278	25725	25250	25137
Marion	35668	35089	34292	33810	33092	32638	32035	31355	32594	31803	31440
Marshall	45054	44642	43792	43700	43686	43401	43012	42538	44225	44031	44399
Mills	17224	16613	16373	16122	15608	15279	14917	14645	15489	15035	14798
Mitchell	14149	13980	13819	13673	13569	13453	13199	12885	13847	13542	13735
Monona	13616	13477	13483	13336	13115	13080	12860	12629	13109	12804	12945
Monroe	10540	10286	10101	9969	9732	9696	9538	9563	10004	9821	9880
Montgomery	14843	14599	14569	14413	14210	14250	14089	13821	14440	13762	11708
Muscatine	47847	47521	46946	46730	45973	45198	44277	43346	45919	45444	45694
O'Brien	19657	19376	19161	19004	18833	18682	18321	18144	20082	19288	19363
Osceola	9884	9738	9639	9743	9540	9314	9234	9145	9454	9248	9488
Page	19978	19684	19390	19189	18970	18971	18825	18488	19767	19465	19554
Palo Alto	12733	12599	12509	12450	12391	12335	12286	12331	13002	12841	13210
Plymouth	29456	28764	28237	27778	27083	26395	25693	25320	28580	27994	27543
Pocahontas	12190	12028	12192	12130	12125	12282	12265	12191	12677	12629	12800
Polk	358001	352882	345987	339445	333645	328135	319830	312489	351074	341339	341538
Pottawattamie	98376	97080	96718	96388	95455	94355	93458	92728	110509	106659	101168
Poweshiek	22866	22453	22273	22220	22068	21976	21750	21492	22710	22254	21844
Ringgold	7233	7072	7105	7125	7117	7097	6930	6816	7146	7089	7181
Sac	15558	15319	15252	15186	15103	15126	14944	14710	15244	15127	15268
Scott	162538	159941	155230	156817	152714	150730	146623	152901	162968	158481	157132
Shelby	16772	16602	16464	16474	16299	16263	16083	16123	16779	16335	16483
Sioux	34843	34247	33675	33026	32119	31511	30674	30149	32484	31428	31705
Story	67106	65674	64996	64186	63297	62339	61417	60110	61273	57150	47690
Tama	23079	22696	22388	21987	21781	21660	21457	21007	21929	21753	21795
Taylor	9095	9013	8850	8791	8832	8827	8867	8853	9334	9347	9396
Union	15799	15607	15566	15524	15469	15456	15141	14878	15444	15290	15096
Van Buren	10324	10208	10037	9886	9679	9581	9440	9260	9932	9794	9783
Wapello	41578	41458	41205	40555	39963	39235	38979	38349	40229	40185	41135
Warren	42662	42095	41411	40644	40202	39740	39170	38500	39472	38328	38074
Washington	23981	23578	23157	22964	22757	22508	22170	21915	22679	22398	22608
Wayne	9169	9078	8985	8893	8877	8814	8628	8640	9259	9135	9136
Webster	45074	44715	44338	44024	43540	43377	43037	42383	45987	45630	46510
Winnebago	15631	15760	15489	15384	15270	15325	15193	15376	15672	15285	15248
Winneshiek	23133	22830	22655	22449	22248	21934	21578	21404	22856	22362	22430
Woodbury	108762	105318	103638	101624	100127	98031	96166	94182	103417	100028	98613
Worth	10954	10786	10544	10565	10458	10388	10366	10211	10643	10457	10559
Wright	18237	17667	17178	17084	17243	17099	17098	17055	17619	16595	14049
Official	50376	49144	48047	47680	46850	45861	44837	44081	42349	39772	38318
Unknown	872	841	896	966	968	1092	1167	1396	1346	11952	12569
State of Iowa	3279614	3224016	3176817	3145619	3107525	3067837	3017555	2980454	3184122	3118764	3065482

Figure 1. Automobile registrations in Iowa, 1985-1995.

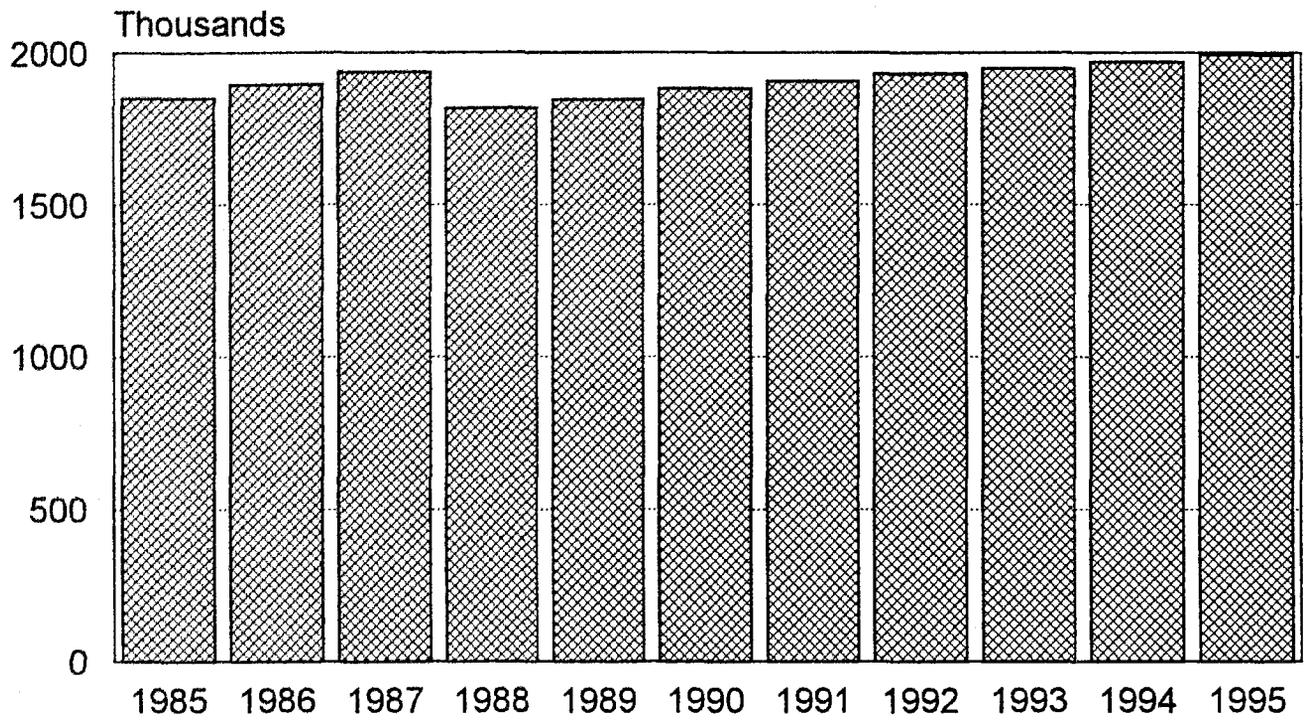
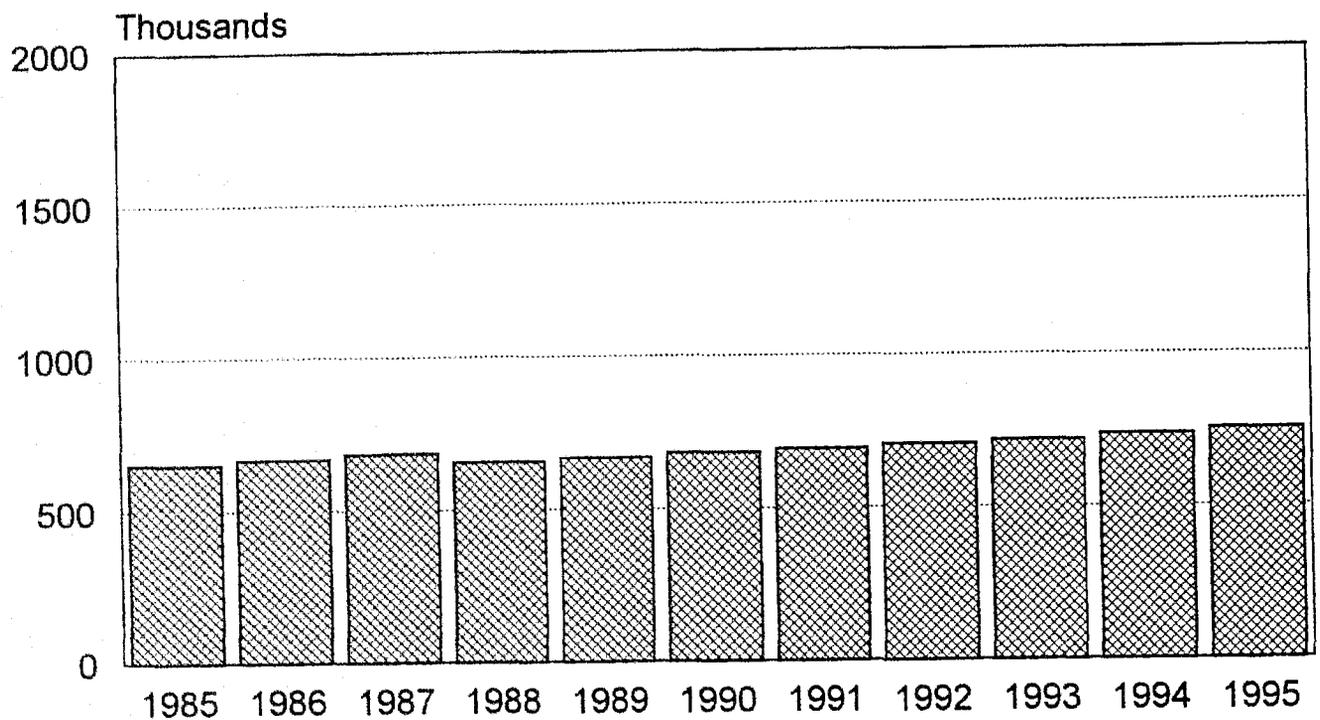


Figure 2. Truck registrations in Iowa, 1985-1995.



Outstanding Obligations of Iowa's Counties:

1987-1995

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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 1995, 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 (42.5%), schools (including area education agencies and community colleges) (23.5%), state agencies (18.0%), and state authorities (11.8%).

The total obligations outstanding at a specified date are noted for counties in Table 1. In 1995, Polk's obligations of \$63,280,000 alone accounted for 36.5 percent of the total county obligations in the state; the addition of \$16.8 million in Black Hawk, \$18.6 million in Lee, and \$12.6 million in Scott raised this to 64.1%. These were the only counties with debts greater than \$10 million. The number of counties with no 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, 31 counties had no outstanding obligations of the types reported by the state treasurer as of 30 June 1995, a total slightly higher than those in 1993 and 1994.

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. Among the 94 counties reporting information in both 1990 and 1995, 49 had greater outstanding obligations at the end of the period than at the beginning. Another 23 reported lower obligations in 1995 than in 1990, while 22 had no outstanding debts of this type either year.

The total county obligations reported in Table 1 include several subtypes. Those for public buildings, health care, public safety, and parks and recreation are labeled 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. These general obligations accounted for 77.2 percent of the total county obligations outstanding as of 1995. The only other classification that accounted for at least 5 percent of the total included those called revenue obligations (14.7% 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 1995 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, 1987-1995.

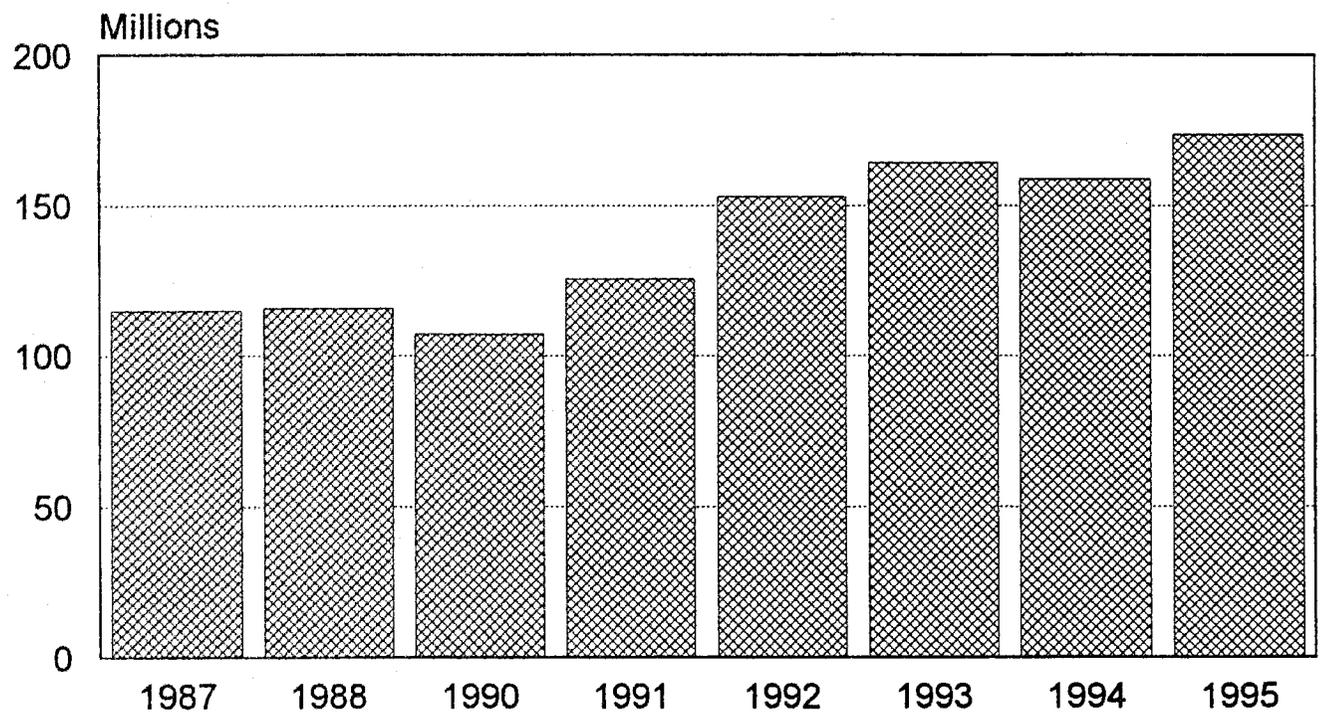
County	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990	30 Sept 1988	30 Sept 1987
Adair	186348	251270	303776	402144	0	0	0	0
Adams	95071	118566	139965	169893	0	0	281496	0
Allamakee	168438	193290	212619	231028	0	0	0	0
Appanoose	0	0	0	0	0	0	0	0
Audubon	300000	0	0	0	0	0	0	0
Benton	0	190000	190000	380000	700000	675000	945000	1065000
Black Hawk	16775000	19925000	24220000	24500000	25215000	11395000	8185000	4500000
Boone	0	0	0	0	0	0	9031	0
Bremer	0	0	83919	123599	0	0	0	0
Buchanan	0	0	1373	1373	112373	3235	5000	5000
Buena Vista	1620000	1880669	2135120	2375732	2611465	2828416	1200961	378315
Butler	60000	0	0	0	0	0	0	0
Calhoun	374610	255624	307128	365762	0	434683	0	0
Carroll	983498	1095346	1259293	1370765	600000	0	4000	8000
Cass	389923	223942	280959	348287	0	0	240000	380891
Cedar	1339061	1458649	1581932	1681932	0	0	0	0
Cerro Gordo	1449458	1390016	3604275	930805	334343	0	0	0
Cherokee	0	0	0	0	0	0	0	0
Chickasaw	0	0	0	0	0	0	*	*
Clarke	2780492	2069321	2150596	278980	0	0	0	0
Clay	0	0	0	0	0	0	0	0
Clayton	325000	370000	410000	450000	450000	0	0	0
Clinton	0	3100	2008100	12800	17200	21300	313700	452000
Crawford	118848	139024	158254	158254	0	0	0	40000
Dallas	1995000	2010000	2010000	2109000	2190000	4725000	2905000	3150000
Davis	470709	231288	318550	434305	170000	549270	335000	405000
Decatur	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	86955	177778
Des Moines	0	0	0	0	0	0	0	0
Dickinson	250300	315459	389669	397068	0	0	0	0
Dubuque	0	0	0	0	0	0	0	250000
Emmet	0	0	0	0	0	0	0	0
Fayette	0	0	0	0	0	*	0	0
Floyd	0	0	0	0	0	0	0	0
Franklin	75000	100000	120000	140000	0	0	0	97042
Fremont	41732	102132	128500	31521	159400	222137	29183	34000
Greene	2565000	2650000	2917964	2938617	0	110000	420000	420000
Grundy	822806	844098	835725	251027	0	45000	0	0
Guthrie	235000	240000	260000	270000	280000	290000	0	0
Hamilton	115000	135000	155000	170000	185000	200000	0	0
Hancock	0	0	0	0	0	0	0	0
Hardin	0	0	0	0	0	0	0	0
Harrison	2000000	400000	0	0	0	0	0	0
Henry	455000	590000	765000	865000	955000	1160000	2065000	2275000
Howard	98537	113075	135151	135151	0	0	145000	210000
Humboldt	0	0	0	0	0	0	80000	80000
Ida	147934	187157	228624	278048	0	0	15000	30000
Iowa	258501	105000	306028	261028	50000	55000	0	0
Jackson	863803	1125263	1368014	1606720	1415000	1575000	1875000	2005000
Jasper	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, 1987-1995 (continued).

County	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	355500	367500	0	0	0	0	0	0
Johnson	183625	183625	201988	219476	0	0	0	200000
Jones	385131	242579	242579	210000	0	0	0	0
Keokuk	325000	115000	60000	60000	135000	150000	0	0
Kossuth	525000	600000	675000	750000	800000	850000	0	0
Lee	18590000	8630000	1805000	7975000	2270000	2085000	655000	685000
Linn	6405421	4978951	4978951	5922442	5182112	5908338	13800000	14100000
Louisa	0	0	10260	12540	14820	17100	85520	147800
Lucas	0	0	0	0	0	0	1545000	1545000
Lyon	0	0	0	0	0	0	0	0
Madison	1005000	745000	885000	1000000	315000	430000	630000	725000
Mahaska	836281	956670	1067971	895000	975000	0	0	0
Marion	420864	580171	722307	779429	0	0	0	0
Marshall	0	0	0	0	0	0	570000	860000
Mills	431315	575710	809648	815904	0	0	0	0
Mitchell	253857	361952	475855	532326	413606	673134	205000	265000
Monona	267780	362809	442804	488802	519392	631915	581733	0
Monroe	970000	1105000	1235000	1355000	1455000	515000	580000	610000
Montgomery	0	0	0	0	0	0	0	0
Muscatine	0	375000	750000	1050000	1645000	1649803	2177100	2410000
O'Brien	0	0	0	0	0	0	0	0
Osceola	369575	410262	449254	0	0	0	0	0
Page	730000	805000	875000	0	0	0	0	0
Palo Alto	0	0	0	0	0	0	0	0
Plymouth	271345	360393	454307	492885	0	0	0	0
Pocahontas	182176	202955	152237	242579	0	0	0	0
Polk	63280000	63895000	67350000	58135000	51470000	50525000	8570130	9900000
Pottawattamie	0	0	0	0	105900	*	825000	825000
Poweshiek	378867	455455	265682	315682	95000	135000	205000	235000
Ringgold	175976	227861	283425	332663	0	0	0	30000
Sac	429804	554498	613316	358780	0	447014	0	0
Scott	12560000	5885000	6255000	2735000	3160000	*	3795000	3795000
Shelby	186019	206499	235511	0	0	0	0	0
Sioux	0	0	0	0	0	0	0	0
Story	1470000	1670000	1930000	2183333	2213494	*	0	0
Tama	500000	580000	650000	720000	785000	850000	370000	210000
Taylor	0	0	20000	40000	60000	80000	110000	125000
Union	410000	515000	480000	555000	680000	680000	830000	0
Van Buren	0	0	0	0	0	*	0	0
Wapello	2116276	1864721	934899	1198532	456570	0	0	0
Warren	1492520	1695357	422992	488669	0	0	0	0
Washington	1388196	1265562	1429000	962510	1046936	614866	0	0
Wayne	175000	254000	200000	225000	245000	0	0	0
Webster	1525000	1765000	2315000	2315000	2740000	5472000	6525000	7020000
Winnebago	5946894	6424743	5481753	5189681	2162685	0	*	*
Winneshiek	337444	177525	194720	0	0	0	0	0
Woodbury	9568000	9307965	9100000	9730000	10010000	10675000	53939300	54650000
Worth	92394	102566	116976	0	0	0	0	0
Wright	961202	1055471	250000	465000	475000	475000	600000	655000
State of Iowa	173512914	158754472	164156067	152924247	125522862	107153211	115739109	114955826

Figure 1. Outstanding obligations in Iowa counties, 1987-1995.



Lottery Sales in Iowa's Counties: 1993-1995

Willis Goudy, Iowa State University

When county figures were summed for fiscal year 1995 (July 1994 through June 1995), lottery sales totaled \$199 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 three most recent annual reports of the Iowa Lottery, sales dropped by nearly \$12 million from 1993 to 1995.

Sales varied considerably across Iowa's counties. For example, less than a half million dollars in sales were noted in 18 counties; in five (Adams, Decatur, Osceola, Ringgold, Van Buren) of these, sales of less than a quarter of a million dollars occurred. In a majority (53) 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 1995.

Nearly a third (32) of the counties followed the state's pattern of declining sales each year from 1993 through 1995. Many of these drops were modest; for example, 36 counties declined in sales by less than \$100,000 when 1993 and 1995 were compared. Black Hawk, Linn, Polk, Pottawattamie, and Woodbury dropped by at least a half million, with Pottawattamie's decline of \$8.4 million exceeding Polk's decrease of \$1.3 million, which was the second greatest, by more than \$7 million. On the other hand, 17 counties had consistent gains across the three years. The increase in Scott exceeded \$2.4 million when 1993 and 1995 were compared; in 14 others, sales in 1995 were at least \$100,000 greater in 1995 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 and \$70 in 1995. Twenty counties had lottery sales of at least \$80 for every resident in 1995, which was \$10 above the state figure. 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 44 counties with sales of less than \$60 per person (or more than \$10 below the state's figure) were rural in nature, a few contained relatively large populations.

Twenty-nine counties had declines in per capita sales across each of the three years examined. When 1993 and 1995 were compared, 18 decreased by at least \$10 per person (Figure 2). Four counties (Allamakee, Lyon, Page, Pottawattamie) dropped by at least \$20 per resident. Fifteen counties noted gains from 1993 to 1994 and from 1994 to 1995 in per capita lottery sales. A third of Iowa's counties (33) had higher per capita sales in 1995 than in 1993, with nine growing by more than \$10 per person, although none increased by at least \$20 per resident.

Note: For additional information on lottery sales, see annual reports published by the Iowa Lottery from 1986 through 1995. 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 1993-1995 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 operating in some counties.

Table 1. Lottery Sales in Iowa Counties, 1993-1995.

County	Sales (\$)			Per Capita Sales (\$)		
	1995	1994	1993	1995	1994	1993
Adair	443671	529108	584414	54	64	69
Adams	222003	209180	231837	49	46	50
Allamakee	1297902	1430113	1646153	92	103	118
Appanoose	1191318	1085579	1087248	87	79	79
Audubon	362119	382895	383872	53	55	55
Benton	967101	947201	1045511	40	40	45
Black Hawk	10857063	10729014	11998134	88	87	96
Boone	1666721	1734372	1716073	65	69	68
Bremer	1495285	1535294	1696955	64	66	73
Buchanan	1599578	1484086	1514017	75	70	72
Buena Vista	1235247	1196386	1351144	62	59	67
Butler	993118	1045241	1169095	63	66	74
Calhoun	616299	611786	625003	54	52	54
Carroll	1193472	1123313	1145593	55	52	53
Cass	1188499	1005537	947455	79	67	63
Cedar	828366	936530	991758	47	53	57
Cerro Gordo	4941607	4875490	4898106	106	105	105
Cherokee	1066035	904497	831326	78	65	60
Chickasaw	794924	885618	886305	59	66	67
Clarke	492978	496584	569835	61	61	68
Clay	1299999	1222046	1292791	75	70	73
Clayton	1628775	1792161	1942265	86	95	103
Clinton	3929675	3275360	3241088	77	64	63
Crawford	1311032	1343462	1145254	80	81	69
Dallas	2035530	2126089	2080861	62	66	66
Davis	355622	376863	401182	42	45	48
Decatur	207378	221532	252249	25	27	31
Delaware	1107901	1145136	1170375	60	62	64
Des Moines	2912734	2888642	2517636	68	67	59
Dickinson	1469914	1417459	1475120	94	92	96
Dubuque	6278458	6132153	6186708	71	69	70
Emmet	822589	983765	975648	74	87	86
Fayette	1532349	1583820	1692264	70	72	77
Floyd	1251978	1335764	1307691	75	80	78
Franklin	733108	748742	764327	66	67	68
Fremont	1007534	1167242	898259	124	143	110
Greene	573212	533965	521366	57	53	51
Grundy	448762	534422	655087	36	44	54
Guthrie	553823	589109	631303	49	52	56
Hamilton	1767373	1681769	1655330	109	105	103
Hancock	887451	884917	757817	73	73	62
Hardin	1418216	1415437	1462363	76	76	79
Harrison	1132615	1433061	1318845	75	96	89
Henry	1205163	1145801	1023440	61	58	52
Howard	751051	703908	771700	76	71	78
Humboldt	837603	857861	963766	81	83	92
Ida	272023	298732	280895	33	36	34
Iowa	764487	812330	935354	50	54	63
Jackson	1609364	1415969	1380415	80	70	69
Jasper	2090423	2226090	2264490	59	63	65

Table 1. Lottery Sales in Iowa Counties, 1993-1995 (continued).

County	Sales (\$)			Per Capita Sales (\$)		
	1995	1994	1993	1995	1994	1993
Jefferson	718826	680696	651488	43	40	39
Johnson	4115059	4018034	4094105	41	40	41
Jones	1061345	1048958	1057035	52	52	53
Keokuk	415095	467176	458647	36	41	39
Kossuth	929260	960567	912181	51	53	50
Lee	2238461	2131343	1870484	57	55	48
Linn	13810949	13626674	14416376	77	77	82
Louisa	950284	959870	913138	81	82	78
Lucas	507225	506234	594785	56	56	66
Lyon	473372	615225	750243	40	52	63
Madison	456813	473528	467397	34	36	36
Mahaska	1214631	1139176	1244841	55	52	58
Marion	1401483	1564925	1520520	45	51	50
Marshall	3071185	2918848	3301706	80	76	87
Mills	1051863	1203100	1152225	76	89	86
Mitchell	652343	736439	735445	59	66	67
Monona	594232	746970	735536	60	75	73
Monroe	691046	688357	733282	85	84	90
Montgomery	709405	754098	773974	59	63	64
Muscatine	3665970	3429841	3183759	88	83	77
O'Brien	766758	825320	858071	50	54	56
Osceola	180722	186533	236986	26	26	33
Page	582755	712986	1043292	35	43	63
Palo Alto	662560	710188	668340	65	68	64
Plymouth	1096582	1109921	1199623	45	46	50
Pocahontas	495808	558370	558081	54	61	61
Polk	27161824	26333810	28433397	78	76	83
Pottawattamie	10532872	19226994	18979956	126	231	227
Poweshiek	1420668	1416634	1458189	75	74	77
Ringgold	218977	235916	238460	41	44	44
Sac	858614	874433	807843	71	72	67
Scott	11775828	10300829	9373047	75	66	60
Shelby	681292	709521	680725	52	54	52
Sioux	661528	705020	678562	21	22	22
Story	2700748	2786573	2941777	36	37	39
Tama	960491	1119623	1193982	54	63	68
Taylor	291976	270397	339505	41	38	48
Union	1069682	1028938	1098413	86	83	87
Van Buren	221604	208870	198932	29	27	26
Wapello	4417248	4109736	4370392	123	114	121
Warren	1729540	1743345	1825979	44	45	48
Washington	1250429	1264563	1162247	61	62	57
Wayne	401118	427034	398234	58	62	57
Webster	3806130	3684834	3659847	97	93	92
Winnebago	1148248	1116940	1058709	96	94	89
Winneshiek	1322307	1485243	1553256	63	71	74
Woodbury	6942966	7595600	7757503	68	75	77
Worth	446525	473069	507592	56	60	64
Wright	1129362	1119332	1079270	79	79	76
State of Iowa	199313457	206452062	211213100	70	73	75

Figure 1. Per capita lottery sales, 1995.

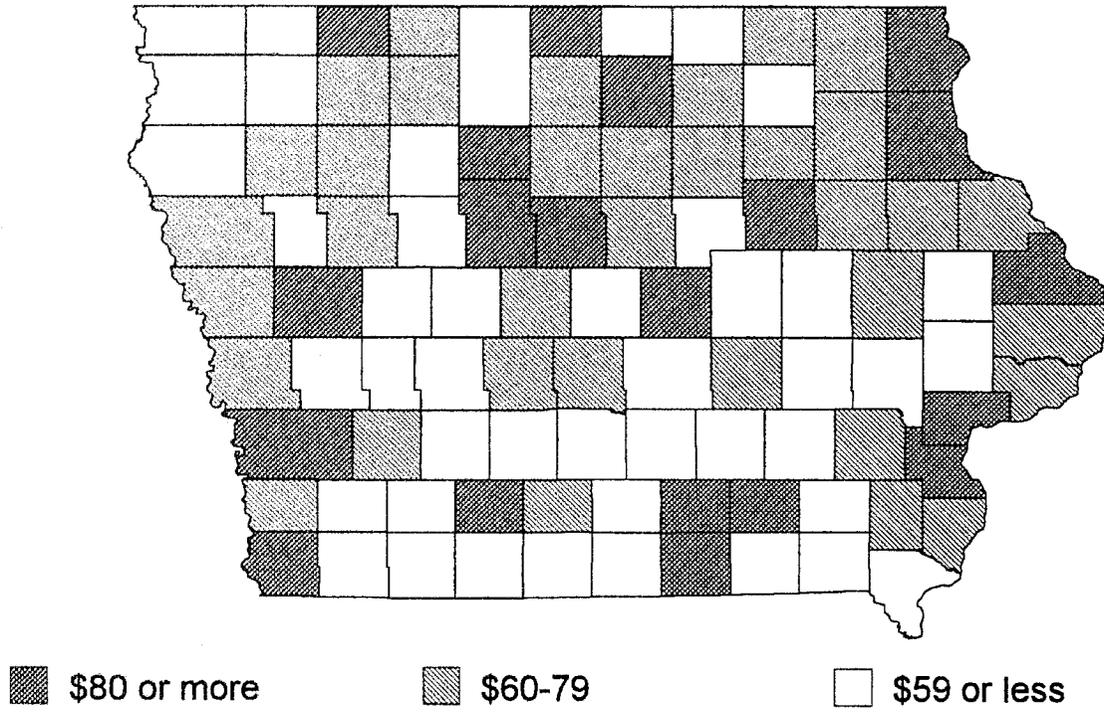
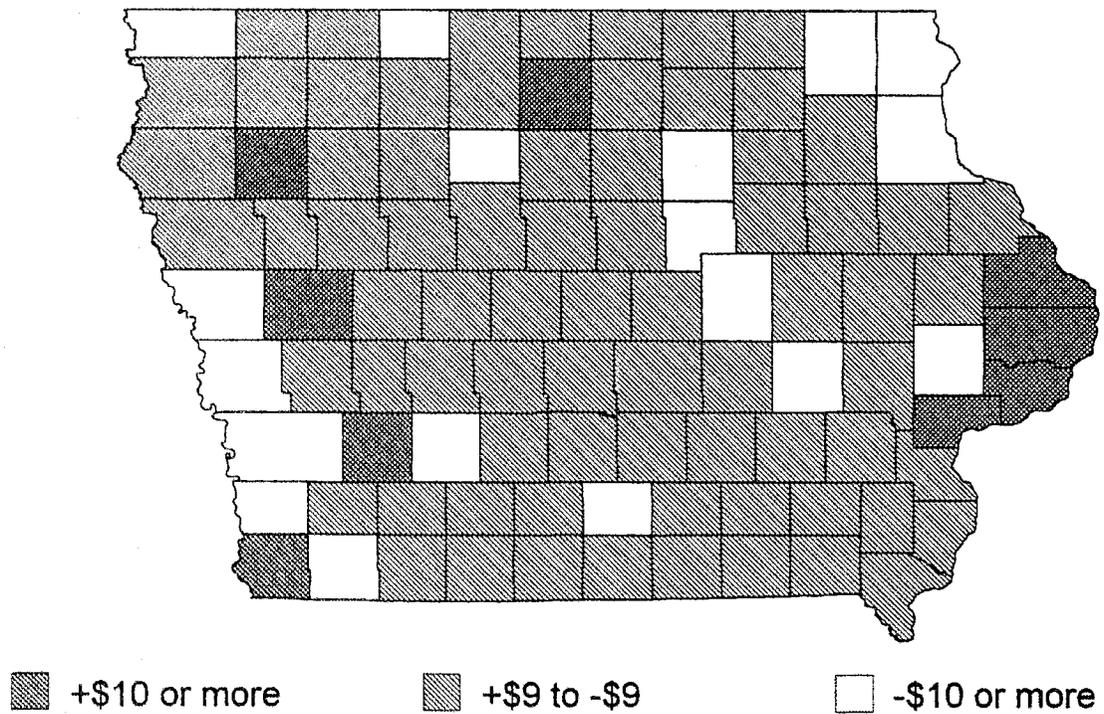


Figure 2. Change in per capita lottery sales, 1993-1995.



Manufacturing in Iowa's Counties:

1977-1992

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The U.S. Bureau of the Census released data from the 1992 Census of Manufactures in February of 1996. This manufacturing census is part of a series of economic reports completed in years ending in 2 and 7. Any business with one or more paid employees engaged in manufacturing is included; manufacturing is defined as the mechanical or chemical transformation of substances or materials into new products. The assembly of component parts of products also is considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills that characteristically use power-driven machines and materials-handling equipment.

Comparisons across counties in the tables that follow are difficult because the census bureau must protect the confidentiality of individual businesses. That occurs in a substantial number of cases; it especially affects Crawford, Louisa, and Woodbury counties all years and Mills and Winnebago in most. While state totals include manufacturing establishments in these counties, data for each of them individually is suppressed so that confidentiality can be maintained. Thus, caution is urged in drawing conclusions from comparisons among counties.

Establishments and Shipments

Iowa's manufacturing establishments numbered 3,913 in 1992, an increase of 344 from 1987 and the first increase since 1977. (Table 1, Figure 1). Polk County had the most manufacturing plants (445); five others (Black Hawk, Dubuque, Linn, Scott, Woodbury) had at least 100. Most counties, however, had significantly fewer manufacturers; 35 counties reported less than 20 and another 47 ranged from 20 through 49. The majority of counties (74) had more plants in 1992 than in 1987, although 19 counties experienced declines while six were the same at both time periods.

The value of shipments made by Iowa's manufacturing plants totaled more than \$46 billion in 1992, nearly \$11 billion more than in 1987 (Table 1). Figures are reported for 85 counties, six of which (Black Hawk, Dubuque, Linn, Muscatine, Polk, Scott) exceeded \$2 billion each while another five (Clinton, Des Moines, Johnson, Lee, Marshall) noted more than \$1 billion in shipments. For most counties, the value of shipments was considerably lower. Shipments were below \$100 million in 32 counties, although Mills was the only one less than \$10 million.

Inflation accounts for some of the change in shipment values from one period to the next. To allow comparison, dollar values during the previous economic censuses were adjusted to 1992 dollars (Table 1, Figure 2). When that was done, the increase in the value of shipments between 1987 and 1992 was nearly \$3 billion, a figure much smaller than with the unadjusted figure (+\$11 billion). This does, however, represent a real gain in sales unlike the significant loss experienced between 1977 and 1982 and the smaller decline between 1982 and 1987. The adjusted shipment value of more than \$53 billion for 1977 shows the robust nature of the manufacturing economy in Iowa in that decade.

Manufacturing establishments in Iowa averaged \$11.8 million each in shipments in 1992 (Table 1). In many counties, average shipment value was lower; four (Calhoun, Harrison, Mills, Palo Alto) were below \$1 million and another 32 averaged less than \$5 million. The impact of large plants is apparent in other counties; the highest average shipments were above \$20 million (Clinton, Iowa, Lee, Marshall, Muscatine, Wapello, Winnebago). After adjusting for inflation, the average value of shipments in Iowa declined in each of the three censuses following 1977.

Table 1. Establishments, Value of Shipments (unadjusted and adjusted to 1992 \$1,000s), and Value of Shipments Per Establishment (unadjusted and adjusted to 1992 \$1,000s) in Manufacturing in Iowa Counties, 1977-1992.

County	Number of Establishments				Value of Shipments (in \$1,000s)				Adjusted Value of Shipments (in 1992 \$1,000s)			Value of Shipments Per Establishment (in \$1,000s)				Adjusted Value of Shipments/Estab. (in 1992 \$1,000s)		
	1992	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Adair	8	11	12	13	.	.	12900	6500	.	18393	14737	.	.	1075	500	.	1533	1134
Adams	4	4	7	5	.	.	8200	1100	.	11692	2494	.	.	1171	220	.	1670	499
Allamakee	18	21	22	29	163600	135100	65200	112800	165951	92965	255742	9089	6433	2964	3890	7902	4226	8819
Appanoose	14	11	13	21	116400	84900	.	54200	104288	.	122883	8314	7718	.	2581	9481	.	5852
Audubon	12	8	7	8	12100	7400	6700	3200	9090	9553	7255	1008	925	957	400	1136	1365	907
Benton	23	23	24	24	32200	63500	24300	41200	78001	34648	93409	1400	2761	1013	1717	3391	1444	3892
Black Hawk	166	154	181	177	2776800	1339800	2989600	1870100	1645754	4262718	4239924	16728	8700	16517	10566	10687	23551	23954
Boone	28	27	28	31	81700	55800	55800	41200	68542	79562	93409	2918	2067	1993	1329	2539	2842	3013
Bremer	41	34	37	41	383500	219900	199100	158700	270116	283887	359807	9354	6468	5381	3871	7945	7673	8776
Buchanan	29	26	23	25	193200	111400	82500	60600	136839	117633	137393	6662	4285	3587	2424	5263	5114	5496
Buena Vista	24	26	36	36	.	.	254200	194300	.	362451	440520	.	.	7061	5397	.	10068	12237
Butler	22	17	17	21	28600	14100	8400	21100	17320	11977	47838	1300	829	494	1005	1019	705	2278
Calhoun	17	15	13	21	13200	12600	8300	20100	15477	11835	45571	776	840	638	957	1032	910	2170
Carroll	36	32	28	25	310200	163600	144400	69200	200959	205893	156891	8617	5113	5157	2768	6280	7353	6276
Cass	26	25	21	26	90000	92800	52500	52300	113992	74857	118575	3462	3712	2500	2012	4560	3565	4561
Cedar	22	23	27	26	78700	73600	59100	44900	90407	84268	101798	3577	3200	2189	1727	3931	3121	3915
Cerro Gordo	62	65	67	63	600500	514900	306800	242200	632482	437450	549120	9685	7922	4579	3844	9730	6529	8716
Cherokee	21	20	23	22	.	121600	255100	.	149368	363734	.	.	6080	11091	.	7468	15815	.
Chickasaw	26	19	19	16	342900	279500	251900	168700	343326	359171	382480	13188	14711	13258	10544	18070	18904	23905
Clarke	17	17	12	12	247200	.	78200	29600	.	111501	67110	14541	.	6517	2467	.	9292	5592
Clay	24	31	34	38	138400	102800	393700	322800	126275	561357	731858	5767	3316	11579	8495	4073	16510	19259
Clayton	41	35	36	36	153600	152400	81700	59000	187202	116492	133766	3746	4354	2269	1639	5349	3236	3716
Clinton	62	47	52	60	1574600	1048600	1035300	809100	1288056	1476181	1834406	25397	22311	19910	13485	27405	28388	30573
Crawford	26	19	23	23	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dallas	37	27	33	30	319100	.	265600	146100	.	378705	331240	8624	.	8048	4870	.	11476	11041
Davis	12	8	9	12	33600	25900	11700	5000	31814	16682	11336	2800	3238	1300	417	3977	1854	945
Decatur	11	6	6	9	12600	15800	13300	24900	19408	18964	56454	1145	2633	2217	2767	3235	3161	6273
Delaware	27	24	24	28	198100	149500	95200	73600	183640	135741	166867	7337	6229	3967	2629	7652	5656	5960
Des Moines	65	63	61	63	1082400	1106600	796400	553200	1359301	1135546	1254225	16652	17565	13056	8781	21576	18616	19908
Dickinson	28	25	19	19	176400	114400	75500	46800	140524	107652	106106	6300	4576	3974	2463	5621	5666	5585
Dubuque	148	143	131	122	2169100	1893400	1393900	1483000	2325773	1987491	3362284	14656	13241	10640	12156	16264	15172	27560
Emmet	16	11	15	18	99900	43800	.	.	53802	.	.	6244	3982	.	4891	.	.	.
Fayette	32	30	30	42	194400	97200	130600	87500	119396	186216	198382	6075	3240	4353	2083	3980	6207	4723

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 1. Establishments, Value of Shipments (unadjusted and adjusted to 1992 \$1,000s), and Value of Shipments Per Establishment (unadjusted and adjusted to 1992 \$1,000s) in Manufacturing in Iowa Counties, 1977-1992 (continued).

County	Number of Establishments				Value of Shipments (in \$1,000s)				Adjusted Value of Shipments (in 1992 \$1,000s)			Value of Shipments Per Establishment (in \$1,000s)				Adjusted Value of Shipments/Estab. (in 1992 \$1,000s)		
	1992	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Floyd	21	17	15	29	192300	118800	.	.	145929	.	.	9157	6988	.	.	8584	.	.
Franklin	21	18	23	23	36100	.	68300	47900	.	97385	108600	1719	.	2970	2083	.	4234	4722
Fremont	6	5	7	9	.	.	1600	1300	.	2281	2947	.	.	229	144	.	326	327
Greene	15	17	17	15	58600	49600	29200	25400	60927	41635	57587	3907	2918	1718	1693	3584	2449	3839
Grundy	17	18	16	20	40900	.	39000	34500	.	55608	78219	2406	.	2438	1725	.	3476	3911
Guthrie	9	9	8	8	.	19000	3600	1500	23339	5133	3401	.	2111	450	188	2593	642	425
Hamilton	36	33	37	42	303500	252700	140700	78900	310406	200617	178883	8431	7658	3803	1879	9406	5422	4259
Hancock	29	22	23	20	157400	68800	101500	21300	84511	144724	48292	5428	3127	4413	1065	3841	6292	2415
Hardin	46	33	35	38	255400	275300	280500	173100	338167	399951	392455	5552	8342	8014	4555	10247	11427	10328
Harrison	14	11	10	8	10800	10000	6400	3900	12284	9125	8842	771	909	640	488	1117	913	1105
Henry	31	26	24	24	568600	290300	123800	108200	356592	176520	245313	18342	11165	5158	4508	13715	7355	10221
Howard	20	19	19	16	101400	72100	97400	63300	88565	138878	143515	5070	3795	5126	3956	4661	7309	8970
Humboldt	23	21	25	23	49100	39100	23200	21700	48029	33080	49199	2135	1862	928	943	2287	1323	2139
Ida	11	12	10	11	101900	101800	42000	26000	125047	59886	58948	9264	8483	4200	2364	10421	5989	5359
Iowa	26	27	23	25	704300	.	.	.	.	.	.	27088	.	.	.	.	.	.
Jackson	37	32	30	31	150700	105200	83200	68900	129223	118631	156211	4073	3288	2773	2223	4038	3954	5039
Jasper	44	48	52	42	.	.	442700	371400	.	631223	842045	.	.	8513	8843	.	12139	20049
Jefferson	52	44	38	27	218500	116500	103700	86600	143104	147861	196341	4202	2648	2729	3207	3252	3891	7272
Johnson	87	76	71	63	1498100	985100	763600	462500	1210056	1088778	1048588	17220	12962	10755	7341	15922	15335	16644
Jones	29	31	34	41	104700	107100	70800	67300	131557	100950	152584	3610	3455	2082	1641	4244	2969	3722
Keokuk	17	16	9	7	40900	.	3100	.	.	4420	.	2406	.	344	.	.	491	.
Kossuth	22	17	24	28	133300	139200	109500	100200	170987	156130	227175	6059	8188	4563	3579	10058	6505	8113
Lee	66	60	69	72	1429300	964700	843300	776400	1184997	1202418	1760268	21656	16078	12222	10783	19750	17426	24448
Linn	245	234	214	225	4689700	3862500	3397300	2399300	4744534	4844037	5439735	19142	16506	15875	10664	20276	22636	24177
Louisa	16	15	12	17	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	9	7	6	10	18000	16300	11700	9500	20022	16682	21539	2000	2329	1950	950	2860	2780	2154
Lyon	18	16	14	15	24200	13400	13300	8900	16460	18964	20178	1344	838	950	593	1029	1355	1345
Madison	9	7	6	11	11600	3700	2300	2300	4545	3279	5215	1289	529	383	209	649	547	474
Mahaska	30	25	30	29	125500	89800	75000	73900	110307	106939	167547	4183	3592	2500	2548	4412	3565	5777
Marion	38	35	31	28	749900	654400	389400	210600	803838	555226	477476	19734	18697	12561	7521	22967	17911	17053
Marshall	48	50	54	56	1082900	652100	660000	432600	801012	941060	980798	22560	13042	12222	7725	16020	17427	17514
Mills	7	5	6	10	4500	.	.	.	.	.	.	643	.	.	.	.	.	.
Mitchell	17	17	14	13	.	.	30900	11700	.	44059	26526	.	.	2207	900	.	3147	2040

Table 1. Establishments, Value of Shipments (unadjusted and adjusted to 1992 \$1,000s), and Value of Shipments Per Establishment (unadjusted and adjusted to 1992 \$1,000s) in Manufacturing in Iowa Counties, 1977-1992 (continued).

County	Number of Establishments				Value of Shipments (in \$1,000s)				Adjusted Value of Shipments (in 1992 \$1,000s)			Value of Shipments Per Establishment (in \$1,000s)				Adjusted Value of Shipments/Estab. (in 1992 \$1,000s)		
	1992	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Monona	10	8	9	7	13500	9000	3900	1400	11055	5561	3174	1350	1125	433	200	1382	618	453
Monroe	13	8	12	9	.	9100	29500	.	11178	42063	.	.	1138	2458	.	1397	3505	.
Montgomery	17	14	15	14	178900	118000	88600	66800	144946	126330	151450	10524	8429	5907	4771	10353	8422	10818
Muscatine	76	81	79	85	2106900	1614500	1538100	965900	1983184	2193098	2189906	27722	19932	19470	11364	24484	27761	25764
O'Brien	27	23	32	33	179800	135100	137000	146700	165951	195341	332601	6659	5874	4281	4445	7215	6104	10079
Osceola	13	11	12	9	.	114200	114800	.	142735	163687	.	.	10564	9567	.	12976	13641	.
Page	27	24	21	22	271100	232600	129200	110200	294315	184220	249847	10041	9983	6152	5009	12263	8772	11357
Palo Alto	20	13	15	14	19700	.	12000	10200	.	17110	23126	985	.	800	729	.	1141	1652
Plymouth	29	23	26	30	.	.	.	128800	.	.	292018	.	.	.	4293	.	.	9734
Pocahontas	20	27	18	21	81400	53900	15900	13900	66209	22671	31514	4070	1996	883	662	2452	1259	1501
Polk	445	425	419	438	4729500	.	3050300	2328700	.	4349267	5279670	10628	.	7280	5317	.	10380	12054
Pottawattamie	74	75	75	82	627600	.	722300	.	.	1029891	.	8481	.	9631	.	.	13732	.
Poweshiek	38	34	32	28	201400	141600	122800	89400	173936	175094	202689	5300	4165	3838	3193	5116	5472	7239
Ringgold	8	4	4	7	10500	3900	5400	1500	4791	7700	3401	1313	975	1350	214	1198	1925	486
Sac	22	25	27	24	34200	29100	43500	38100	35745	62024	86381	1555	1164	1611	1588	1430	2297	3599
Scott	213	193	181	187	2982400	2801500	2278900	1604300	3441246	3249367	3637297	14002	14516	12591	8579	17830	17952	19451
Shelby	14	11	15	15	52700	.	17700	.	.	25238	.	3764	.	1180	.	.	1683	.
Sioux	76	59	57	54	678200	453400	272000	218900	556938	387831	496294	8924	7685	4772	4054	9440	6804	9191
Story	72	58	58	64	618200	405400	356200	263000	497976	507887	596278	8586	6990	6141	4109	8586	8757	9317
Tama	26	20	15	23	199100	.	.	86400	.	.	195888	7658	.	.	3757	.	.	8517
Taylor	9	7	10	12	58000	10300	13800	11500	12652	19677	26073	6444	1471	1380	958	1807	1968	2173
Union	18	16	17	18	85200	55500	78600	18700	68174	112072	42397	4733	3469	4624	1039	4261	6592	2355
Van Buren	11	12	12	9	25900	20500	17200	6400	25181	24525	14510	2355	1708	1433	711	2098	2044	1612
Wapello	33	26	34	39	785600	643900	.	366800	790940	.	831615	23806	24765	.	9405	30421	.	21323
Warren	22	22	22	27	80700	45100	43100	.	55399	61454	.	3668	2050	1959	.	2518	2793	.
Washington	36	26	24	31	194900	102100	126600	109900	125415	180512	249167	5414	3927	5275	3545	4824	7521	8038
Wayne	15	10	11	15	73800	59500	25700	16000	73087	36644	36275	4920	5950	2336	1067	7309	3331	2418
Webster	62	57	64	64	654200	394300	775700	587600	484342	1106031	1332217	10552	6918	12120	9181	8497	17282	20816
Winnebago	19	17	21	26	442200	.	.	.	.	.	.	23274	.	.	.	.	.	.
Winneshiek	31	26	20	18	141500	129700	85700	37600	159318	122195	85247	4565	4988	4285	2089	6128	6110	4736
Woodbury	113	101	110	144	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Worth	9	12	8	8	32500	23100	6300	6700	28375	8983	15190	3611	1925	788	838	2365	1123	1899
Wright	34	31	29	28	354400	248500	224700	232100	305247	320388	526221	10424	8016	7748	8289	9847	11048	18794
State of Iowa	3913	3569	3600	3783	46363800	35408600	31424000	23514900	43494444	44805877	53313396	11849	9921	8729	6216	12187	12446	14093

Table 2. Employees, Annual Payroll (unadjusted and adjusted to 1992 \$1,000s), and Pay Per Employee (unadjusted and adjusted to 1992 \$s) in Manufacturing in Iowa Counties, 1977-1992.

County	Number of Employees				Annual Payroll (in \$1,000s)				Adjusted Annual Payroll (in 1992 \$1,000s)				Pay Per Employee				Adjusted Pay Per Employee (1992 \$s)		
	1992	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	
Adair	.	.	100	100	.	.	2000	1000	.	2852	2267	.	.	20000	10000	.	28517	22672	
Adams	.	.	100	.	.	.	1500	200	.	2139	453	.	.	15000	.	.	21388	.	
Allamakee	1300	1100	800	1000	18900	16100	8500	8800	19777	12120	19952	14538	14636	10625	8800	17979	15150	19952	
Appanoose	900	700	.	900	20400	14300	.	8400	17566	.	19045	22667	20429	.	9333	25094	.	21161	
Audubon	200	100	100	100	4100	1100	1500	900	1351	2139	2040	20500	11000	15000	9000	13512	21388	20405	
Benton	500	600	300	600	9300	11800	5300	6900	14495	7557	15644	18600	19667	17667	11500	24158	25190	26073	
Black Hawk	12800	10600	18200	20600	461300	338100	491900	342000	415308	701375	775388	36039	31896	27027	16602	39180	38537	37640	
Boone	900	900	900	800	20300	16600	13700	9800	20391	19534	22219	22556	18444	15222	12250	22656	21705	27773	
Bremer	1800	1200	1100	1200	49100	31700	21100	16400	38939	30085	37182	27278	26417	19182	13667	32449	27350	30985	
Buchanan	900	600	600	500	21600	10300	7400	5300	12652	10551	12016	24000	17167	12333	10600	21087	17585	24033	
Buena Vista	.	.	1000	1200	.	.	19000	14600	.	27091	33101	.	.	19000	12167	.	27091	27584	
Butler	300	200	100	300	6400	3400	1600	3400	4176	2281	7709	21333	17000	16000	11333	20882	22814	25695	
Calhoun	200	200	200	200	3900	3800	2400	2500	4668	3422	5668	19500	19000	12000	12500	23339	17110	28340	
Carroll	1200	900	800	1000	29000	19600	14500	13300	24076	20675	30154	24167	21778	18125	13300	26751	25844	30154	
Cass	1000	1200	500	600	19600	22600	6800	6200	27761	9696	14057	19600	18833	13600	10333	23134	19392	23428	
Cedar	700	600	500	500	15300	10200	6400	5400	12529	9125	12243	21857	17000	12800	10800	20882	18251	24486	
Cerro Gordo	3300	3200	2700	2500	78600	64600	45800	31400	79352	65304	71191	23818	20187	16963	12560	24797	24187	28476	
Cherokee	.	700	1000	.	.	16200	19400	.	19899	27661	.	.	23143	19400	.	28428	27661	.	
Chickasaw	1500	1300	1200	1100	33500	25600	21300	13000	31446	30371	29474	22333	19692	17750	11818	24189	25309	26794	
Clarke	1400	.	700	500	24600	.	11100	4200	.	15827	9522	17571	.	15857	8400	.	22610	19045	
Clay	1100	1000	1200	1800	23100	18700	21000	23400	22970	29943	53053	21000	18700	17500	13000	22970	24952	29474	
Clayton	1300	1200	700	900	23400	16200	8700	7900	19899	12405	17911	18000	13500	12429	8778	16583	17721	19901	
Clinton	5300	4000	5900	7100	149800	101200	125000	97100	124310	178231	220147	28264	25300	21186	13676	31077	30209	31007	
Crawford
Dallas	1900	.	1200	1400	42500	.	29400	19400	.	41920	43984	22368	.	24500	13857	.	34933	31417	
Davis	300	200	200	200	6500	3600	2500	1700	4422	3565	3854	21667	18000	12500	8500	22110	17823	19271	
Decatur	300	400	300	300	4300	5800	3200	2300	7124	4563	5215	14333	14500	10667	7667	17811	15209	17382	
Delaware	800	800	600	700	19800	17900	9900	7300	21988	14116	16551	24750	22375	16500	10429	27485	23527	23644	
Des Moines	6200	6600	6300	7500	182900	170500	132000	103000	209435	188212	233523	29500	25833	20952	13733	31733	29875	31136	
Dickinson	1700	1200	1000	1300	40400	22800	16300	12300	28007	23241	27887	23765	19000	16300	9462	23339	23241	21451	
Dubuque	12700	12200	11900	15300	379900	318400	278800	273100	391109	397527	619177	29913	26098	23429	17850	32058	33406	40469	
Emmet	700	300	.	.	14000	4500	.	.	5528	.	.	20000	15000	.	.	18425	.	.	
Fayette	1000	800	800	900	24000	15400	11100	10300	18917	15827	23352	24000	19250	13875	11444	23646	19784	25947	

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 2. Employees, Annual Payroll (unadjusted and adjusted to 1992 \$1,000s), and Pay Per Employee (unadjusted and adjusted to 1992 \$s) in Manufacturing in Iowa Counties, 1977-1992 (continued).

County	Number of Employees				Annual Payroll (in \$1,000s)				Adjusted Annual Payroll (in 1992 \$1,000s)				Pay Per Employee				Adjusted Pay Per Employee (1992 \$s)		
	1992	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	
Floyd	1700	1300	.	.	41500	26300	.	.	32306	.	.	24412	20231	.	.	24851	.	.	
Franklin	500	.	1000	900	10900	.	15800	11800	.	22528	26753	21800	.	15800	13111	.	22528	29726	
Fremont	.	.	.	.	.	.	300	300	.	428	680	.	.	.	.	.	.	.
Greene	400	500	400	600	9300	9200	6700	6700	11301	9553	15190	23250	18400	16750	11167	22602	23883	25317	
Grundy	400	.	400	600	9200	.	6000	6500	.	8555	14737	23000	.	15000	10833	.	21388	24562	
Guthrie	.	400	100	100	.	4100	700	800	5036	998	1814	.	10250	7000	8000	12591	9981	18138	
Hamilton	2200	2300	1600	1200	48300	41700	21400	11100	51223	30513	25166	21955	18130	13375	9250	22271	19071	20972	
Hancock	1100	900	700	400	23800	16700	11000	5100	20514	15684	11563	21636	18556	15714	12750	22793	22406	28907	
Hardin	1400	1200	1200	1100	28900	20000	19000	10500	24567	27091	23806	20643	16667	15833	9545	20473	22576	21642	
Harrison	100	100	100	100	2600	2500	1600	900	3071	2281	2040	26000	25000	16000	9000	30709	22814	20405	
Henry	2300	1600	1000	1500	56600	32400	16600	14900	39799	23669	33782	24609	20250	16600	9933	24874	23669	22521	
Howard	700	400	300	300	14200	8700	5500	3600	10687	7842	8162	20286	21750	18333	12000	26717	26141	27207	
Humboldt	600	500	400	400	13300	9600	5700	4900	11792	8127	11109	22167	19200	14250	12250	23584	20318	27773	
Ida	800	700	400	300	21400	15900	6900	3400	19531	9838	7709	26750	22714	17250	11333	27901	24596	25695	
Iowa	4100	.	.	.	115300	.	.	.	.	.	.	28122	.	.	.	.	.	.
Jackson	1200	800	600	1000	19100	12900	7900	9000	15846	11264	20405	15917	16125	13167	9000	19807	18774	20405	
Jasper	.	.	4700	4600	.	.	95200	67200	.	135741	152357	.	.	20255	14609	.	28881	33121	
Jefferson	1900	1400	1700	1800	52700	27500	28600	21100	33780	40779	47838	27737	19643	16824	11722	24128	23988	26577	
Johnson	3300	3700	3300	2700	89400	84500	62300	35000	103796	88830	79353	27091	22838	18879	12963	28053	26918	29390	
Jones	700	700	700	900	16800	14100	11200	9600	17320	15970	21765	24000	20143	16000	10667	24743	22814	24184	
Keokuk	200	.	100	.	4100	.	700	.	.	998	.	20500	.	7000	.	.	9981	.	
Kossuth	900	1100	900	1100	22500	24600	15100	14800	30218	21530	33555	25000	22364	16778	13455	27471	23923	30504	
Lee	6100	5000	6600	7600	173500	129000	128500	100000	158458	183222	226722	28443	25800	19470	13158	31692	27761	29832	
Linn	22700	23400	25400	28100	811500	669800	561100	404500	822754	800044	917090	35749	28624	22091	14395	35160	31498	32637	
Louisa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	300	300	300	300	4300	5300	3200	2700	6510	4563	6121	14333	17667	10667	9000	21701	15209	20405	
Lyon	300	200	200	200	6600	3800	3400	2300	4668	4848	5215	22000	19000	17000	11500	23339	24239	26073	
Madison	200	100	.	.	3500	1000	500	500	1228	713	1134	17500	10000	.	.	12284	.	.	
Mahaska	900	800	1000	1300	23100	16600	14600	13200	20391	20817	29927	25667	20750	14600	10154	25488	20817	23021	
Marion	5100	4400	3500	3100	145100	111700	62900	42200	137208	89686	95677	28451	25386	17971	13613	31184	25625	30863	
Marshall	4800	4500	6000	7000	154000	131200	137100	109500	161161	195484	248260	32083	29156	22850	15643	35813	32581	35466	
Mills	100	.	.	.	1200	.	.	.	.	.	.	12000	.	.	.	.	.	.
Mitchell	.	.	300	200	.	.	4300	2100	.	6131	4761	.	.	14333	10500	.	20437	23806	

Table 2. Employees, Annual Payroll (unadjusted and adjusted to 1992 \$1,000s), and Pay Per Employee (unadjusted and adjusted to 1992 \$s) in Manufacturing in Iowa Counties, 1977-1992 (continued).

County	Number of Employees				Annual Payroll (in \$1,000s)				Adjusted Annual Payroll (in 1992 \$1,000s)				Pay Per Employee				Adjusted Pay Per Employee (1992 \$s)		
	1992	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977	
Monona	200	100	100	.	3000	2000	1600	300	2457	2281	680	15000	20000	16000	.	24567	22814	.	
Monroe	.	200	600	.	.	2900	9100	.	3562	12975	.	.	14500	15167	.	17811	21625	.	
Montgomery	1200	1200	1100	1100	29000	21600	19100	12100	26533	27234	27433	24167	18000	17364	11000	22110	24758	24939	
Muscatine	8400	8300	7900	7900	288100	217900	172900	103500	267659	246529	234657	34298	26253	21886	13101	32248	31206	29703	
O'Brien	400	500	400	600	8000	6900	6500	6400	8476	9268	14510	20000	13800	16250	10667	16951	23170	24184	
Osceola	.	400	300	.	.	5900	4500	.	7247	6416	.	.	14750	15000	.	18118	21388	.	
Page	1500	1400	1300	1400	39800	31700	22700	16100	38939	32367	36502	26533	22643	17462	11500	27814	24898	26073	
Palo Alto	200	.	200	200	3900	.	2800	2200	.	3992	4988	19500	.	14000	11000	.	19962	24939	
Plymouth	.	.	.	600	.	.	.	7700	.	.	17458	.	.	.	12833	.	.	29096	
Pocahontas	600	500	400	400	11800	9200	4600	4300	11301	6559	9749	19667	18400	11500	10750	22602	16397	24373	
Polk	23900	.	21800	25100	747400	.	472300	381700	.	673428	865397	31272	.	21665	15207	.	30891	34478	
Pottawattamie	3600	.	3500	.	75200	.	53800	.	.	76711	.	20889	.	15371	.	.	21917	.	
Poweshiek	1800	1600	1400	1500	43800	32600	22400	16100	40044	31939	36502	24333	20375	16000	10733	25028	22814	24335	
Ringgold	200	100	200	100	2100	1100	1500	500	1351	2139	1134	10500	11000	7500	5000	13512	10694	11336	
Sac	300	200	400	600	4700	3200	6300	6700	3931	8983	15190	15667	16000	15750	11167	19654	22457	25317	
Scott	12500	13500	16100	17300	441400	421600	399300	291600	517876	569341	661121	35312	31230	24801	16855	38361	35363	38215	
Shelby	300	.	200	.	6200	.	3400	.	.	4848	.	20667	.	17000	.	.	24239	.	
Sioux	4500	3100	2600	1800	87000	48200	32500	19500	59207	46340	44211	19333	15548	12500	10833	19099	17823	24562	
Story	2500	2500	2900	3300	66800	52600	51100	42000	64612	72861	95223	26720	21040	17621	12727	25845	25124	28855	
Tama	700	.	.	500	15200	.	.	6100	.	.	13830	21714	.	.	12200	.	.	27660	
Taylor	400	200	300	300	5200	2900	3200	2500	3562	4563	5668	13000	14500	10667	8333	17811	15209	18893	
Union	1000	700	1200	400	19700	15400	19800	4900	18917	28232	11109	19700	22000	16500	12250	27024	23527	27773	
Van Buren	400	400	300	200	7300	5900	3900	1800	7247	5561	4081	18250	14750	13000	9000	18118	18536	20405	
Wapello	3200	2100	.	3700	96700	69500	.	61900	85371	.	140341	30219	33095	.	16730	40653	.	37930	
Warren	500	400	300	.	11500	6800	4900	.	8353	6987	.	23000	17000	16333	.	20882	23289	.	
Washington	1400	800	1000	1400	32100	18400	17800	15700	22602	25380	35595	22929	23000	17800	11214	28252	25380	25425	
Wayne	500	400	400	400	9200	6700	5500	3100	8230	7842	7028	18400	16750	13750	7750	20575	19605	17571	
Webster	3000	2700	3300	3700	98800	58400	61000	53100	71736	86977	120389	32933	21630	18485	14351	26569	26357	32538	
Winnebago	3700	.	.	.	77100	.	.	.	.	.	.	20838	.	.	.	.	.	.
Winneshiek	1000	1100	700	600	22900	17100	9800	5800	21005	13973	13150	22900	15545	14000	9667	19095	19962	21916	
Woodbury	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Worth	500	300	200	200	8300	5100	1900	1500	6265	2709	3401	16600	17000	9500	7500	20882	13546	17004	
Wright	1300	1100	900	800	30200	22900	13000	8500	28129	18536	19271	23231	20818	14444	10625	25572	20596	24089	
State of Iowa	227300	206100	213300	240300	6456900	4971100	4410400	3382500	6106291	6288564	7668864	28407	24120	20677	14076	29628	29482	31914	

Table 3. Establishments With At Least 20 Workers and Production Workers, Other Workers, and Production Hours (in 1,000s) in All Manufacturing Establishments in Iowa Counties, 1977-1992.

County	Number of Establishments with 20+ Workers				Production Workers in All Establishments				Other Workers in All Establishments				Production Hours (in 1,000s) in All Establishments			
	1992	1987	1982	1977	1992	1987	1982	1977	1992	1987	1982	1977	1992	1987	1982	1977
Adair	3	1	1	1	.	.	150	100	.	.	0	0	. ^a	.	200	200
Adams	1	2	2	0	.	.	150	.	.	.	0	.	.	.	200	.
Allamakee	7	4	6	6	1100	900	650	900	200	200	200	100	1800	1900	1100	1700
Appanoose	6	4	5	7	700	600	.	600	200	100	.	300	1400	1200	.	1300
Audubon	3	2	1	1	100	100	150	100	100	0	0	0	300	100	100	100
Benton	9	8	5	6	300	500	250	400	200	100	100	200	500	1000	400	800
Black Hawk	59	51	60	58	9100	7200	12450	15500	3700	3400	5800	5100	18200	13700	22200	29900
Boone	12	12	12	10	600	600	550	600	300	300	400	200	1200	1200	1100	1200
Bremer	15	12	12	13	1400	900	950	1000	400	300	200	200	2800	2000	1600	2000
Buchanan	11	10	6	6	600	500	450	400	300	100	200	100	1500	1000	600	800
Buena Vista	10	8	6	10	.	.	850	1000	.	.	200	200	.	.	1700	1800
Butler	3	3	1	1	200	200	150	200	100	0	0	100	400	300	200	400
Calhoun	2	3	2	3	100	200	150	200	100	0	100	0	200	400	300	400
Carroll	11	8	6	8	1000	800	750	700	200	100	100	300	2000	1400	1300	1400
Cass	9	9	7	11	600	700	350	400	400	500	200	200	1200	1200	500	700
Cedar	8	8	8	6	600	500	350	400	100	100	200	100	1000	900	600	700
Cerro Gordo	26	26	26	26	2400	2300	2050	1900	900	900	700	600	4800	4200	4000	3800
Cherokee	9	6	9	7	.	600	750	.	.	100	300	.	.	1200	1500	.
Chickasaw	8	7	8	5	1300	1100	850	900	200	200	400	200	2900	2000	1500	1700
Clarke	11	8	8	6	1000	.	550	400	400	.	200	100	1500	.	900	700
Clay	12	9	10	13	900	800	1050	1400	200	200	200	400	1700	1500	1800	2900
Clayton	13	13	12	10	1100	900	650	800	200	300	100	100	2200	1900	1000	1400
Clinton	27	23	24	32	4100	3100	4350	5400	1200	900	1600	1700	8500	6600	8700	10600
Crawford	10	5	6	5	.	.	.	.	.	.	.	.	.	.	.	.
Dallas	17	12	11	12	1600	.	1050	1200	300	.	200	200	3400	.	1900	2100
Davis	4	3	4	2	200	200	250	100	100	0	0	100	500	300	300	300
Decatur	4	3	3	4	200	300	250	300	100	100	100	0	300	700	500	500
Delaware	10	9	8	8	600	600	550	500	200	200	100	200	1300	1200	900	1100
Des Moines	27	30	30	30	4600	5000	4450	5500	1600	1600	1900	2000	9000	9800	8100	10700
Dickinson	6	7	5	5	1200	700	750	1100	500	500	300	200	2600	1200	1500	1400
Dubuque	66	58	51	49	8500	8300	7450	11000	4200	3900	4500	4300	17000	16200	13200	22400
Emmet	5	4	5	7	400	300	.	.	300	0	.	.	900	500	.	.
Fayette	12	9	9	11	900	600	650	700	100	200	200	200	1700	1200	1100	1400

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 3. Establishments With At Least 20 Workers and Production Workers, Other Workers, and Production Hours (in 1,000s) in All Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Number of Establishments with 20+ Workers				Production Workers in All Establishments				Other Workers in All Establishments				Production Hours (in 1,000s) in All Establishments			
	1992	1987	1982	1977	1992	1987	1982	1977	1992	1987	1982	1977	1992	1987	1982	1977
Floyd	9	5	4	6	1000	900	.	.	700	400	.	.	2200	1700	.	.
Franklin	3	6	8	7	400	.	700	700	100	.	300	200	700	.	1200	1400
Fremont	3	1	0	1	.	.	.	.	.	.	.	.	.	.	.	.
Greene	5	5	6	7	300	400	300	400	100	100	100	200	700	800	600	900
Grundy	5	4	5	7	300	.	300	400	100	.	100	200	600	.	500	900
Guthrie	1	3	1	1	.	400	.	100	.	0	.	0	.	500	100	200
Hamilton	10	15	17	14	1700	1700	1100	900	500	600	500	300	3500	3200	1900	1700
Hancock	9	9	6	4	800	700	500	300	300	200	200	100	1500	1300	900	700
Hardin	17	14	14	15	1100	900	900	900	300	300	300	200	2400	1800	1700	1700
Harrison	3	4	2	1	100	100	100	100	0	0	0	0	200	200	200	100
Henry	11	10	8	8	1700	1200	800	1200	600	400	200	300	3600	2400	1500	2500
Howard	5	2	3	3	500	300	200	300	200	100	100	0	1000	600	400	500
Humboldt	10	8	7	8	500	400	300	300	100	100	100	100	1000	800	500	700
Ida	4	4	3	3	500	400	300	200	300	300	100	100	1200	1100	600	500
Iowa	11	8	7	9	2800	.	.	.	1300	.	.	.	5400	.	.	.
Jackson	16	13	11	10	1000	700	400	800	200	100	200	200	1800	1400	900	1600
Jasper	15	14	15	15	.	.	2200	2800	.	.	2500	1800	.	.	3900	5200
Jefferson	15	15	15	13	1600	1000	1200	1400	300	400	500	400	3100	2000	2100	2600
Johnson	17	18	22	18	2500	2500	2200	2100	800	1200	1100	600	4500	4600	3800	4200
Jones	10	10	9	11	500	500	500	700	200	200	200	200	900	1100	900	1300
Keokuk	3	1	0	1	200	.	.	.	0	.	.	.	300	.	100	.
Kossuth	8	6	4	6	700	900	700	900	200	200	200	200	1300	1800	1300	1700
Lee	34	26	33	31	4500	3600	4600	5800	1600	1400	2000	1800	9200	7100	8500	11600
Linn	95	91	77	80	11900	11400	13400	16700	10800	12000	12000	11400	24000	23000	24900	32700
Louisa	6	3	3	3	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	3	4	3	2	200	200	200	200	100	100	100	100	400	400	400	400
Lyon	5	3	2	3	200	200	200	100	100	0	0	100	500	400	300	300
Madison	2	1	0	0	200	.	.	.	0	.	.	.	300	100	100	.
Mahaska	9	8	8	13	700	600	700	800	200	200	300	500	1400	1200	1300	1500
Marion	17	13	11	8	4000	3500	2700	2600	1100	900	800	500	8000	7200	4600	5000
Marshall	17	20	22	22	3100	2700	3300	4100	1700	1800	2700	2900	6600	5300	5800	7700
Mills	2	0	1	3	.	.	.	.	.	.	.	.	100	.	.	.
Mitchell	4	3	3	3	.	.	200	200	.	.	100	0	.	.	400	400

Table 3. Establishments With At Least 20 Workers and Production Workers, Other Workers, and Production Hours (in 1,000s) in All Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Number of Establishments with 20+ Workers				Production Workers in All Establishments				Other Workers in All Establishments				Production Hours (in 1,000s) in All Establishments			
	1992	1987	1982	1977	1992	1987	1982	1977	1992	1987	1982	1977	1992	1987	1982	1977
Monona	2	1	2	0	100	100	100	.	100	0	0	.	200	100	200	.
Monroe	8	5	5	5	.	200	500	.	.	0	100	.	.	300	1000	.
Montgomery	5	6	6	6	1000	1000	900	800	200	200	200	300	1900	1800	1500	1700
Muscatine	42	43	40	43	5700	5900	5700	5600	2700	2400	2200	2300	12000	11900	11000	10800
O'Brien	7	8	5	7	300	300	300	400	100	200	100	200	600	700	600	800
Osceola	3	4	4	4	.	300	300	.	.	100	0	.	.	600	600	.
Page	7	8	11	9	1100	1100	900	1100	400	300	400	300	2400	2200	1500	2100
Palo Alto	4	4	4	4	200	.	100	100	0	.	100	100	300	.	200	200
Plymouth	10	7	9	9	.	.	.	500	.	.	.	100	.	.	.	1000
Pocahontas	7	7	4	4	400	300	200	300	200	200	200	100	800	600	300	500
Polk	156	139	126	130	14100	.	12600	15900	9800	.	9200	9200	29700	.	23700	30800
Pottawattamie	22	26	28	24	2800	.	2800	.	800	.	700	.	5600	.	5400	.
Poweshiek	15	14	13	15	1400	1200	1100	1200	400	400	300	300	2500	2200	2200	2300
Ringgold	2	1	2	1	100	100	100	100	100	0	100	0	200	100	300	100
Sac	4	3	3	5	200	200	200	500	100	0	200	100	400	300	500	800
Scott	71	62	67	69	8700	9500	10400	12600	3800	4000	5700	4700	18500	19400	18500	23700
Shelby	5	4	3	3	200	.	100	.	100	.	100	.	400	.	200	.
Sioux	28	19	21	17	3300	2400	2100	1500	1200	700	500	300	6700	4200	3600	3000
Story	22	19	14	18	1600	1700	1900	2300	900	800	1000	1000	3000	3300	3600	4600
Tama	5	4	3	5	600	.	.	400	100	.	.	100	1200	.	.	800
Taylor	3	2	3	3	400	200	200	200	0	0	100	100	800	300	400	400
Union	8	7	7	4	700	500	900	200	300	200	300	200	1300	900	1800	500
Van Buren	4	6	6	4	300	300	300	200	100	100	0	0	600	600	500	400
Wapello	12	12	12	17	2500	1500	.	2600	700	600	.	1100	5300	3000	.	4800
Warren	7	7	4	5	300	200	200	.	200	200	100	.	500	400	300	.
Washington	11	7	10	9	900	600	800	1000	500	200	200	400	1900	1200	1500	2000
Wayne	6	5	5	5	400	200	300	300	100	200	100	100	800	500	500	500
Webster	22	24	31	26	1500	1500	2000	2800	1500	1200	1300	900	3000	3300	4200	5900
Winnebago	9	6	5	7	2900	.	.	.	800	.	.	.	4900	.	.	.
Winneshiek	10	9	7	7	800	900	600	500	200	200	100	100	1600	1300	1100	1000
Woodbury	62	51	52	54	.	.	.	.	.	.	.	.	.	.	.	.
Worth	2	2	2	2	400	300	100	100	100	0	100	100	600	600	200	300
Wright	13	13	11	9	1000	800	600	400	300	300	300	400	2000	1400	1100	900
State of Iowa	1414	1259	1224	1245	157600	140100	140400	170600	69700	66000	72900	69700	319800	277500	260000	331700

Table 4. Wages of Production Workers (unadjusted and adjusted in 1992 \$1,000s) and Payroll for Other Workers (unadjusted and adjusted in 1992 \$1,000s) in Manufacturing Establishments in Iowa Counties, 1977-1992.

County	Wages of Production Workers (in \$1,000s)				Adjusted Wages of Production Workers (in 1992 \$1,000s)			Payroll for Other Workers (in \$1,000s)				Adjusted Payroll for Other Workers (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Adair	.a	.	1500	800	.	2139	1814	.	.	500	200	.	713	453
Adams	.	.	1100	100	.	1568	227	.	.	400	100	.	570	227
Allamakee	16200	13700	6100	6800	16829	8698	15417	2700	2400	2400	2000	2948	3422	4534
Appanoose	14100	9500	.	6300	11669	.	14283	6300	4800	.	2100	5896	.	4761
Audubon	2400	600	900	600	737	1283	1360	1700	500	600	300	614	856	680
Benton	6100	8300	3300	4400	10195	4705	9976	3200	3500	2000	2500	4299	2852	5668
Black Hawk	298900	207300	317500	245100	254639	452707	555695	162400	130800	174400	96900	160669	248668	219693
Boone	11700	9400	7100	6400	11547	10124	14510	8600	7200	6600	3400	8844	9411	7709
Bremer	34800	23300	15300	12600	28621	21815	28567	14300	8400	5800	3800	10318	8270	8615
Buchanan	13300	7300	5100	4200	8967	7272	9522	8300	3000	2300	1100	3685	3279	2494
Buena Vista	.	.	15600	11300	.	22243	25620	.	.	3400	3300	.	4848	7482
Butler	4500	2100	1100	2100	2580	1568	4761	1900	1300	500	1300	1597	713	2947
Calhoun	2100	2400	1400	1500	2948	1996	3401	1800	1400	1000	1000	1720	1426	2267
Carroll	21600	15000	11300	7400	18425	16112	16777	7400	4600	3200	5900	5650	4563	13377
Cass	12100	11100	3400	3600	13635	4848	8162	7500	11500	3400	2600	14126	4848	5895
Cedar	9600	7100	4000	3500	8721	5703	7935	5700	3100	2400	1900	3808	3422	4308
Cerro Gordo	49300	40800	31500	21700	50117	44914	49199	29300	23800	14300	9700	29235	20390	21992
Cherokee	.	12500	15100	.	15354	21530	.	.	3700	4300	.	4545	6131	.
Chickasaw	24900	19600	12300	9400	24076	17538	21312	8600	6000	9000	3600	7370	12833	8162
Clarke	15600	.	7900	3100	.	11264	7028	9000	.	3200	1100	.	4563	2494
Clay	17400	13600	14700	16400	16706	20960	37182	5700	5100	6300	7000	6265	8983	15871
Clayton	16500	11800	6200	5900	14495	8840	13377	6900	4400	2500	2000	5405	3565	4534
Clinton	107000	72800	86500	68400	89424	123336	155078	42800	28400	38500	28700	34885	54895	65069
Crawford	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dallas	30400	.	23100	15000	.	32937	34008	12100	.	6300	4400	.	8983	9976
Davis	4500	2600	1700	1300	3194	2424	2947	2000	1000	800	400	1228	1141	907
Decatur	2200	4500	2600	2000	5528	3707	4534	2100	1300	600	300	1597	856	680
Delaware	14600	12900	7000	5100	15846	9981	11563	5200	5000	2900	2200	6142	4135	4988
Des Moines	119500	124500	80900	69400	152931	115351	157345	63400	46000	51100	33600	56504	72861	76179
Dickinson	23100	12200	10100	7900	14986	14401	17911	17300	10600	6200	4400	13021	8840	9976
Dubuque	215800	199900	161600	192300	245549	230417	435986	164100	118500	117200	80800	145560	167109	183191
Emmet	7100	3000	.	.	3685	.	.	6900	1500	.	.	1843	.	.
Fayette	18800	11300	8200	6600	13880	11692	14964	5200	4100	2900	3700	5036	4135	8389

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 4. Wages of Production Workers (unadjusted and adjusted in 1992 \$1,000s) and Payroll for Other Workers (unadjusted and adjusted in 1992 \$1,000s) in Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Wages of Production Workers (in \$1,000s)				Adjusted Wages of Production Workers (in 1992 \$1,000s)			Payroll for Other Workers (in \$1,000s)				Adjusted Payroll for Other Workers (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Floyd	20100	14000	.	.	17197	.	.	21400	12300	.	.	15109	.	.
Franklin	7700	.	9700	8800	.	13831	19952	3200	.	6100	3000	.	8698	6802
Fremont	.	.	200	100	.	285	227	.	.	100	200	.	143	453
Greene	6200	6800	4700	4400	8353	6701	9976	3100	2400	2000	2300	2948	2852	5215
Grundy	5800	.	3800	4000	.	5418	9069	3400	.	2200	2500	.	3137	5668
Guthrie	.	2900	500	700	3562	713	1587	.	1200	200	100	1474	285	227
Hamilton	33200	27400	13300	7600	33657	18964	17231	15100	14300	8100	3500	17566	11549	7935
Hancock	16800	10900	7300	3300	13389	10409	7482	7000	5800	3700	1800	7124	5276	4081
Hardin	19500	13700	14100	7400	16829	20104	16777	9400	6300	4900	3100	7739	6987	7028
Harrison	1500	1500	1100	600	1843	1568	1360	1100	1000	500	300	1228	713	680
Henry	34600	21600	11100	11400	26533	15827	25846	22000	10800	5500	3500	13266	7842	7935
Howard	9900	6500	4000	2500	7984	5703	5668	4300	2200	1500	1100	2702	2139	2494
Humboldt	8600	6300	3900	3400	7739	5561	7709	4700	3300	1800	1500	4054	2567	3401
Ida	12200	8300	3900	2300	10195	5561	5215	9200	7600	3000	1100	9336	4278	2494
Iowa	69300	.	.	.	.	.	.	46000	.	.	.	.	.	.
Jackson	13300	9500	5600	7000	11669	7985	15871	5800	3400	2300	2000	4176	3279	4534
Jasper	.	.	44100	37500	.	62880	85021	.	.	51100	29700	.	72861	67336
Jefferson	40100	18500	17300	14300	22725	24667	32421	12600	9000	11300	6800	11055	16112	15417
Johnson	62600	54300	38900	23500	66700	55466	53280	26800	30200	23400	11500	37096	33365	26073
Jones	9900	9300	6500	6100	11424	9268	13830	6900	4800	4700	3500	5896	6701	7935
Keokuk	3000	.	500	.	.	713	.	1100	.	200	.	.	285	.
Kossuth	16400	18800	12300	9600	23093	17538	21765	6100	5800	2800	5200	7124	3992	11790
Lee	113400	86700	84900	69800	106499	121055	158252	60100	42300	43600	30200	51960	62167	68470
Linn	350600	289300	262300	220800	355364	374000	500602	460900	380500	298800	183700	467390	426044	416488
Louisa	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	3200	3500	2200	1900	4299	3137	4308	1100	1800	1000	800	2211	1426	1814
Lyon	4300	2700	2200	1500	3317	3137	3401	2300	1100	1200	800	1351	1711	1814
Madison	2500	700	200	200	860	285	453	1000	300	300	300	369	428	680
Mahaska	12600	9600	9200	7400	11792	13118	16777	10500	7000	5400	5800	8599	7700	13150
Marion	105300	86600	44500	32000	106376	63450	72551	39800	25100	18400	10200	30832	26236	23126
Marshall	89800	68000	68200	58600	83528	97243	132859	64200	63200	68900	50900	77632	98241	115401
Mills	700	.	.	.	.	.	.	500	.	.	.	.	.	.
Mitchell	.	.	2700	1300	.	3850	2947	.	.	1600	800	.	2281	1814

Table 4. Wages of Production Workers (unadjusted and adjusted in 1992 \$1,000s) and Payroll for Other Workers (unadjusted and adjusted in 1992 \$1,000s) in Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Wages of Production Workers (in \$1,000s)				Adjusted Wages of Production Workers (in 1992 \$1,000s)			Payroll for Other Workers (in \$1,000s)				Adjusted Payroll for Other Workers (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Monona	1400	1000	1000	200	1228	1426	453	1600	1000	600	100	1228	856	227
Monroe	.	2300	7300	.	2825	10409	.	.	600	1800	.	737	2567	.
Montgomery	20700	15600	13800	8900	19162	19677	20178	8300	6000	5300	3200	7370	7557	7255
Muscatine	161600	137000	107300	62300	168285	152994	141248	126500	80900	65600	41200	99374	93536	93409
O'Brien	4800	4600	4500	4300	5650	6416	9749	3200	2300	2000	2100	2825	2852	4761
Osceola	.	4700	3500	.	5773	4990	.	.	1200	1000	.	1474	1426	.
Page	29000	23300	14900	11100	28621	21103	25166	10800	8400	7900	5000	10318	11264	11336
Palo Alto	2300	.	1800	1200	.	2567	2721	1600	.	1000	1000	.	1426	2267
Plymouth	.	.	.	5300	.	.	12016	.	.	.	2400	.	.	5441
Pocahontas	6300	4800	2300	2300	5896	3279	5215	5500	4400	2300	2000	5405	3279	4534
Polk	385600	.	254200	218800	.	362451	496067	361800	.	218100	162900	.	310978	369330
Pottawattamie	51700	.	37000	.	.	52756	.	23500	.	16800	.	.	23954	.
Poweshiek	26300	19200	16300	11600	23584	23241	26300	17500	13400	6100	4500	16460	8698	10202
Ringgold	1500	700	1200	300	860	1711	680	600	400	300	200	491	428	453
Sac	3300	2200	3900	4500	2702	5561	10202	1400	1000	2400	2200	1228	3422	4988
Scott	266600	274900	243100	198500	337676	346624	450043	174800	146700	156200	93100	180200	222718	211078
Shelby	3400	.	1900	.	.	2709	.	2800	.	1500	.	.	2139	.
Sioux	58200	32300	22700	13900	39676	32367	31514	28800	15900	9800	5600	19531	13973	12696
Story	34400	32500	29900	24700	39922	42633	56000	32400	20100	21200	17300	24690	30228	39223
Tama	12800	.	.	4200	.	.	9522	2400	.	.	1900	.	.	4308
Taylor	4200	2100	2200	1600	2580	3137	3628	1000	800	1000	900	983	1426	2040
Union	12300	8400	13700	2700	10318	19534	6121	7400	7000	6100	2200	8599	8698	4988
Van Buren	5600	4500	2800	1300	5528	3992	2947	1700	1400	1100	500	1720	1568	1134
Wapello	69900	44400	.	40800	54539	.	92502	26800	25100	.	21100	30832	.	47838
Warren	5600	3400	2500	.	4176	3565	.	5900	3400	2400	.	4176	3422	.
Washington	18300	11700	11500	9500	14372	16397	21539	13800	6700	6300	6200	8230	8983	14057
Wayne	5500	3000	3400	2100	3685	4848	4761	3700	3700	2100	1000	4545	2994	2267
Webster	35500	30900	40300	39100	37956	57462	88648	63300	27500	20700	14000	33780	29515	31741
Winnebago	43800	.	.	.	.	.	.	33300	.	.	.	.	.	.
Winneshiek	16300	12300	6600	4300	15109	9411	9749	6600	4800	3200	1500	5896	4563	3401
Woodbury	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Worth	5900	3800	1200	900	4668	1711	2040	2400	1300	700	600	1597	998	1360
Wright	20800	15300	7400	4400	18794	10551	9976	9400	7600	5600	4100	9336	7985	9296
State of Iowa	3846700	3043400	2653600	2191300	3738385	3783633	4968154	2610200	1927700	1756800	1191200	2367906	2504931	2700710

Table 5. Average Pay Per Hour for Production Workers (unadjusted and adjusted in 1992 \$s) and Value Added (unadjusted and adjusted in 1992 \$1,000s) by Manufacturing Establishments in Iowa Counties, 1977-1992.

County	Average Pay Per Hour for Production Workers				Adjusted Average Pay Per Hour for Production Workers (in 1992 \$s)			Value Added (in \$1,000s)				Adjusted Value Added (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Adair	.	.	7.50	4.00	.	10.69	9.07	. ^a	.	5900	2500	.	8413	5668
Adams	.	.	5.50	.	.	7.84	.	.	.	3700	300	.	5276	680
Allamakee	9.00	7.21	5.55	4.00	8.86	7.91	9.07	46200	48200	22900	26400	59207	32652	59855
Appanoose	10.07	7.92	.	4.85	9.72	.	10.99	74300	53400	.	28600	65594	.	64842
Audubon	8.00	6.00	9.00	6.00	7.37	12.83	13.60	6700	2600	2300	1200	3194	3279	2721
Benton	12.20	8.30	8.25	5.50	10.20	11.76	12.47	14900	28000	10700	12000	34394	15257	27207
Black Hawk	16.42	15.13	14.30	8.20	18.59	20.39	18.59	1252100	745100	1399900	929200	915250	1996046	2106699
Boone	9.75	7.83	6.45	5.33	9.62	9.20	12.09	43100	28400	32700	21700	34885	46625	49199
Bremer	12.43	11.65	9.56	6.30	14.31	13.63	14.28	234600	112400	101800	72500	138067	145151	164373
Buchanan	8.87	7.30	8.50	5.25	8.97	12.12	11.90	44400	45100	22200	12500	55399	31654	28340
Buena Vista	.	.	9.18	6.28	.	13.08	14.23	.	.	44400	26800	.	63308	60761
Butler	11.25	7.00	5.50	5.25	8.60	7.84	11.90	15800	6800	3400	8400	8353	4848	19045
Calhoun	10.50	6.00	4.67	3.75	7.37	6.65	8.50	7500	7600	4500	4400	9336	6416	9976
Carroll	10.80	10.71	8.69	5.29	13.16	12.39	11.98	126800	64500	36200	22500	79229	51616	51012
Cass	10.08	9.25	6.80	5.14	11.36	9.70	11.66	36500	41600	18600	20200	51100	26521	45798
Cedar	9.60	7.89	6.67	5.00	9.69	9.51	11.34	35300	27200	13200	15300	33411	18821	34688
Cerro Gordo	10.27	9.71	7.88	5.71	11.93	11.23	12.95	211800	232700	92700	79900	285839	132176	181151
Cherokee	.	10.42	10.07	.	12.80	14.35	.	.	18300	47000	.	22479	67015	.
Chickasaw	8.59	9.80	8.20	5.53	12.04	11.69	12.54	113200	92300	65200	44300	113377	92965	100438
Clarke	10.40	.	8.78	4.43	.	12.52	10.04	168600	.	20100	13500	.	28660	30607
Clay	10.24	9.07	8.17	5.66	11.14	11.64	12.82	71400	58000	53800	38000	71245	76711	86154
Clayton	7.50	6.21	6.20	4.21	7.63	8.84	9.55	65700	49900	18700	17300	61295	26663	39223
Clinton	12.59	11.03	9.94	6.45	13.55	14.18	14.63	757700	513000	320200	363100	630148	456557	823227
Crawford	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dallas	8.94	.	12.16	7.14	.	17.34	16.19	82600	.	49400	25500	.	70437	57814
Davis	9.00	8.67	5.67	4.33	10.65	8.08	9.82	19400	11500	6200	3100	14126	8840	7028
Decatur	7.33	6.43	5.20	4.00	7.90	7.41	9.07	7300	7500	6700	7500	9213	9553	17004
Delaware	11.23	10.75	7.78	4.64	13.20	11.09	10.51	85800	52500	20300	26400	64489	28945	59855
Des Moines	13.28	12.70	9.99	6.49	15.61	14.24	14.71	511000	615500	449500	319600	756054	640919	724603
Dickinson	8.88	10.17	6.73	5.64	12.49	9.60	12.79	107400	58900	40500	29900	72350	57747	67790
Dubuque	12.69	12.34	12.24	8.58	15.16	17.46	19.46	973100	775100	632200	577100	952100	901422	1308411
Emmet	7.89	6.00	.	.	7.37	.	.	35700	12800	.	.	15723	.	.
Fayette	11.06	9.42	7.45	4.71	11.57	10.63	10.69	94300	49900	37600	29200	61295	53612	66203

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 5. Average Pay Per Hour for Production Workers (unadjusted and adjusted in 1992 \$s) and Value Added (unadjusted and adjusted in 1992 \$1,000s) by Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Average Pay Per Hour for Production Workers				Adjusted Average Pay Per Hour for Production Workers (in 1992 \$s)			Value Added (in \$1,000s)				Adjusted Value Added (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Floyd	9.14	8.24	.	.	10.12	.	.	101900	50500	.	.	62032	.	.
Franklin	11.00	.	8.08	6.29	.	11.53	14.25	23500	.	28800	19200	.	41064	43531
Fremont	.	.	.	.	.	.	.	.	.	600	600	.	856	1360
Greene	8.86	8.50	7.83	4.89	10.44	11.17	11.08	23500	20500	13400	13000	25181	19106	29474
Grundy	9.67	.	7.60	4.44	.	10.84	10.08	23700	.	15400	12200	.	21958	27660
Guthrie	.	5.80	5.00	3.50	7.12	7.13	7.94	.	7300	2100	800	8967	2994	1814
Hamilton	9.49	8.56	7.00	4.47	10.52	9.98	10.14	90800	32500	42300	25500	39922	60313	57814
Hancock	11.20	8.38	8.11	4.71	10.30	11.57	10.69	45000	24000	17300	10500	29481	24667	23806
Hardin	8.13	7.61	8.29	4.35	9.35	11.83	9.87	73200	59800	37000	31800	73456	52756	72098
Harrison	7.50	7.50	5.50	6.00	9.21	7.84	13.60	6400	5800	3800	2000	7124	5418	4534
Henry	9.61	9.00	7.40	4.56	11.06	10.55	10.34	366300	165200	71500	63100	202925	101948	143061
Howard	9.90	10.83	10.00	5.00	13.31	14.26	11.34	45000	28500	23900	23000	35008	34078	52146
Humboldt	8.60	7.88	7.80	4.86	9.67	11.12	11.01	26900	20100	11800	9800	24690	16825	22219
Ida	10.17	7.55	6.50	4.60	9.27	9.27	10.43	30500	47100	17100	8900	57856	24382	20178
Iowa	12.83	.	.	.	.	.	.	293700	.	.	.	.	.	.
Jackson	7.39	6.79	6.22	4.38	8.34	8.87	9.92	51000	33200	18300	17000	40781	26093	38543
Jasper	.	.	11.31	7.21	.	16.12	16.35	.	.	254700	209600	.	363164	475209
Jefferson	12.94	9.25	8.24	5.50	11.36	11.75	12.47	132000	64100	51500	44700	78738	73431	101345
Johnson	13.91	11.80	10.24	5.60	14.50	14.60	12.69	1033700	614100	451000	273900	754335	643058	620991
Jones	11.00	8.45	7.22	4.69	10.39	10.30	10.64	54400	57500	31900	28900	70631	45485	65523
Keokuk	10.00	.	5.00	.	.	7.13	.	10900	.	1300	.	.	1854	.
Kossuth	12.62	10.44	9.46	5.65	12.83	13.49	12.80	52900	51500	51000	45600	63260	72718	103385
Lee	12.33	12.21	9.99	6.02	15.00	14.24	13.64	634700	427400	296400	320500	525000	422622	726643
Linn	14.61	12.58	10.53	6.75	15.45	15.02	15.31	2777100	2110700	1582500	933200	2592696	2256406	2115767
Louisa	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	8.00	8.75	5.50	4.75	10.75	7.84	10.77	6400	9300	6800	4600	11424	9696	10429
Lyon	8.60	6.75	7.33	5.00	8.29	10.46	11.34	11300	7300	8600	4900	8967	12262	11109
Madison	8.33	7.00	2.00	.	8.60	2.85	.	5500	2000	1200	1000	2457	1711	2267
Mahaska	9.00	8.00	7.08	4.93	9.83	10.09	11.18	58900	56100	32700	27800	68911	46625	63029
Marion	13.16	12.03	9.67	6.40	14.77	13.79	14.51	336400	350400	186300	94800	430417	265636	214932
Marshall	13.61	12.83	11.76	7.61	15.76	16.77	17.25	457900	235500	321400	220300	289278	458268	499468
Mills	7.00	.	.	.	.	.	.	2400	.	.	.	.	.	.
Mitchell	.	.	6.75	3.25	.	9.62	7.37	.	.	13400	5900	.	19106	13377

Table 5. Average Pay Per Hour for Production Workers (unadjusted and adjusted in 1992 \$s) and Value Added (unadjusted and adjusted in 1992 \$1,000s) by Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Average Pay Per Hour for Production Workers				Adjusted Average Pay Per Hour for Production Workers (in 1992 \$s)			Value Added (in \$1,000s)				Adjusted Value Added (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Monona	7.00	10.00	5.00	.	12.28	7.13	.	8000	5100	2100	700	6265	2994	1587
Monroe	.	7.67	7.30	.	9.42	10.41	.	.	6800	13300	.	8353	18964	.
Montgomery	10.89	8.67	9.20	5.24	10.65	13.12	11.87	84300	60200	53300	41700	73947	75998	94543
Muscatine	13.47	11.51	9.75	5.77	14.14	13.91	13.08	1181800	682200	748800	480800	837986	1067676	1090078
O'Brien	8.00	6.57	7.50	5.38	8.07	10.69	12.19	41400	27100	24600	14500	33289	35076	32875
Osceola	.	7.83	5.83	.	9.62	8.32	.	.	45200	39100	.	55522	55751	.
Page	12.08	10.59	9.87	5.29	13.01	14.07	11.98	162000	157400	69600	63300	193344	99239	143515
Palo Alto	7.67	.	9.00	6.00	.	12.83	13.60	9900	.	5900	4100	.	8413	9296
Plymouth	.	.	.	5.30	.	.	12.02	.	.	.	17900	.	.	40583
Pocahontas	7.88	8.00	7.67	4.60	9.83	10.93	10.43	24200	17800	7200	6900	21865	10266	15644
Polk	12.98	.	10.73	7.10	.	15.29	16.11	1827400	.	1141400	876900	.	1627464	1988123
Pottawattamie	9.23	.	6.85	.	.	9.77	.	214400	.	122400	.	.	174524	.
Poweshiek	10.52	8.73	7.41	5.04	10.72	10.56	11.43	101600	74800	61300	42200	91881	87405	95677
Ringgold	7.50	7.00	4.00	3.00	8.60	5.70	6.80	5400	2200	3100	700	2702	4420	1587
Sac	8.25	7.33	7.80	5.63	9.01	11.12	12.75	15200	16200	14000	12500	19899	19962	28340
Scott	14.41	14.17	13.14	8.38	17.41	18.74	18.99	1198000	929800	918500	567600	1142127	1309642	1286873
Shelby	8.50	.	9.50	.	.	13.55	.	12600	.	7700	.	.	10979	.
Sioux	8.69	7.69	6.31	4.63	9.45	8.99	10.50	161600	98600	75000	54200	121116	106939	122883
Story	11.47	9.85	8.31	5.37	12.10	11.84	12.17	317800	203500	196400	119000	249971	280037	269799
Tama	10.67	.	.	5.25	.	.	11.90	44400	.	.	14500	.	.	32875
Taylor	5.25	7.00	5.50	4.00	8.60	7.84	9.07	19000	5000	5500	4500	6142	7842	10202
Union	9.46	9.33	7.61	5.40	11.46	10.85	12.24	44000	26300	40100	8500	32306	57177	19271
Van Buren	9.33	7.50	5.60	3.25	9.21	7.98	7.37	15600	11200	8300	3800	13758	11835	8615
Wapello	13.19	14.80	.	8.50	18.18	.	19.27	272100	306200	.	133600	376123	.	302900
Warren	11.20	8.50	8.33	.	10.44	11.88	.	26500	23200	19200	.	28498	27376	.
Washington	9.63	9.75	7.67	4.75	11.98	10.93	10.77	81000	46100	47600	32100	56627	67870	72778
Wayne	6.88	6.00	6.80	4.20	7.37	9.70	9.52	26400	28300	15200	8400	34763	21673	19045
Webster	11.83	9.36	9.60	6.63	11.50	13.68	15.03	345600	221700	214500	150300	272327	305845	340763
Winnebago	8.94	.	.	.	.	.	.	174700	.	.	.	.	.	.
Winneshiek	10.19	9.46	6.00	4.30	11.62	8.56	9.75	51100	40100	21900	14600	49257	31226	33101
Woodbury	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Worth	9.83	6.33	6.00	3.00	7.78	8.56	6.80	18200	13600	2500	2700	16706	3565	6121
Wright	10.40	10.93	6.73	4.89	13.42	9.59	11.08	86400	42300	58500	32200	51960	83412	73004
State of Iowa	12.03	10.97	10.21	6.61	13.47	14.55	14.98	20384700	14469000	12091800	8684400	17773115	17241080	19689425

Table 6. Average Annual Wage for Production Workers (unadjusted and adjusted in 1992 \$s) and Average Annual Salary for Other Workers (unadjusted and adjusted in 1992 \$s) in Manufacturing Establishments in Iowa Counties, 1977-1992.

County	Average Annual Wage for Production Workers				Adjusted Annual Wage for Production Workers (in 1992 \$s)			Average Annual Salary for Other Workers				Adjusted Annual Salary for Other Workers (in 1992 \$s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Adair	. ^a	.	15000	8000	.	21388	18138	.	.	.	.	.	.	.
Adams	.	.	11000	.	.	15684	.	.	.	.	.	.	.	.
Allamakee	14727	15222	10167	7556	18698	14496	17130	13500	12000	12000	20000	14740	17110	45344
Appanoose	20143	15833	.	10500	19449	.	23806	31500	48000	.	7000	58961	.	15871
Audubon	24000	6000	9000	6000	7370	12833	13603	17000	.	.	.	.	.	.
Benton	20333	16600	16500	11000	20391	23527	24939	16000	35000	20000	12500	42993	28517	28340
Black Hawk	32846	28792	25605	15813	35366	36509	35851	43892	38471	30069	19000	47256	42874	43077
Boone	19500	15667	14200	10667	19244	20247	24184	28667	24000	16500	17000	29481	23527	38543
Bremer	24857	25889	17000	12600	31801	24239	28567	35750	28000	29000	19000	34394	41350	43077
Buchanan	22167	14600	12750	10500	17934	18180	23806	27667	30000	11500	11000	36851	16397	24939
Buena Vista	.	.	19500	11300	.	27804	25620	.	.	17000	16500	.	24239	37409
Butler	22500	10500	11000	10500	12898	15684	23806	19000	.	.	13000	.	.	29474
Calhoun	21000	12000	14000	7500	14740	19962	17004	18000	.	10000	.	.	14258	.
Carroll	21600	18750	16143	10571	23032	23017	23968	37000	46000	32000	19667	56504	45627	44589
Cass	20167	15857	11333	9000	19478	16160	20405	18750	23000	17000	13000	28252	24239	29474
Cedar	16000	14200	13333	8750	17443	19011	19838	57000	31000	12000	19000	38079	17110	43077
Cerro Gordo	20542	17739	15750	11421	21790	22457	25894	32556	26444	20429	16167	32483	29128	36653
Cherokee	.	20833	21571	.	25591	30758	.	.	37000	14333	.	45449	20437	.
Chickasaw	19154	17818	15375	10444	21887	21922	23680	43000	30000	22500	18000	36851	32082	40810
Clarke	15600	.	15800	7750	.	22528	17571	22500	.	16000	11000	.	22814	24939
Clay	19333	17000	14700	11714	20882	20960	26559	28500	25500	31500	17500	31323	44914	39676
Clayton	15000	13111	10333	7375	16105	14734	16721	34500	14667	25000	20000	18016	35646	45344
Clinton	26098	23484	20116	12667	28847	28683	28718	35667	31556	24063	16882	38762	34309	38276
Crawford	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dallas	19000	.	23100	12500	.	32937	28340	40333	.	31500	22000	.	44914	49879
Davis	22500	13000	8500	13000	15969	12120	29474	20000	.	.	4000	.	.	9069
Decatur	11000	15000	13000	6667	18425	18536	15115	21000	13000	6000	.	15969	8555	.
Delaware	24333	21500	14000	10200	26410	19962	23126	26000	25000	29000	11000	30709	41350	24939
Des Moines	25978	24900	18386	12618	30586	26216	28608	39625	28750	26895	16800	35315	38348	38089
Dickinson	19250	17429	14429	7182	21409	20573	16283	34600	21200	20667	22000	26041	29468	49879
Dubuque	25388	24084	21838	17482	29584	31137	39635	39071	30385	26044	18791	37323	37135	42603
Emmet	17750	10000	.	.	12284	.	.	23000	.	.	.	.	.	.
Fayette	20889	18833	13667	9429	23134	19487	21377	52000	20500	14500	18500	25181	20675	41944

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 6. Average Annual Wage for Production Workers (unadjusted and adjusted in 1992 \$s) and Average Annual Salary for Other Workers (unadjusted and adjusted in 1992 \$s) in Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Average Annual Wage for Production Workers				Adjusted Annual Wage for Production Workers (in 1992 \$s)			Average Annual Salary for Other Workers				Adjusted Annual Salary for Other Workers (in 1992 \$s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Floyd	20100	15556	.	.	19108	.	.	30571	30750	.	.	37772	.	.
Franklin	19250	.	13857	12571	.	19758	28502	32000	.	20333	15000	.	28992	34008
Fremont	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Greene	20667	17000	15667	11000	20882	22338	24939	31000	24000	20000	11500	29481	28517	26073
Grundy	19333	.	12667	10000	.	18061	22672	34000	.	22000	12500	.	31369	28340
Guthrie	.	7250	.	7000	8906	.	15871	.	.	.	.	.	.	.
Hamilton	19529	16118	12091	8444	19798	17240	19145	30200	23833	16200	11667	29276	23099	26451
Hancock	21000	15571	14600	11000	19127	20817	24939	23333	29000	18500	18000	35622	26378	40810
Hardin	17727	15222	15667	8222	18698	22338	18642	31333	21000	16333	15500	25796	23289	35142
Harrison	15000	15000	11000	6000	18425	15684	13603	.	.	.	.	.	.	.
Henry	20353	18000	13875	9500	22110	19784	21539	36667	27000	27500	11667	33166	39211	26451
Howard	19800	21667	20000	8333	26614	28517	18893	21500	22000	15000	.	27024	21388	.
Humboldt	17200	15750	13000	11333	19347	18536	25695	47000	33000	18000	15000	40536	25665	34008
Ida	24400	20750	13000	11500	25488	18536	26073	30667	25333	30000	11000	31118	42775	24939
Iowa	24750	.	.	.	.	.	.	35385	.	.	.	.	.	.
Jackson	13300	13571	14000	8750	16671	19962	19838	29000	34000	11500	10000	41764	16397	22672
Jasper	.	.	20045	13393	.	28582	30365	.	.	20440	16500	.	29144	37409
Jefferson	25063	18500	14417	10214	22725	20556	23158	42000	22500	22600	17000	27638	32224	38543
Johnson	25040	21720	17682	11190	26680	25212	25371	33500	25167	21273	19167	30914	30332	43455
Jones	19800	18600	13000	8714	22847	18536	19757	34500	24000	23500	17500	29481	33507	39676
Keokuk	15000	.	.	.	.	.	.	.	.	.	.	.	.	.
Kossuth	23429	20889	17571	10667	25659	25054	24184	30500	29000	14000	26000	35622	19962	58948
Lee	25200	24083	18457	12034	29583	26316	27285	37563	30214	21800	16778	37114	31084	38039
Linn	29462	25377	19575	13222	31172	27910	29976	42676	31708	24900	16114	38949	35504	36534
Louisa	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	16000	17500	11000	9500	21496	15684	21539	11000	18000	10000	8000	22110	14258	18138
Lyon	21500	13500	11000	15000	16583	15684	34008	23000	.	.	8000	.	.	18138
Madison	12500	.	.	.	.	.	.	.	.	.	.	.	.	.
Mahaska	18000	16000	13143	9250	19654	18740	20972	52500	35000	18000	11600	42993	25665	26300
Marion	26325	24743	16481	12308	30393	23500	27904	36182	27889	23000	20400	34258	32795	46251
Marshall	28968	25185	20667	14293	30936	29468	32405	37765	35111	25519	17552	43129	36386	39794
Mills	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mitchell	.	.	13500	6500	.	19249	14737	.	.	16000	.	.	22814	.

Table 6. Average Annual Wage for Production Workers (unadjusted and adjusted in 1992 \$s) and Average Annual Salary for Other Workers (unadjusted and adjusted in 1992 \$s) in Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Average Annual Wage for Production Workers				Adjusted Annual Wage for Production Workers (in 1992 \$s)			Average Annual Salary for Other Workers				Adjusted Annual Salary for Other Workers (in 1992 \$s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Monona	14000	10000	10000	.	12284	14258	.	16000	.	.	.	.	.	.
Monroe	.	11500	14600	.	14126	20817	.	.	.	18000	.	.	25665	.
Montgomery	20700	15600	15333	11125	19162	21863	25223	41500	30000	26500	10667	36851	37785	24184
Muscatine	28351	23220	18825	11125	28523	26841	25223	46852	33708	29818	17913	41406	42516	40613
O'Brien	16000	15333	15000	10750	18835	21388	24373	32000	11500	20000	10500	14126	28517	23806
Osceola	.	15667	11667	.	19244	16635	.	.	12000	.	.	14740	.	.
Page	26364	21182	16444	10091	26019	23447	22878	27000	28000	19750	16667	34394	28161	37787
Palo Alto	11500	.	18000	12000	.	25665	27207	.	.	10000	10000	.	14258	22672
Plymouth	.	.	.	10600	.	.	24033	.	.	.	24000	.	.	54413
Pocahontas	15750	16000	11500	7667	19654	16397	17382	27500	22000	11500	20000	27024	16397	45344
Polk	27348	.	20175	13761	.	28766	31199	36918	.	23707	17707	.	33802	40145
Pottawattamie	18464	.	13214	.	.	18842	.	29375	.	24000	.	.	34220	.
Poweshiek	18786	16000	14818	9667	19654	21128	21916	43750	33500	20333	15000	41150	28992	34008
Ringgold	15000	7000	12000	3000	8599	17110	6802	6000	.	3000	.	.	4278	.
Sac	16500	11000	19500	9000	13512	27804	20405	14000	.	12000	22000	.	17110	49879
Scott	30644	28937	23375	15754	35545	33329	35718	46000	36675	27404	19809	45050	39073	44910
Shelby	17000	.	19000	.	.	27091	.	28000	.	15000	.	.	21388	.
Sioux	17636	13458	10810	9267	16532	15413	21010	24000	22714	19600	18667	27901	27947	42321
Story	21500	19118	15737	10739	23483	22438	24348	36000	25125	21200	17300	30863	30228	39223
Tama	21333	.	.	10500	.	.	23806	24000	.	.	19000	.	.	43077
Taylor	10500	10500	11000	8000	12898	15684	18138	.	.	10000	9000	.	14258	20405
Union	17571	16800	15222	13500	20636	21705	30607	24667	35000	20333	11000	42993	28992	24939
Van Buren	18667	15000	9333	6500	18425	13308	14737	17000	14000	.	.	17197	.	.
Wapello	27960	29600	.	15692	36359	.	35578	38286	41833	.	19182	51386	.	43489
Warren	18667	17000	12500	.	20882	17823	.	29500	17000	24000	.	20882	34220	.
Washington	20333	19500	14375	9500	23953	20497	21539	27600	33500	31500	15500	41150	44914	35142
Wayne	13750	15000	11333	7000	18425	16160	15871	37000	18500	21000	10000	22725	29943	22672
Webster	23667	20600	20150	13964	25304	28731	31660	42200	22917	15923	15556	28150	22704	35268
Winnebago	15103	.	.	.	.	.	.	41625	.	.	.	.	.	.
Winneshiek	20375	13667	11000	8600	16788	15684	19498	33000	24000	32000	15000	29481	45627	34008
Woodbury	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Worth	14750	12667	12000	9000	15559	17110	20405	24000	.	7000	6000	.	9981	13603
Wright	20800	19125	12333	11000	23492	17585	24939	31333	25333	18667	10250	31118	26616	23239
State of Iowa	24408	21723	18900	12845	26684	26949	29122	37449	29208	24099	17090	35877	34361	38748

Table 7. Cost of Materials and New Capital Expenditures (unadjusted and adjusted in 1992 \$1,000s) in Manufacturing Establishments in Iowa Counties, 1977-1992.

County	Cost of Materials (in \$1,000s)				Adjusted Cost of Materials (in 1992 \$1,000s)			New Capital Expenditures (in \$1,000s)				Adjusted New Capital Expenditures (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Adair	^a	.	7900	4000	.	11264	9069	.	.	200	100	.	285	227
Adams	.	.	4500	800	.	6416	1814	.	.	200	.	.	285	.
Allamakee	117900	87100	42300	87400	106990	60313	198155	2500	1800	600	1300	2211	856	2947
Appanoose	42700	32100	.	24300	39430	.	55093	3400	.	.	.	.	.	.
Audubon	5600	4700	4800	1600	5773	6844	3628	200	100	.	200	123	.	453
Benton	17100	35900	13400	28500	44098	19106	64616	400	.	600	500	.	856	1134
Black Hawk	1535700	598600	1593300	952400	735295	2271805	2159298	89400	.	51100	.	.	72861	.
Boone	37900	28300	22700	19800	34763	32367	44891	1500	1600	2100	1700	1965	2994	3854
Bremer	138500	100600	99000	84200	123573	141159	190900	4900	.	3900	1000	.	5561	2267
Buchanan	149800	67300	59800	48100	82669	85266	109053	3600	1900	1800	.	2334	2567	.
Buena Vista	.	.	209100	168800	.	298145	382706	5900	.	1300	1100	.	1854	2494
Butler	15600	7200	4900	12700	8844	6987	28794	600	.	200	500	.	285	1134
Calhoun	5700	5600	3900	15600	6879	5561	35369	300	300	300	300	369	428	680
Carroll	195900	98800	107100	47900	121362	152708	108600	16800	2100	1200	1000	2580	1711	2267
Cass	51900	51900	34000	32600	63752	48479	73911	3700	.	1100	1400	.	1568	3174
Cedar	42800	47400	43500	29700	58224	62024	67336	1200	.	700	1300	.	998	2947
Cerro Gordo	344000	280400	208700	163500	344432	297575	370690	9400	9300	10900	19300	11424	15542	43757
Cherokee	.	102700	207900	.	126152	296434	.	.	.	1400	.	.	1996	.
Chickasaw	231100	186900	185400	126000	229580	264352	285669	4900	2500	2200	1500	3071	3137	3401
Clarke	78900	.	57300	16100	.	81701	36502	4100	.	1200	400	.	1711	907
Clay	66800	48200	342200	285100	59207	487926	646384	2900	6300	1600	3400	7739	2281	7709
Clayton	90000	104100	64500	41300	127872	91967	93636	2900	2300	2300	1100	2825	3279	2494
Clinton	819100	518400	715000	439700	636781	1019482	996896	54100	29700	56200	23200	36482	80133	52599
Crawford	.	.	.	.	.	.	.	4600	.	.	.	.	.	.
Dallas	235700	.	216200	120600	.	308269	273426	3400	.	2000	3200	.	2852	7255
Davis	15200	14400	6000	2000	17688	8555	4534	.	400	1500	200	491	2139	453
Decatur	7400	7200	6600	17900	8844	9411	40583	100	.	100	100	.	143	227
Delaware	115000	97100	75400	46700	119274	107509	105879	3400	4100	2200	1000	5036	3137	2267
Des Moines	557700	501700	336000	234000	616267	479085	530529	20200	26700	29200	11200	32797	41635	25393
Dickinson	72400	57900	35400	19000	71122	50475	43077	.	.	900	900	.	1283	2040
Dubuque	1196200	1127500	876400	909500	1384974	1249614	2062034	59500	38200	23000	32100	46923	32795	72778
Emmet	62100	31000	.	.	38079	.	.	1600	500	.	.	614	.	.
Fayette	99800	47200	91300	57500	57979	130180	130365	2300	2100	3700	2400	2580	5276	5441

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect the confidentiality of manufacturing firms.

Table 7. Cost of Materials and New Capital Expenditures (unadjusted and adjusted in 1992 \$1,000s) in Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Cost of Materials (in \$1,000s)				Adjusted Cost of Materials (in 1992 \$1,000s)			New Capital Expenditures (in \$1,000s)				Adjusted New Capital Expenditures (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Floyd	89800	67000	.	.	82300	.	.	10300	.	.	.	.	.	.
Franklin	12700	.	37000	29500	.	52756	66883	1500	.	1600	3900	.	2281	8842
Fremont	.	.	1000	700	.	1426	1587	.	.	.	.	.	.	.
Greene	35500	28700	15000	12300	35254	21388	27887	700	.	600	900	.	856	2040
Grundy	17400	.	23000	22500	.	32795	51012	1100	.	700	600	.	998	1360
Guthrie	.	11600	1300	700	14249	1854	1587	100	100	100	100	123	143	227
Hamilton	201000	221900	96800	54000	272573	138022	122430	13900	14600	4700	2300	17934	6701	5215
Hancock	111900	44000	83800	11100	54048	119486	25166	1700	2000	1200	800	2457	1711	1814
Hardin	181500	215000	234600	141400	264097	334504	320585	4900	1600	4500	3300	1965	6416	7482
Harrison	4600	4300	2700	1900	5282	3850	4308	300	200	200	200	246	285	453
Henry	203300	123600	49200	46500	151825	70152	105426	7400	10800	1800	1900	13266	2567	4308
Howard	57700	44200	71200	40400	54293	101520	91596	2500	900	500	500	1106	713	1134
Humboldt	23000	19200	11300	12400	23584	16112	28113	700	1000	600	500	1228	856	1134
Ida	70300	55900	25900	17500	68665	36929	39676	2500	3300	700	200	4054	998	453
Iowa	437200	.	.	.	.	.	.	.	.	.	.	.	.	.
Jackson	99200	68600	64600	50900	84265	92110	115401	2400	1000	500	900	1228	713	2040
Jasper	.	.	186400	151900	.	265778	344390	8700	.	8100	.	.	11549	.
Jefferson	82000	52100	50200	41500	63997	71578	94090	5900	3400	1600	1800	4176	2281	4081
Johnson	458100	370000	309100	191700	454493	440730	434626	43600	21600	17100	5800	26533	24382	13150
Jones	51700	49800	37300	38100	61172	53184	86381	2300	2400	1800	1500	2948	2567	3401
Keokuk	30100	.	1800	.	.	2567	.	500	.	100	.	.	143	.
Kossuth	80400	85300	58900	55300	104779	83983	125377	5600	2900	2100	1300	3562	2994	2947
Lee	786900	547000	543600	461600	671912	775091	1046548	33300	14700	28700	55500	18057	40922	125831
Linn	1943800	1741300	1757500	1456000	2138940	2505929	3301069	138900	117100	80000	62600	143841	114068	141928
Louisa	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucas	10800	7000	4800	5100	8599	6844	11563	.	300	100	.	369	143	.
Lyon	13000	6200	4800	4000	7616	6844	9069	600	300	200	100	369	285	227
Madison	6000	1700	1100	1200	2088	1568	2721	200	100	.	100	123	.	227
Mahaska	68400	29600	43000	46300	36359	61312	104972	4000	2900	2600	1000	3562	3707	2267
Marion	407400	302100	202100	118000	371087	288164	267532	17200	16600	17000	12900	20391	24239	29247
Marshall	612500	422100	356400	216200	518490	508173	490172	18900	11600	12100	8700	14249	17253	19725
Mills	2000	.	.	.	.	.	.	.	.	.	.	.	.	.
Mitchell	.	.	17400	6000	.	24810	13603	4100	.	1100	500	.	1568	1134

Table 7. Cost of Materials and New Capital Expenditures (unadjusted and adjusted in 1992 \$1,000s) in Manufacturing Establishments in Iowa Counties, 1977-1992 (continued).

County	Cost of Materials (in \$1,000s)				Adjusted Cost of Materials (in 1992 \$1,000s)			New Capital Expenditures (in \$1,000s)				Adjusted New Capital Expenditures (in 1992 \$1,000s)		
	1992	1987	1982	1977	1987	1982	1977	1992	1987	1982	1977	1987	1982	1977
Monona	5500	3900	1600	800	4791	2281	1814	100	.	100	100	.	143	227
Monroe	.	2300	15000	.	2825	21388	.	.	100	.	.	123	.	.
Montgomery	91800	58000	34000	24900	71245	48479	56454	3400	2500	900	2200	3071	1283	4988
Muscatine	924100	928900	787000	485600	1141022	1122143	1100961	92400	29700	28300	33800	36482	40352	76632
O'Brien	138700	108400	112100	131000	133154	159838	297006	1100	1100	1300	1100	1351	1854	2494
Osceola	.	71800	75200	.	88196	107224	.	500	.	600	.	.	856	.
Page	105600	83000	58000	47700	101954	82699	108146	6500	5300	6600	1000	6510	9411	2267
Palo Alto	9700	.	6100	6200	.	8698	14057	500	.	400	500	.	570	1134
Plymouth	.	.	.	112200	.	.	254382	.	.	.	700	.	.	1587
Pocahontas	58500	36200	9800	7100	44467	13973	16097	600	400	1000	400	491	1426	907
Polk	2861600	.	1885800	1439800	.	2688866	3264340	78400	.	63400	53900	.	90399	122203
Pottawattamie	413400	.	601800	.	.	858076	.	12000	.	6000	.	.	8555	.
Poweshiek	94700	73800	60100	48800	90653	85694	110640	8000	4800	2200	2700	5896	3137	6121
Ringgold	5100	1800	2100	700	2211	2994	1587	100	.	.	.	.	.	.
Sac	21800	13000	28200	21200	15969	40209	48065	2100	300	1200	500	369	1711	1134
Scott	1745900	1892500	1395100	1094400	2324668	1989202	2481243	100300	106800	78100	92500	131189	111359	209718
Shelby	40800	.	9800	.	.	13973	.	2200	.	200	.	.	285	.
Sioux	516600	353000	198000	165300	433610	282318	374771	14700	8700	3900	2900	10687	5561	6575
Story	291800	211400	159300	153900	259675	227138	348925	8500	7800	6000	7800	9581	8555	17684
Tama	154800	.	.	71700	.	.	162560	2900	.	.	2000	.	.	4534
Taylor	39300	5200	7700	6400	6387	10979	14510	1200	200	200	100	246	285	227
Union	41700	27100	40800	10400	33289	58175	23579	4400	1300	2100	.	1597	2994	.
Van Buren	10500	9500	8700	2600	11669	12405	5895	1100	.	500	200	.	713	453
Wapello	510200	335500	.	234900	412114	.	532569	12400	.	.	6800	.	.	15417
Warren	54500	22100	23000	.	27147	32795	.	3100	1100	800	.	1351	1141	.
Washington	113400	57700	83100	74400	70876	118488	168681	6600	1000	3700	3400	1228	5276	7709
Wayne	47900	31600	10700	8000	38816	15257	18138	200	2100	400	700	2580	570	1587
Webster	309000	181400	554200	442800	222824	790205	1003924	19700	10200	7900	6900	12529	11264	15644
Winnebago	270900	.	.	.	.	.	.	6400	.	.	.	.	.	.
Winneshiek	90000	89300	64800	23000	109692	92395	52146	2900	2100	900	1400	2580	1283	3174
Woodbury	.	.	.	.	.	.	.	33400	.	.	.	.	.	.
Worth	14200	9800	3900	4000	12038	5561	9069	800	.	200	300	.	285	680
Wright	266300	206000	168900	198900	253042	240826	450950	3300	2400	.	5500	2948	.	12470
State of Iowa	25862700	21003800	19382300	14943600	25800190	27636232	33880393	1180900	834200	689600	677800	1024696	983265	1536720

Employees and Payroll

Manufacturing employees numbered 227,300 in Iowa in 1992, 21,200 more than in 1987 (Table 2). Although still lower than the number in 1977, this was the first increase since that census. Forty of the 85 counties for which data are reported had fewer than 1,000 persons employed in manufacturing. Another five (Black Hawk, Dubuque, Linn, Polk, Scott) each had more than 10,000, with Linn and Polk above 20,000. Of the 72 counties for which employee data were reported in both 1987 and 1992, 51 had more workers in manufacturing in 1992, nine were the same both years, while 12 declined from their 1987 figures.

Iowa's manufacturing payroll in 1992 was \$6.5 billion, an increase of nearly \$1.5 billion during the five years since 1987 (Table 2). Counties with larger numbers of manufacturing employees had larger payrolls. Linn, at more than \$811 million, was highest, Polk reported \$747 million, and Black Hawk and Scott were around \$450 million. Among the counties with significantly fewer employees in manufacturing, 24 had payrolls under \$10 million.

After adjusting for inflation, the statewide payroll showed an increase of \$351 million between 1987 and 1992, the first real gain since 1977. Even though the 1992 figure represented an increase, it was still 16 percent lower than the adjusted figure for 1977.

The average pay per manufacturing employee in Iowa in 1992 was \$28,400, but this varied widely among the 85 counties for which data were reported (Table 2). Persons in these jobs in Allamakee, Decatur, Lucas, Mills, Ringgold, and Taylor averaged \$15,000 or less. In contrast, manufacturing work in eight counties (Black Hawk, Linn, Marshall, Muscatine, Polk, Scott, Wapello, Webster) averaged more than \$30,000 in pay per employee. These significant differences among the counties in average manufacturing pay per employee was a feature in all four census years and remained after adjusting for inflation.

Manufacturing pay per employee was higher statewide in 1992 compared with 1987 and in 58 of the 72 counties for which data were reported both years. When adjusted for inflation, however, the 1992 statewide figure was \$1,200 lower in purchasing power than that for 1987; indeed, the 1992 average was the lowest at any of the four censuses reported. With the adjusted figures, pay per employee declined in 49 counties between 1987 and 1992 as well.

Production Workers, Hours, and Payroll

Iowa had 1,414 establishments (36.1% of all manufacturers) that had at least 20 workers in 1992 (Table 3). Two counties (Adams, Guthrie) had only one manufacturing company of that size, six counties had two, and another 46 counted fewer than 10 plants with 20 or more employees. Polk (156) and Linn (95) had the most firms of this size while four others (Black Hawk, Dubuque, Scott, Woodbury) reported at least 50. Statewide, approximately 1 in 3 manufacturers had 20 or more employees at each census since 1977.

Of the 227,300 employees in all manufacturing establishments in Iowa in 1992, 157,600 (69.3%) were production workers who fabricated, processed, and handled the materials and products that were made at the plants (Table 3). The other 69,700 employees were in supervisory, executive, sales, clerical, delivery, professional, or other positions not directly involved in production. At each census since 1977, about 2 of every 3 manufacturing employees were production workers.

Workers in production increased by more than 17,000 (12.5%) between 1987 and 1992 after enduring a decrease of 30,000 between 1977 and 1982. Other employees increased by 3,700 (5.6%) between the two most recent censuses. Among the counties for these two census years, both production workers and other employees increased or remained the same in 60 counties. Although the number of nonproduction workers in 1992 was at a level similar to that in the late 1970s and early 1980s, there were 13,000 fewer production jobs in Iowa in 1992 than in 1977.

Iowa's production workers put in nearly 320 million hours in 1992, an increase of more than 42 million production hours from 1987 (Table 3). This meant that an Iowa production worker averaged 39.0 hours per week in 1992, compared with 38.1 hours in 1987, 35.6 during 1982, and 37.4 for 1977. Total production hours in Iowa in 1992 were 12 million less than the number reported in 1977.

Nearly \$3.85 billion (59.6%) of the 1992 manufacturing payroll in Iowa went to production workers, an increase of \$800 million (26.4%) from 1987 (Table 4). The payroll of workers not in production recorded a gain of 35.4 percent (+\$683 million) during the same five years. After adjusting for inflation, the increases in payroll between 1987 and 1992 are not as dramatic as with the unadjusted figures, but both types of payrolls did increase. Neither group, however, was at the payroll level of 1977.

Production workers in 1992 numbered 7.6 percent fewer than in 1977 and received total compensation 22.6 percent lower after inflation was taken into account. Nonproduction employees, while about the same in number in 1992 as in 1977, had a payroll 3.4 percent lower. The proportion of the manufacturing payroll that went to production workers was 64.8 percent in 1977 and 59.6 percent in 1992.

Iowa's production workers averaged \$12.00 per hour in 1992, with considerable variation among the 85 counties with data reported (Table 5). Workers in 66 counties averaged less pay per hour than the state level; two (Taylor, Wayne) were under \$7.00 and another 41 were below \$10.00. Of the 19 counties with hourly pay greater than the state figure, nine exceeded \$13.00, with Black Hawk higher than \$16.00. Production pay per hour, when adjusted for inflation, averaged nearly \$15.00 statewide in 1977.

While pay per employee in 1992 averaged \$28,400 when all employees were considered together (Table 2), there were important differences between production workers and other employees. Iowa's production workers' average pay was \$24,400 compared with a figure of \$37,450 for other employees in 1992 (Table 6). At each census, the pay per nonproduction employee was higher than that for production workers, but the difference in 1992 (53.4%) was larger than at any of the other three censuses (1987, 34.5%; 1982, 27.5%, 1977, 33.0%) reported.

County figures for pay per worker show this same relationship. Sixty-eight of the 79 counties for which both groups have data reported in 1992 had greater average pay for other employees than for those working directly in production. Each census since 1977 had this same pattern as well.

Inflation-adjusted figures for nonproduction employees indicate that, while statewide average pay decreased between 1977 and 1982, the trend was upward in both 1987 and 1992. In contrast, the adjusted figures for production workers declined at each census, so that in 1992 the purchasing power of the average worker's pay was 16.2 percent lower than it had been in 1977. The decline for other employees was 3.4 percent.

Cost of Materials, Capital Expenditures, and Value Added

Iowa's manufacturers paid nearly \$25.9 billion for materials and supplies in 1992, up from \$21.0 billion in 1987 (Table 7). Purchases by establishments in Polk County alone amounted to nearly \$2.9 billion. Four other counties' (Black Hawk, Dubuque, Linn, Scott) firms also bought more than \$1 billion in materials. Inflation-adjusted figures show that these costs were about the same in 1987 but below the \$33.9 billion adjusted figure spent in 1977.

New capital expenditures by Iowa's manufacturers rose between 1987 and 1992 from \$834 million to close to \$1.2 billion, an increase of \$347 million (Table 7). While establishments in seven counties (Black Hawk, Clinton, Dubuque, Linn, Muscatine, Polk, Scott) spent more than \$50 million, those in both Linn and Scott exceeded \$100 million.

The value added by manufacturing processes is derived by subtracting the costs of materials and supplies from the value of shipments sold. Other adjustments in the shipment and cost figures may be made depending on the characteristics of each industry. The value added to products by Iowa's manufacturing sector was nearly \$20.4 billion in 1992, a jump of \$5.9 billion since 1987 (Table 5). As with material costs and capital expenditures, a handful of counties (Black Hawk, Johnson, Linn, Muscatine, Polk, Scott) contributed a large share of Iowa's value added by manufacturing. Linn's portion (\$2.8 billion) was largest, followed by Polk (\$1.8 billion) and Black Hawk (\$1.3 billion).

Inflation-adjusted figures for value added indicate that the 1992 figure represented an increase over that for 1987 and both 1982 and 1977 as well. Although it was a small increase (+3.5%), the gain of

\$695 million in value added is one of the few aspects of Iowa's 1992 manufacturing economy that was higher than in 1977 after adjustments were made for inflation.

Note: Readers can review the original publication for further details (1992 CENSUS OF MANUFACTURES, U.S. Bureau of the Census, Geographic Area Series, Iowa MC92-A-16; only the year changes in the title of this publication from earlier censuses). Much additional information, including data on incorporated places with at least 2,500 residents, is included in those volumes. Those interested in data from the 1992 and earlier censuses of retail trade, wholesale trade, and service industries can review the 1995 edition of IOWA'S COUNTIES.

Figure 1. Number of manufacturing establishments in Iowa, 1977-1992.

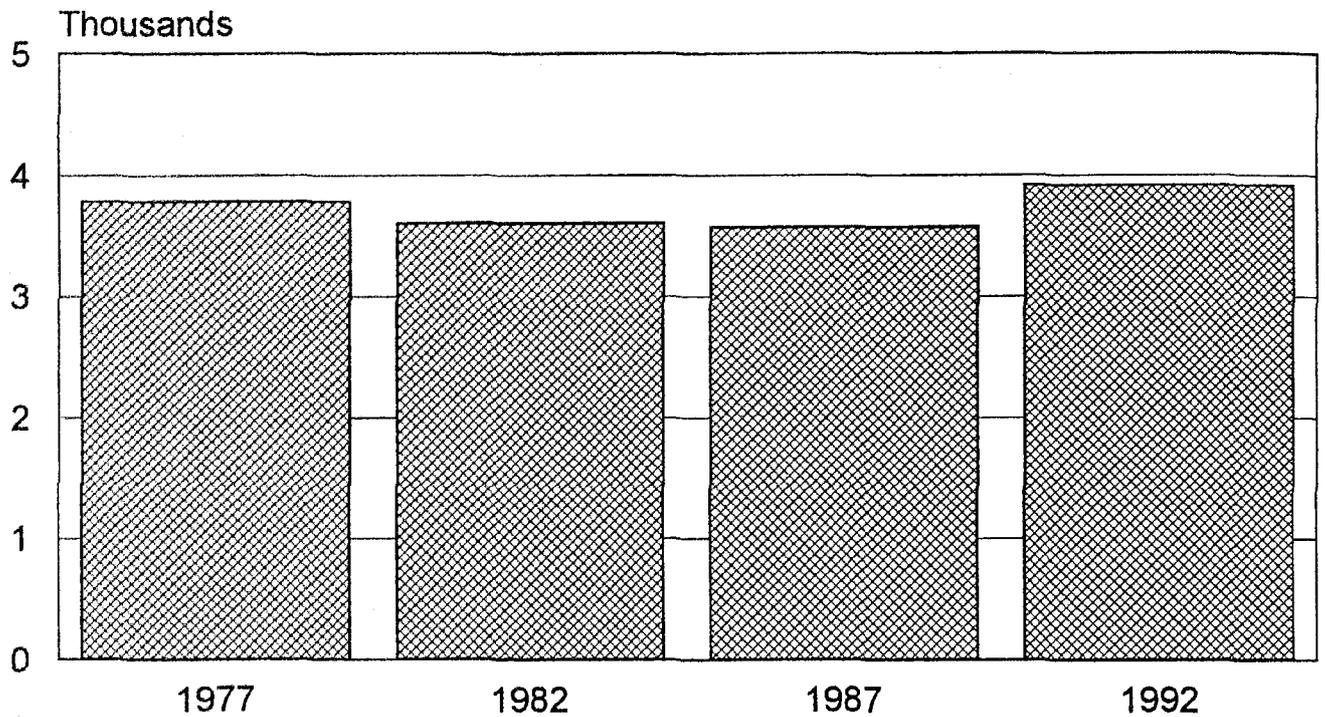
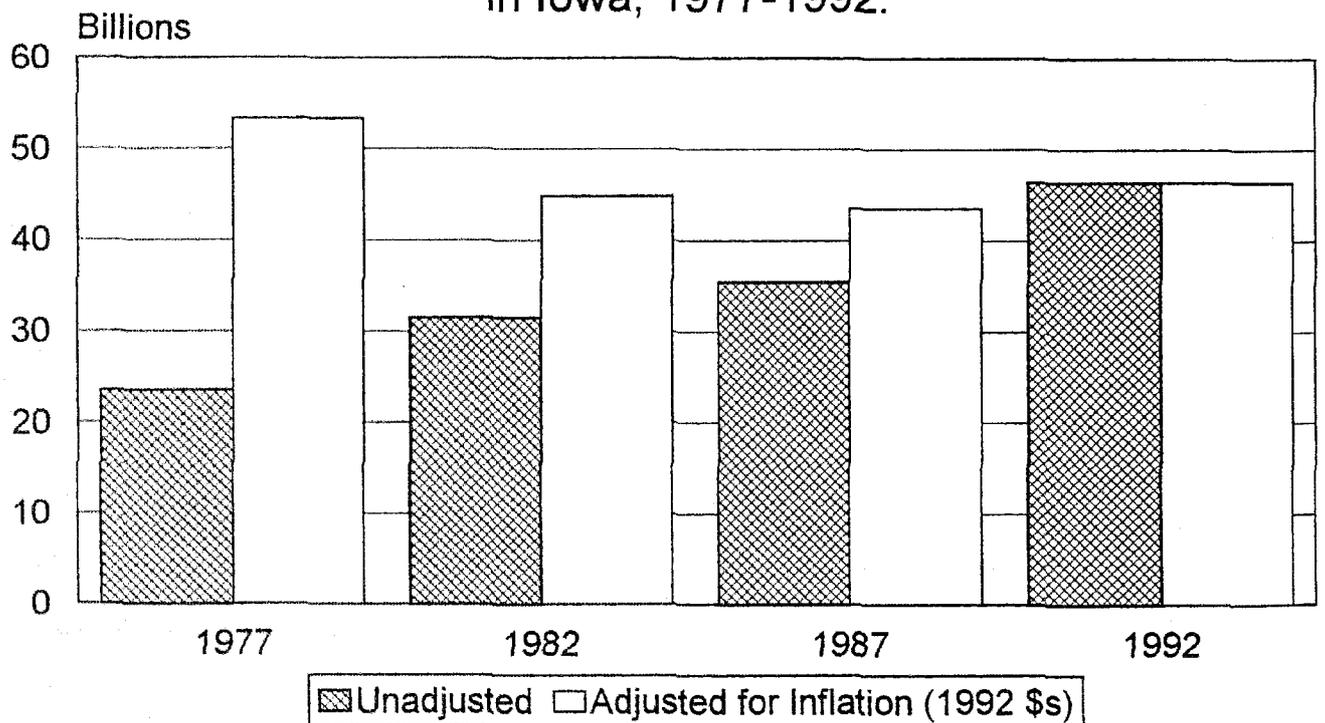


Figure 2. Value of shipments from manufacturing establishments in Iowa, 1977-1992.



Women-Owned Businesses in Iowa's Counties:

1987 and 1992

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Willis Goudy, Iowa State University

Women owned 71,000 businesses in Iowa in 1992, according to the U.S. Bureau of the Census. This is part of a series of economic censuses conducted every five years. The most recent data were released in January of 1996. Business tax returns are reviewed for firms classified as individual proprietorships, self-employed persons, partnerships, and subchapter S corporations. A firm is classified as women-owned based on gender for owners of individual proprietorships or self-employed persons or on the gender of the majority of owners of partnerships and subchapter S corporations. Caution in interpreting information in the text and tables that follow is encouraged; figures for counties sometimes are suppressed by the census bureau to protect the confidentiality of firms.

Firms and Sales

More than a third (34.3%) of the nearly 207,000 firms that filed these kinds of tax returns were determined to be owned by women (Table 1). The 71,000 noted in 1992 was more than 17,400 higher than the 53,600 (30.8%) women-owned firms counted in 1987. The majority of firms in 1992 (135,800), however, had male ownership, as was the case in 1987 (120,500). While both men- and women-owned firms increased during the five years, fewer male firms were added (15,300) and the growth rate for female firms (32.6%) was much higher than that for male firms (12.7%).

All counties but one (Hancock, -9) had more firms of female ownership in 1992 than in 1987. Numerical gains ranged from less than 50 in 18 counties to at least 500 in 8 others, with increases greater than 1,000 reported in Linn, Polk, and Scott. Male-owned firms declined in 12 counties, although only Decatur and Hancock had losses greater than 50. Gains occurred in the number of firms owned by men in 86 counties, although fewer than 50 additional firms were counted in 33 counties. Seven counties had at least 500 more male-owned firms in 1992 than in 1987, with the increase exceeding 1,000 in Linn, Polk, and Scott, the same three noted for substantial gains in firms owned by women.

Sixty-four counties recorded gains among women-owned firms of at least 25 percent; five of these (Decatur, Emmet, Fremont, Howard, Johnson) increased by at least 50 percent. Change among firms owned by men was less dramatic. Of the counties with more men-owned firms in 1992 than in 1987, only Howard, Johnson, and Polk noted increases of at least 25 percent. Adair, Hamilton, Henry, and Worth were the only counties in which the rate of increase between 1987 and 1992 was higher for firms with male ownership than for those of female ownership.

In 1992, women-owned firms in Iowa had sales of \$6.0 billion, more than double the amount of sales (\$2.9 billion) for these firms in 1987 (Table 2). Men-owned firms, however, continued to hold a large majority (\$23.9 billion, 79.9%) of the sales from these businesses. Although female-owned firms had a higher percentage share (20.1%) of sales in 1992 than in 1987 (16.0%), their share of sales still lagged behind their share of the ownership of these firms (34.3% in 1992, 30.8% in 1987).

Statewide, sales from firms owned by women increased 107 percent (+\$3.1 billion) between 1987 and 1992, while the gain was 56 percent (+\$8.6 billion) for businesses owned by men. All but four of the counties for which sales were reported for women and all but five for men experienced gains in sales over the five years. Some of the increase in sales, however, was due to the effects of inflation. After adjusting the 1987 figures to 1992 dollars, significant increases across the state of 69 percent and 27 percent remained for women's and men's firms, respectively. Using the adjusted figures for the counties resulted in eight of the reported counties registering lower sales in female-owned businesses while 18 experienced lower sales by male-owned firms over the five years.

Table 1. Total Firms, Firms Owned by Women, and Firms Owned by Men in Iowa Counties, 1987 and 1992.

County	Total Firms		Firms Owned by Women		Firms Owned by Men		% of Total Owned by Women		% Change 1987-1992 in Number of Firms		
	1992	1987	1992	1987	1992	1987	1992	1987	Total	Women-Owned	Men-Owned
Adair	707	604	221	204	486	400	31.3	33.8	17.1	8.3	21.5
Adams	405	354	132	110	273	244	32.6	31.1	14.4	20.0	11.9
Allamakee	1264	1122	401	286	863	836	31.7	25.5	12.7	40.2	3.2
Appanoose	1028	962	301	227	727	735	29.3	23.6	6.9	32.6	-1.1
Audubon	606	538	177	126	429	412	29.2	23.4	12.6	40.5	4.1
Benton	1838	1439	622	464	1216	975	33.8	32.2	27.7	34.1	24.7
Black Hawk	7590	6312	2732	2181	4858	4131	36.0	34.6	20.2	25.3	17.6
Boone	1671	1562	576	512	1095	1050	34.5	32.8	7.0	12.5	4.3
Bremer	1674	1512	598	478	1076	1034	35.7	31.6	10.7	25.1	4.1
Buchanan	1649	1416	549	432	1100	984	33.3	30.5	16.5	27.1	11.8
Buena Vista	1580	1449	497	383	1083	1066	31.5	26.4	9.0	29.8	1.6
Butler	1427	1296	497	372	930	924	34.8	28.7	10.1	33.6	0.6
Calhoun	947	932	285	243	662	689	30.1	26.1	1.6	17.3	-3.9
Carroll	1919	1672	646	507	1273	1165	33.7	30.3	14.8	27.4	9.3
Cass	1444	1231	439	323	1005	908	30.4	26.2	17.3	35.9	10.7
Cedar	1367	1206	471	365	896	841	34.5	30.3	13.3	29.0	6.5
Cerro Gordo	3404	2913	1196	909	2208	2004	35.1	31.2	16.9	31.6	10.2
Cherokee	1124	1042	379	326	745	716	33.7	31.3	7.9	16.3	4.1
Chickasaw	1080	947	328	248	752	699	30.4	26.2	14.0	32.3	7.6
Clarke	674	608	252	188	422	420	37.4	30.9	10.9	34.0	0.5
Clay	1622	1352	551	388	1071	964	34.0	28.7	20.0	42.0	11.1
Clayton	1628	1399	516	374	1112	1025	31.7	26.7	16.4	38.0	8.5
Clinton	2988	2623	969	773	2019	1850	32.4	29.5	13.9	25.4	9.1
Crawford	1283	1182	423	332	860	850	33.0	28.1	8.5	27.4	1.2
Dallas	2459	2037	881	659	1578	1378	35.8	32.4	20.7	33.7	14.5
Davis	643	604	184	150	459	454	28.6	24.8	6.5	22.7	1.1
Decatur	655	610	244	144	411	466	37.3	23.6	7.4	69.4	-11.8
Delaware	1336	1141	429	330	907	811	32.1	28.9	17.1	30.0	11.8
Des Moines	2596	2226	943	708	1653	1518	36.3	31.8	16.6	33.2	8.9
Dickinson	1663	1510	497	443	1166	1067	29.9	29.3	10.1	12.2	9.3
Dubuque	5588	4406	1804	1281	3784	3125	32.3	29.1	26.8	40.8	21.1
Emmet	934	746	339	218	595	528	36.3	29.2	25.2	55.5	12.7
Fayette	1619	1515	539	419	1080	1096	33.3	27.7	6.9	28.6	-1.5
Floyd	1293	1159	461	329	832	830	35.7	28.4	11.6	40.1	0.2
Franklin	837	780	271	244	566	536	32.4	31.3	7.3	11.1	5.6
Fremont	639	571	248	155	391	416	38.8	27.1	11.9	60.0	-6.0
Greene	827	775	267	246	560	529	32.3	31.7	6.7	8.5	5.9
Grundy	1133	912	398	295	735	617	35.1	32.3	24.2	34.9	19.1
Guthrie	930	764	283	212	647	552	30.4	27.7	21.7	33.5	17.2
Hamilton	1240	1131	398	373	842	758	32.1	33.0	9.6	6.7	11.1
Hancock	1007	1116	295	304	712	812	29.3	27.2	-9.8	-3.0	-12.3
Hardin	1770	1626	565	455	1205	1171	31.9	28.0	8.9	24.2	2.9
Harrison	1166	1034	346	292	820	742	29.7	28.2	12.8	18.5	10.5
Henry	1489	1348	501	471	988	877	33.6	34.9	10.5	6.4	12.7
Howard	814	582	267	159	547	423	32.8	27.3	39.9	67.9	29.3
Humboldt	1053	852	307	217	746	635	29.2	25.5	23.6	41.5	17.5
Ida	721	605	252	181	469	424	35.0	29.9	19.2	39.2	10.6
Iowa	1244	1125	444	360	800	765	35.7	32.0	10.6	23.3	4.6
Jackson	1738	1568	595	469	1143	1099	34.2	29.9	10.8	26.9	4.0
Jasper	2386	2096	918	736	1468	1360	38.5	35.1	13.8	24.7	7.9

Table 1. Total Firms, Firms Owned by Women, and Firms Owned by Men in Iowa Counties, 1987 and 1992 (continued).

County	Total Firms		Firms Owned by Women		Firms Owned by Men		% of Total Owned by Women		% Change 1987-1992 in Number of Firms		
	1992	1987	1992	1987	1992	1987	1992	1987	Total	Women-Owned	Men-Owned
Jefferson	2119	1631	728	487	1391	1144	34.4	29.9	29.9	49.5	21.6
Johnson	6949	5105	2607	1716	4342	3389	37.5	33.6	36.1	51.9	28.1
Jones	1473	1306	485	388	988	918	32.9	29.7	12.8	25.0	7.6
Keokuk	1080	987	363	259	717	728	33.6	26.2	9.4	40.2	-1.5
Kossuth	1719	1425	497	333	1222	1092	28.9	23.4	20.6	49.2	11.9
Lee	2320	2108	845	644	1475	1464	36.4	30.6	10.1	31.2	0.8
Linn	12085	9366	4373	3130	7712	6236	36.2	33.4	29.0	39.7	23.7
Louisa	814	716	272	203	542	513	33.4	28.4	13.7	34.0	5.7
Lucas	641	640	214	187	427	453	33.4	29.2	.2	14.4	-5.7
Lyon	1031	839	324	233	707	606	31.4	27.8	22.9	39.1	16.7
Madison	989	883	328	278	661	605	33.2	31.5	12.0	18.0	9.3
Mahaska	1636	1425	543	410	1093	1015	33.2	28.8	14.8	32.4	7.7
Marion	2092	1820	688	579	1404	1241	32.9	31.8	14.9	18.8	13.1
Marshall	2614	2437	967	806	1647	1631	37.0	33.1	7.3	20.0	1.0
Mills	923	775	340	234	583	541	36.8	30.2	19.1	45.3	7.8
Mitchell	1015	901	288	254	727	647	28.4	28.2	12.7	13.4	12.4
Monona	796	749	226	174	570	575	28.4	23.2	6.3	29.9	-0.9
Monroe	598	545	196	163	402	382	32.8	29.9	9.7	20.2	5.2
Montgomery	954	839	313	240	641	599	32.8	28.6	13.7	30.4	7.0
Muscatine	2420	1973	885	636	1535	1337	36.6	32.2	22.7	39.2	14.8
O'Brien	1312	1211	382	345	930	866	29.1	28.5	8.3	10.7	7.4
Osceola	573	541	197	165	376	376	34.4	30.5	5.9	19.4	0.0
Page	1346	1287	429	377	917	910	31.9	29.3	4.6	13.8	0.8
Palo Alto	1008	843	302	236	706	607	30.0	28.0	19.6	28.0	16.3
Plymouth	1815	1632	632	461	1183	1171	34.8	28.2	11.2	37.1	1.0
Pocahontas	811	767	233	213	578	554	28.7	27.8	5.7	9.4	4.3
Polk	25043	18948	9038	6366	16005	12582	36.1	33.6	32.2	42.0	27.2
Pottawattamie	5270	4431	1805	1319	3465	3112	34.3	29.8	18.9	36.8	11.3
Poweshiek	1440	1253	468	395	972	858	32.5	31.5	14.9	18.5	13.3
Ringgold	455	423	124	103	331	320	27.3	24.3	7.6	20.4	3.4
Sac	947	896	280	256	667	640	29.6	28.6	5.7	9.4	4.2
Scott	9382	7125	3506	2420	5876	4705	37.4	34.0	31.7	44.9	24.9
Shelby	1056	999	323	261	733	738	30.6	26.1	5.7	23.8	-0.7
Sioux	2642	2401	801	650	1841	1751	30.3	27.1	10.0	23.2	5.1
Story	5255	4205	1979	1478	3276	2727	37.7	35.1	25.0	33.9	20.1
Tama	1611	1343	532	393	1079	950	33.0	29.3	20.0	35.4	13.6
Taylor	619	639	205	190	414	449	33.1	29.7	-3.1	7.9	-7.8
Union	955	855	318	248	637	607	33.3	29.0	11.7	28.2	4.9
Van Buren	696	622	238	168	458	454	34.2	27.0	11.9	41.7	0.9
Wapello	2266	1974	814	626	1452	1348	35.9	31.7	14.8	30.0	7.7
Warren	2851	2517	1027	828	1824	1689	36.0	32.9	13.3	24.0	8.0
Washington	2041	1791	701	545	1340	1246	34.3	30.4	14.0	28.6	7.5
Wayne	598	557	182	129	416	428	30.4	23.2	7.4	41.1	-2.8
Webster	2790	2401	920	681	1870	1720	33.0	28.4	16.2	35.1	8.7
Winnebago	1098	887	379	258	719	629	34.5	29.1	23.8	46.9	14.3
Winneshiek	1630	1530	541	448	1089	1082	33.2	29.3	6.5	20.8	0.6
Woodbury	6451	5417	2106	1565	4345	3852	32.6	28.9	19.1	34.6	12.8
Worth	701	598	200	192	501	406	28.5	32.1	17.2	4.2	23.4
Wright	1207	1045	461	321	746	724	38.2	30.7	15.5	43.6	3.0
State of Iowa	206840	174121	71040	53592	135800	120529	34.3	30.8	18.8	32.6	12.7

Table 2. Sales (unadjusted in \$1,000s and adjusted to 1992 in \$1,000s) in Total, Women-Owned, and Men-Owned Firms in Iowa Counties, 1987 and 1992.

County	Sales by Total Firms (in \$1,000s)			Sales by Women-Owned Firms (in \$1,000s)			Sales by Men-Owned Firms (in \$1,000s)			% Change in Sales 1987 to 1992			Adjusted % Change in Sales 1987-1992			% of Total Sales from Women-Owned Firms	
	1992	1987	Adj 1987	1992	1987	Adj 1987	1992	1987	Adj 1987	Total	Women- Owned	Men- Owned	Total	Women- Owned	Men- Owned	1992	Adj 1987
Adair	33000	30853	37899	.	5021	6168	.	25832	31731	7.0	.	.	-12.9	.	.	.	16.3
Adams	25000	.	.	.	2851	3502	.	.	.	.	.	.	.	.	.	.	.
Allamakee	109000	89671	110148	.	18896	23211	.	70775	86937	21.6	.	.	-1.0	.	.	.	21.1
Appanoose	81000	.	.	13767	11600	14249	67233	.	.	.	18.7	.	.	-3.4	.	17.0	.
Audubon	68000	36439	44760	10913	3332	4093	57087	33107	40667	86.6	227.5	72.4	51.9	166.6	40.4	16.0	9.1
Benton	112000	101039	124112	.	10541	12948	.	90498	111164	10.8	.	.	-9.8	.	.	.	10.4
Black Hawk	1176000	598405	735056	181101	81308	99875	994899	517097	635180	96.5	122.7	92.4	60.0	81.3	56.6	15.4	13.6
Boone	115000	87777	107822	.	10328	12686	.	77449	95135	31.0	.	.	6.7	.	.	.	11.8
Bremer	163000	94928	116606	.	16153	19842	.	78775	96764	71.7	.	.	39.8	.	.	.	17.0
Buchanan	259000	117133	143881	28269	17511	21510	230731	99622	122372	121.1	61.4	131.6	80.0	31.4	88.5	10.9	14.9
Buena Vista	167000	118810	145941	.	17532	21536	.	101278	124406	40.6	.	.	14.4	.	.	.	14.8
Butler	108000	89062	109400	.	6465	7941	.	82597	101459	21.3	.	.	-1.3	.	.	.	7.3
Calhoun	60000	49971	61382	.	7323	8995	.	42648	52387	20.1	.	.	-2.3	.	.	.	14.7
Carroll	248000	182385	224034	49245	22161	27222	198755	160224	196812	36.0	122.2	24.0	10.7	80.9	1.0	19.9	12.2
Cass	121000	97896	120251	28214	11117	13656	92786	86779	106596	23.6	153.8	6.9	.6	106.6	-13.0	23.3	11.4
Cedar	90000	96677	118754	20657	15993	19645	69343	80684	99109	-6.9	29.2	-14.1	-24.2	5.2	-30.0	23.0	16.5
Cerro Gordo	412000	211078	259279	88030	32074	39398	323970	179004	219881	95.2	174.5	81.0	58.9	123.4	47.3	21.4	15.2
Cherokee	137000	116376	142951	.	13816	16971	.	102560	125980	17.7	.	.	-4.2	.	.	.	11.9
Chickasaw	94000	72880	89523	.	5545	6811	.	67335	82712	29.0	.	.	5.0	.	.	.	7.6
Clarke	43000	37981	46654	14094	4999	6141	28906	32982	40514	13.2	181.9	-12.4	-7.8	129.5	-28.7	32.8	13.2
Clay	221000	135377	166291	.	12736	15644	.	122641	150647	63.2	.	.	32.9	.	.	.	9.4
Clayton	157000	93831	115258	.	9238	11348	.	84593	103911	67.3	.	.	36.2	.	.	.	9.8
Clinton	489000	262848	322871	59684	39662	48719	429316	223186	274152	86.0	50.5	92.4	51.5	22.5	56.6	12.2	15.1
Crawford	102000	87074	106958	.	12921	15872	.	74153	91086	17.1	.	.	-4.6	.	.	.	14.8
Dallas	204000	120288	147757	.	16482	20246	.	103806	127511	69.6	.	.	38.1	.	.	.	13.7
Davis	54000	46407	57004	.	3080	3783	.	43327	53221	16.4	.	.	-5.3	.	.	.	6.6
Decatur	31000	37388	45926	7077	5055	6209	23923	32333	39717	-17.1	40.0	-26.0	-32.5	14.0	-39.8	22.8	13.5
Delaware	109000	91929	112922	.	11128	13669	.	80801	99253	18.6	.	.	-3.5	.	.	.	12.1
Des Moines	431000	202636	248910	54410	31065	38159	376590	171571	210751	112.7	75.1	119.5	73.2	42.6	78.7	12.6	15.3
Dickinson	155000	100231	123120	29156	18602	22850	125844	81629	100270	54.6	56.7	54.2	25.9	27.6	25.5	18.8	18.6
Dubuque	1062000	654048	803405	.	111324	136746	.	542724	666659	62.4	.	.	32.2	.	.	.	17.0
Emmet	131000	77614	95338	11193	6198	7613	119807	71416	87724	68.8	80.6	67.8	37.4	47.0	36.6	8.5	8.0
Fayette	126000	90207	110807	.	8459	10391	.	81748	100416	39.7	.	.	13.7	.	.	.	9.4

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect confidentiality.

Table 2. Sales (unadjusted in \$1,000s and adjusted to 1992 in \$1,000s) in Total, Women-Owned, and Men-Owned Firms in Iowa Counties, 1987 and 1992 (cont.).

County	Sales by Total Firms (in \$1,000s)			Sales by Women-Owned Firms (in \$1,000s)			Sales by Men-Owned Firms (in \$1,000s)			% Change in Sales 1987 to 1992			Adjusted % Change in Sales 1987-1992			% of Total Sales from Women-Owned Firms	
	1992	1987	Adj 1987	1992	1987	Adj 1987	1992	1987	Adj 1987	Total	Women- Owned	Men- Owned	Total	Women- Owned	Men- Owned	1992	Adj 1987
	Floyd	120000	69089	84866	.	12502	15357	.	56587	69509	73.7	.	.	41.4	.	.	.
Franklin	160000	91870	112849	.	20802	25552	.	71068	87297	74.2	.	.	41.8	.	.	.	22.6
Fremont	51000	49634	60968	.	3054	3751	.	46580	57217	2.8	.	.	-16.3	.	.	.	6.2
Greene	39000	32316	39696	.	4588	5636	.	27728	34060	20.7	.	.	-1.8	.	.	.	14.2
Grundy	62000	49143	60365	8307	6371	7826	53693	42772	52539	26.2	30.4	25.5	2.7	6.1	2.2	13.4	13.0
Guthrie	48000	41955	51536	8264	4287	5266	39736	37668	46270	14.4	92.8	5.5	-6.9	56.9	-14.1	17.2	10.2
Hamilton	300000	241229	296316	.	149440	183566	.	91789	112750	24.4	.	.	1.2	.	.	.	61.9
Hancock	83000	74455	91457	12789	12707	15609	70211	61748	75849	11.5	.6	13.7	-9.2	-18.1	-7.4	15.4	17.1
Hardin	233000	121043	148684	36540	16409	20156	196460	104634	128528	92.5	122.7	87.8	56.7	81.3	52.9	15.7	13.6
Harrison	140000	112799	138558	.	9876	12131	.	102923	126426	24.1	.	.	1.0	.	.	.	8.8
Henry	127000	81216	99762	.	12319	15132	.	68897	84630	56.4	.	.	27.3	.	.	.	15.2
Howard	71000	45372	55733	14106	4542	5579	56894	40830	50154	56.5	210.6	39.3	27.4	152.8	13.4	19.9	10.0
Humboldt	74000	64127	78771	9180	8089	9936	64820	56038	68835	15.4	13.5	15.7	-6.1	-7.6	-5.8	12.4	12.6
Ida	187000	100434	123369	22127	13333	16378	164873	87101	106991	86.2	66.0	89.3	51.6	35.1	54.1	11.8	13.3
Iowa	115000	82199	100970	.	20942	25724	.	61257	75246	39.9	.	.	13.9	.	.	.	25.5
Jackson	131000	122154	150049	.	20462	25135	.	101692	124914	7.2	.	.	-12.7	.	.	.	16.8
Jasper	332000	159032	195348	.	28938	35546	.	130094	159802	108.8	.	.	70.0	.	.	.	18.2
Jefferson	254000	136003	167060	64337	17634	21661	189663	118369	145400	86.8	264.8	60.2	52.0	197.0	30.4	25.3	13.0
Johnson	989000	423303	519968	168273	105060	129051	820727	318243	390916	133.6	60.2	157.9	90.2	30.4	109.9	17.0	24.8
Jones	137000	115557	141945	28319	11928	14652	108681	103629	127294	18.6	137.4	4.9	-3.5	93.3	-14.6	20.7	10.3
Keokuk	82000	67769	83245	.	7144	8775	.	60625	74469	21.0	.	.	-1.5	.	.	.	10.5
Kossuth	184000	123847	152128	23642	15434	18958	160358	108413	133170	48.6	53.2	47.9	21.0	24.7	20.4	12.8	12.5
Lee	317000	187363	230149	95158	49956	61364	221842	137407	168785	69.2	90.5	61.4	37.7	55.1	31.4	30.0	26.7
Linn	2048000	1247002	1531765	325736	168168	206571	1722264	1078834	1325195	64.2	93.7	59.6	33.7	57.7	30.0	15.9	13.5
Louisa	95000	55268	67889	.	7246	8901	.	48022	58988	71.9	.	.	39.9	.	.	.	13.1
Lucas	37000	41356	50800	.	4175	5128	.	37181	45672	-10.5	.	.	-27.2	.	.	.	10.1
Lyon	105000	69159	84952	.	5874	7215	.	63285	77737	51.8	.	.	23.6	.	.	.	8.5
Madison	55000	55617	68318	.	8077	9921	.	47540	58396	-1.1	.	.	-19.5	.	.	.	14.5
Mahaska	127000	108581	133376	.	14701	18058	.	93880	115318	17.0	.	.	-4.8	.	.	.	13.5
Marion	206000	158729	194976	52168	21110	25931	153832	137619	169045	29.8	147.1	11.8	5.7	101.2	-9.0	25.3	13.3
Marshall	286000	187096	229821	.	39513	48536	.	147583	181285	52.9	.	.	24.4	.	.	.	21.1
Mills	55000	50271	61751	12057	7369	9052	42943	42902	52699	9.4	63.6	.1	-10.9	33.2	-18.5	21.9	14.7
Mitchell	88000	85529	105060	18720	5801	7126	69280	79728	97935	2.9	222.7	-13.1	-16.2	162.7	-29.3	21.3	6.8

Table 2. Sales (unadjusted in \$1,000s and adjusted to 1992 in \$1,000s) in Total, Women-Owned, and Men-Owned Firms in Iowa Counties, 1987 and 1992 (cont.).

County	Sales by Total Firms (in \$1,000s)			Sales by Women-Owned Firms (in \$1,000s)			Sales by Men-Owned Firms (in \$1,000s)			% Change in Sales 1987 to 1992			Adjusted % Change in Sales 1987-1992			% of Total Sales from Women-Owned Firms	
	1992	1987	Adj 1987	1992	1987	Adj 1987	1992	1987	Adj 1987	Total	% Change in Sales		Total	% Change in Sales		1992	Adj
											Women- Owned	Men- Owned		Women- Owned	Men- Owned		
Monona	119000	73928	90810	34522	12403	15235	84478	61525	75575	61.0	178.3	37.3	31.0	126.6	11.8	29.0	16.8
Monroe	80000	57549	70691	.	9275	11393	.	48274	59298	39.0	.	.	13.2	.	.	.	16.1
Montgomery	101000	66604	81814	.	8312	10210	.	58292	71603	51.6	.	.	23.5	.	.	.	12.5
Muscatine	229000	127678	156834	58675	27960	34345	170325	99718	122489	79.4	109.9	70.8	46.0	70.8	39.1	25.6	21.9
O'Brien	126000	122263	150183	.	25406	31208	.	96857	118975	3.1	.	.	-16.1	.	.	.	20.8
Osceola	47000	34622	42528	11293	4593	5642	35707	30029	36886	35.8	145.9	18.9	10.5	100.2	-3.2	24.0	13.3
Page	255000	140092	172083	.	52251	64183	.	87841	107900	82.0	.	.	48.2	.	.	.	37.3
Palo Alto	66000	51817	63650	.	5959	7320	.	45858	56330	27.4	.	.	3.7	.	.	.	11.5
Plymouth	697000	292586	359400	39062	19698	24196	657938	272888	335204	138.2	98.3	141.1	93.9	61.4	96.3	5.6	6.7
Pocahontas	56000	63906	78499	6891	11777	14466	49109	52129	64033	-12.4	-41.5	-5.8	-28.7	-52.4	-23.3	12.3	18.4
Polk	6407000	3687424	4529478	.	549255	674682	.	3138169	3854796	73.8	.	.	41.5	.	.	.	14.9
Pottawattamie	572000	475891	584565	.	51939	63800	.	423952	520765	20.2	.	.	-2.1	.	.	.	10.9
Poweshiek	233000	94367	115916	19994	19989	24554	213006	74378	91363	146.9	.0	186.4	101.0	-18.6	133.1	8.6	21.2
Ringgold	27000	31648	38875	.	7324	8996	.	24324	29879	-14.7	.	.	-30.5	.	.	.	23.1
Sac	82000	73883	90755	11475	13298	16335	70525	60585	74420	11.0	-13.7	16.4	-9.6	-29.8	-5.2	14.0	18.0
Scott	1838000	847499	1041032	344044	192271	236178	1493956	655228	804855	116.9	78.9	128.0	76.6	45.7	85.6	18.7	22.7
Shelby	91000	61660	75741	.	6541	8035	.	55119	67706	47.6	.	.	20.1	.	.	.	10.6
Sioux	513000	352559	433069	.	13091	16080	.	339468	416988	45.5	.	.	18.5	.	.	.	3.7
Story	754000	468594	575601	347002	84542	103848	406998	384052	471753	60.9	310.4	6.0	31.0	234.1	-13.7	46.0	18.0
Tama	96000	86101	105763	.	10854	13333	.	75247	92430	11.5	.	.	-9.2	.	.	.	12.6
Taylor	98000	68278	83870	.	11957	14687	.	56321	69182	43.5	.	.	16.8	.	.	.	17.5
Union	116000	59227	72752	.	8550	10502	.	50677	62250	95.9	.	.	59.4	.	.	.	14.4
Van Buren	77000	28749	35314	.	6338	7785	.	22411	27529	167.8	.	.	118.0	.	.	.	22.0
Wapello	261000	147691	181417	47497	21507	26418	213503	126184	154999	76.7	120.8	69.2	43.9	79.8	37.7	18.2	14.6
Warren	202000	124501	152932	.	20402	25061	.	104099	127871	62.2	.	.	32.1	.	.	.	16.4
Washington	185000	160430	197066	34671	22456	27584	150329	137974	169481	15.3	54.4	9.0	-6.1	25.7	-11.3	18.7	14.0
Wayne	89000	45732	56175	.	11513	14142	.	34219	42033	94.6	.	.	58.4	.	.	.	25.2
Webster	357000	247433	303936	47242	22845	28062	309758	224588	275875	44.3	106.8	37.9	17.5	68.3	12.3	13.2	9.2
Winnebago	81000	69710	85629	9619	5955	7315	71381	63755	78314	16.2	61.5	12.0	-5.4	31.5	-8.9	11.9	8.5
Winneshiek	140000	130170	159895	.	16813	20652	.	113357	139243	7.6	.	.	-12.4	.	.	.	12.9
Woodbury	1568000	814913	1001005	450427	172914	212400	1117573	641999	788605	92.4	160.5	74.1	56.6	112.1	41.7	28.7	21.2
Worth	34000	30095	36967	4311	10189	12516	29689	19906	24452	13.0	-57.7	49.1	-8.0	-65.6	21.4	12.7	33.9
Wright	68000	68825	84542	7153	8067	9909	60847	60758	74633	-1.2	-11.3	.1	-19.6	-27.8	-18.5	10.5	11.7
State of Iowa	29896000	18199000	22354891	6021013	2904611	3567903	23874987	15294389	18786988	64.3	107.3	56.1	33.7	68.8	27.1	20.1	16.0

Table 3. Number, Sales, Employees, and Payrolls of Total, Women-Owned, and Men-Owned Employer Firms in Iowa Counties, 1992.

County	Number of Firms With Employees			Employer Firms as a % of All Firms			Sales (in \$1,000s) by Employer Firms			Employer Firm Sales as a % of All Sales			Number of Employees			Payroll (in \$1,000s)		
	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms
	Adair	112	24	88	15.8	10.9	18.1	23000	.	.	69.7	.	.	468	.	.	3000	.
Adams	71	25	46	17.5	18.9	16.8	17000	.	.	68.0	.	.	374	.	.	4000	.	.
Allamakee	242	48	194	19.1	12.0	22.5	86000	22378	63622	78.9	.	.	1173	254	919	12000	2994	9006
Appanoose	201	50	151	19.6	16.6	20.8	59000	11445	47555	72.8	83.1	70.7	718	191	527	7000	1552	5448
Audubon	127	39	88	21.0	22.0	20.5	57000	8755	48245	83.8	80.2	84.5	512	133	379	5000	1032	3968
Benton	293	56	237	15.9	9.0	19.5	86000	25709	60291	76.8	.	.	927	190	737	11000	2198	8802
Black Hawk	1313	323	990	17.3	11.8	20.4	1065000	156602	908398	90.6	86.5	91.3	12522	2189	10333	203000	27646	175354
Boone	260	65	195	15.6	11.3	17.8	91000	19429	71571	79.1	.	.	1321	394	927	16000	4370	11630
Bremer	276	78	198	16.5	13.0	18.4	133000	36087	96913	81.6	.	.	1132	349	783	15000	5737	9263
Buchanan	278	56	222	16.9	10.2	20.2	233000	24414	208586	90.0	86.4	90.4	1567	224	1343	25000	2807	22193
Buena Vista	357	87	270	22.6	17.5	24.9	142000	22907	119093	85.0	.	.	2197	459	1738	25000	3282	21718
Butler	217	68	149	15.2	13.7	16.0	82000	.	.	75.9	.	.	766	.	.	8000	.	.
Calhoun	172	31	141	18.2	10.9	21.3	45000	3685	41315	75.0	.	.	603	77	526	6000	467	5533
Carroll	478	125	353	24.9	19.3	27.7	206000	43788	162212	83.1	88.9	81.6	2530	649	1881	30000	6215	23785
Cass	261	59	202	18.1	13.4	20.1	88000	24572	63428	72.7	87.1	68.4	1106	242	864	12000	2405	9595
Cedar	233	57	176	17.0	12.1	19.6	68000	17353	50647	75.6	84.0	73.0	815	242	573	9000	2211	6789
Cerro Gordo	655	138	517	19.2	11.5	23.4	357000	72541	284459	86.7	82.4	87.8	3799	681	3118	50000	7446	42554
Cherokee	226	57	169	20.1	15.0	22.7	121000	.	.	88.3	.	.	1458	.	.	18000	.	.
Chickasaw	228	45	183	21.1	13.7	24.3	75000	13671	61329	79.8	.	.	1001	238	763	10000	2224	7776
Clarke	125	48	77	18.5	19.0	18.2	31000	11650	19350	72.1	82.7	66.9	520	179	341	6000	2185	3815
Clay	299	81	218	18.4	14.7	20.4	194000	65991	128009	87.8	.	.	2417	981	1436	36000	15714	20286
Clayton	293	70	223	18.0	13.6	20.1	130000	.	.	82.8	.	.	1200	.	.	14000	.	.
Clinton	636	134	502	21.3	13.8	24.9	445000	.	.	91.0	.	.	6752	.	.	81000	.	.
Crawford	277	82	195	21.6	19.4	22.7	77000	13166	63834	75.5	.	.	1164	264	900	12000	1736	10264
Dallas	331	96	235	13.5	10.9	14.9	157000	18599	138401	77.0	.	.	1652	437	1215	27000	3953	23047
Davis	102	16	86	15.9	8.7	18.7	37000	7284	29716	68.5	.	.	412	96	316	5000	1226	3774
Decatur	90	25	65	13.7	10.2	15.8	20000	5002	14998	64.5	70.7	62.7	367	78	289	3000	823	2177
Delaware	286	57	229	21.4	13.3	25.2	84000	7865	76135	77.1	.	.	1139	247	892	14000	1591	12409
Des Moines	560	149	411	21.6	15.8	24.9	392000	45899	346101	91.0	84.4	91.9	4556	784	3772	73000	13780	59220
Dickinson	402	105	297	24.2	21.1	25.5	123000	24611	98389	79.4	84.4	78.2	2155	376	1779	24000	4741	19259
Dubuque	1258	305	953	22.5	16.9	25.2	959000	.	.	90.3	.	.	11397	.	.	171000	.	.
Emmet	178	41	137	19.1	12.1	23.0	112000	8027	103973	85.5	71.7	86.8	1255	107	1148	16000	1087	14913
Fayette	308	76	232	19.0	14.1	21.5	102000	40127	61873	81.0	.	.	1191	331	860	14000	3772	10228

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect confidentiality.

Table 3. Number, Sales, Employees, and Payrolls of Total, Women-Owned, and Men-Owned Employer Firms in Iowa Counties, 1992 (continued).

County	Number of Firms With Employees			Employer Firms as a % of All Firms			Sales (in \$1,000s) by Employer Firms			Employer Firm Sales as a % of All Sales			Number of Employees			Payroll (in \$1,000s)		
	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms
Floyd	240	49	191	18.6	10.6	23.0	102000	16030	85970	85.0	.	.	1457	450	1007	19000	4145	14855
Franklin	155	40	115	18.5	14.8	20.3	144000	10687	133313	90.0	.	.	2724	149	2575	29000	992	28008
Fremont	116	38	78	18.2	15.3	19.9	42000	3023	38977	82.4	.	.	359	83	276	3000	617	2383
Greene	135	25	110	16.3	9.4	19.6	25000	2921	22079	64.1	.	.	453	71	382	4000	462	3538
Grundy	173	33	140	15.3	8.3	19.0	46000	4587	41413	74.2	55.2	77.1	706	105	601	9000	705	8295
Guthrie	132	28	104	14.2	9.9	16.1	33000	6223	26777	68.8	75.3	67.4	426	107	319	4000	957	3043
Hamilton	220	49	171	17.7	12.3	20.3	276000	186078	89922	92.0	.	.	1592	646	946	26000	12611	13389
Hancock	193	40	153	19.2	13.6	21.5	69000	10763	58237	83.1	84.2	82.9	873	157	716	10000	1847	8153
Hardin	328	67	261	18.5	11.9	21.7	206000	30881	175119	88.4	84.5	89.1	2038	473	1565	26000	6084	19916
Harrison	178	42	136	15.3	12.1	16.6	120000	19038	100962	85.7	.	.	955	342	613	11000	2814	8186
Henry	256	64	192	17.2	12.8	19.4	104000	43379	60621	81.9	.	.	2479	1492	987	32000	20806	11194
Howard	158	38	120	19.4	14.2	21.9	59000	10560	48440	83.1	74.9	85.1	627	203	424	6000	1494	4506
Humboldt	172	33	139	16.3	10.7	18.6	57000	6908	50092	77.0	75.3	77.3	740	166	574	10000	1582	8418
Ida	148	42	106	20.5	16.7	22.6	170000	20331	149669	90.9	91.9	90.8	1004	147	857	18000	1521	16479
Iowa	221	53	168	17.8	11.9	21.0	99000	.	.	86.1	.	.	1440	.	.	20000	.	.
Jackson	332	80	252	19.1	13.4	22.0	105000	30487	74513	80.2	.	.	1434	478	956	14000	4052	9948
Jasper	412	120	292	17.3	13.1	19.9	286000	57476	228524	86.1	.	.	2817	816	2001	38000	9467	28533
Jefferson	381	130	251	18.0	17.9	18.0	204000	50632	153368	80.3	78.7	80.9	2525	849	1676	41000	10953	30047
Johnson	1065	256	809	15.3	9.8	18.6	851000	.	.	86.0	.	.	8002	.	.	114000	.	.
Jones	254	80	174	17.2	16.5	17.6	113000	24850	88150	82.5	87.8	81.1	1137	293	844	16000	2600	13400
Keokuk	161	46	115	14.9	12.7	16.0	63000	16972	46028	76.8	.	.	722	245	477	8000	2490	5510
Kossuth	358	75	283	20.8	15.1	23.2	156000	19861	136139	84.8	84.0	84.9	1584	547	1037	17000	4249	12751
Lee	523	153	370	22.5	18.1	25.1	274000	.	.	86.4	.	.	3171	.	.	45000	.	.
Linn	2032	486	1546	16.8	11.1	20.0	1840000	283536	1556464	89.8	87.0	90.4	27020	3849	23171	357000	56429	300571
Louisa	127	44	83	15.6	16.2	15.3	82000	11376	70624	86.3	.	.	752	157	595	8000	1645	6355
Lucas	98	24	74	15.3	11.2	17.3	27000	2514	24486	73.0	.	.	416	90	326	5000	611	4389
Lyon	201	36	165	19.5	11.1	23.3	84000	24808	59192	80.0	.	.	836	244	592	10000	3108	6892
Madison	171	37	134	17.3	11.3	20.3	39000	4746	34254	70.9	.	.	591	111	480	7000	1053	5947
Mahaska	298	76	222	18.2	14.0	20.3	98000	.	.	77.2	.	.	1589	.	.	20000	.	.
Marion	355	80	275	17.0	11.6	19.6	166000	46954	119046	80.6	90.0	77.4	2008	483	1525	27000	6890	20110
Marshall	469	142	327	17.9	14.7	19.9	246000	.	.	86.0	.	.	2977	.	.	46000	.	.
Mills	141	42	99	15.3	12.4	17.0	38000	7449	30551	69.1	61.8	71.1	679	298	381	6000	1891	4109
Mitchell	193	36	157	19.0	12.5	21.6	69000	16480	52520	78.4	88.0	75.8	677	134	543	8000	1619	6381

Table 3. Number, Sales, Employees, and Payrolls of Total, Women-Owned, and Men-Owned Employer Firms in Iowa Counties, 1992 (continued).

County	Number of Firms With Employees			Employer Firms as a % of All Firms			Sales (in \$1,000s) by Employer Firms			Employer Firm Sales as a % of All Sales			Number of Employees			Payroll (in \$1,000s)		
	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms	Total Firms	Women-Owned Firms	Men-Owned Firms
	Monona	177	49	128	22.2	21.7	22.5	104000	32623	71377	87.4	94.5	84.5	944	274	670	12000	3414	8586
Monroe	111	25	86	18.6	12.8	21.4	44000	3627	40373	55.0	.	.	655	215	440	7000	1448	5552
Montgomery	165	39	126	17.3	12.5	19.7	80000	16132	63868	79.2	.	.	1235	210	1025	10000	1553	8447
Muscatine	447	110	337	18.5	12.4	22.0	190000	51234	138766	83.0	87.3	81.5	2619	714	1905	39000	9365	29635
O'Brien	306	68	238	23.3	17.8	25.6	100000	17501	82499	79.4	.	.	1527	330	1197	16000	3125	12875
Osceola	120	35	85	20.9	17.8	22.6	39000	9362	29638	83.0	82.9	83.0	569	214	355	6000	2571	3429
Page	296	76	220	22.0	17.7	24.0	230000	.	.	90.2	.	.	2637	.	.	31000	.	.
Palo Alto	183	44	139	18.2	14.6	19.7	50000	11659	38341	75.8	.	.	781	405	376	8000	3234	4766
Plymouth	355	98	257	19.6	15.5	21.7	663000	33014	629986	95.1	84.5	95.8	2694	539	2155	49000	6411	42589
Pocahontas	153	28	125	18.9	12.0	21.6	44000	4976	39024	78.6	72.2	79.5	672	175	497	6000	1083	4917
Polk	4177	1197	2980	16.7	13.2	18.6	5879000	.	.	91.8	.	.	49594	.	.	841000	.	.
Pottawattamie	903	221	682	17.1	12.2	19.7	478000	.	.	83.6	.	.	5537	.	.	79000	.	.
Poweshiek	316	81	235	21.9	17.3	24.2	211000	16186	194814	90.6	81.0	91.5	2498	369	2129	31000	3019	27981
Ringgold	67	16	51	14.7	12.9	15.4	19000	4905	14095	70.4	.	.	374	83	291	4000	862	3138
Sac	202	36	166	21.3	12.9	24.9	65000	7782	57218	79.3	67.8	81.1	856	187	669	9000	1173	7827
Scott	1718	486	1232	18.3	13.9	21.0	1682000	305595	1376405	91.5	88.8	92.1	18548	3646	14902	310000	53393	256607
Shelby	213	52	161	20.2	16.1	22.0	67000	.	.	73.6	.	.	779	.	.	8000	.	.
Sioux	628	131	497	23.8	16.4	27.0	463000	.	.	90.3	.	.	3875	.	.	45000	.	.
Story	827	268	559	15.7	13.5	17.1	670000	323141	346859	88.9	93.1	85.2	7776	3003	4773	104000	31297	72703
Tama	214	53	161	13.3	10.0	14.9	72000	8722	63278	75.0	.	.	861	166	695	9000	1035	7965
Taylor	120	33	87	19.4	16.1	21.0	83000	.	.	84.7	.	.	628	.	.	7000	.	.
Union	192	37	155	20.1	11.6	24.3	104000	5563	98437	89.7	.	.	1094	87	1007	12000	573	11427
Van Buren	90	29	61	12.9	12.2	13.3	66000	10038	55962	85.7	.	.	462	120	342	7000	1507	5493
Wapello	413	111	302	18.2	13.6	20.8	228000	41394	186606	87.4	87.2	87.4	2553	1026	1527	36000	10983	25017
Warren	370	94	276	13.0	9.2	15.1	158000	.	.	78.2	.	.	1471	.	.	20000	.	.
Washington	372	71	301	18.2	10.1	22.5	151000	.	.	81.6	.	.	1909	.	.	25000	.	.
Wayne	109	23	86	18.2	12.6	20.7	80000	2660	77340	89.9	.	.	580	80	500	8000	440	7560
Webster	578	107	471	20.7	11.6	25.2	313000	30450	282550	87.7	64.5	91.2	3685	716	2969	46000	7774	38226
Winnebago	182	34	148	16.6	9.0	20.6	59000	6255	52745	72.8	65.0	73.9	665	108	557	7000	672	6328
Winneshiek	316	86	230	19.4	15.9	21.1	116000	15752	100248	82.9	.	.	1635	348	1287	20000	2875	17125
Woodbury	1271	300	971	19.7	14.2	22.3	1437000	431311	1005689	91.6	95.8	90.0	11836	2214	9622	195000	32831	162169
Worth	103	20	83	14.7	10.0	16.6	23000	2765	20235	67.6	64.1	68.2	291	105	186	3000	492	2508
Wright	208	62	146	17.2	13.4	19.6	52000	4447	47553	76.5	62.2	78.2	837	102	735	9000	714	8286
State of Iowa	37447	9416	28031	18.1	13.3	20.6	26216000	5299885	20916115	87.7	88.0	87.6	280667	64762	215905	3996000	826870	3169130

Table 4. Sales, Employees and Pay in Total, Women-Owned, and Men-Owned Employer Firms in Iowa Counties, 1992.

County	Sales (in \$1,000s) Per Firm			Employees Per Firm			Pay Per Employee			Sales Per Employee			\$\$ of Sales Per \$ of Payroll		
	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms
Adair	205	.	.	4.2	.	.	6410	.	.	49145	.	.	7.67	.	.
Adams	239	.	.	5.3	.	.	10695	.	.	45455	.	.	4.25	.	.
Allamakee	355	466	328	4.8	5.3	4.7	10230	11787	9800	73316	88102	69230	7.17	7.47	7.06
Appanoose	294	229	315	3.6	3.8	3.5	9749	8126	10338	82173	59921	90237	8.43	7.37	8.73
Audubon	449	224	548	4.0	3.4	4.3	9766	7759	10470	111328	65827	127296	11.40	8.48	12.16
Benton	294	459	254	3.2	3.4	3.1	11866	11568	11943	92772	135311	81806	7.82	11.70	6.85
Black Hawk	811	485	918	9.5	6.8	10.4	16211	12630	16970	85050	71540	87912	5.25	5.66	5.18
Boone	350	299	367	5.1	6.1	4.8	12112	11091	12546	68887	49312	77207	5.69	4.45	6.15
Bremer	482	463	489	4.1	4.5	4.0	13251	16438	11830	117491	103401	123771	8.87	6.29	10.46
Buchanan	838	436	940	5.6	4.0	6.0	15954	12531	16525	148692	108991	155313	9.32	8.70	9.40
Buena Vista	398	263	441	6.2	5.3	6.4	11379	7150	12496	64634	49906	68523	5.68	6.98	5.48
Butler	378	.	.	3.5	.	.	10444	.	.	107050	.	.	10.25	.	.
Calhoun	262	119	293	3.5	2.5	3.7	9950	6065	10519	74627	47857	78546	7.50	7.89	7.47
Carroll	431	350	460	5.3	5.2	5.3	11858	9576	12645	81423	67470	86237	6.87	7.05	6.82
Cass	337	416	314	4.2	4.1	4.3	10850	9938	11105	79566	101537	73412	7.33	10.22	6.61
Cedar	292	304	288	3.5	4.2	3.3	11043	9136	11848	83436	71707	88389	7.56	7.85	7.46
Cerro Gordo	545	526	550	5.8	4.9	6.0	13161	10934	13648	93972	106521	91231	7.14	9.74	6.68
Cherokee	535	.	.	6.5	.	.	12346	.	.	82990	.	.	6.72	.	.
Chickasaw	329	304	335	4.4	5.3	4.2	9990	9345	10191	74925	57441	80379	7.50	6.15	7.89
Clarke	248	243	251	4.2	3.7	4.4	11538	12207	11188	59615	65084	56745	5.17	5.33	5.07
Clay	649	815	587	8.1	12.1	6.6	14894	16018	14127	80265	67269	89143	5.39	4.20	6.31
Clayton	444	.	.	4.1	.	.	11667	.	.	108333	.	.	9.29	.	.
Clinton	700	.	.	10.6	.	.	11996	.	.	65906	.	.	5.49	.	.
Crawford	278	161	327	4.2	3.2	4.6	10309	6576	11404	66151	49871	70927	6.42	7.58	6.22
Dallas	474	194	589	5.0	4.6	5.2	16344	9046	18969	95036	42561	113910	5.81	4.71	6.01
Davis	363	455	346	4.0	6.0	3.7	12136	12771	11943	89806	75875	94038	7.40	5.94	7.87
Decatur	222	200	231	4.1	3.1	4.4	8174	10551	7533	54496	64128	51896	6.67	6.08	6.89
Delaware	294	138	332	4.0	4.3	3.9	12291	6441	13911	73749	31842	85353	6.00	4.94	6.14
Des Moines	700	308	842	8.1	5.3	9.2	16023	17577	15700	86040	58545	91755	5.37	3.33	5.84
Dickinson	306	234	331	5.4	3.6	6.0	11137	12609	10826	57077	65455	55306	5.13	5.19	5.11
Dubuque	762	.	.	9.1	.	.	15004	.	.	84145	.	.	5.61	.	.
Emmet	629	196	759	7.1	2.6	8.4	12749	10159	12990	89243	75019	90569	7.00	7.38	6.97
Fayette	331	528	267	3.9	4.4	3.7	11755	11396	11893	85642	121230	71945	7.29	10.64	6.05
Floyd	425	327	450	6.1	9.2	5.3	13040	9211	14752	70007	35622	85372	5.37	3.87	5.79
Franklin	929	267	1159	17.6	3.7	22.4	10646	6658	10877	52863	71725	51772	4.97	10.77	4.76
Fremont	362	80	500	3.1	2.2	3.5	8357	7434	8634	116992	36422	141221	14.00	4.90	16.36
Greene	185	117	201	3.4	2.8	3.5	8830	6507	9262	55188	41141	57798	6.25	6.32	6.24
Grundy	266	139	296	4.1	3.2	4.3	12748	6714	13802	65156	43686	68907	5.11	6.51	4.99
Guthrie	250	222	257	3.2	3.8	3.1	9390	8944	9539	77465	58159	83940	8.25	6.50	8.80
Hamilton	1255	3798	526	7.2	13.2	5.5	16332	19522	14153	173367	288046	95055	10.62	14.76	6.72
Hancock	358	269	381	4.5	3.9	4.7	11455	11764	11387	79038	68554	81337	6.90	5.83	7.14
Hardin	628	461	671	6.2	7.1	6.0	12758	12863	12726	101079	65288	111897	7.92	5.08	8.79
Harrison	674	453	742	5.4	8.1	4.5	11518	8228	13354	125654	55667	164701	10.91	6.77	12.33
Henry	406	678	316	9.7	23.3	5.1	12908	13945	11341	41952	29074	61419	3.25	2.08	5.42
Howard	373	278	404	4.0	5.3	3.5	9569	7360	10627	94099	52020	114245	9.83	7.07	10.75
Humboldt	331	209	360	4.3	5.0	4.1	13514	9530	14666	77027	41614	87268	5.70	4.37	5.95
Ida	1149	484	1412	6.8	3.5	8.1	17928	10347	19229	169323	138306	174643	9.44	13.37	9.08
Iowa	448	.	.	6.5	.	.	13889	.	.	68750	.	.	4.95	.	.
Jackson	316	381	296	4.3	6.0	3.8	9763	8477	10406	73222	63780	77942	7.50	7.52	7.49
Jasper	694	479	783	6.8	6.8	6.9	13490	11602	14259	101526	70436	114205	7.53	6.07	8.01

^aA dot is included whenever data were not reported by the U.S. Bureau of the Census to protect confidentiality.

Table 4. Sales, Employees and Pay in Total, Women-Owned, and Men-Owned Employer Firms in Iowa Counties, 1992 (continued).

County	Sales (in \$1,000s) Per Firm			Employees Per Firm			Pay Per Employee			Sales Per Employee			\$s of Sales Per \$ of Payroll		
	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms	Total Firms	Women- Owned Firms	Men- Owned Firms
Jefferson	535	389	611	6.6	6.5	6.7	16238	12901	17928	80792	59637	91508	4.98	4.62	5.10
Johnson	799	.	.	7.5	.	.	14246	.	.	106348	.	.	7.46	.	.
Jones	445	311	507	4.5	3.7	4.9	14072	8874	15877	99384	84812	104443	7.06	9.56	6.58
Keokuk	391	369	400	4.5	5.3	4.1	11080	10163	11551	87258	69273	96495	7.88	6.82	8.35
Kossuth	436	265	481	4.4	7.3	3.7	10732	7768	12296	98485	36309	131282	9.18	4.67	10.68
Lee	524	.	.	6.1	.	.	14191	.	.	86408	.	.	6.09	.	.
Linn	906	583	1007	13.3	7.9	15.0	13212	14661	12972	68098	73665	67173	5.15	5.02	5.18
Louisa	646	259	851	5.9	3.6	7.2	10638	10478	10681	109043	72459	118696	10.25	6.92	11.11
Lucas	276	105	331	4.2	3.8	4.4	12019	6789	13463	64904	27933	75110	5.40	4.11	5.58
Lyon	418	689	359	4.2	6.8	3.6	11962	12738	11642	100478	101672	99986	8.40	7.98	8.59
Madison	228	128	256	3.5	3.0	3.6	11844	9486	12390	65990	42757	71363	5.57	4.51	5.76
Mahaska	329	.	.	5.3	.	.	12587	.	.	61674	.	.	4.90	.	.
Marion	468	587	433	5.7	6.0	5.5	13446	14265	13187	82669	97213	78063	6.15	6.81	5.92
Marshall	525	.	.	6.3	.	.	15452	.	.	82634	.	.	5.35	.	.
Mills	270	177	309	4.8	7.1	3.8	8837	6346	10785	55965	24997	80186	6.33	3.94	7.44
Mitchell	358	458	335	3.5	3.7	3.5	11817	12082	11751	101920	122985	96722	8.63	10.18	8.23
Monona	588	666	558	5.3	5.6	5.2	12712	12460	12815	110169	119062	106533	8.67	9.56	8.31
Monroe	396	145	469	5.9	8.6	5.1	10687	6735	12618	67176	16870	91757	6.29	2.50	7.27
Montgomery	485	414	507	7.5	5.4	8.1	8097	7395	8241	64777	76819	62310	8.00	10.39	7.56
Muscatine	425	466	412	5.9	6.5	5.7	14891	13116	15556	72547	71756	72843	4.87	5.47	4.68
O'Brien	327	257	347	5.0	4.9	5.0	10478	9470	10756	65488	53033	68921	6.25	5.60	6.41
Osceola	325	267	349	4.7	6.1	4.2	10545	12014	9659	68541	43748	83487	6.50	3.64	8.64
Page	777	.	.	8.9	.	.	11756	.	.	87220	.	.	7.42	.	.
Palo Alto	273	265	276	4.3	9.2	2.7	10243	7985	12676	64020	28788	101971	6.25	3.61	8.04
Plymouth	1868	337	2451	7.6	5.5	8.4	18189	11894	19763	246102	61250	292337	13.53	5.15	14.79
Pocahontas	288	178	312	4.4	6.3	4.0	8929	6189	9893	65476	28434	78519	7.33	4.59	7.94
Polk	1407	.	.	11.9	.	.	16958	.	.	118543	.	.	6.99	.	.
Pottawattamie	529	.	.	6.1	.	.	14268	.	.	86328	.	.	6.05	.	.
Poweshiek	668	200	829	7.9	4.6	9.1	12410	8182	13143	84468	43864	91505	6.81	5.36	6.96
Ringgold	284	307	276	5.6	5.2	5.7	10695	10386	10784	50802	59096	48436	4.75	5.69	4.49
Sac	322	216	345	4.2	5.2	4.0	10514	6273	11700	75935	41615	85528	7.22	6.63	7.31
Scott	979	629	1117	10.8	7.5	12.1	16713	14644	17220	90684	83817	92364	5.43	5.72	5.36
Shelby	315	.	.	3.7	.	.	10270	.	.	86008	.	.	8.38	.	.
Sioux	737	.	.	6.2	.	.	11613	.	.	119484	.	.	10.29	.	.
Story	810	1206	620	9.4	11.2	8.5	13374	10422	15232	86163	107606	72671	6.44	10.32	4.77
Tama	336	165	393	4.0	3.1	4.3	10453	6235	11460	83624	52542	91047	8.00	8.43	7.94
Taylor	692	.	.	5.2	.	.	11146	.	.	132166	.	.	11.86	.	.
Union	542	150	635	5.7	2.4	6.5	10969	6586	11348	95064	63943	97753	8.67	9.71	8.61
Van Buren	733	346	917	5.1	4.1	5.6	15152	12558	16061	142857	83650	163632	9.43	6.66	10.19
Wapello	552	373	618	6.2	9.2	5.1	14101	10705	16383	89307	40345	122204	6.33	3.77	7.46
Warren	427	.	.	4.0	.	.	13596	.	.	107410	.	.	7.90	.	.
Washington	406	.	.	5.1	.	.	13096	.	.	79099	.	.	6.04	.	.
Wayne	734	116	899	5.3	3.5	5.8	13793	5500	15120	137931	33250	154680	10.00	6.05	10.23
Webster	542	285	600	6.4	6.7	6.3	12483	10858	12875	84939	42528	95167	6.80	3.92	7.39
Winnebago	324	184	356	3.7	3.2	3.8	10526	6222	11361	88722	57917	94695	8.43	9.31	8.34
Winneshiek	367	183	436	5.2	4.0	5.6	12232	8261	13306	70948	45264	77893	5.80	5.48	5.85
Woodbury	1131	1438	1036	9.3	7.4	9.9	16475	14829	16854	121409	194811	104520	7.37	13.14	6.20
Worth	223	138	244	2.8	5.3	2.2	10309	4686	13484	79038	26333	108790	7.67	5.62	8.07
Wright	250	72	326	4.0	1.6	5.0	10753	7000	11273	62127	43598	64698	5.78	6.23	5.74
State of Iowa	700	563	746	7.5	6.9	7.7	14238	12768	14678	93406	81836	96876	6.56	6.41	6.60

Sales, Employees, and Payroll of Employer Firms

Many of the businesses that are part of this economic census are small and do not have any hired employees. For those firms that are employers, information about employees and payroll is collected. Of the nearly 207,000 Iowa businesses included in this study in 1992, 37,447 (18.1%) had employees (Table 3). Women owned 9,416 of these firms with employees; men owned the other 28,031. Even though women owned 34.3 percent of the total firms in 1992, their share of the firms with employees was 25.1 percent. Among firms owned by women, about one in eight (13.3%) had employees; employer firms accounted for one of five (20.6%) businesses owned by men. Among Iowa's counties, employer firms ranged from less than 10 percent of all businesses owned by women in eight counties (Benton, Davis, Greene, Grundy, Guthrie, Johnson, Warren, Winnebago) to 20 percent or more in three others (Audubon, Dickinson, Monona).

Employer firms had \$26.2 billion in sales in 1992, of which \$5.3 billion came from women-owned businesses and \$20.9 billion was by those owned by men (Table 3). Regardless of ownership, employer firms generated a large majority (women, 88.0%; men, 87.6%) of all the sales of the Iowa businesses included in this survey. This pattern is also evident at the county level as women's employer firms had from 55 to 96 percent of sales and those with male ownership generated 63 to 96 percent of the revenue.

Nearly 281,000 persons were employed by these businesses in 1992, 23.1% (64,800) of them by female-owned firms. While nine counties of those for which data were reported had fewer than 100 employed in firms owned by women, Linn, Scott, and Story had at least 3,000 persons working in female-owned businesses. Much larger numbers of employees (for example: Black Hawk, 10,333; Linn, 23,171; Scott, 14,902) worked in male-owned firms among the counties reporting. The total payroll from employer businesses was \$4.0 billion in 1992, \$827 million (20.7%) from women-owned firms. Counties with larger populations and thus larger numbers of employees generated the highest payrolls.

Employer firms in Iowa averaged \$700,000 each in sales; county figures for sales per firm varied from less than \$200,000 (Greene) to more than \$1 million (Hamilton, Ida, Plymouth, Polk, Woodbury) (Table 4). Statewide, sales per firm averaged \$563,000 for women-owned businesses compared with \$746,000 for those owned by men. Among the reported counties, all had average sales above \$200,000 for men-owned firms, but in 20 counties the sales per firm were below that amount for businesses owned by women. Female-owned firms averaged 6.9 employees per firm with county figures ranging from less than 2 to more than 20 workers per business. Male-owned firms had a slightly higher (7.7) number of employees per business statewide, but the range across counties was similar to that for women.

The average pay statewide for a worker in a business owned by men was \$14,678, which was \$1,910 higher than the average of \$12,768 per employee in women-owned firms. Differences between male and female ownership in average pay are also apparent in the county figures. While pay per employee in male-owned firms was less than \$10,000 in only eight counties, pay averaged less than that amount for businesses owned by women in 40 counties. Also, while 15 counties reported average pay from firms owned by men of at least \$15,000, only four (Bremer, Clay, Des Moines, Hamilton) were at that level for women-owned businesses.

Similar differences between male and female ownership were shown in sales per employee. Iowa's women-owned firms had an average of \$81,800 in sales for each employee while men-owned businesses recorded nearly \$96,900 in sales for each worker. For 28 counties, sales per worker were below \$50,000 in firms owned by females but only Ringgold had sales per employee that low in firms owned by men. Finally, Iowa's businesses averaged \$6.56 of sales per \$1.00 of payroll in 1992, slightly higher (\$6.60) for male-owned than female-owned (\$6.41) firms. County figures for sales per payroll dollar ranged from less than \$3 to nearly \$15 for businesses owned by women and from less than \$5 to more than \$16 for those owned by men.

Note: Readers can review the original publication for further details (WOMEN-OWNED BUSINESSES, 1992 Economic Census, U.S. Bureau of the Census, WB92-1).

Food Stamps in Iowa's Counties:

1980-1995

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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 1995; 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 74,358 households received food stamps each month in 1995 (Table 1). This was a decrease of 3,903 from the 1994 figure, the second 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 10,429 households receiving food stamps each month in 1995, 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 42.7 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 15 counties averaged more households in the program in 1995 than in 1994. One (Sioux) increased by more than 20 households. Of the 83 counties with fewer households in the program in 1995 than in 1994, the largest decrease occurred in Polk (-715); seven other counties (Black Hawk, Dubuque, Lee, Linn, Pottawattamie, Scott, Woodbury) also had declines greater than 100.

A comparison of 1985 with 1995 indicates that Iowa averaged 3,124 fewer households in the program at the end of the period than at the beginning. Likewise, 63 counties had fewer households receiving food stamps in 1995 than in 1985; 20 decreased by more than 100 households. Black Hawk and Dubuque declined by at least 1,000 between those years. Of the 35 counties with higher averages in 1995 than in 1985, 12 counties gained at least 100. Only Pottawattamie and Scott reported at least 500 more households receiving food stamps in 1995 than in 1985, however.

An examination of the 16 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 the most recent comparison, however.

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	188	188	195	183	185	178	166	170	192	215	215	198	202	161	140	117
Adams	141	150	150	153	146	140	131	143	180	176	157	99	96	78	88	91
Allamakee	243	254	265	255	234	222	229	268	304	337	316	298	289	280	263	261
Appanoose	735	738	734	731	684	664	704	727	747	800	793	797	793	652	536	527
Audubon	111	122	115	130	120	112	109	118	139	153	148	115	116	118	127	121
Benton	417	450	482	515	484	489	447	457	510	523	527	531	575	517	411	339
Black Hawk	5052	5191	5206	5066	4961	5043	5200	5468	6119	6447	6108	6237	5998	5346	5112	4285
Boone	580	631	659	637	566	484	499	513	546	607	590	607	707	625	547	495
Bremer	296	357	351	303	322	313	304	352	438	499	458	410	379	350	314	249
Buchanan	424	466	486	506	553	536	546	600	706	749	719	689	701	545	507	405
Buena Vista	355	368	371	371	346	300	280	303	326	353	317	311	333	320	270	199
Butler	300	305	283	299	298	294	294	330	403	465	425	369	356	286	266	229
Calhoun	254	280	271	273	256	233	224	246	293	307	279	240	247	233	226	229
Carroll	354	364	369	350	340	347	361	345	389	399	390	348	351	336	301	271
Cass	366	398	391	365	331	312	298	287	318	358	362	336	336	327	342	301
Cedar	339	360	350	337	312	305	297	308	351	360	334	300	307	307	275	275
Cerro Gordo	1328	1420	1427	1396	1305	1224	1174	1165	1249	1296	1173	1131	1267	1188	1149	1039
Cherokee	221	230	236	227	213	201	205	226	268	287	260	245	252	233	218	210
Chickasaw	196	214	210	221	213	218	219	260	347	372	343	313	303	240	229	189
Clarke	314	323	320	315	275	252	230	253	279	292	274	251	268	253	203	180
Clay	375	398	416	430	427	413	405	434	499	524	500	453	461	413	398	356
Clayton	233	256	278	298	302	315	344	374	431	505	504	488	545	464	425	381
Clinton	1862	1921	1906	1836	1761	1682	1587	1604	1803	1922	1949	1762	1649	1340	1023	876
Crawford	455	459	418	398	398	394	376	379	374	385	362	359	384	332	288	265
Dallas	559	571	592	593	565	550	539	533	595	653	664	646	642	527	478	434
Davis	225	232	236	255	242	247	268	289	319	318	301	293	299	235	207	197
Decatur	458	486	455	423	392	365	349	354	349	365	344	327	319	283	271	262
Delaware	326	345	361	359	353	376	395	437	539	603	587	533	546	457	441	396
Des Moines	1521	1552	1557	1462	1384	1310	1272	1249	1285	1347	1378	1392	1448	1346	1291	1156
Dickinson	277	276	268	265	256	240	241	241	242	243	254	264	287	265	254	245
Dubuque	1652	1779	1868	1879	1840	1867	1917	2089	2439	2643	2652	2746	2896	2382	2055	1715
Emmet	277	306	320	339	342	324	285	277	303	343	321	279	319	285	243	227
Fayette	573	619	634	626	617	565	568	614	690	752	741	687	691	548	455	397
Floyd	472	516	497	491	457	459	443	457	515	523	518	507	562	483	427	408
Franklin	251	249	248	256	238	227	213	214	234	246	223	220	237	221	205	189
Fremont	266	278	255	244	219	209	215	210	218	217	208	191	180	157	164	170
Greene	245	244	231	222	225	200	190	198	218	248	272	260	267	252	229	213
Grundy	131	117	136	164	168	148	156	149	166	177	182	170	186	140	134	115
Guthrie	270	298	303	289	266	228	244	278	309	322	300	274	290	280	266	254
Hamilton	332	382	397	413	379	326	316	348	367	354	336	324	348	346	372	367
Hancock	190	217	234	229	223	222	198	206	232	244	207	177	222	212	188	190
Hardin	491	552	522	485	429	391	385	413	434	430	363	317	333	333	308	274
Harrison	435	451	471	480	444	416	412	427	433	429	446	441	446	398	365	363
Henry	472	504	471	458	430	385	347	328	324	343	356	352	373	324	303	296
Howard	191	213	218	214	206	220	229	234	285	328	304	289	282	217	214	221
Humboldt	223	228	251	244	228	228	221	233	242	240	238	201	200	185	217	190
Ida	120	112	113	109	110	92	87	94	109	123	109	98	107	106	93	95
Iowa	178	193	177	173	159	151	136	147	180	185	180	146	169	168	145	141
Jackson	537	574	563	536	535	519	529	585	655	701	650	606	597	506	412	380
Jasper	650	699	758	740	723	641	626	667	758	837	838	886	962	924	850	703

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	549	576	574	551	526	484	463	435	442	437	451	466	457	428	368	331
Johnson	1360	1344	1323	1269	1141	998	946	917	934	943	917	937	1010	999	940	781
Jones	367	372	386	355	337	321	348	372	420	447	440	431	462	410	395	324
Keokuk	324	332	355	340	353	330	299	295	322	356	308	281	287	239	234	217
Kossuth	316	340	349	361	334	304	294	302	347	355	316	263	298	294	279	256
Lee	1287	1397	1435	1418	1367	1268	1232	1295	1434	1484	1458	1477	1561	1393	1238	1026
Linn	4462	4741	4628	4518	4343	4029	3927	4083	4614	4850	4842	5023	5236	4737	4307	3541
Louisa	345	347	343	341	318	275	258	282	311	336	318	324	331	283	265	268
Lucas	376	398	362	344	338	316	313	331	361	377	389	380	386	367	334	316
Lyon	152	156	158	150	132	135	135	150	181	191	187	163	161	141	128	113
Madison	233	243	253	242	231	210	217	214	239	260	261	253	261	232	201	182
Mahaska	646	669	689	697	688	662	632	611	676	748	726	723	764	678	616	547
Marion	631	666	664	622	575	519	498	532	608	646	625	658	678	548	485	452
Marshall	1196	1250	1287	1261	1150	1038	1014	1039	1112	1136	1072	1093	1131	1019	850	723
Mills	345	364	346	326	316	280	241	251	267	261	246	250	256	250	224	206
Mitchell	134	155	165	180	166	156	165	186	197	217	212	201	231	205	190	164
Monona	314	328	330	345	327	304	302	307	352	384	349	325	329	314	278	278
Monroe	312	313	315	306	301	306	329	358	365	385	336	308	308	266	228	206
Montgomery	373	367	341	346	300	266	263	256	278	292	304	282	296	266	243	217
Muscatine	1303	1314	1287	1294	1227	1183	1119	1141	1292	1320	1277	1174	1189	1068	989	988
O'Brien	210	209	210	222	189	180	174	220	272	289	256	247	249	214	203	188
Osceola	103	100	101	93	96	90	95	105	133	157	136	100	96	79	68	70
Page	502	552	543	538	539	494	480	493	518	541	532	492	495	434	412	382
Palo Alto	263	294	294	296	279	255	241	254	302	318	319	292	315	304	278	261
Plymouth	282	279	274	270	263	255	276	318	362	401	384	345	349	325	310	276
Pocahontas	205	212	216	220	208	178	141	148	189	208	178	166	169	154	145	140
Polk	10429	11144	11342	10793	10006	9123	8726	8739	9156	9753	9996	10506	11634	10432	9663	8470
Pottawattamie	2888	3144	3147	3038	2834	2520	2344	2259	2218	2197	2252	2340	2580	2525	2524	2373
Poweshiek	359	371	368	364	352	307	262	287	336	379	378	347	340	299	279	239
Ringgold	177	192	199	185	181	176	177	193	208	194	215	203	187	165	151	148
Sac	246	230	216	226	219	197	203	197	222	244	234	243	228	218	186	168
Scott	6364	6623	6512	6131	5747	5403	5172	5306	5668	5665	5543	5512	5573	4802	3865	3319
Shelby	242	236	235	223	211	189	161	174	212	217	222	222	223	202	179	170
Sioux	262	235	218	248	248	254	280	286	337	375	312	286	301	277	257	261
Story	1091	1109	1070	1057	958	874	821	773	830	831	875	890	935	819	740	659
Tama	286	332	357	391	364	335	321	344	397	406	382	375	387	339	358	341
Taylor	211	209	206	192	195	188	176	184	223	243	251	231	232	199	185	188
Union	485	488	466	451	448	436	421	403	440	472	478	453	421	347	342	301
Van Buren	178	182	209	204	208	198	194	212	231	240	234	233	232	191	166	174
Wapello	1851	1856	1843	1846	1752	1668	1686	1767	1981	2007	1768	1706	1740	1428	1294	1164
Warren	602	698	729	706	666	603	568	563	583	604	614	596	611	523	508	456
Washington	358	376	369	365	359	343	319	331	350	347	299	257	236	243	241	222
Wayne	247	241	249	243	230	223	223	241	268	293	305	282	280	236	203	204
Webster	1544	1614	1694	1651	1593	1478	1456	1442	1587	1589	1438	1411	1442	1296	1177	1048
Winnebago	198	216	226	216	208	187	167	160	181	191	179	325	194	183	184	170
Winneshiek	266	300	305	295	279	273	284	326	383	429	410	371	369	336	345	283
Woodbury	2584	2819	3049	3182	3069	2847	2729	2889	3313	3283	3259	3268	3146	2940	2861	2698
Worth	130	154	176	189	178	180	164	175	195	196	184	184	200	181	170	154
Wright	312	341	328	330	306	296	269	285	316	360	353	326	333	300	311	304

State of Iowa 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, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	455	458	487	452	464	447	399	427	539	644	667	587	592	469	403	344
Adams	362	402	407	436	395	379	340	376	522	522	460	282	274	197	222	241
Allamakee	611	661	676	634	609	560	594	722	841	965	888	832	813	785	721	724
Appanoose	1783	1808	1853	1865	1742	1677	1753	1870	2006	2211	2211	2263	2311	1944	1591	1542
Audubon	290	332	323	370	334	323	308	342	428	479	457	330	334	313	332	302
Benton	1125	1210	1311	1368	1268	1269	1139	1166	1363	1408	1405	1454	1582	1421	1104	901
Black Hawk	11826	12430	12517	12190	12002	11989	12398	13194	15165	16031	15262	15476	14359	12272	11236	10016
Boone	1405	1514	1562	1544	1412	1196	1246	1301	1417	1559	1530	1580	1859	1639	1382	1256
Bremer	760	937	930	786	836	779	760	934	1258	1514	1365	1214	1116	970	841	630
Buchanan	1195	1358	1395	1428	1515	1434	1473	1709	2081	2329	2200	2062	2071	1582	1387	1103
Buena Vista	902	935	947	962	929	795	766	813	913	999	874	885	940	929	739	547
Butler	776	805	713	798	809	789	793	906	1147	1331	1206	1038	1019	803	718	603
Calhoun	600	656	654	677	624	585	566	639	807	862	742	595	617	577	565	553
Carroll	884	923	932	863	862	869	894	851	1030	1124	1090	944	931	902	803	699
Cass	969	1090	1056	992	892	830	781	755	876	992	986	851	891	859	887	741
Cedar	811	910	899	857	814	783	764	804	943	971	903	823	856	819	692	696
Cerro Gordo	3057	3269	3287	3211	2988	2821	2678	2707	2935	3123	2877	2810	3186	2915	2772	2558
Cherokee	508	569	598	585	556	523	509	552	693	768	683	622	646	580	506	483
Chickasaw	514	574	558	601	564	571	590	717	982	1102	1017	937	930	699	610	497
Clarke	829	864	848	844	749	678	618	713	808	847	803	727	771	733	561	511
Clay	816	925	990	1041	1037	978	970	1036	1238	1338	1309	1187	1188	1068	992	861
Clayton	621	709	762	803	803	853	936	1022	1237	1481	1465	1399	1548	1274	1101	983
Clinton	4356	4603	4608	4378	4257	4089	3935	4003	4492	5013	5158	4688	4549	3664	2720	2413
Crawford	1180	1203	1091	1018	1029	1021	942	975	1024	1047	985	968	1049	870	704	618
Dallas	1445	1512	1525	1543	1474	1400	1345	1366	1582	1806	1882	1790	1839	1480	1290	1162
Davis	522	566	582	640	601	617	680	790	912	958	907	896	923	692	582	551
Decatur	1025	1105	1050	977	918	850	833	883	900	978	909	858	838	761	708	648
Delaware	882	937	992	952	914	984	1074	1240	1595	1837	1754	1530	1597	1324	1227	1112
Des Moines	3654	3828	3860	3624	3483	3348	3215	3142	3321	3547	3658	3666	3919	3550	3396	3025
Dickinson	618	629	612	609	616	570	636	642	642	650	684	694	774	708	630	579
Dubuque	3992	4389	4597	4608	4422	4528	4705	5214	6217	6867	7048	7311	7728	6174	5139	4383
Emmet	668	768	817	865	823	810	770	777	897	1027	946	840	957	793	649	625
Fayette	1450	1631	1694	1696	1628	1495	1529	1684	1960	2223	2137	1833	1984	1510	1170	977
Floyd	1250	1417	1331	1329	1238	1216	1173	1214	1432	1542	1553	1500	1715	1445	1243	1158
Franklin	638	646	637	669	624	592	550	552	625	703	599	590	665	603	545	495
Fremont	668	734	662	638	567	544	564	554	590	617	587	544	529	449	443	449
Greene	637	658	644	599	599	511	475	500	582	677	740	699	735	674	601	552
Grundy	345	320	414	454	440	384	388	374	457	489	507	477	526	388	342	292
Guthrie	695	780	807	766	707	595	630	720	868	930	883	811	870	802	726	631
Hamilton	771	940	969	995	943	789	764	858	954	960	880	829	932	906	951	933
Hancock	488	590	652	673	637	631	538	573	669	730	620	516	681	632	536	569
Hardin	1195	1389	1321	1246	1097	975	951	1056	1109	1127	954	841	885	862	784	645
Harrison	1134	1206	1250	1280	1212	1129	1124	1120	1187	1207	1258	1229	1268	1122	945	906
Henry	1114	1232	1209	1174	1120	990	889	820	851	954	1027	996	1062	896	820	796
Howard	477	574	575	535	501	535	556	593	774	918	841	782	761	550	472	486
Humboldt	513	542	590	587	538	527	506	597	660	679	668	579	575	501	548	477
Ida	315	290	320	302	307	222	215	248	308	353	305	269	281	292	231	236
Iowa	472	511	469	457	432	403	352	389	489	540	519	408	467	472	394	355
Jackson	1333	1482	1476	1448	1451	1416	1443	1643	1961	2194	1970	1860	1834	1501	1150	1073
Jasper	1514	1645	1812	1749	1693	1515	1501	1632	1912	2197	2229	2329	2594	2431	2175	1829

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	1181	1301	1313	1279	1198	1096	1045	1004	1849	1119	1117	1154	1195	1125	912	839
Johnson	3026	3010	2977	2826	2544	2263	2110	2078	2105	2131	2071	2040	2217	2132	1999	1705
Jones	964	983	1019	940	908	830	905	994	1184	1315	1257	1214	1316	1188	1049	914
Keokuk	850	891	948	921	980	906	853	855	960	1081	944	843	845	699	672	614
Kossuth	841	937	961	974	884	790	758	806	998	1061	909	741	857	816	757	643
Lee	3157	3562	3681	3583	3398	3118	3076	3215	3572	3777	3772	3868	4087	3579	3050	2648
Linn	10139	10955	10787	10637	10247	9451	9170	9800	11065	11717	11746	12203	12961	11584	10263	8603
Louisa	878	899	886	896	855	745	709	752	857	957	918	965	968	812	759	741
Lucas	898	935	856	834	794	738	726	773	876	988	1038	1026	1064	955	833	803
Lyon	425	461	461	460	397	411	412	446	560	627	597	515	515	458	375	291
Madison	587	642	667	643	623	554	576	553	651	742	732	712	766	667	543	468
Mahaska	1511	1609	1684	1724	1726	1632	1578	1546	1813	2013	1974	1942	2088	1833	1599	1428
Marion	1561	1682	1676	1575	1459	1344	1314	1442	1668	1838	1791	1865	1945	1562	1348	1292
Marshall	2810	3012	3023	2953	2716	2483	2403	2498	2771	2794	2695	2804	2856	2522	2153	1875
Mills	953	998	932	906	870	757	657	717	800	796	767	771	845	783	682	594
Mitchell	308	377	416	468	427	387	406	478	527	578	584	539	659	606	535	457
Monona	754	850	879	944	906	819	809	806	961	1092	966	902	956	921	743	712
Monroe	789	831	823	784	769	787	820	919	965	1061	908	844	849	705	569	524
Montgomery	948	932	869	872	750	652	634	610	691	738	791	718	766	695	612	539
Muscatine	3419	3531	3561	3600	3413	3262	3069	3102	3531	3602	3502	3225	3278	2915	2624	2672
O'Brien	562	564	573	592	464	443	421	557	733	812	720	716	691	539	480	426
Osceola	275	265	266	249	263	230	248	281	395	509	444	306	305	245	204	200
Page	1178	1295	1294	1326	1363	1233	1247	1246	1329	1436	1426	1309	1396	1194	1036	920
Palo Alto	523	617	641	674	661	626	590	620	795	883	873	786	877	828	735	701
Plymouth	665	661	650	680	688	706	761	896	1056	1232	1133	994	993	911	864	740
Pocahontas	501	526	535	544	528	423	353	386	532	609	525	471	515	454	406	390
Polk	25001	27254	27498	26387	24392	22267	21124	21199	22402	23914	24702	26324	29432	26502	24427	21586
Pottawattamie	7498	8264	8363	8150	7588	6682	6181	5962	6029	6124	6264	6554	7407	7137	6905	6432
Poweshiek	884	946	946	930	893	775	657	736	901	1055	1073	934	972	819	742	637
Ringgold	464	511	531	494	480	467	468	542	608	559	623	553	511	423	377	372
Sac	634	603	590	611	603	559	548	529	632	715	677	685	651	597	451	400
Scott	15832	16632	16474	15903	14971	14041	13471	13856	14735	14917	14735	14656	14678	12579	10217	9150
Shelby	669	631	658	657	597	532	443	503	632	665	636	618	614	541	446	433
Sioux	738	656	610	706	712	770	858	885	1084	1205	1001	897	935	846	733	742
Story	2445	2504	2422	2318	2092	1907	1837	1812	2039	2029	2108	2140	2308	2016	1799	1597
Tama	783	914	987	1098	1009	876	825	923	1144	1210	1151	1141	1170	1014	1018	936
Taylor	568	554	560	519	565	548	518	529	652	759	776	702	698	591	532	547
Union	1136	1188	1203	1153	1152	1100	1065	1039	1160	1251	1276	1221	1137	899	880	757
Van Buren	475	493	590	568	575	544	526	611	669	724	707	723	733	594	512	507
Wapello	4228	4327	4361	4365	4197	3935	3967	4376	5039	5224	4472	4419	4541	3700	3337	2980
Warren	1488	1739	1828	1764	1638	1485	1428	1446	1546	1685	1741	1683	1724	1472	1410	1229
Washington	912	969	960	968	944	908	886	928	989	1005	875	751	680	675	641	577
Wayne	643	648	694	680	630	631	599	699	753	819	847	799	750	662	547	545
Webster	3593	3818	4036	3884	3750	3492	3462	3502	3914	4088	3790	3703	3884	3477	3122	2805
Winnebago	491	525	534	528	519	476	400	389	460	505	460	442	493	477	476	430
Winneshiek	646	758	796	760	716	704	747	875	1060	1220	1147	987	963	843	857	746
Woodbury	6529	7247	8044	8581	8319	7646	7229	7728	9053	8842	8785	8840	8759	8049	7597	7145
Worth	309	363	449	445	412	407	354	401	484	521	476	499	557	515	477	425
Wright	775	859	829	853	796	733	622	643	766	873	859	806	860	779	793	792
State of Iowa	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, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	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	8.0	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	4.3	4.7	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	13.0	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	4.2	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	4.7	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	9.6	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	5.5	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	3.3	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	5.6	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	4.5	4.6	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	4.9	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	5.6	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	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	6.4	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	4.6	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	6.6	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	3.7	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	3.8	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	10.2	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	4.7	5.3	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	3.8	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	8.6	9.0	9.0	8.5	8.4	8.0	7.7	7.8	8.7	9.6	9.6	8.6	8.2	6.5	4.8	4.2
Crawford	7.2	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	4.4	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	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	12.5	13.7	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	4.8	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	8.6	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	3.9	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	4.5	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	6.0	6.8	7.2	7.5	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	6.7	7.5	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
Floyd	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	5.7	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	8.2	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	6.3	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	2.6	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	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	4.8	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	4.9	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	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	7.5	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	5.6	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	4.8	5.8	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	5.0	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	3.8	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	3.1	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	6.6	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	4.3	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

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1995
(continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	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	3.0	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	4.8	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	7.4	7.7	8.2	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	4.6	5.2	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	8.1	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	5.7	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	7.4	7.7	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	10.0	10.4	9.5	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	3.6	3.9	3.9	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	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	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	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	7.3	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	6.9	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	2.8	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
Monona	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	9.6	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	7.9	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	8.3	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	3.7	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	3.7	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	7.1	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	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	2.7	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	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	7.2	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	9.0	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	4.6	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	8.6	9.5	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	5.2	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	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	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	2.4	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	3.3	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	4.4	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	7.9	7.8	7.9	7.4	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	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	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	11.8	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	3.8	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	4.4	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	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	9.2	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	4.4	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	3.1	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	6.4	7.2	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	3.9	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	5.4	6.1	5.9	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	6.4	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 Benefit (in \$1,000) in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	328	319	349	319	296	261	220	218	264	321	341	287	274	209	180	126
Adams	255	265	283	298	266	220	187	207	281	276	242	132	120	77	94	80
Allamakee	435	459	461	421	379	323	313	368	425	487	444	389	380	355	315	257
Appanoose	1336	1318	1337	1384	1202	1078	1036	1054	1049	1103	1130	1096	1109	885	712	541
Audubon	202	214	211	239	217	190	168	195	226	247	225	150	157	139	143	108
Benton	826	875	941	965	877	807	661	647	701	707	730	734	781	644	529	327
Black Hawk	9164	9272	9275	9050	8368	7808	7463	7758	8453	8668	8394	8433	7683	6447	6055	4153
Boone	1116	1183	1220	1202	1000	761	720	751	767	804	802	823	942	803	688	467
Bremer	555	649	630	544	552	489	427	514	644	758	689	614	550	455	407	236
Buchanan	859	936	947	1009	1040	908	855	966	1115	1208	1169	1072	1006	717	643	401
Buena Vista	671	649	670	689	611	491	419	427	449	498	436	424	441	421	334	191
Butler	539	529	462	537	536	473	430	473	573	651	599	508	477	359	333	210
Calhoun	417	448	440	457	398	338	313	334	403	417	368	278	277	252	248	191
Carroll	599	627	630	587	554	512	478	441	497	525	508	416	414	393	344	242
Cass	699	734	728	703	606	516	445	421	450	489	505	408	410	395	392	255
Cedar	621	659	673	626	559	503	456	466	524	516	482	431	429	405	340	280
Cerro Gordo	2276	2337	2368	2336	2088	1808	1576	1511	1555	1574	1446	1386	1557	1362	1298	932
Cherokee	383	409	417	419	370	318	282	298	363	374	322	285	292	237	201	148
Chickasaw	345	378	373	387	365	339	315	381	505	550	507	450	436	305	271	161
Clarke	647	648	606	600	513	433	354	403	430	444	426	362	384	341	268	200
Clay	580	612	640	697	657	581	524	528	601	656	650	553	555	479	447	307
Clayton	440	488	498	550	514	502	503	540	625	737	740	674	762	605	510	388
Clinton	3459	3546	3543	3461	3186	2807	2485	2424	2595	2771	2884	2518	2330	1743	1316	950
Crawford	876	863	776	743	695	627	530	533	525	529	490	451	486	393	305	219
Dallas	1196	1175	1181	1186	1050	925	818	781	856	917	960	906	891	671	575	412
Davis	391	424	428	461	411	394	386	431	478	496	452	434	426	303	263	193
Decatur	710	763	715	660	581	496	442	442	432	461	436	395	379	316	293	216
Delaware	610	590	620	627	582	585	592	660	817	936	880	758	770	597	570	402
Des Moines	2924	2916	2945	2763	2517	2230	1943	1795	1811	1842	1941	1914	1943	1716	1631	1172
Dickinson	469	456	430	422	403	337	348	346	310	306	329	312	344	310	270	197
Dubuque	2939	3128	3292	3344	3064	2869	2735	2907	3322	3529	3677	3810	3952	2947	2503	1702
Emmet	481	529	556	602	565	515	427	401	440	491	464	392	411	334	280	207
Fayette	1004	1077	1113	1110	1016	857	805	872	995	1096	1069	922	909	676	529	350
Floyd	892	963	894	872	773	707	604	616	711	731	737	679	760	619	535	386
Franklin	445	434	431	460	422	381	317	301	310	345	278	260	291	238	225	168
Fremont	485	493	429	414	357	316	289	283	289	284	285	250	238	192	179	151
Greene	458	442	439	413	392	303	260	260	271	304	352	315	330	297	257	183
Grundy	264	228	302	340	317	244	220	212	241	248	255	224	250	171	156	106
Guthrie	487	524	542	526	448	345	344	380	433	457	444	386	397	347	305	215
Hamilton	584	662	702	724	638	477	414	475	508	489	445	399	429	409	414	330
Hancock	345	405	435	458	394	354	280	299	324	357	301	230	298	275	230	199
Hardin	871	991	928	836	685	587	515	546	563	563	482	394	409	380	333	215
Harrison	783	800	822	869	774	668	604	583	578	567	605	552	553	468	389	312
Henry	848	883	875	834	737	624	506	467	443	474	513	489	504	407	391	289
Howard	315	378	372	352	307	299	292	310	393	464	414	376	368	256	195	164
Humboldt	356	353	398	390	335	297	262	310	321	313	330	253	258	219	249	174
Ida	212	188	201	196	187	119	107	126	145	162	143	118	121	123	99	80
Iowa	329	350	319	312	285	253	205	210	257	276	262	198	230	212	181	136
Jackson	964	1047	1032	1017	988	879	825	907	1032	1116	1014	921	889	678	522	374
Jasper	1166	1199	1340	1294	1172	969	861	916	1014	1117	1126	1155	1286	1161	1040	699

Table 4. Total Annual Food Stamp Benefit (in \$1,000) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	980	1030	1040	985	890	731	637	609	589	596	606	601	588	532	439	309
Johnson	2582	2431	2371	2225	1852	1500	1298	1246	1214	1152	1140	1090	1162	1090	1049	680
Jones	747	706	724	672	605	512	519	559	626	677	668	611	646	559	493	346
Keokuk	618	597	655	661	668	567	492	467	486	526	481	406	388	310	286	209
Kossuth	575	624	633	645	577	465	392	415	487	509	439	333	373	340	329	219
Lee	2390	2637	2757	2696	2455	2071	1870	1909	2019	2039	2074	2044	2124	1751	1508	1028
Linn	8207	8518	8361	8202	7516	6418	5709	5893	6340	6453	6582	6722	6927	5994	5460	3556
Louisa	691	675	657	662	598	491	424	437	464	494	488	484	459	374	328	272
Lucas	670	665	601	590	527	469	426	424	459	500	522	501	516	461	388	280
Lyon	278	283	287	279	224	218	200	222	269	296	272	218	229	199	169	106
Madison	447	449	478	459	419	355	338	315	343	374	375	338	367	297	238	160
Mahaska	1123	1159	1196	1218	1159	1020	903	844	959	998	989	925	1020	863	765	551
Marion	1186	1232	1262	1171	1018	855	765	810	889	968	955	945	947	737	627	480
Marshall	2196	2244	2277	2218	1924	1646	1473	1466	1511	1482	1448	1440	1435	1216	1035	725
Mills	753	758	685	643	582	480	388	405	415	387	391	366	385	344	301	213
Mitchell	206	246	279	324	265	220	210	243	264	285	281	253	304	260	224	149
Monona	525	572	593	634	586	480	429	415	462	521	470	405	433	409	323	244
Monroe	559	577	572	558	524	497	477	517	528	566	484	432	424	321	258	189
Montgomery	694	649	615	631	517	401	351	327	348	355	400	352	371	329	277	195
Muscatine	2761	2719	2652	2658	2414	2158	1849	1804	1959	1965	1947	1711	1678	1463	1274	1077
O'Brien	374	338	351	363	279	247	220	279	351	372	332	303	295	240	213	154
Osceola	188	179	173	170	168	134	128	141	193	253	238	151	141	106	85	69
Page	820	853	868	879	842	713	673	645	643	688	685	620	630	511	442	317
Palo Alto	349	396	437	455	410	344	300	314	392	425	425	355	397	358	320	238
Plymouth	443	420	416	437	413	391	393	459	536	610	539	457	461	415	397	281
Pocahontas	333	338	347	373	337	248	194	200	264	301	246	207	216	196	173	137
Polk	21484	22643	23693	21300	18647	15570	13413	12840	12646	12987	13553	14026	15501	13618	12672	8884
Pottawattamie	6100	6443	6453	6282	5610	4557	3832	3552	3292	3205	3322	3311	3655	3357	3233	2423
Poweshiek	684	696	700	684	613	480	378	409	463	512	541	472	471	390	353	241
Ringgold	316	327	351	330	310	267	251	283	293	262	307	262	232	187	157	122
Sac	432	396	377	408	381	316	276	250	290	336	314	308	290	244	185	127
Scott	13318	13465	13338	12767	11283	9912	8763	8652	8704	8457	8410	8127	7966	6698	5430	3920
Shelby	476	442	437	430	388	315	239	269	314	321	309	293	295	245	207	157
Sioux	479	400	367	428	408	393	408	418	475	546	437	373	394	352	305	254
Story	2168	2143	1988	1835	1521	1278	1152	1077	1110	1046	1121	1082	1129	955	871	632
Tama	572	631	685	783	687	556	483	519	590	634	572	545	544	453	451	331
Taylor	373	372	374	355	346	298	253	259	307	344	385	321	297	240	200	173
Union	858	842	830	811	767	673	589	547	577	617	649	605	543	413	390	268
Van Buren	341	349	411	399	386	333	293	328	335	357	366	353	353	282	229	185
Wapello	3136	3148	3166	3180	2898	2542	2400	2514	2741	2707	2344	2233	2180	1688	1499	1039
Warren	1178	1323	1396	1325	1150	986	862	842	828	869	916	844	836	690	659	453
Washington	669	683	674	698	635	565	518	532	529	516	455	380	303	297	298	211
Wayne	437	418	451	446	390	363	319	356	356	400	436	368	349	293	235	188
Webster	2732	2809	2972	2863	2593	2226	2013	1965	2054	2064	1922	1830	1838	1590	1416	984
Winnebago	340	362	371	360	331	281	217	203	214	237	215	195	223	196	204	152
Winneshiek	428	493	528	505	452	414	405	469	543	596	559	458	448	381	391	271
Woodbury	5040	5274	5845	6208	5677	4810	4133	4280	4730	4430	4515	4367	4263	3760	3536	2669
Worth	223	260	319	315	272	250	196	212	256	260	240	232	263	239	223	152
Wright	558	608	590	589	545	474	372	356	393	473	474	410	427	364	364	298
State of Iowa	141193		147823		129308		99383		106361		108561		105605		79904	
		145639		143810		111612		100189		109618		103582		89346		56720

Table 5. Adjusted Total Annual Food Stamp Benefit (in 1995 \$1,000) in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	328	328	368	346	330	303	269	279	352	443	478	416	411	323	295	228
Adams	255	273	298	323	297	255	228	265	374	381	339	191	180	119	154	144
Allamakee	435	472	486	456	423	375	382	471	566	672	622	564	570	549	516	464
Appanoose	1336	1355	1410	1500	1341	1251	1265	1350	1397	1521	1583	1589	1664	1368	1166	977
Audubon	202	220	222	259	242	220	205	250	301	341	315	218	236	215	234	195
Benton	826	900	992	1046	978	937	807	828	933	975	1022	1064	1172	995	867	591
Black Hawk	9164	9535	9779	9811	9335	9061	9116	9934	11256	11957	11757	12230	11525	9965	9920	7501
Boone	1116	1217	1286	1303	1116	883	879	962	1021	1109	1123	1194	1413	1241	1127	843
Bremer	555	667	664	590	616	567	522	658	858	1046	965	890	825	703	667	426
Buchanan	859	963	998	1094	1160	1054	1044	1237	1485	1666	1637	1555	1509	1108	1053	724
Buena Vista	671	667	706	747	682	570	512	547	598	687	611	615	662	651	547	345
Butler	539	544	487	582	598	549	525	606	763	898	839	737	716	555	546	379
Calhoun	417	461	464	495	444	392	382	428	537	575	515	403	416	390	406	345
Carroll	599	645	664	636	618	594	584	565	662	724	712	603	621	607	564	437
Cass	699	755	768	762	676	599	544	539	599	675	707	592	615	611	642	461
Cedar	621	678	710	679	624	584	557	597	698	712	675	625	644	626	557	506
Cerro Gordo	2276	2403	2497	2532	2329	2098	1925	1935	2071	2171	2025	2010	2336	2105	2126	1683
Cherokee	383	421	440	454	413	369	344	382	483	516	451	413	438	366	329	267
Chickasaw	345	389	393	420	407	393	385	488	672	759	710	653	654	471	444	291
Clarke	647	666	639	650	572	503	432	516	573	612	597	525	576	527	439	361
Clay	580	629	675	756	733	674	640	676	800	905	910	802	833	740	732	554
Clayton	440	502	525	596	573	583	614	691	832	1017	1036	977	1143	935	836	701
Clinton	3459	3647	3736	3752	3554	3258	3035	3104	3456	3822	4039	3652	3495	2694	2156	1716
Crawford	876	887	818	805	775	728	647	682	699	730	686	654	729	607	500	396
Dallas	1196	1208	1245	1286	1171	1073	999	1000	1140	1265	1345	1314	1337	1037	942	744
Davis	391	436	451	500	458	457	472	552	637	684	633	629	639	468	431	349
Decatur	710	785	754	715	648	576	540	566	575	636	611	573	569	488	480	390
Delaware	610	607	654	680	649	679	723	845	1088	1291	1233	1099	1155	923	934	726
Des Moines	2924	2999	3105	2995	2808	2588	2373	2298	2412	2541	2719	2776	2915	2652	2672	2117
Dickinson	469	469	453	457	450	391	425	443	413	422	461	452	516	479	442	356
Dubuque	2939	3217	3471	3625	3418	3330	3341	3722	4424	4868	5150	5525	5928	4555	4101	3074
Emmet	481	544	586	653	630	598	522	513	586	677	650	569	617	516	459	374
Fayette	1004	1108	1174	1203	1133	995	983	1117	1325	1512	1497	1337	1364	1045	867	632
Floyd	892	990	943	945	862	820	738	789	947	1008	1032	985	1140	957	876	697
Franklin	445	446	454	499	471	442	387	385	413	476	389	377	437	368	369	303
Fremont	485	507	452	449	398	367	353	362	385	392	399	363	357	297	293	273
Greene	458	455	463	448	437	352	318	333	361	419	493	457	495	459	421	331
Grundy	264	234	318	369	354	283	269	271	321	342	357	325	375	264	256	191
Guthrie	487	539	571	570	500	400	420	487	577	630	622	560	596	536	500	388
Hamilton	584	681	740	785	712	554	506	608	676	675	623	579	644	632	678	596
Hancock	345	416	459	497	440	411	342	383	431	492	422	334	447	425	377	359
Hardin	871	1019	978	906	764	681	629	699	750	777	675	571	614	587	546	388
Harrison	783	823	867	942	863	775	738	746	770	782	847	801	830	723	637	563
Henry	848	908	923	904	822	724	618	598	590	654	719	709	756	629	641	522
Howard	315	389	392	382	342	347	357	397	523	640	580	545	552	396	319	296
Humboldt	356	363	420	423	374	345	320	397	427	432	462	367	387	339	408	314
Ida	212	193	212	212	209	138	131	161	193	223	200	171	182	190	162	144
Iowa	329	360	336	338	318	294	250	269	342	381	367	287	345	328	297	246
Jackson	964	1077	1088	1103	1102	1020	1008	1161	1374	1539	1420	1336	1334	1048	855	675
Jasper	1166	1233	1413	1403	1307	1125	1052	1173	1350	1541	1577	1675	1929	1795	1704	1262

Table 5. Adjusted Total Annual Food Stamp Benefit (in 1995 \$1,000) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	980	1059	1097	1068	993	848	778	780	784	822	849	872	882	822	719	558
Johnson	2582	2500	2500	2412	2066	1741	1586	1595	1617	1589	1597	1581	1743	1685	1719	1228
Jones	747	726	763	729	675	594	634	716	834	934	936	886	969	864	808	625
Keokuk	618	614	691	717	745	658	601	598	647	726	674	589	582	479	469	377
Kossuth	575	642	667	699	644	540	479	531	649	702	615	483	560	526	539	396
Lee	2390	2712	2907	2923	2739	2403	2284	2444	2689	2813	2905	2964	3186	2707	2471	1857
Linn	8207	8760	8816	8892	8384	7448	6974	7546	8443	8901	9219	9749	10391	9265	8945	6422
Louisa	691	694	693	718	667	570	518	560	618	681	684	702	689	578	537	491
Lucas	670	684	634	640	588	544	520	543	611	690	731	727	774	713	636	506
Lyon	278	291	303	302	250	253	244	284	358	408	381	316	344	308	277	191
Madison	447	462	504	498	467	412	413	403	457	516	525	490	551	459	390	289
Mahaska	1123	1192	1261	1320	1293	1184	1103	1081	1277	1377	1385	1341	1530	1334	1253	995
Marion	1186	1267	1331	1269	1136	992	934	1037	1184	1335	1338	1370	1421	1139	1027	867
Marshall	2196	2308	2401	2404	2146	1910	1799	1877	2012	2044	2028	2088	2153	1880	1696	1309
Mills	753	779	722	697	649	557	474	519	553	534	548	531	578	532	493	385
Mitchell	206	253	294	351	296	255	257	311	352	393	394	367	456	402	367	269
Monona	525	588	625	687	654	557	524	531	615	719	658	587	650	632	529	441
Monroe	559	593	603	605	585	577	583	662	703	781	678	627	636	496	423	341
Montgomery	694	667	648	684	577	465	429	419	463	490	560	510	557	509	454	352
Muscatine	2761	2796	2796	2881	2693	2504	2259	2310	2609	2711	2727	2481	2517	2261	2087	1945
O'Brien	374	348	370	394	311	287	269	357	467	513	465	439	443	371	349	278
Osceola	188	184	182	184	187	156	156	181	257	349	333	219	212	164	139	125
Page	820	877	915	953	939	827	822	826	856	949	959	899	945	790	724	573
Palo Alto	349	407	461	493	457	399	366	402	522	586	595	515	596	553	524	430
Plymouth	443	432	439	474	461	454	480	588	714	841	755	663	692	641	650	508
Pocahontas	333	348	366	404	376	288	237	256	352	415	345	300	324	303	283	247
Polk	21484	23285	24981	23091	20801	18069	16384	16441	16840	17914	18983	20341	23252	21050	20760	16045
Pottawattamie	6100	6626	6804	6810	6258	5288	4681	4548	4384	4421	4653	4802	5483	5189	5297	4376
Poweshiek	684	716	738	742	684	557	462	524	617	706	758	685	707	603	578	435
Ringgold	316	336	370	358	346	310	307	362	390	361	430	380	348	289	257	220
Sac	432	407	397	442	425	367	337	320	386	463	440	447	435	377	303	229
Scott	13318	13847	14063	13840	12587	11503	10704	11078	11591	11666	11779	11786	11949	10353	8896	7080
Shelby	476	455	461	466	433	366	292	344	418	443	433	425	443	379	339	284
Sioux	479	411	387	464	455	456	498	535	633	753	612	541	591	544	500	459
Story	2168	2204	2096	1989	1697	1483	1407	1379	1478	1443	1570	1569	1694	1476	1427	1141
Tama	572	649	722	849	766	645	590	665	786	875	801	790	816	700	739	598
Taylor	373	383	394	385	386	346	309	332	409	475	539	466	446	371	328	312
Union	858	866	875	879	856	781	719	700	768	851	909	877	815	638	639	484
Van Buren	341	359	433	433	431	386	358	420	446	492	513	512	530	436	375	334
Wapello	3136	3237	3338	3447	3233	2950	2932	3219	3650	3734	3283	3238	3270	2609	2456	1877
Warren	1178	1361	1472	1436	1283	1144	1053	1078	1103	1199	1283	1224	1254	1067	1080	818
Washington	669	702	711	757	708	656	633	681	704	712	637	551	455	459	488	381
Wayne	437	430	476	484	435	421	390	456	474	552	611	534	524	453	385	340
Webster	2732	2889	3134	3104	2893	2583	2459	2516	2735	2847	2692	2654	2757	2458	2320	1777
Winnebago	340	372	391	390	369	326	265	260	285	327	301	283	335	303	334	275
Winneshiek	428	507	557	547	504	480	495	601	723	822	783	664	672	589	641	489
Woodbury	5040	5424	6163	6730	6333	5582	5049	5480	6299	6111	6324	6333	6395	5812	5793	4820
Worth	223	267	336	341	303	290	239	271	341	359	336	336	395	369	365	275
Wright	558	625	622	639	608	550	454	456	523	652	664	595	641	563	596	538
State of Iowa	141193		155859		144247		121399		141635		152054		158408		130904	
		149768		155902		129527		128284		151208		150221		138106		102440

Table 6. Average Food Stamp Benefits (in \$) Received Per Person Per Month in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	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	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	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	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	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	61.15	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	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	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	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	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	61.97	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	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	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	56.48	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	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	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	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	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	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	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	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	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	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	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	68.97	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	62.40	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	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	57.65	52.49	52.09	54.94	55.06	49.49	45.90	44.55	42.70	42.46	41.19	41.50	40.20	57.01	50.71	50.15
Des Moines	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	63.27	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	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	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	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
Floyd	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	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	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	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	63.77	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	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	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	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	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	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	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	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	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	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	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	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	64.18	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

Table 6. Average Food Stamp Benefits (in \$) Received Per Person Per Month in Iowa Counties, 1980-1995 (cont.).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	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	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	64.57	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	60.62	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	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	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	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	65.57	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	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	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	63.41	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	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	63.33	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	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	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	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
Monona	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	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	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	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	55.39	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	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	58.04	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	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	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	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	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	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	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	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	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	70.10	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	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	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	73.90	71.31	68.41	65.90	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	60.87	57.57	57.86	59.30	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	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	62.93	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	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	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	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	61.09	58.77	58.48	60.00	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	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	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	57.67	57.44	57.97	56.80	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	55.16	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	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	60.18	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	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	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 1995 \$s) Received Per Person Per Month in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	60.14	59.62	63.03	63.73	59.36	56.45	56.08	54.46	54.30	57.22	59.62	59.10	57.80	57.52	60.90	54.94
Adams	58.71	56.50	61.14	61.84	62.68	56.26	55.92	58.62	59.77	60.88	61.41	56.68	54.59	50.34	57.99	49.98
Allamakee	59.34	59.55	59.92	59.95	57.83	55.80	53.58	54.33	56.03	58.01	58.30	56.49	58.40	58.24	59.74	53.43
Appanoose	62.46	62.47	63.39	67.02	64.16	62.17	60.15	60.15	58.01	57.33	59.66	58.54	59.96	58.63	61.13	52.82
Audubon	57.92	55.34	57.31	58.25	60.33	56.84	55.67	60.89	58.69	59.26	57.57	54.93	58.89	57.21	58.94	53.91
Benton	61.15	62.00	63.09	63.72	64.26	61.53	59.11	59.19	57.09	57.74	60.64	60.98	61.74	58.35	65.45	54.62
Black Hawk	64.57	63.92	65.11	67.07	64.81	62.99	61.27	62.74	61.86	62.15	64.20	65.86	66.88	67.67	73.57	62.40
Boone	66.17	66.96	68.63	70.33	65.84	61.56	58.82	61.56	60.08	59.28	61.17	62.95	63.37	63.11	67.94	55.94
Bremer	60.86	59.35	59.55	62.53	61.43	60.73	57.24	58.69	56.81	57.58	58.89	61.16	61.57	60.44	65.99	56.46
Buchanan	59.92	59.07	59.66	63.82	63.83	61.22	59.06	60.33	59.46	59.64	62.02	62.82	60.70	58.40	63.27	54.69
Buena Vista	61.97	59.48	62.16	64.74	61.12	59.67	55.73	56.06	54.55	57.28	58.28	57.89	58.61	58.43	61.68	52.56
Butler	57.85	56.33	56.97	60.82	61.61	58.00	55.17	55.73	55.46	56.24	57.95	59.14	58.57	57.58	63.25	52.40
Calhoun	57.94	58.49	59.13	60.92	59.36	55.92	56.24	55.83	55.40	55.54	57.94	56.45	56.22	56.35	59.87	51.91
Carroll	56.48	58.25	59.35	61.50	59.69	57.00	54.38	55.32	53.57	53.66	54.39	53.24	55.63	56.19	58.49	52.07
Cass	60.11	57.73	60.58	63.98	63.11	60.13	58.05	59.49	57.06	56.63	59.84	57.94	57.58	59.23	60.39	51.84
Cedar	63.83	62.07	65.80	65.96	63.87	62.10	60.70	61.85	61.70	61.03	62.26	63.25	62.67	63.73	67.17	60.51
Cerro Gordo	62.04	61.27	63.29	65.72	64.97	61.99	59.91	59.56	58.79	57.93	58.66	59.59	61.09	60.19	63.92	54.85
Cherokee	62.80	61.63	61.24	64.66	61.80	58.85	56.45	57.55	58.06	55.93	54.98	55.28	56.57	52.69	54.16	46.21
Chickasaw	56.01	56.49	58.69	58.22	60.16	57.34	54.27	56.70	57.05	57.39	58.21	58.00	58.64	56.18	60.62	48.77
Clarke	64.99	64.28	62.80	64.26	63.61	61.74	58.37	60.30	59.11	60.27	61.97	60.24	62.24	60.01	65.12	58.81
Clay	59.28	56.73	56.82	60.46	58.90	57.43	54.97	54.40	53.85	56.33	57.94	56.35	58.36	57.78	61.55	53.58
Clayton	59.11	58.95	57.44	61.91	59.54	56.89	54.66	56.40	56.03	57.23	58.92	58.26	61.56	61.19	63.21	59.35
Clinton	66.17	66.02	67.56	71.41	69.57	66.40	64.27	64.61	64.12	63.54	65.25	64.92	64.04	61.27	66.07	59.27
Crawford	61.83	61.51	62.50	65.95	62.83	59.39	57.22	58.29	56.89	58.06	58.08	56.29	57.95	58.20	59.10	53.40
Dallas	68.97	66.59	68.06	69.43	66.19	63.90	61.93	61.01	60.02	58.38	59.56	61.14	60.55	58.36	60.83	53.36
Davis	62.40	64.20	64.56	65.11	63.53	61.79	57.77	58.22	58.14	59.52	58.23	58.51	57.63	56.40	61.76	52.69
Decatur	57.70	59.13	59.80	61.01	58.79	56.47	54.02	53.42	53.28	54.24	55.97	55.66	56.60	53.41	56.54	50.24
Delaware	57.65	53.98	54.92	59.51	59.21	57.48	56.08	56.76	56.82	58.57	58.55	59.89	60.26	58.11	63.37	54.43
Des Moines	66.69	65.27	67.03	68.87	67.18	64.41	61.51	60.95	60.50	59.70	61.94	63.11	61.97	62.26	65.57	58.31
Dickinson	63.27	62.12	61.71	62.64	60.80	57.20	55.69	57.45	53.58	54.17	56.07	54.30	55.61	56.33	58.42	51.26
Dubuque	61.36	61.08	62.92	65.57	64.42	61.27	59.17	59.49	59.30	59.07	60.89	62.98	63.92	61.48	66.49	58.46
Emmet	60.05	59.08	59.81	62.89	63.81	61.50	56.42	55.10	54.38	54.93	57.21	56.36	53.65	54.17	58.99	49.93
Fayette	57.73	56.61	57.70	59.11	58.01	55.44	53.61	55.23	56.35	56.66	58.37	60.81	57.26	57.70	61.71	53.88
Floyd	59.46	58.22	59.03	59.31	58.05	56.21	52.43	54.16	55.13	54.50	55.42	54.72	55.39	55.15	58.77	50.11
Franklin	58.14	57.60	59.44	62.10	62.84	62.19	58.68	58.16	54.97	56.44	54.25	53.34	54.65	50.85	56.32	51.09
Fremont	60.47	57.52	56.94	58.63	58.56	56.18	52.17	54.59	54.42	52.88	56.66	55.54	56.13	55.15	55.30	50.70
Greene	59.87	57.52	59.92	62.36	60.87	57.37	55.74	55.55	51.60	51.63	55.56	54.55	56.11	56.83	58.39	49.92
Grundy	63.77	61.12	64.10	67.70	66.92	61.52	57.84	60.53	58.41	58.22	58.71	56.73	59.46	56.63	62.27	54.56
Guthrie	58.41	57.57	59.00	62.03	58.92	56.10	55.66	56.35	55.30	56.47	58.74	57.56	57.11	55.67	57.28	51.30
Hamilton	63.10	60.36	63.68	65.73	62.88	58.44	55.12	59.12	59.07	58.51	59.08	58.19	57.53	58.14	59.42	53.24
Hancock	58.89	58.89	58.59	61.46	57.44	54.31	52.98	55.67	53.72	56.17	56.72	53.95	54.75	56.04	58.55	52.57
Hardin	60.72	61.17	61.72	60.60	58.06	58.18	55.14	55.20	56.33	57.45	59.00	56.68	57.73	56.86	58.01	50.11
Harrison	57.51	56.84	57.80	61.23	59.36	57.20	54.68	55.51	54.00	54.02	56.12	54.31	54.49	53.67	56.26	51.76
Henry	63.43	61.44	63.59	64.15	61.19	60.96	57.97	60.81	57.83	57.12	58.29	59.34	59.33	58.51	65.16	54.73
Howard	54.97	56.40	56.88	59.37	56.90	54.12	53.49	55.76	56.35	58.08	57.42	58.11	60.47	59.86	56.44	50.89
Humboldt	57.81	55.77	59.34	60.10	57.89	54.55	52.69	55.44	54.00	53.00	57.59	52.78	56.15	56.28	61.91	54.77
Ida	56.15	55.43	55.09	58.55	56.64	51.96	50.82	54.21	52.17	52.89	54.61	53.10	54.02	54.15	58.47	51.07
Iowa	58.12	58.63	59.81	61.59	61.40	60.79	59.42	57.48	58.39	58.75	58.87	58.52	61.61	57.98	62.88	57.62
Jackson	60.24	60.52	61.41	63.47	63.32	60.04	58.23	58.92	58.39	58.45	60.07	59.85	60.62	58.18	61.98	52.42
Jasper	64.18	62.48	64.99	66.83	64.33	61.85	58.41	59.87	58.84	58.43	58.96	59.92	61.97	61.50	65.25	57.56

Table 7. Adjusted Average Food Stamp Benefits (in 1995 \$s) Received Per Person Per Month in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	69.12	67.88	69.57	69.56	69.03	64.49	62.06	64.72	35.33	61.24	63.36	62.95	61.47	60.96	65.70	55.38
Johnson	71.12	69.21	69.97	71.13	67.68	64.08	62.60	64.00	63.99	62.14	64.23	64.59	65.51	65.84	71.63	60.05
Jones	64.57	61.57	62.40	64.55	61.99	59.69	58.42	60.06	58.70	59.18	62.03	60.84	61.35	60.65	64.11	56.89
Keokuk	60.62	57.40	60.74	64.79	63.38	60.51	58.69	58.33	56.21	55.96	59.48	58.25	57.42	57.19	58.01	51.34
Kossuth	56.98	57.10	57.84	59.80	60.67	56.87	52.58	54.91	54.10	55.19	56.41	54.27	54.44	53.72	59.36	51.38
Lee	63.08	63.45	65.81	67.96	67.15	64.25	61.88	63.35	62.71	62.05	64.19	63.88	64.97	63.02	67.48	58.43
Linn	67.45	66.63	68.10	69.66	68.18	65.67	63.37	64.16	63.58	63.31	65.40	66.57	66.81	66.65	72.63	62.21
Louisa	65.57	64.36	65.18	66.78	65.03	63.72	60.84	61.98	60.04	59.35	62.07	60.63	59.33	59.26	59.03	55.19
Lucas	62.22	60.93	61.73	63.91	61.67	61.48	59.69	58.47	58.19	58.12	58.65	59.07	60.67	62.13	63.64	52.55
Lyon	54.60	52.52	54.62	54.80	52.53	51.20	49.38	53.12	53.25	54.30	53.11	51.26	55.56	55.89	61.40	54.85
Madison	63.41	59.94	63.03	64.45	62.51	61.97	59.78	60.81	58.52	57.90	59.87	57.34	59.88	57.29	59.74	51.48
Mahaska	61.92	61.73	62.40	63.83	62.44	60.45	58.26	58.25	58.72	56.97	58.46	57.56	61.07	60.65	65.34	58.03
Marion	63.33	62.77	66.17	67.17	64.84	61.50	59.28	59.91	59.16	60.54	62.22	61.25	60.85	60.79	63.50	55.91
Marshall	65.13	63.85	66.17	67.86	65.86	64.13	62.41	62.61	60.53	60.97	62.73	62.06	62.80	62.09	65.65	58.18
Mills	65.82	65.05	64.57	64.08	62.22	61.34	60.07	60.22	57.55	55.90	59.48	57.37	57.01	56.65	60.32	53.97
Mitchell	55.83	55.84	58.89	62.50	57.68	54.96	52.54	54.33	55.53	56.70	56.15	56.69	57.68	55.25	57.20	48.94
Monona	58.00	57.66	59.29	60.70	60.16	56.67	54.04	54.92	53.31	54.88	56.74	54.29	56.64	57.18	59.39	51.58
Monroe	59.03	59.46	61.05	64.34	63.34	61.02	59.25	59.98	60.71	61.37	62.19	61.79	62.47	58.62	61.95	54.32
Montgomery	60.99	59.65	62.15	65.39	64.08	59.44	56.37	57.18	55.86	55.34	59.07	59.26	60.50	60.98	61.80	54.35
Muscatine	67.30	65.99	65.43	66.69	65.74	63.98	61.33	62.06	61.57	62.70	64.89	64.11	63.99	64.66	66.29	60.67
O'Brien	55.39	51.29	53.80	55.36	55.85	54.01	53.11	53.54	53.15	52.65	53.90	51.16	53.40	57.27	60.66	54.44
Osceola	56.98	57.95	57.22	61.55	59.35	56.36	52.39	53.64	54.25	57.03	62.46	59.46	57.63	55.61	56.79	52.20
Page	58.04	56.42	58.94	59.89	57.45	55.92	54.95	55.23	53.65	55.09	56.07	57.26	56.43	55.10	58.22	51.90
Palo Alto	55.68	55.01	59.85	60.98	57.66	53.14	51.76	53.96	54.68	55.33	56.76	54.58	56.52	55.67	59.52	51.00
Plymouth	55.47	54.51	56.27	58.04	55.83	53.50	52.63	54.64	56.30	56.92	55.58	55.52	58.01	58.62	62.76	57.11
Pocahontas	55.44	55.08	56.96	61.99	59.39	56.72	56.04	55.16	55.06	56.84	54.77	53.16	52.32	55.54	58.11	52.78
Polk	71.61	71.20	75.71	72.93	71.06	67.62	64.63	64.63	62.64	62.42	64.04	64.40	65.83	66.19	70.83	61.94
Pottawattamie	67.80	66.82	67.80	69.64	68.73	65.95	63.10	63.57	60.59	60.16	61.90	61.05	61.69	60.59	63.92	56.70
Poweshiek	64.48	63.04	65.01	66.42	63.84	59.85	58.56	59.31	57.02	55.82	58.84	61.13	60.57	61.29	65.03	56.87
Ringgold	56.76	54.86	58.08	60.41	60.00	55.20	54.53	55.69	53.50	53.87	57.45	57.15	56.81	56.80	56.84	49.40
Sac	56.82	56.26	56.17	60.39	58.79	54.64	51.29	50.36	50.98	54.08	54.16	54.29	55.77	52.55	55.93	47.66
Scott	70.10	69.38	71.14	72.53	70.06	68.27	66.22	66.63	65.55	65.17	66.62	67.01	67.84	68.59	72.56	64.48
Shelby	59.33	60.06	58.30	59.13	60.46	57.30	54.87	57.12	55.06	55.55	56.72	57.21	60.01	58.31	63.41	54.40
Sioux	54.10	52.20	52.87	54.77	53.32	49.38	48.41	50.37	48.61	52.05	50.90	50.24	52.66	53.64	56.86	51.51
Story	73.90	73.34	72.13	71.50	67.58	64.81	63.82	63.42	60.40	59.29	62.09	61.10	61.12	60.99	66.13	59.55
Tama	60.87	59.21	61.01	64.41	63.27	61.36	59.61	59.97	57.24	60.23	57.98	57.74	58.13	57.60	60.42	53.25
Taylor	54.68	57.47	58.71	61.83	56.94	52.51	49.68	52.27	52.27	52.11	57.85	55.18	53.12	52.31	51.37	47.53
Union	62.93	60.75	60.63	63.53	61.86	59.19	56.32	56.17	55.23	56.65	59.33	59.88	59.67	59.17	60.55	53.28
Van Buren	59.83	60.66	61.27	63.40	62.36	59.26	56.71	57.27	55.64	56.69	60.42	59.03	60.12	61.12	60.95	54.85
Wapello	61.80	62.35	63.78	65.81	64.19	62.48	61.59	61.29	60.36	59.57	61.19	61.07	60.00	58.77	61.34	52.49
Warren	66.00	65.20	67.11	67.83	65.26	64.19	61.45	62.16	59.47	59.29	61.43	60.62	60.61	60.42	63.77	55.54
Washington	61.09	60.44	61.66	65.12	62.54	60.17	59.53	61.19	59.38	58.99	60.67	61.20	55.66	56.74	63.43	55.14
Wayne	56.61	55.29	57.04	59.22	57.58	55.59	54.29	54.33	52.42	56.17	60.08	55.73	58.17	56.95	58.62	52.00
Webster	63.38	63.06	64.70	66.59	64.27	61.64	59.18	59.86	58.23	58.03	59.19	59.72	59.15	58.90	61.93	52.80
Winnebago	57.67	59.07	61.12	61.51	59.20	57.19	55.32	55.80	51.68	53.98	54.58	53.18	56.49	52.86	58.51	53.13
Winneshiek	55.16	55.73	58.27	60.06	58.75	56.83	55.12	57.18	56.83	56.15	56.86	56.05	58.13	58.14	62.30	54.73
Woodbury	64.33	62.36	63.85	65.36	63.43	60.84	58.20	59.09	57.98	57.59	59.98	59.70	60.84	60.17	63.54	56.23
Worth	60.18	61.44	62.50	64.02	61.41	59.30	56.28	56.35	58.61	57.28	58.82	56.25	58.96	59.66	63.92	54.00
Wright	59.95	60.65	62.57	62.38	63.70	62.48	60.89	59.16	56.99	62.35	64.41	61.54	62.08	60.21	62.66	56.60
State of Iowa	65.05	64.27	66.06	67.20	65.38	62.76	60.43	61.02	59.79	59.78	61.51	61.70	62.36	61.96	65.96	57.58

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, 1985-1995.

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1995 \$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	-0.2	-1.5	-7.3	-0.7	1.8	-31.8	0.0	8.3	-31.4	0.9	6.5	0.9
Adams	-1.0	-7.5	-15.2	-10.0	-4.5	-21.3	-6.6	0.0	-24.8	3.9	4.3	-4.4
Allamakee	1.1	1.6	-3.8	-7.6	9.1	-31.2	-7.8	16.0	-30.1	-0.4	6.3	1.8
Appanoose	-0.1	-0.5	-5.0	-1.4	6.3	-19.4	-1.4	6.8	-15.6	0.0	0.5	4.7
Audubon	-1.1	-6.3	-15.1	-12.7	-10.2	-36.5	-8.2	-8.2	-35.9	4.7	1.9	0.6
Benton	2.0	7.6	7.2	-7.0	-11.3	-19.9	-8.2	-11.8	-19.2	-1.4	-0.6	0.8
Black Hawk	-0.7	-0.6	-5.4	-4.9	-1.4	-22.5	-3.9	1.1	-22.1	1.0	2.5	0.6
Boone	1.1	1.3	-0.0	-7.2	17.5	-8.2	-8.3	26.4	-0.6	-1.2	7.5	8.2
Bremer	0.2	1.8	-2.1	-18.9	-2.4	-44.3	-16.8	-2.1	-42.5	2.6	0.2	3.4
Buchanan	-0.1	2.2	-2.4	-12.0	-16.7	-45.7	-10.8	-18.5	-47.5	1.4	-2.1	-3.4
Buena Vista	-0.2	0.5	-2.5	-3.5	13.5	3.2	0.6	17.7	9.8	4.2	3.8	6.3
Butler	0.1	0.1	-6.2	-3.6	-1.6	-35.7	-0.9	-1.8	-35.8	2.7	-0.2	-0.2
Calhoun	-1.9	-0.7	-7.4	-8.5	2.6	-19.1	-9.5	6.4	-19.0	-0.9	3.6	0.0
Carroll	0.5	0.8	-3.7	-4.2	1.7	-18.9	-7.1	0.8	-15.9	-3.0	-0.9	3.8
Cass	-0.5	-0.5	-8.1	-11.1	16.7	-1.7	-7.4	16.7	-1.1	4.1	0.0	0.5
Cedar	1.0	1.4	-2.9	-10.9	3.6	-10.2	-8.4	6.3	-8.0	2.8	2.8	2.5
Cerro Gordo	0.2	-0.2	-3.8	-6.5	8.4	6.3	-5.3	8.5	12.4	1.3	0.1	5.8
Cherokee	-1.7	-3.6	-11.0	-10.7	-2.9	-25.6	-9.0	3.8	-15.1	1.9	6.7	14.2
Chickasaw	0.3	1.0	-7.3	-10.5	-10.0	-49.5	-11.3	-12.2	-51.4	-0.8	-2.3	-3.8
Clarke	-0.3	-1.8	-3.0	-4.1	22.3	3.2	-2.9	28.6	8.4	1.1	5.3	4.9
Clay	-0.9	-1.0	-5.3	-11.8	-16.6	-37.7	-7.8	-13.9	-36.3	4.5	3.2	2.3
Clayton	0.0	-1.2	-6.7	-12.4	-27.2	-57.6	-12.4	-24.5	-57.5	0.3	3.9	0.3
Clinton	-0.2	-0.3	-5.0	-5.4	6.5	-15.5	-5.2	6.2	-14.4	0.2	-0.3	1.4
Crawford	-0.2	-1.9	-10.2	-1.9	15.6	19.8	-1.2	20.3	27.7	0.5	4.1	6.5
Dallas	2.5	10.7	12.6	-4.4	3.2	-23.2	-1.0	11.5	-11.1	3.6	7.9	15.8
Davis	1.0	2.7	-2.9	-7.8	-15.4	-42.4	-10.3	-14.4	-38.2	-2.8	1.0	7.2
Decatur	1.1	-1.9	-8.2	-7.2	20.6	12.8	-9.6	23.3	16.2	-2.4	2.2	3.1
Delaware	0.2	2.0	-0.7	-5.9	-10.4	-49.7	0.5	-10.2	-50.5	6.8	0.3	-1.5
Des Moines	-0.5	0.2	-2.7	-4.5	9.1	-0.1	-2.5	13.0	7.5	2.2	3.5	7.7
Dickinson	1.4	5.1	4.1	-1.7	8.4	-9.6	0.0	19.9	1.7	1.9	10.6	12.8
Dubuque	0.2	2.5	-0.6	-9.0	-11.8	-43.4	-8.6	-11.7	-42.9	0.5	0.1	0.8
Emmet	-1.2	-3.6	-10.1	-13.0	-17.5	-29.4	-11.6	-19.6	-26.0	1.7	-2.4	5.0
Fayette	-0.4	-0.2	-6.8	-11.1	-3.0	-32.1	-9.4	0.9	-32.9	2.0	4.1	-1.1
Floyd	-0.7	-2.7	-10.4	-11.8	2.8	-19.5	-9.9	8.8	-13.6	2.1	5.8	7.3
Franklin	-0.0	-2.3	-10.4	-1.2	7.8	6.5	-0.2	0.7	14.4	0.9	-6.5	7.2
Fremont	-0.9	-1.6	-8.3	-9.0	22.8	13.8	-4.3	32.2	21.6	5.1	7.6	6.7
Greene	-0.2	0.3	-10.0	-3.2	24.7	-13.9	0.7	30.1	-7.1	4.1	4.4	7.8
Grundy	1.2	2.3	-7.2	7.8	-10.2	-32.0	12.8	-6.7	-26.1	4.3	3.7	8.6
Guthrie	1.1	4.3	-0.1	-10.9	16.8	-21.3	-9.6	21.8	-21.7	1.5	4.1	-0.6
Hamilton	1.2	0.8	-4.7	-18.0	-2.3	-12.4	-14.2	5.4	-6.3	4.5	8.0	6.8
Hancock	0.8	-3.6	-9.0	-17.3	-22.7	-21.3	-17.1	-16.1	-18.2	0.0	8.4	3.8
Hardin	0.0	-2.1	-10.5	-14.0	22.6	25.3	-14.5	27.9	29.0	-0.7	4.4	2.9
Harrison	1.3	2.6	-2.2	-6.0	0.4	-9.9	-4.9	1.0	-7.6	1.2	0.5	2.5
Henry	0.3	3.1	5.2	-9.6	12.5	8.5	-6.6	17.1	17.9	3.2	4.1	8.8
Howard	0.2	0.8	-6.5	-16.9	-10.8	-43.3	-19.0	-9.2	-45.7	-2.5	1.6	-4.3
Humboldt	-1.0	-4.4	-11.5	-5.4	-2.7	-23.2	-1.9	3.2	-22.9	3.6	6.0	0.4
Ida	-1.4	-2.1	-6.4	8.6	41.9	3.3	9.8	53.6	6.0	1.3	8.1	2.8
Iowa	1.6	3.8	0.7	-7.6	17.1	-9.1	-8.6	11.9	-10.4	-0.9	-4.4	-1.3
Jackson	-0.5	0.9	-6.7	-10.1	-5.9	-32.3	-10.5	-5.5	-32.1	-0.5	0.3	0.3
Jasper	0.1	1.1	1.3	-8.0	-0.1	-32.1	-5.4	3.6	-26.1	2.7	3.8	8.8

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, 1985-1995 (ct).

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1995 \$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	-0.1	3.2	3.0	-9.2	7.8	5.7	-7.5	15.6	15.4	1.8	7.2	9.1
Johnson	0.7	5.4	14.4	0.5	33.7	46.1	3.3	48.3	61.7	2.8	11.0	10.7
Jones	1.3	4.3	3.2	-1.9	16.1	-23.3	2.9	25.8	-20.2	4.9	8.2	4.1
Keokuk	0.6	-0.5	-6.7	-4.6	-6.2	-10.0	0.7	-6.1	-8.3	5.6	0.2	1.9
Kossuth	-0.2	-2.4	-11.1	-10.2	6.5	-7.5	-10.4	6.5	-6.5	-0.2	0.2	1.0
Lee	0.2	1.1	-4.1	-11.4	1.3	-16.3	-11.9	-0.5	-17.7	-0.6	-1.8	-1.7
Linn	1.0	5.8	8.3	-7.4	7.3	-13.7	-6.3	10.2	-11.0	1.2	2.7	3.1
Louisa	0.4	1.7	0.0	-2.3	17.9	-4.4	-0.4	21.2	1.0	1.9	2.9	5.6
Lucas	0.1	-0.6	-7.7	-4.0	21.7	-13.5	-2.0	23.2	-8.3	2.1	1.2	6.1
Lyon	-0.1	-0.5	-3.9	-7.8	3.4	-28.8	-4.5	9.9	-27.0	4.0	6.7	2.8
Madison	3.3	8.1	10.5	-8.6	6.0	-19.8	-3.2	8.5	-14.9	5.8	2.3	5.9
Mahaska	0.8	1.8	0.4	-6.1	-7.4	-23.5	-5.8	-5.2	-18.9	0.3	2.4	5.9
Marion	1.4	3.7	5.4	-7.2	16.1	-12.8	-6.4	19.6	-11.4	0.9	3.0	1.8
Marshall	0.9	0.9	-4.1	-6.7	13.2	4.3	-4.9	15.0	8.3	2.0	1.6	3.8
Mills	1.5	4.5	3.5	-4.5	25.9	24.3	-3.3	35.2	37.4	1.2	7.3	10.6
Mitchell	0.4	1.8	-2.6	-18.3	-20.4	-47.3	-18.6	-19.2	-47.7	0.0	1.6	-0.6
Monona	-0.4	-0.7	-8.0	-11.3	-7.9	-21.9	-10.7	-5.7	-20.2	0.6	2.4	2.2
Monroe	0.1	0.8	-4.8	-5.1	0.3	-13.1	-5.7	-3.1	-17.6	-0.7	-3.3	-5.1
Montgomery	-0.6	-1.1	-7.0	1.7	45.4	19.8	4.0	49.2	23.9	2.2	2.6	3.3
Muscatine	0.3	3.8	2.5	-3.2	4.8	-2.4	-1.3	10.3	1.2	2.0	5.2	3.7
O'Brien	-0.3	-0.6	-5.9	-0.4	26.9	-21.9	7.5	30.3	-19.6	8.0	2.6	2.8
Osceola	-1.2	-2.6	-8.8	3.8	19.6	-38.1	2.2	20.5	-43.5	-1.7	1.1	-8.8
Page	-0.4	-1.1	-6.3	-9.0	-4.5	-17.4	-6.5	-0.8	-14.5	2.9	3.8	3.5
Palo Alto	-2.2	-4.4	-14.2	-15.2	-16.5	-40.1	-14.3	-12.5	-41.3	1.2	4.8	-1.9
Plymouth	0.5	3.6	2.3	0.6	-5.8	-41.3	2.5	-2.4	-41.3	1.7	3.7	-0.2
Pocahontas	-0.0	-4.3	-15.1	-4.8	18.4	-4.6	-4.3	15.6	-3.5	0.7	-2.2	1.2
Polk	1.1	6.9	13.4	-8.3	12.3	1.2	-7.7	18.9	13.2	0.6	5.9	11.8
Pottawattamie	0.4	1.3	-1.3	-9.3	12.2	19.7	-7.9	15.4	31.1	1.5	2.8	9.5
Poweshiek	-0.1	-0.1	0.7	-6.6	14.1	-17.6	-4.5	22.8	-9.8	2.3	7.7	9.6
Ringgold	-0.0	-0.9	-7.2	-9.2	-0.6	-25.5	-6.0	1.9	-26.5	3.5	2.8	-1.2
Sac	-0.6	-1.9	-7.6	5.1	13.4	-6.4	6.1	17.7	-1.8	1.0	4.0	4.9
Scott	0.4	3.8	1.4	-4.8	12.8	7.4	-3.8	15.8	13.1	1.0	2.7	5.2
Shelby	-0.4	-1.1	-7.8	6.0	25.8	5.2	4.6	30.1	9.9	-1.2	3.6	4.6
Sioux	0.2	5.0	3.2	12.5	-4.2	-26.3	16.5	5.0	-21.7	3.6	9.6	6.3
Story	0.2	0.5	0.8	-2.4	28.2	16.0	-1.6	46.2	38.1	0.8	14.0	19.0
Tama	0.3	2.6	-4.2	-14.3	-10.6	-32.0	-11.9	-11.3	-28.6	2.8	-0.8	5.0
Taylor	0.4	0.5	-8.8	2.5	3.6	-26.8	-2.6	7.8	-30.8	-4.8	4.1	-5.5
Union	-0.3	-2.6	-5.5	-4.4	3.3	-11.0	-0.9	9.9	-5.6	3.6	6.3	6.1
Van Buren	0.4	1.2	-4.3	-3.7	-12.7	-32.8	-5.0	-11.7	-33.5	-1.4	1.0	-1.0
Wapello	-0.6	0.2	-6.3	-2.3	7.4	-5.5	-3.1	6.3	-4.5	-0.9	-1.1	1.0
Warren	1.2	8.1	12.0	-14.4	0.2	-14.5	-13.4	3.0	-8.2	1.2	2.8	7.4
Washington	1.1	4.6	3.7	-5.9	0.4	4.2	-4.7	2.0	5.0	1.1	1.5	0.7
Wayne	-0.8	-2.8	-8.7	-0.8	1.9	-24.1	1.6	3.8	-28.5	2.4	1.8	-5.8
Webster	-0.5	-2.8	-8.2	-5.9	2.9	-5.2	-5.4	5.8	1.5	0.5	2.8	7.1
Winnebago	-0.1	-1.8	-5.1	-6.5	3.2	6.7	-8.6	4.3	13.0	-2.4	0.8	5.7
Winneshiek	0.1	1.0	-1.7	-14.8	-8.2	-43.7	-15.6	-10.8	-45.3	-1.0	-2.9	-3.0
Woodbury	0.6	3.6	3.0	-9.9	-14.6	-25.7	-7.1	-9.7	-20.3	3.2	5.7	7.3
Worth	0.6	-0.8	-8.9	-14.9	-24.1	-35.1	-16.5	-23.1	-33.6	-2.0	1.5	2.3
Wright	0.9	0.3	-7.0	-9.8	5.7	-9.8	-10.7	1.5	-16.0	-1.2	-4.1	-6.9
State of Iowa	0.4	2.3	0.4	-6.9	5.2	-12.2	-5.7	9.0	-7.1	1.2	3.6	5.7

Persons Receiving Food Stamps

In 1995, Iowa had an average of 180,890 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 (25,001) in 1995 than any other county. Three others (Black Hawk, Linn, 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 13,303 lower in 1995 than in 1994. Eighty-nine counties followed this trend as well, with fewer persons in the program in the later year. Six had decreases greater than 500, with Polk (-2,253) the highest. Ten counties reported increases between 1994 and 1995, with only Sioux (+82) noting a gain of at least 40.

Comparing 1985 and 1995, Iowa had an average of 25,095 fewer persons in the food stamp program at the end of the period. Seventy-seven counties followed this trend, with Black Hawk, Buchanan, Dubuque, Linn, and Woodbury counting at least 1,000 fewer in 1995 than in 1985. Twelve counties had increases of at least 100, although Pottawattamie and Scott were the only ones with gains greater than 1,000.

A review of the entire period indicates that Iowa currently is somewhat 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 and 1995, declines occurred in the majority of counties.

Percentage of the Population Receiving Food Stamps

An average of 6.4 percent of Iowa's population received food stamps each month during 1995 (Table 3). The percentage for the state had been 6.9 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 1995, 60 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-six counties in 1995 had a higher percentage of residents receiving food stamps than the state total. Six listed at least 10.0 percent of their populations in the program, with the highest at 13.0 percent in Appanoose (Figure 2).

Eighty-six counties had lower percentages of their populations in the food stamp program in 1995 than in 1994. Percentage point changes in either direction were small, however; only seven counties had changes of at least a percentage point. For 71 counties, the percentage of residents in the program was lower in 1995 than in 1985. Decreases of at least 2.0 percentage points occurred in 26 counties; only Decatur reported an increase of at least 2.0 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 16 years examined. In 1980, 15 counties had less than 3 percent of their population receiving food stamps. For 1995, 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 6 counties at that level in 1995 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 16 years.

Total Annual Benefits Received

In 1995, Iowa distributed more than \$141 million in food stamp benefits (Table 4, Figure 3). This was more than \$4 million less than the total in 1994. Total costs of the program grew substantially from 1989 to 1993 but declined from that year to the present.

Benefits were greater in Polk (\$21.5 million) than any other county, followed by Scott (\$13.3 million), Black Hawk (\$9.2 million), and Linn (\$8.2 million). In contrast, Adams, Audubon, Grundy, Ida, Lyon, Mitchell, Osceola, and Worth each reported less than \$300,000 in food stamp benefits.

Comparing 1995 with 1985 shows that state benefits increased by nearly \$33 million; 75 counties had higher benefits in the more recent year. Polk, Scott, and Pottawattamie experienced the largest increases. Of the 23 counties with lower benefits in 1995 than 1985, Dubuque was the only one in which the decline exceeded \$500,000.

Iowa's total food stamp benefits increased 30.1 percent between 1985 and 1995. Only Johnson experienced a gain greater than 100 percent during this period. Two others (Mills, 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 nearly \$10.9 million from 1985 to 1995 in Iowa (Table 5). Seventy-two counties followed the statewide trend. That's in direct contrast to changes noted before the adjustment for inflation, when 75 had higher benefits in 1995 than in 1985. 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 1995, each person in the food stamp program averaged a monthly benefit of \$65.05, which was \$2.55 higher than the average benefit in 1994 (Table 6, Figure 4).

Iowa's counties varied significantly in the average monthly benefit received (Figure 5). The average of \$54.10 in Sioux was lowest in 1995; Howard, Lyon, and Taylor also had averages of less than \$55.00. Benefits greater than \$70.00 occurred in Johnson, Polk, Scott, and Story, with Story's average of \$73.90 the highest.

Nearly all (96 of 99) counties averaged more benefits per person in 1995 than one year earlier. All counties reported higher average monthly benefits in 1995 than in 1985. The monthly benefit increased 48.1 percent in Iowa over this period. Osceola's gain of 27.8 percent was the only one under 30 percent, while Cherokee, Dallas, and Story increased by more than 60 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 1985 to 1995.

When adjusted for inflation, however, the changes in average monthly benefits are modest (Table 7). For example, the gain was 78 cents between 1994 and 1995 after inflation was incorporated in the calculations. From 1985 to 1995, the inflation-adjusted gain was \$3.54, which was far less than the \$21.13 reported before inflation was taken into account.

Changes Between 1985 and 1995

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 0.4 percent between 1985 and 1995. Increases occurred in 24 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 74 counties that declined in population, 60 had fewer people in the food stamp program in 1995 than in 1985, but 14 experienced increased numbers receiving food stamps (Table 6). In the 60 counties in which both population and program participation declined, the percentage changes in these factors varied widely. For example, Clayton's population was estimated to have decreased by 6.7 percent but food stamp participants dropped by 57.6 percent; on the other hand, Pocahontas had 15.1 percent fewer people but only a 4.6 percent decline in food stamp recipients.

Changes in participation in the food stamp program varied in the 25 counties that gained population between 1985 and 1995 as well. Eight had more persons in the food stamp program at the end of the period than the beginning while 17 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 were in the same direction (both up or both down) and of similar magnitude in all but five counties (Table 8). The five (Des Moines, Dickinson, Louisa, Muscatine, Webster) not following this pattern had relatively little change (5.0% or less) in either direction.

Adjusted total benefit increases are less clearly related to changes in adjusted per person benefits, however (Table 8). For example, Jasper's adjusted average monthly benefit gained 8.8 percent from 1985 to 1995 but the adjusted total paid declined by 26.1 percent. Johnson, which had a 10.7 percent increase in adjusted average monthly benefits, reported a total adjusted benefit increase of 61.7 percent. And Chickasaw had a 3.8 percent decline in adjusted average monthly benefits and a 51.4 percent drop in adjusted total benefits. Thus, while average monthly benefit changes influence total benefits paid, more significant impacts come through changes in the number of persons enrolled in the food stamp program.

Figure 1. Average number of persons receiving food stamps in Iowa, 1980-1995.

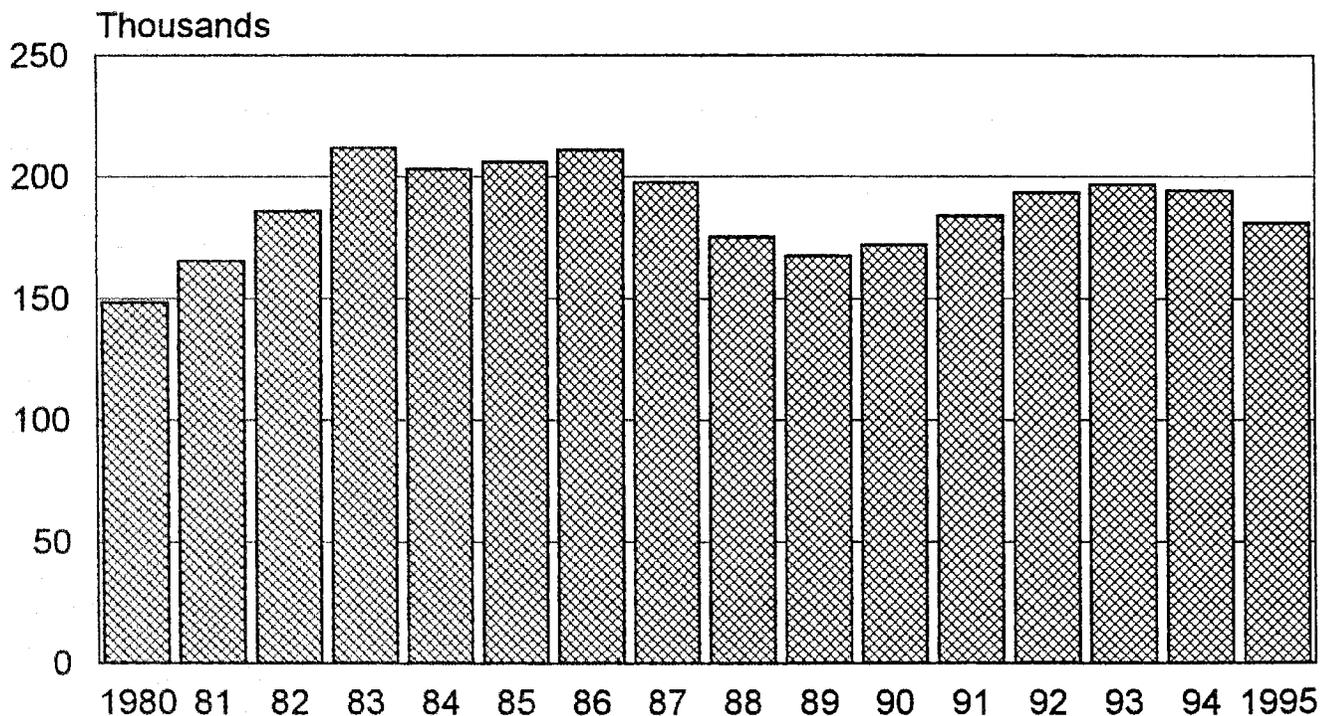


Figure 2. Percent receiving food stamps, 1995.

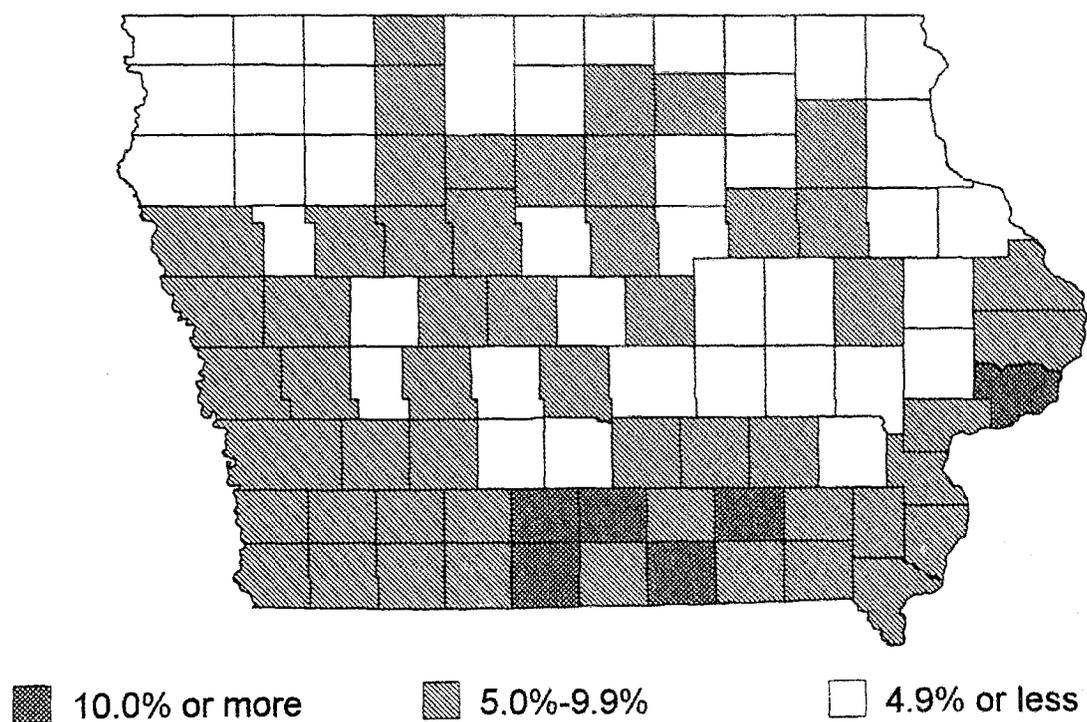


Figure 3. Total annual food stamp benefits in Iowa, 1980-1995.

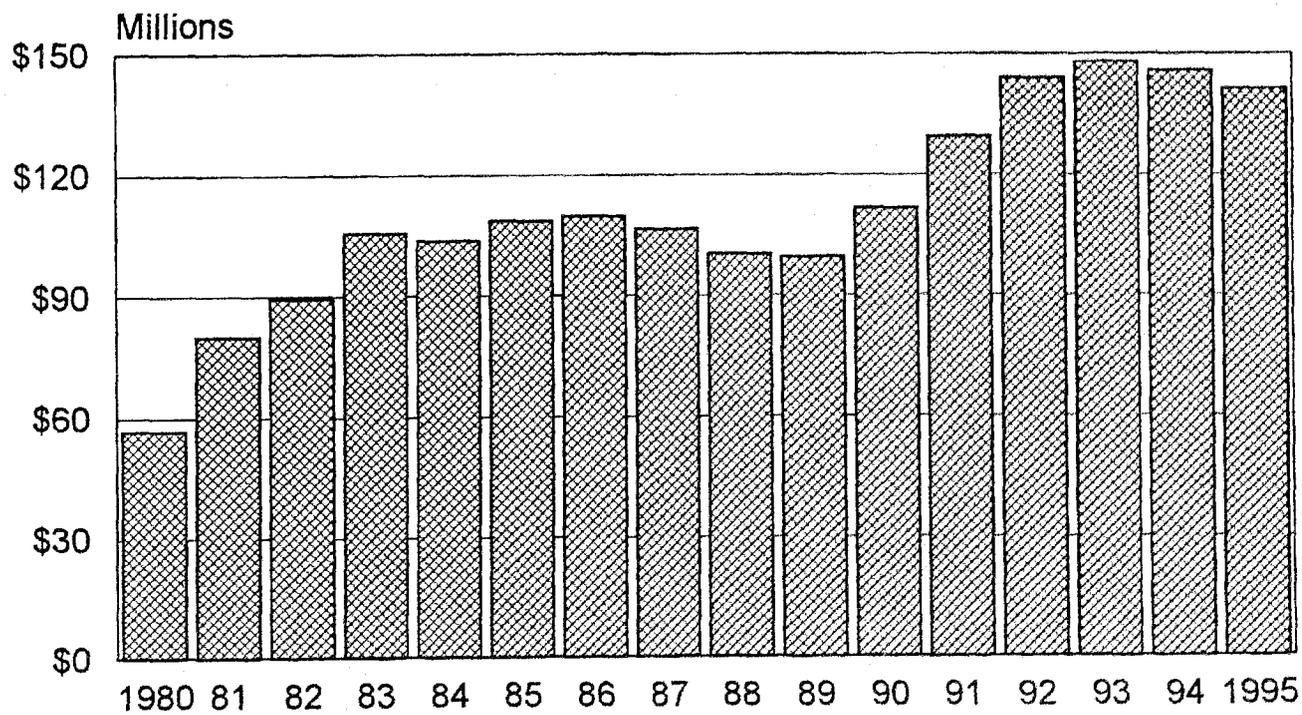


Figure 4. Average monthly food stamp benefits (in \$) per recipient in Iowa, 1980-1995.

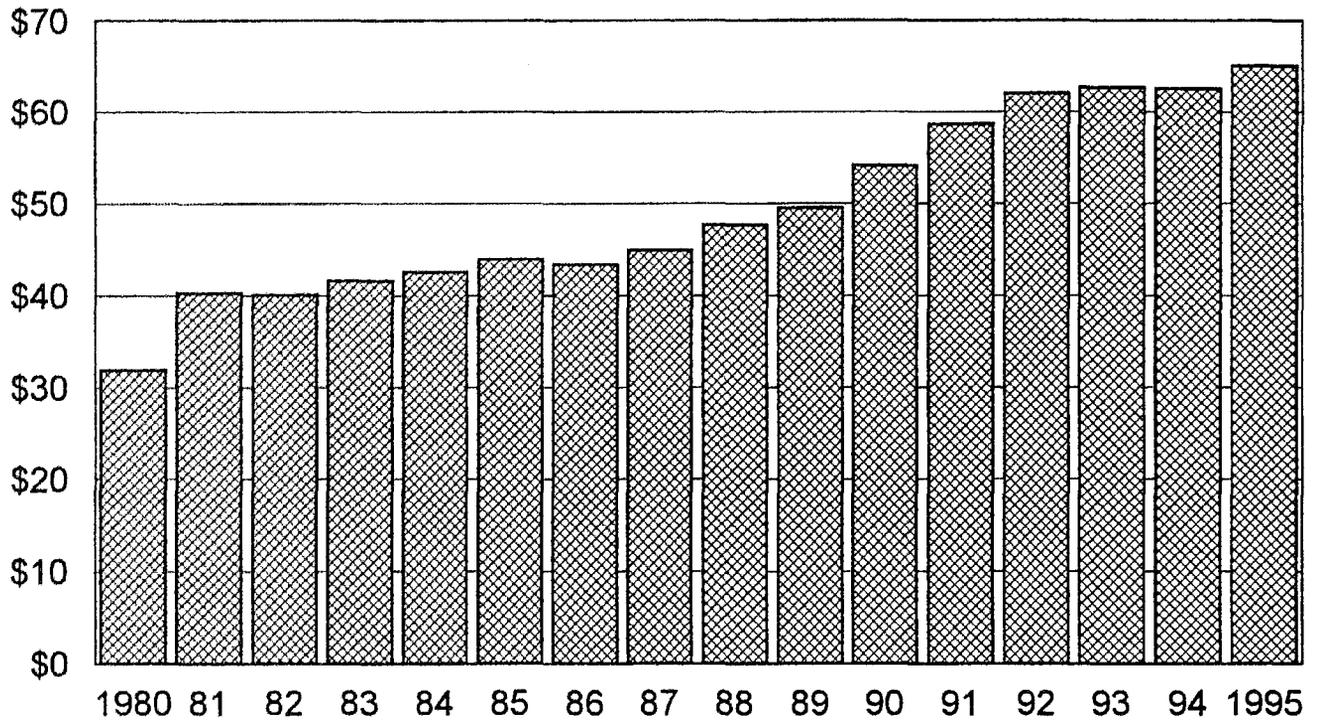
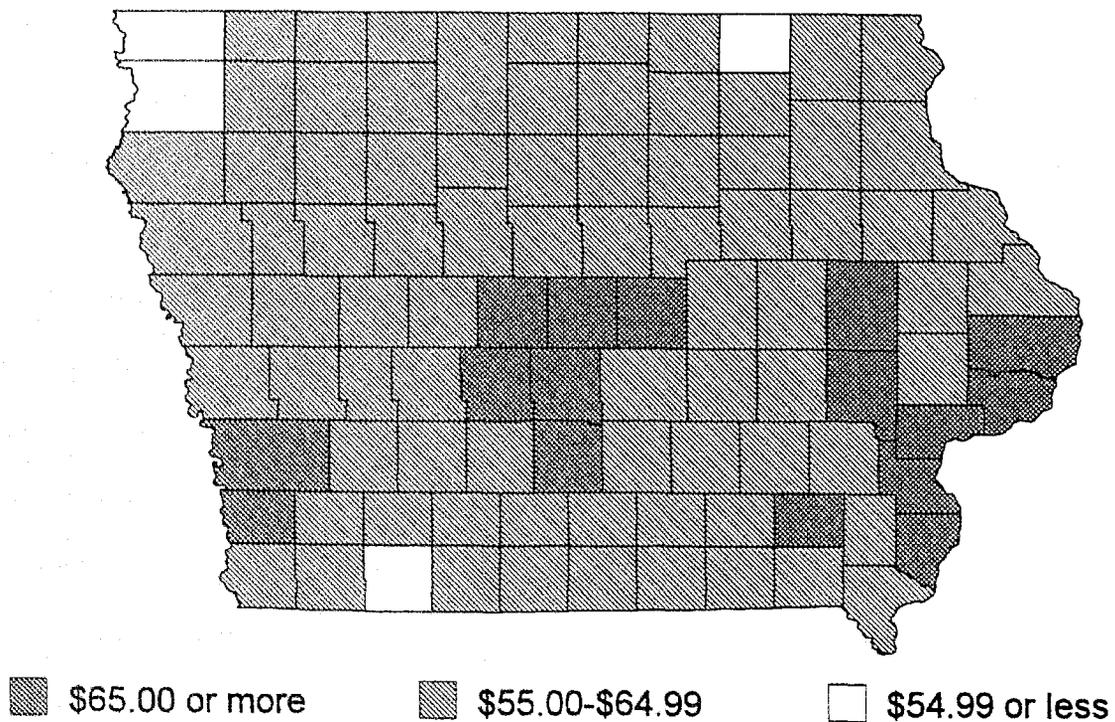


Figure 5. Average monthly food stamp benefit per recipient, 1995.



Medical Services Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1980-1995

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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 1995; numbers from monthly reports were summed and divided by 12.

Persons Eligible for Title XIX Assistance

In 1995, Iowa averaged 230,000 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 16 years reported, although a decline of nearly 5,700 occurred between 1994 and 1995. The figure for 1982, the lowest of those reported, was about 148,000.

Polk averaged 29,200 persons eligible for medical assistance each month in 1995, the highest of any county. Black Hawk, Linn, and Scott were the only other counties with more than 10,000. Osceola was the only county with fewer than 400 persons eligible for Title XIX assistance, while five others (Adams, Audubon, Grundy, Ida, Worth) were below 500.

The state averaged 54,900 more persons eligible for the Title XIX program in 1995 than in 1985. All counties but Buchanan (-62) and Delaware (-27) followed that pattern with more persons eligible for the program at the end of the period than at the beginning. Fourteen reported at least 1,000 more persons eligible in 1995 than in 1985. Twenty-two had fewer than 200 more eligible in 1995 than 10 years earlier.

Iowa had 31.3 percent more persons eligible for Title XIX assistance in 1995 than in 1985. Fifty-five counties had percentage increases larger than that for the state. Crawford had a gain greater than 100 percent and Johnson was nearly that high; Davis, Dubuque, Grundy, Jackson, Mills, Palo Alto, and Worth were the only counties reporting increases of less than 10 percent, while Buchanan and Delaware had decreases.

Percentage of the Population Eligible for Title XIX Assistance

In 1995, an average of 8.1 percent of Iowa's population was eligible for the program (Table 2). The percentages were somewhat higher in recent years than in the early 1980s. For the counties in 1995, 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 25 others. Residents eligible for the program accounted for less than 4 percent of the total population in Grundy and Johnson; they were at least 13 percent in Appanoose, Decatur, and Wapello. Fifty-five counties had percentages lower than that for the state.

Table 1. Average Monthly Number Eligible for Title XIX Benefits in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	595	603	561	509	477	445	375	368	423	472	437	405	391	352	392	396
Adams	473	487	452	443	420	362	329	336	376	341	301	246	214	176	207	216
Allamakee	979	982	975	933	782	716	685	671	697	749	738	706	681	703	796	850
Appanoose	2057	2061	2010	1950	1847	1782	1767	1752	1762	1829	1790	1793	1695	1504	1505	1537
Audubon	454	479	446	461	437	372	348	331	331	351	342	277	284	298	348	358
Benton	1440	1527	1477	1474	1375	1315	1143	1119	1157	1086	1118	1107	1013	918	943	911
Black Hawk	13931	14130	13593	13214	12960	12748	12719	12405	13283	13413	12666	12058	10340	9404	9855	9894
Boone	2113	2217	2217	2112	1970	1850	1881	1837	1865	1902	1895	1857	1809	1739	1831	1881
Bremer	1210	1326	1225	1066	1039	925	826	862	972	1020	975	953	824	737	792	713
Buchanan	1622	1753	1656	1651	1619	1547	1547	1593	1765	1805	1684	1485	1334	1083	1113	1126
Buena Vista	1291	1242	1205	1151	1052	979	907	909	938	950	874	781	772	762	836	840
Butler	1145	1200	1084	1090	1037	971	894	918	976	994	936	853	775	653	739	779
Calhoun	836	839	800	814	749	703	665	639	718	696	621	590	573	546	614	638
Carroll	1352	1379	1330	1241	1144	1119	1053	902	943	889	820	817	784	767	824	814
Cass	1388	1438	1331	1218	1092	964	880	838	887	920	889	812	752	761	901	849
Cedar	1006	1076	1014	961	907	897	839	798	845	778	707	636	665	663	697	766
Cerro Gordo	4088	4208	3989	3859	3649	3438	3184	3047	3063	2969	2697	2618	2702	2652	2903	2884
Cherokee	917	900	835	804	790	746	680	665	732	718	676	660	637	605	676	724
Chickasaw	892	974	857	754	682	649	622	607	679	651	637	594	518	420	485	505
Clarke	965	949	848	831	726	685	608	628	689	661	630	533	562	522	486	479
Clay	1197	1298	1244	1211	1177	1091	1034	1002	1078	1110	1042	942	938	870	976	898
Clayton	1168	1174	1140	1161	1124	1060	984	939	942	975	953	932	937	880	926	952
Clinton	5197	5262	4987	4672	4477	4284	4009	3772	3950	4156	4035	3529	3275	2692	2666	2465
Crawford	1713	1797	1558	1513	1618	1356	1059	990	1006	954	841	777	822	746	762	827
Dallas	1848	1782	1667	1672	1590	1529	1481	1372	1542	1597	1564	1470	1386	1196	1251	1223
Davis	692	732	691	690	669	717	710	695	735	651	673	651	611	499	522	555
Decatur	1189	1227	1081	1028	921	859	796	778	792	766	726	677	679	682	760	751
Delaware	1109	1086	1048	1033	971	1006	1023	1069	1165	1230	1136	1033	958	822	912	915
Des Moines	4318	4374	4278	4010	3926	3692	3519	3208	3298	3385	3305	3060	2948	2751	2991	2896
Dickinson	873	855	759	781	720	664	686	635	637	615	605	584	630	614	633	643
Dubuque	5736	5913	5769	5658	5412	5049	4933	4926	5349	5560	5517	5391	5118	4305	4337	4292
Emmet	930	937	905	913	881	859	814	780	865	925	840	725	690	635	680	691
Fayette	2019	2124	2068	1917	1812	1636	1468	1405	1498	1471	1386	1302	1255	1136	1185	1168
Floyd	1704	1746	1578	1535	1427	1372	1299	1188	1286	1342	1222	1183	1136	1050	1132	1084
Franklin	872	879	779	746	716	675	602	556	565	576	540	549	545	504	577	616
Fremont	894	945	815	739	680	627	621	599	622	604	582	511	475	428	510	538
Greene	825	826	739	691	659	629	560	559	583	611	589	558	530	505	572	575
Grundy	442	397	437	513	485	437	416	396	448	447	436	415	392	347	400	386
Guthrie	970	1034	970	936	828	750	713	763	841	787	749	700	659	617	660	673
Hamilton	1093	1247	1155	1145	1050	919	869	855	914	862	768	800	786	741	811	829
Hancock	789	826	744	757	681	578	505	458	486	483	446	412	436	432	511	521
Hardin	1625	1696	1496	1393	1256	1127	1035	1025	1016	986	930	890	905	944	1008	976
Harrison	1556	1585	1508	1470	1342	1223	1117	1055	1056	1004	1023	1031	1013	912	987	1035
Henry	1566	1589	1429	1332	1299	1172	1045	909	893	952	1011	993	948	809	876	948
Howard	753	802	752	699	627	600	532	487	530	573	602	580	584	509	552	577
Humboldt	748	778	813	721	635	607	585	570	585	583	553	460	465	452	523	503
Ida	454	418	444	452	402	340	339	331	351	330	296	272	282	275	295	310
Iowa	731	776	676	623	607	572	464	457	505	508	440	389	419	379	434	440
Jackson	1684	1794	1717	1624	1568	1501	1486	1524	1611	1683	1561	1485	1365	1135	1040	1062
Jasper	2241	2303	2307	2186	2003	1891	1797	1809	1987	2097	2007	1899	1912	1745	1886	1834

Table 1. Average Monthly Number Eligible for Title XIX Benefits in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	1335	1396	1322	1236	1192	1141	1025	928	950	886	842	833	840	826	818	907
Johnson	3846	3748	3497	3261	3011	2790	2479	2281	2254	2163	1958	1808	1762	1689	1894	1850
Jones	1199	1226	1170	1070	992	1006	984	989	1016	1067	981	944	914	902	909	949
Keokuk	1086	1107	1096	1023	1003	954	915	858	861	846	754	665	602	535	597	598
Kossuth	1127	1200	1148	1102	962	886	748	679	729	714	654	627	653	657	753	745
Lee	4016	4331	4164	3986	3771	3532	3342	3175	3344	3419	3388	3269	3117	2730	2720	2621
Linn	12444	12862	11961	11670	11157	10404	9793	9678	10398	10501	10159	9845	9398	8496	8555	8296
Louisa	1053	1096	1038	972	910	832	760	766	861	873	869	893	792	692	732	792
Lucas	1106	1087	970	945	905	834	809	799	854	894	886	888	827	757	773	848
Lyon	647	586	571	535	471	445	401	372	368	377	364	355	329	331	340	309
Madison	879	859	795	781	742	741	729	669	696	719	705	681	670	594	600	623
Mahaska	1908	2078	2058	1996	1924	1819	1674	1580	1634	1661	1541	1462	1443	1308	1413	1415
Marion	1950	2007	1873	1763	1623	1546	1460	1442	1515	1594	1483	1469	1415	1227	1312	1367
Marshall	3508	3575	3341	3143	2897	2659	2487	2379	2499	2394	2246	2249	2099	1708	2189	2284
Mills	1649	1692	1554	1520	1444	1428	1423	1469	1521	1546	1597	1475	1426	1443	1559	1527
Mitchell	548	599	575	550	499	440	434	437	434	415	404	411	436	414	433	447
Monona	1033	1078	1039	1080	1043	947	832	806	873	871	797	768	753	703	710	712
Monroe	953	969	917	883	840	858	842	859	835	841	747	638	635	552	556	546
Montgomery	1179	1174	1068	1035	893	814	763	720	792	811	776	690	665	659	673	684
Muscatine	3869	3910	3743	3674	3538	3383	3158	2981	3217	3223	3013	2709	2506	2305	2364	2419
O'Brien	957	899	868	876	751	697	641	680	720	664	618	621	608	571	671	653
Osceola	311	302	331	308	321	276	266	237	242	289	273	227	213	190	207	242
Page	1707	1732	1637	1588	1546	1437	1432	1331	1354	1384	1275	1179	1160	1037	1098	1133
Palo Alto	776	797	788	777	735	698	645	637	683	710	713	637	641	641	710	770
Plymouth	1021	1117	1045	1012	916	904	881	845	837	863	760	700	699	664	771	768
Pocahontas	659	659	619	602	572	487	427	385	414	439	441	440	426	416	465	475
Polk	29154	30040	27999	27508	25616	23690	21806	20853	21261	21433	21336	21201	21147	19995	21830	21026
Pottawattamie	8821	9239	8738	8350	7844	7080	6489	6212	6240	6252	6219	6184	6316	6192	6893	6828
Poweshiek	1199	1185	1106	1105	982	871	761	782	847	900	864	768	739	670	740	701
Ringgold	579	578	525	508	481	482	489	492	511	471	488	427	395	372	390	408
Sac	884	880	841	807	751	685	647	561	544	591	591	580	528	489	536	541
Scott	17618	17763	16789	16264	15461	14654	13647	13209	13549	13331	12880	12228	11168	9827	9894	9843
Shelby	883	822	818	795	754	724	582	561	580	561	538	501	490	469	486	470
Sioux	1304	1209	1086	1062	1007	916	912	827	857	832	772	683	704	719	771	801
Story	3112	3017	2831	2641	2412	2228	1927	1750	1880	1792	1666	1490	1402	1301	1488	1552
Tama	1242	1317	1311	1369	1209	1083	983	985	1048	1004	956	924	911	886	999	1040
Taylor	712	723	682	640	623	613	558	519	561	592	581	548	510	438	472	496
Union	1409	1375	1368	1334	1273	1261	1249	1150	1214	1236	1163	1055	983	911	961	966
Van Buren	626	632	643	579	551	537	487	496	495	512	525	519	478	401	439	502
Wapello	4962	4929	4635	4774	4523	4177	4021	4077	4324	4224	3824	3674	3423	2959	3086	3159
Warren	2072	2136	2007	1981	1872	1745	1610	1529	1632	1657	1705	1660	1608	1409	1518	1489
Washington	1304	1361	1234	1231	1194	1132	1043	1000	983	960	916	812	719	714	795	830
Wayne	805	815	792	748	651	670	610	598	596	623	637	636	602	562	587	604
Webster	4318	4431	4402	4258	4089	3844	3585	3358	3539	3503	3282	3225	3043	2862	3092	3292
Winnebago	695	714	664	618	599	564	489	433	462	478	458	415	468	439	522	505
Winneshiek	1051	1056	1041	985	886	801	780	765	770	789	726	675	660	624	699	697
Woodbury	9389	9855	10061	10383	10063	9357	8531	8287	8651	8253	7898	7737	7498	7105	7819	7967
Worth	434	473	508	498	474	472	390	376	433	437	403	396	385	389	408	394
Wright	1111	1206	1053	1036	939	832	757	744	802	843	787	750	726	694	831	892
State of Iowa	230139		223776		205223		180158		181934		175267		160348		157396	
		235812		217215		192410		173879		182454		167547		147698		157324

Table 2. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	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	10.5	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	7.1	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	15.0	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	6.6	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	6.0	6.5	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	11.3	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	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	5.2	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	7.6	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	6.4	6.2	6.0	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	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	7.3	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	6.4	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	9.2	9.5	8.9	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	5.7	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	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	6.7	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	6.6	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	11.9	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	6.9	7.4	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	6.2	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	10.2	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	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	5.6	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	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	14.5	15.2	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	6.0	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	10.1	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	5.6	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	6.5	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	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	9.3	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
Floyd	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	7.9	7.9	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	11.0	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	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	3.6	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	8.5	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	6.7	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	6.5	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	8.7	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	10.3	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	7.9	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	7.6	8.1	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	7.3	7.5	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	5.5	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	4.8	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	8.4	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	6.4	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

Table 2. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	7.9	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	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	5.9	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	9.4	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	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	10.3	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	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	8.9	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	12.3	12.1	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	5.4	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	6.5	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	8.7	9.6	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	6.3	6.5	6.2	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	9.3	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	11.9	12.4	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	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
Monona	10.4	10.8	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	11.7	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	9.9	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	9.3	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	6.2	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	4.4	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	10.3	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	7.6	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	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	7.2	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	8.3	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	10.5	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	6.3	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	10.8	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	7.2	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	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	6.7	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	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	4.2	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	6.9	7.4	7.4	7.9	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	10.0	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	11.3	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	8.1	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	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	5.3	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	6.4	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	11.7	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	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	5.8	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	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	9.2	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	5.5	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	7.8	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	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 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	3355	3238	2715	2255	1954	1679	1232	1128	1064	972	986	980	841	825	879	801
Adams	1746	1617	1526	1411	1176	1028	823	807	888	720	724	628	571	427	419	359
Allamakee	5187	4656	4466	4065	3440	3012	2335	2046	2009	1969	1976	1588	1581	1486	1745	1484
Appanoose	6826	6732	5532	5700	5041	4425	3550	3230	3059	2437	2500	2101	2043	1842	2205	1838
Audubon	3391	3069	2882	2686	2351	1797	1408	1163	1037	930	927	687	749	576	611	582
Benton	6239	6333	4972	4532	4701	3582	2971	2318	2105	1787	1674	1634	1537	1282	1296	1080
Black Hawk	61125	55924	44147	43326	39225	32376	27276	23831	21401	17399	16570	13636	12727	11953	11761	10469
Boone	38796	39745	40276	38388	39137	36179	33500	33322	29224	27288	25835	24184	24453	23638	20507	19870
Bremer	6552	5855	4742	4083	3711	2741	2125	1958	1689	1615	1542	1380	1439	1350	1225	915
Buchanan	8412	7055	6771	5559	5518	4648	4448	4114	4041	3876	3627	2815	2619	2691	2040	1693
Buena Vista	6997	6114	4845	4720	3844	3163	2645	2708	2119	1789	1724	1368	1402	1364	1319	1197
Butler	7307	6666	5834	4852	4475	3473	2936	2547	2316	2004	1895	1772	1785	1520	1532	1501
Calhoun	5015	4497	4392	4157	4232	3556	2533	2276	2329	1937	1936	1469	1457	1365	1328	1286
Carroll	9281	8519	7327	6519	5772	5095	4304	3102	2886	2254	2170	1988	1944	2009	1804	1792
Cass	6682	6078	6092	5577	4886	3660	2820	2215	2226	2155	2258	1692	1700	1659	1550	1483
Cedar	4665	4391	3813	3912	3492	2944	2530	2071	2091	1516	1306	1233	1166	1203	1226	1189
Cerro Gordo	19795	17936	16828	16921	14947	11917	9058	7568	6567	5043	4817	4355	4547	4352	4221	3997
Cherokee	6159	5034	5079	4246	4026	4209	3514	3011	2990	2775	2305	1960	2596	2726	1464	1777
Chickasaw	3840	3845	3126	3011	2639	2063	1582	1533	1287	1102	1048	892	977	811	843	760
Clarke	4151	3547	3116	2815	2390	1783	1772	1499	1743	1240	1300	1042	1058	923	787	671
Clay	6943	5990	4986	4743	4454	3924	3031	2805	2470	2039	1912	1606	1562	1332	1357	1266
Clayton	6762	5932	5285	5302	4796	3814	3330	2922	2481	2156	1956	1989	1981	1800	1792	1515
Clinton	22825	19961	17521	16477	16449	13223	9347	7976	7437	5996	5203	4001	3956	3596	3425	2921
Crawford	9769	9987	7059	6630	5885	4364	2898	2516	2229	1971	1772	1566	1837	1535	1334	1306
Dallas	8808	7405	6886	6859	6085	5109	4550	3972	3764	3061	3025	2514	2583	2297	2010	1755
Davis	3936	3056	2553	2653	2196	2147	1700	1439	1219	1018	1086	809	996	883	767	770
Decatur	4846	4873	4234	4054	3176	2909	2264	2198	1953	1838	1716	1475	1476	1472	1518	1434
Delaware	4973	4459	3918	3810	3558	2847	2381	2081	1909	1536	1496	1202	1195	1092	1130	885
Des Moines	16152	15230	12332	12247	11117	9639	8106	7024	6145	4802	5593	4031	3729	3707	3606	3445
Dickinson	3840	4092	3383	3213	2905	2163	1960	1431	1359	1127	1139	1155	875	1030	925	810
Dubuque	28153	26515	23709	20205	18753	15841	13461	12068	10478	9138	8847	8141	8052	7074	7123	6322
Emmet	6563	5226	4783	4631	4035	3026	2544	2210	2179	1920	1599	1362	1231	1184	1305	1157
Fayette	9399	8492	7205	6425	5807	4559	3638	3101	2971	2520	2519	2236	2219	2002	1910	1647
Floyd	9421	8398	7564	7129	5888	4897	3839	3180	2773	2347	2264	2158	2102	1914	1911	1611
Franklin	4161	3715	3546	3707	3039	2402	1859	1835	1468	1237	1233	1199	1156	1139	1226	1171
Fremont	4788	3998	3307	3142	2639	2339	1904	1678	1501	1312	1278	1088	1046	1006	1076	946
Greene	3444	3066	2759	2549	2193	1889	1375	1270	1150	1033	1060	897	898	758	848	720
Grundy	1939	1456	1667	2391	2027	1626	1498	1185	1140	983	997	834	818	756	813	685
Guthrie	5042	4418	4111	3926	3117	2625	2206	2067	2166	1996	1900	1794	1470	1487	1475	1272
Hamilton	5137	5271	5051	5265	3981	3257	2423	2071	1839	1521	1602	1396	1286	1266	1234	1222
Hancock	3882	3645	3198	3121	2623	2241	1672	1449	1305	1074	1070	902	945	874	827	839
Hardin	8354	7194	6429	6341	5444	4519	3353	3043	2432	2047	1994	1838	1736	1753	1744	1538
Harrison	9270	7490	6564	6839	6255	4562	4010	3030	2912	2264	2599	2458	2166	2102	2094	2203
Henry	6426	6114	5546	4963	5090	4112	3519	3222	2175	1888	1844	1861	2102	1630	1663	1746
Howard	3909	3800	3036	3016	2852	2156	1717	1354	1383	1196	1197	2233	1268	1282	1257	1118
Humboldt	4620	4579	3761	3166	3025	2731	1997	1615	1559	1261	1233	1003	1018	1197	885	858
Ida	2002	1532	2422	2361	2099	1698	1597	1161	1150	995	1018	895	900	929	923	889
Iowa	4405	3618	3481	3103	2892	2421	1655	1564	1475	1248	1112	885	968	951	943	883
Jackson	7309	6938	6063	6107	5318	4047	3476	3266	2918	2663	2278	2146	1984	1671	1540	1425
Jasper	12927	12328	10952	10184	8727	6823	5330	5222	4765	4317	4260	3347	3287	3121	2923	2352

Table 3. Total Annual Title XIX Payments (in \$1,000) in Iowa Counties 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	5850	5363	4792	4206	4081	3661	2777	2208	2073	1519	1392	1393	1471	1343	1243	1169
Johnson	16992	16440	12841	12344	11002	9080	6332	5352	4626	3802	3830	2583	2551	2554	2103	2521
Jones	5296	4483	3863	3560	3054	2501	2422	1955	1873	1567	1422	1284	1403	1196	1194	1142
Keokuk	4809	4238	3922	4004	3567	3020	2173	2115	1778	1547	1407	1250	1235	1090	1108	953
Kossuth	5879	5864	4823	4285	3543	3196	2454	1992	1842	1500	1494	1254	1290	1284	1286	1206
Lee	17203	15582	13353	13060	11662	9397	8688	7232	6581	6069	5916	5001	4990	4553	4013	3503
Linn	59703	56084	43868	42473	36346	31005	24744	20989	17922	15196	15141	13290	13684	11121	10996	9176
Louisa	4014	4002	3350	3325	3276	2697	2013	1908	1738	1382	1392	1165	1106	975	896	859
Lucas	4382	3999	3328	3312	3067	2596	2178	2113	1793	1672	1765	1594	1577	1583	1482	1285
Lyon	4258	2942	2682	2743	2499	2247	1754	1410	1314	1044	957	935	773	791	731	588
Madison	5282	4246	3874	3435	3147	3099	2390	2235	2221	2135	2010	1779	1712	1616	1525	1346
Mahaska	8626	8515	7461	7352	6763	5383	4559	4032	3721	3139	2895	2379	2414	2279	2032	1943
Marion	8896	7980	6854	6698	5983	5008	3933	3548	3487	2732	2681	2348	2311	2249	2122	1720
Marshall	20585	15922	11545	9720	8790	6981	5693	4866	4758	3766	3552	3083	3182	2940	2921	2795
Mills	42865	44507	44002	46448	46189	43949	39591	35569	33672	33192	29374	26455	28401	25426	23327	20104
Mitchell	3229	3278	3149	2767	2273	1859	1540	1344	1378	1296	1185	1145	1203	1129	1089	1056
Monona	5690	5373	5182	4912	4484	3651	2631	2170	2149	1753	1633	1474	1751	1518	1424	1260
Monroe	4742	4375	3327	3496	3062	2650	2126	2104	1729	1501	1372	1107	1238	1073	955	705
Montgomery	6398	5447	5295	5017	3984	2938	2407	2019	2224	1844	1719	1382	1472	1245	1225	1093
Muscatine	13244	11545	10031	9835	9468	7742	6116	4894	4262	3954	3751	3157	3066	3105	3074	2761
O'Brien	6016	4763	4265	4164	3644	3024	2282	2016	1821	1487	1592	1542	1605	1514	1451	1396
Osceola	998	1209	1848	1714	1404	1117	1019	889	723	598	721	405	350	381	352	314
Page	8553	7056	6673	6277	5348	4505	3583	3296	3630	3069	3286	2080	2578	2734	2298	2290
Palo Alto	4316	4218	4199	3703	3683	2689	2311	1924	1625	1503	1491	1301	1260	1165	1209	1030
Plymouth	4142	5727	4854	4593	3916	3526	2755	2374	2244	1977	1585	1510	1503	1415	1479	1211
Pocahontas	3721	3720	3175	3099	2448	2157	1712	1303	1260	1095	1095	932	1063	957	1099	974
Polk	135873	124717	111741	109427	89799	80301	61803	54254	50014	40882	42286	35842	37048	33444	31127	25270
Pottawattamie	36121	35260	30429	28700	24435	23002	16468	14303	12897	11520	12581	10478	11689	10938	9577	8932
Poweshiek	5484	5220	4374	4486	3878	3071	2480	2060	1882	1639	1659	1077	1136	1103	1016	869
Ringgold	2961	2497	2559	2613	2125	1863	1677	1492	1467	1192	1223	1018	949	933	915	981
Sac	4470	3765	3967	3774	3356	2806	2259	1694	1404	1321	1406	1191	1200	1036	1008	957
Scott	65733	61388	53387	48419	40807	34696	28343	25319	20817	17893	17012	15084	13549	11955	11950	9989
Shelby	4597	3798	4016	3771	3289	2549	1877	1641	1513	1501	1665	1285	1244	1208	1199	951
Sioux	7451	6259	6080	6086	5038	3867	3224	2563	2698	2683	2351	2032	1898	1850	1754	1516
Story	15008	12028	10491	9775	9061	7459	5587	4377	4222	3674	3626	2974	2912	2886	2804	2536
Tama	6950	6444	6072	5638	4767	3771	3095	2935	2527	2097	2107	1917	1912	1813	1758	1516
Taylor	2454	2814	2574	2280	2077	1847	1464	1249	1154	1080	1233	1301	1132	929	881	873
Union	6152	4542	4639	4486	3916	3781	3160	2639	2645	2108	1931	1784	1936	1615	1582	1410
Van Buren	2604	2422	2166	1954	1781	1613	1465	1242	856	756	858	689	633	522	503	481
Wapello	18408	15447	13019	13182	11541	9811	8851	8091	7513	6288	6014	5440	5498	4538	4302	3825
Warren	11648	9970	8997	8463	8022	6901	5295	4801	4531	3937	4015	3367	3218	2832	2705	2699
Washington	8104	7527	5892	5689	5825	4870	3420	2638	2270	2067	2005	1716	1488	1386	1514	1318
Wayne	3341	3211	2827	2735	2257	1974	1859	1581	1472	1249	1421	1176	1142	1132	1059	970
Webster	20235	18876	17009	15927	14025	11506	9045	7734	6939	5990	5794	5001	4990	4575	4606	3865
Winnebago	4243	4082	4112	3627	3115	2415	1973	1657	1544	1257	1213	1037	953	880	954	924
Winneshiek	5334	4953	4728	3891	3538	2833	2194	2047	1577	1347	1238	1060	1076	1030	1052	881
Woodbury	48999	45776	38567	42571	38727	33716	26102	24268	21176	18952	16949	14261	13835	11214	11439	10932
Worth	2385	2410	2615	2529	2126	1571	1239	986	925	820	815	739	676	733	656	571
Wright	6409	4829	3949	4028	3500	2734	2229	2232	2052	1668	1657	1351	1302	1323	1381	1372
State of Iowa	1146177		928814		797229		551297		440325		369621		320647		278713	
		1054676		893934		679920		488797		381590		320097		294077		249321

Table 4. Adjusted Total Annual Title XIX Payments (in 1995 \$1,000) in Iowa Counties 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	3355	3330	2863	2445	2180	1948	1505	1444	1417	1341	1381	1421	1262	1275	1440	1447
Adams	1746	1663	1609	1530	1312	1193	1005	1033	1182	993	1014	911	857	660	686	648
Allamakee	5187	4788	4709	4407	3837	3495	2852	2620	2675	2716	2768	2303	2372	2297	2859	2680
Appanoose	6826	6923	5833	6179	5623	5135	4336	4136	4073	3362	3502	3047	3065	2847	3612	3320
Audubon	3391	3156	3039	2912	2623	2085	1720	1489	1381	1283	1298	996	1124	890	1001	1051
Benton	6239	6513	5242	4913	5244	4157	3629	2968	2803	2465	2345	2370	2306	1982	2123	1951
Black Hawk	61125	57510	46547	46969	43757	37573	33318	30514	28498	24000	23208	19776	19091	18476	19268	18908
Boone	38796	40872	42465	41616	43658	41986	40921	42666	38916	37641	36185	35073	36680	36538	33596	35887
Bremer	6552	6021	5000	4426	4140	3181	2596	2507	2249	2228	2160	2001	2159	2087	2007	1653
Buchanan	8412	7255	7139	6026	6155	5394	5433	5268	5381	5347	5080	4082	3929	4160	3342	3058
Buena Vista	6997	6287	5108	5117	4288	3671	3231	3467	2822	2468	2415	1984	2103	2108	2161	2162
Butler	7307	6855	6151	5260	4992	4030	3586	3261	3084	2764	2654	2570	2678	2350	2510	2711
Calhoun	5015	4625	4631	4507	4721	4127	3094	2914	3101	2672	2712	2130	2186	2110	2176	2323
Carroll	9281	8761	7725	7067	6439	5913	5257	3972	3843	3109	3039	2883	2916	3105	2955	3236
Cass	6682	6250	6423	6046	5450	4247	3445	2836	2964	2973	3163	2454	2550	2564	2539	2678
Cedar	4665	4516	4020	4241	3895	3417	3090	2652	2784	2091	1829	1788	1749	1860	2009	2147
Cerro Gordo	19795	18445	17743	18344	16674	13830	11065	9690	8745	6956	6747	6316	6821	6727	6915	7219
Cherokee	6159	5177	5355	4603	4491	4885	4292	3855	3982	3828	3228	2843	3894	4214	2398	3209
Chickasaw	3840	3954	3296	3264	2944	2394	1932	1963	1714	1520	1468	1294	1466	1254	1381	1373
Clarke	4151	3648	3285	3052	2666	2069	2165	1919	2321	1710	1821	1511	1587	1427	1289	1212
Clay	6943	6160	5257	5142	4969	4554	3702	3592	3289	2813	2678	2329	2343	2059	2223	2286
Clayton	6762	6100	5572	5748	5350	4426	4068	3741	3304	2974	2740	2885	2972	2782	2936	2736
Clinton	22825	20527	18473	17862	18349	15345	11418	10213	9903	8271	7287	5802	5934	5558	5611	5276
Crawford	9769	10270	7443	7187	6565	5064	3540	3222	2968	2719	2482	2271	2756	2373	2185	2359
Dallas	8808	7615	7260	7436	6788	5929	5558	5086	5012	4222	4237	3646	3875	3551	3293	3170
Davis	3936	3143	2692	2876	2450	2492	2077	1843	1623	1404	1521	1173	1494	1365	1257	1391
Decatur	4846	5011	4464	4395	3543	3376	2766	2814	2601	2535	2403	2139	2214	2275	2487	2590
Delaware	4973	4585	4131	4130	3947	3304	2908	2665	2542	2119	2095	1743	1793	1688	1851	1598
Des Moines	16152	15662	13002	13277	12401	11186	9902	8994	8183	6624	7834	5846	5594	5730	5908	6222
Dickinson	3840	4208	3567	3483	3241	2510	2394	1832	1810	1555	1595	1675	1313	1592	1515	1463
Dubuque	28153	27267	24998	21904	20920	18384	16443	15452	13953	12605	12391	11807	12078	10935	11669	11418
Emmet	6563	5374	5043	5020	4501	3512	3108	2830	2902	2648	2240	1975	1847	1830	2138	2090
Fayette	9399	8733	7597	6965	6478	5291	4444	3971	3956	3476	3528	3243	3329	3095	3129	2975
Floyd	9421	8636	7975	7728	6568	5683	4689	4072	3693	3237	3171	3130	3153	2959	3131	2910
Franklin	4161	3820	3739	4019	3390	2788	2271	2350	1955	1706	1727	1739	1734	1761	2009	2115
Fremont	4788	4111	3487	3406	2944	2714	2326	2149	1999	1810	1790	1578	1569	1555	1763	1709
Greene	3444	3153	2909	2763	2446	2192	1680	1626	1531	1425	1485	1301	1347	1172	1389	1300
Grundy	1939	1497	1758	2592	2261	1887	1830	1517	1518	1356	1396	1210	1227	1169	1332	1237
Guthrie	5042	4543	4334	4256	3477	3046	2695	2647	2884	2753	2661	2602	2205	2299	2416	2297
Hamilton	5137	5420	5326	5708	4441	3780	2960	2652	2449	2098	2244	2025	1929	1957	2022	2207
Hancock	3882	3748	3372	3383	2926	2601	2042	1855	1738	1481	1499	1308	1418	1351	1355	1515
Hardin	8354	7398	6778	6874	6073	5244	4096	3896	3239	2824	2793	2666	2604	2710	2857	2778
Harrison	9270	7702	6921	7414	6978	5294	4898	3880	3878	3123	3640	3565	3249	3249	3431	3979
Henry	6426	6287	5847	5380	5678	4772	4299	4126	2896	2604	2583	2699	3153	2520	2724	3153
Howard	3909	3908	3201	3270	3181	2502	2097	1734	1842	1650	1677	3238	1902	1982	2059	2019
Humboldt	4620	4709	3965	3432	3374	3169	2439	2068	2076	1739	1727	1455	1527	1850	1450	1550
Ida	2002	1575	2554	2560	2341	1971	1951	1487	1531	1373	1426	1298	1350	1436	1512	1606
Iowa	4405	3721	3670	3364	3226	2810	2022	2003	1964	1721	1557	1283	1452	1470	1545	1595
Jackson	7309	7135	6393	6620	5932	4697	4246	4182	3886	3673	3191	3112	2976	2583	2523	2574
Jasper	12927	12678	11547	11040	9735	7918	6511	6686	6345	5955	5967	4854	4931	4824	4789	4248

Table 4. Adjusted Total Annual Title XIX Payments (in 1995 \$1,000) in Iowa Counties 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	5850	5515	5052	4560	4552	4249	3392	2827	2760	2095	1950	2020	2207	2076	2036	2111
Johnson	16992	16906	13539	13382	12273	10537	7735	6853	6160	5245	5364	3746	3827	3948	3445	4553
Jones	5296	4610	4073	3859	3407	2902	2959	2503	2494	2162	1992	1862	2105	1849	1956	2063
Keokuk	4809	4358	4135	4341	3979	3505	2654	2708	2368	2134	1971	1813	1853	1685	1815	1721
Kossuth	5879	6030	5085	4645	3952	3709	2998	2551	2453	2069	2093	1819	1935	1985	2107	2178
Lee	17203	16024	14079	14158	13009	10905	10613	9260	8764	8372	8286	7253	7485	7038	6574	6327
Linn	59703	57674	46253	46044	40545	35982	30225	26875	23866	20961	21207	19274	20526	17190	18014	16573
Louisa	4014	4115	3532	3605	3654	3130	2459	2443	2314	1906	1950	1690	1659	1507	1468	1551
Lucas	4382	4112	3509	3590	3421	3013	2660	2706	2388	2306	2472	2312	2366	2447	2428	2321
Lyon	4258	3025	2828	2974	2788	2608	2143	1805	1750	1440	1340	1356	1160	1223	1198	1062
Madison	5282	4366	4085	3724	3511	3596	2919	2862	2958	2945	2815	2580	2568	2498	2498	2431
Mahaska	8626	8756	7867	7970	7544	6247	5569	5163	4955	4330	4055	3450	3621	3523	3329	3509
Marion	8896	8206	7227	7261	6674	5812	4804	4543	4643	3769	3755	3405	3467	3476	3476	3106
Marshall	20585	16373	12173	10537	9805	8102	6954	6231	6336	5195	4975	4471	4773	4544	4785	5048
Mills	42865	45769	46394	50353	51525	51003	48361	45543	44839	45785	41142	38367	42602	39302	38216	36309
Mitchell	3229	3371	3320	3000	2536	2157	1881	1721	1835	1788	1660	1661	1805	1745	1784	1907
Monona	5690	5525	5464	5325	5002	4237	3214	2779	2862	2418	2287	2138	2627	2346	2333	2276
Monroe	4742	4499	3508	3790	3416	3075	2597	2694	2302	2070	1922	1605	1857	1659	1565	1273
Montgomery	6398	5601	5583	5439	4444	3410	2940	2585	2962	2544	2408	2004	2208	1924	2007	1974
Muscatine	13244	11872	10576	10662	10562	8985	7471	6266	5675	5454	5254	4578	4599	4800	5036	4987
O'Brien	6016	4898	4497	4514	4065	3509	2788	2581	2425	2051	2230	2236	2408	2340	2377	2521
Osceola	998	1243	1948	1858	1566	1296	1245	1138	963	825	1010	587	525	589	577	567
Page	8553	7256	7036	6805	5966	5228	4377	4220	4834	4233	4602	3017	3867	4226	3765	4136
Palo Alto	4316	4338	4427	4014	4108	3121	2823	2464	2164	2073	2088	1887	1890	1801	1981	1860
Plymouth	4142	5889	5118	4979	4368	4092	3365	3040	2988	2727	2220	2190	2255	2187	2423	2187
Pocahontas	3721	3825	3348	3360	2731	2503	2091	1668	1678	1510	1534	1352	1595	1479	1800	1759
Polk	135873	128253	117815	118628	100173	93190	75494	69468	66601	56393	59227	51980	55572	51696	50994	45639
Pottawattamie	36121	36260	32083	31113	27258	26694	20116	18314	17174	15891	17621	15196	17534	16907	15690	16132
Poweshiek	5484	5368	4612	4863	4326	3564	3029	2638	2506	2261	2324	1562	1704	1705	1664	1569
Ringgold	2961	2568	2698	2833	2370	2162	2048	1910	1954	1644	1713	1476	1424	1442	1499	1772
Sac	4470	3872	4183	4091	3744	3256	2759	2169	1870	1822	1969	1727	1800	1601	1651	1728
Scott	65733	63129	56289	52490	45521	40265	34622	32419	27721	24682	23827	21876	20324	18479	19577	18041
Shelby	4597	3906	4234	4088	3669	2958	2293	2101	2015	2070	2332	1864	1866	1867	1964	1718
Sioux	7451	6436	6411	6598	5620	4488	3938	3282	3593	3701	3293	2947	2847	2860	2874	2738
Story	15008	12369	11061	10597	10108	8656	6825	5604	5622	5068	5079	4313	4368	4461	4594	4580
Tama	6950	6627	6402	6112	5318	4376	3781	3758	3365	2893	2951	2780	2868	2802	2880	2738
Taylor	2454	2894	2714	2472	2317	2143	1788	1599	1537	1490	1727	1887	1698	1436	1443	1577
Union	6152	4671	4891	4863	4368	4388	3860	3379	3522	2908	2705	2587	2904	2496	2592	2547
Van Buren	2604	2491	2284	2118	1987	1872	1790	1590	1140	1043	1202	999	950	807	824	869
Wapello	18408	15885	13727	14290	12874	11386	10812	10360	10005	8674	8423	7889	8247	7015	7048	6908
Warren	11648	10253	9486	9175	8949	8009	6468	6147	6034	5431	5624	4883	4827	4378	4432	4875
Washington	8104	7740	6212	6167	6498	5652	4178	3378	3023	2851	2808	2489	2232	2142	2480	2380
Wayne	3341	3302	2981	2965	2518	2291	2271	2024	1960	1723	1990	1706	1713	1750	1735	1752
Webster	20235	19411	17934	17266	15645	13353	11049	9903	9240	8263	8115	7253	7485	7072	7546	6980
Winnebago	4243	4198	4336	3932	3475	2803	2410	2122	2056	1734	1699	1504	1430	1360	1563	1669
Winneshiek	5334	5093	4985	4218	3947	3288	2680	2621	2100	1858	1734	1537	1614	1592	1723	1591
Woodbury	48999	47074	40664	46150	43201	39128	31884	31073	28199	26143	23739	20682	20753	17334	18740	19744
Worth	2385	2478	2757	2742	2372	1823	1513	1262	1232	1131	1142	1072	1014	1133	1075	1031
Wright	6409	4966	4164	4367	3904	3173	2723	2858	2733	2301	2321	1959	1953	2045	2262	2478
State of Iowa	1146177		979305		889332		673422		586355		517702		480971		456606	
		1084580		969098		789054		625868		526368		464224		454566		450292

Table 5. Average Monthly Payments (\$) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	470	448	403	369	341	314	274	255	210	172	188	202	179	195	187	169
Adams	308	277	281	265	233	237	209	200	197	176	200	213	222	202	169	138
Allamakee	441	395	382	363	367	351	284	254	240	219	223	187	193	176	183	146
Appanoose	277	272	229	244	227	207	167	154	145	111	116	98	100	102	122	100
Audubon	622	534	538	485	448	403	337	293	261	221	226	207	220	161	146	135
Benton	361	346	281	256	285	227	217	173	152	137	125	123	126	116	115	99
Black Hawk	366	330	271	273	252	212	179	160	134	108	109	94	103	106	99	88
Boone	1530	1494	1514	1515	1656	1630	1484	1512	1306	1196	1136	1085	1126	1133	933	880
Bremer	451	368	323	319	298	247	214	189	145	132	132	121	146	153	129	107
Buchanan	432	335	341	281	284	250	240	215	191	179	179	158	164	207	153	125
Buena Vista	452	410	335	342	305	269	243	248	188	157	164	146	151	149	131	119
Butler	532	463	448	371	360	298	274	231	198	168	169	173	192	194	173	161
Calhoun	500	447	458	426	471	422	317	297	270	232	260	207	212	208	180	168
Carroll	572	515	459	438	420	379	341	287	255	211	221	203	207	218	182	183
Cass	401	352	381	382	373	316	267	220	209	195	212	174	188	182	143	146
Cedar	386	340	313	339	321	273	251	216	206	162	154	162	146	151	147	129
Cerro Gordo	404	355	352	365	341	289	237	207	179	142	149	139	140	137	121	115
Cherokee	560	466	507	440	425	470	431	377	340	322	284	247	340	376	181	205
Chickasaw	359	329	304	333	323	265	212	211	158	141	137	125	157	161	145	125
Clarke	358	311	306	282	274	217	243	199	211	156	172	163	157	147	135	117
Clay	483	385	334	326	315	300	244	233	191	153	153	142	139	128	116	117
Clayton	482	421	386	381	356	300	282	259	219	184	171	178	176	170	161	133
Clinton	366	316	293	294	306	257	194	176	157	120	107	94	101	111	107	99
Crawford	475	463	378	365	303	268	228	212	185	172	176	168	186	171	146	132
Dallas	397	346	344	342	319	278	256	241	203	160	161	143	155	160	134	120
Davis	474	348	308	320	274	250	200	172	138	130	135	104	136	147	122	116
Decatur	340	331	326	329	287	282	237	235	205	200	197	182	181	180	166	159
Delaware	374	342	312	307	304	236	194	162	137	104	110	97	104	111	103	81
Des Moines	312	290	240	255	236	218	192	182	155	118	141	110	105	112	100	99
Dickinson	367	399	371	343	336	272	238	188	178	153	157	165	116	140	122	105
Dubuque	409	374	342	298	289	261	227	204	163	137	134	126	131	137	137	123
Emmet	588	465	440	423	382	294	260	236	210	173	159	157	149	155	160	140
Fayette	388	333	290	279	267	232	207	184	165	143	151	143	147	147	134	118
Floyd	461	401	399	387	344	297	246	223	180	146	154	152	154	152	141	124
Franklin	398	352	379	414	354	297	257	275	216	179	190	182	177	188	177	158
Fremont	446	353	338	354	323	311	255	234	201	181	183	177	184	196	176	146
Greene	348	309	311	307	277	250	205	189	164	141	150	134	141	125	124	104
Grundy	365	306	318	388	348	310	300	249	212	183	191	168	174	182	169	148
Guthrie	433	356	353	350	314	292	258	226	215	211	211	214	186	201	186	157
Hamilton	392	352	364	383	316	295	232	202	168	147	174	145	136	142	127	123
Hancock	410	368	358	344	321	323	276	264	224	185	200	182	181	169	135	134
Hardin	428	353	358	379	361	334	270	247	199	173	179	172	160	155	144	131
Harrison	496	394	363	388	388	311	299	239	230	188	212	199	178	192	177	177
Henry	342	321	323	310	327	292	281	295	203	165	152	156	185	168	158	153
Howard	433	395	336	360	379	299	269	232	217	174	166	321	181	210	190	161
Humboldt	515	490	386	366	397	375	285	236	222	180	186	182	182	221	141	142
Ida	368	305	455	435	435	416	393	292	273	251	287	274	266	282	261	239
Iowa	502	389	429	415	397	353	297	285	243	205	211	190	193	209	181	167
Jackson	362	322	294	313	283	225	195	179	151	132	122	120	121	123	123	112
Jasper	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, 1980-1995 (cont.).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	365	320	302	284	285	267	226	198	182	143	138	139	146	136	127	107
Johnson	368	366	306	315	305	271	213	196	171	146	163	119	121	126	93	114
Jones	368	305	275	277	257	207	205	165	154	122	121	113	128	110	109	100
Keokuk	369	319	298	326	296	264	198	205	172	152	155	157	171	170	155	133
Kossuth	435	407	350	324	307	301	273	244	211	175	190	167	165	163	142	135
Lee	357	300	267	273	258	222	217	190	164	148	146	127	133	139	123	111
Linn	400	363	306	303	271	248	211	181	144	121	124	112	121	109	107	92
Louisa	318	304	269	285	300	270	221	208	168	132	133	109	116	117	102	90
Lucas	330	307	286	292	282	259	224	220	175	156	166	150	159	174	160	126
Lyon	548	418	391	427	442	421	365	316	298	231	219	220	196	199	179	159
Madison	501	412	406	366	353	349	273	278	266	247	238	218	213	227	212	180
Mahaska	377	341	302	307	293	247	227	213	190	157	157	136	139	145	120	114
Marion	380	331	305	317	307	270	224	205	192	143	151	133	136	153	135	105
Marshall	489	371	288	258	253	219	191	170	159	131	132	114	126	143	111	102
Mills	2166	2192	2360	2546	2666	2565	2319	2018	1845	1789	1533	1495	1660	1468	1247	1097
Mitchell	491	456	456	419	380	352	296	256	265	260	244	232	230	227	210	197
Monona	459	415	416	379	358	321	264	224	205	168	171	160	194	180	167	147
Monroe	415	376	302	330	304	257	210	204	173	149	153	145	162	162	143	108
Montgomery	452	387	413	404	372	301	263	234	234	189	185	167	184	157	152	133
Muscatine	285	246	223	223	223	191	161	137	110	102	104	97	102	112	108	95
O'Brien	524	442	410	396	404	362	297	247	211	187	215	207	220	221	180	178
Osceola	267	334	465	464	365	337	319	313	249	172	220	149	137	167	142	108
Page	418	339	340	329	288	261	209	206	223	185	215	147	185	220	174	168
Palo Alto	463	441	444	397	418	321	299	252	198	176	174	170	164	151	142	112
Plymouth	338	427	387	378	356	325	261	234	223	191	174	180	179	178	160	131
Pocahontas	471	470	427	429	357	369	334	282	254	208	207	176	208	192	197	171
Polk	388	346	333	332	292	282	236	217	196	159	165	141	146	139	119	100
Pottawattamie	341	318	290	286	260	271	211	192	172	154	169	141	154	147	116	109
Poweshiek	381	367	330	338	329	294	272	220	185	152	160	117	128	137	114	103
Ringgold	426	360	406	429	368	322	286	253	239	211	209	199	200	209	196	200
Sac	421	357	393	390	372	341	291	252	215	186	198	171	189	177	157	147
Scott	311	288	265	248	220	197	173	160	128	112	110	103	101	101	101	85
Shelby	434	385	409	395	364	293	269	244	217	223	258	214	212	215	206	169
Sioux	476	431	467	478	417	352	295	258	262	269	254	248	225	214	190	158
Story	402	332	309	308	313	279	242	208	187	171	181	166	173	185	157	136
Tama	466	408	386	343	329	290	262	248	201	174	184	173	175	171	147	122
Taylor	287	324	314	297	278	251	219	201	171	152	177	198	185	177	156	147
Union	364	275	283	280	256	250	211	191	182	142	138	141	164	148	137	122
Van Buren	347	319	281	281	269	250	251	209	144	123	136	111	110	109	95	80
Wapello	309	261	234	230	213	196	183	165	145	124	131	123	134	128	116	101
Warren	468	389	374	356	357	330	274	262	231	198	196	169	167	167	148	151
Washington	518	461	398	385	406	358	273	220	192	179	182	176	172	162	159	132
Wayne	346	328	298	305	289	245	254	220	206	167	186	154	158	168	150	134
Webster	391	355	322	312	286	249	210	192	163	142	147	129	137	133	124	98
Winnebago	509	476	516	489	433	357	336	319	279	219	221	208	170	167	152	152
Winneshiek	423	391	378	329	333	295	234	223	171	142	142	131	136	138	125	105
Woodbury	435	387	319	342	321	300	255	244	204	191	179	154	154	132	122	114
Worth	458	425	429	423	374	277	265	219	178	156	169	155	146	157	134	121
Wright	481	334	313	324	311	274	245	250	213	165	175	150	149	159	138	128
State of Iowa	415	373	346	343	324	294	255	234	202	174	176	159	167	166	148	132

Table 6. Adjusted Average Monthly Payments (in 1995 \$s) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	470	460	425	400	381	365	334	327	279	237	263	292	269	302	306	304
Adams	308	284	297	288	260	275	255	256	262	243	281	308	334	312	277	250
Allamakee	441	406	402	394	409	407	347	325	320	302	313	272	290	272	299	263
Appanoose	277	280	242	264	254	240	204	197	193	153	163	142	151	158	200	180
Audubon	622	549	568	526	500	467	412	375	348	304	316	300	330	249	240	245
Benton	361	355	296	278	318	263	265	221	202	189	175	178	190	180	188	178
Black Hawk	366	339	285	296	281	246	218	205	179	149	153	137	154	164	163	159
Boone	1530	1536	1596	1642	1847	1891	1813	1936	1739	1649	1591	1574	1690	1751	1529	1590
Bremer	451	378	340	346	332	287	262	242	193	182	185	175	218	236	211	193
Buchanan	432	345	359	304	317	291	293	276	254	247	251	229	245	320	250	226
Buena Vista	452	422	353	370	340	312	297	318	251	216	230	212	227	231	215	214
Butler	532	476	473	402	401	346	334	296	263	232	236	251	288	300	283	290
Calhoun	500	459	482	461	525	489	388	380	360	320	364	301	318	322	295	303
Carrroll	572	529	484	475	469	440	416	367	340	291	309	294	310	337	299	331
Cass	401	362	402	414	416	367	326	282	279	269	296	252	283	281	235	263
Cedar	386	350	330	368	358	317	307	277	275	224	216	234	219	234	240	234
Cerro Gordo	404	365	371	396	381	335	290	265	238	195	208	201	210	211	198	209
Cherokee	560	479	534	477	474	546	526	483	453	444	398	359	509	580	296	369
Chickasaw	359	338	320	361	360	307	259	270	210	195	192	181	236	249	237	226
Clarke	358	320	323	306	306	252	297	255	281	216	241	236	235	228	221	211
Clay	483	395	352	354	352	348	298	299	254	211	214	206	208	197	190	212
Clayton	482	433	407	413	397	348	344	332	292	254	240	258	264	263	264	239
Clinton	366	325	309	319	342	298	237	226	209	166	151	137	151	172	175	178
Crawford	475	476	398	396	338	311	279	271	246	238	246	244	279	265	239	238
Dallas	397	356	363	371	356	323	313	309	271	220	226	207	233	247	219	216
Davis	474	358	325	347	305	290	244	221	184	180	188	150	204	228	201	209
Decatur	340	340	344	356	321	328	289	301	274	276	276	263	272	278	273	287
Delaware	374	352	328	333	339	274	237	208	182	144	154	141	156	171	169	146
Des Moines	312	298	253	276	263	252	234	234	207	163	198	159	158	174	165	179
Dickinson	367	410	392	372	375	315	291	240	237	211	220	239	174	216	200	190
Dubuque	409	384	361	323	322	303	278	261	217	189	187	183	197	212	224	222
Emmet	588	478	464	458	426	341	318	302	280	239	222	227	223	240	262	252
Fayette	388	343	306	303	298	270	252	236	220	197	212	208	221	227	220	212
Floyd	461	412	421	420	384	345	301	286	239	201	216	220	231	235	230	224
Franklin	398	362	400	449	395	344	314	352	288	247	266	264	265	291	290	286
Fremont	446	363	357	384	361	361	312	299	268	250	256	257	275	303	288	265
Greene	348	318	328	333	309	290	250	242	219	194	210	194	212	193	202	188
Grundy	365	314	335	421	389	360	366	319	282	253	267	243	261	281	277	267
Guthrie	433	366	372	379	350	338	315	289	286	292	296	310	279	310	305	284
Hamilton	392	362	384	415	352	343	284	258	223	203	243	211	204	220	208	222
Hancock	410	378	378	372	358	375	337	338	298	256	280	264	271	261	221	242
Hardin	428	363	378	411	403	388	330	317	266	239	250	250	240	239	236	237
Harrison	496	405	382	420	433	361	365	306	306	259	297	288	267	297	290	320
Henry	342	330	341	337	364	339	343	378	270	228	213	226	277	260	259	277
Howard	433	406	355	390	423	348	329	297	290	240	232	465	271	324	311	292
Humboldt	515	504	407	397	443	435	348	302	296	249	260	263	274	341	231	257
Ida	368	314	479	472	485	483	480	374	364	347	402	398	399	435	427	432
Iowa	502	400	452	450	443	409	363	365	324	282	295	275	289	323	297	302
Jackson	362	331	310	340	315	261	238	229	201	182	170	175	182	190	202	202
Jasper	481	459	417	421	405	349	302	308	266	237	248	213	215	230	212	193

Table 6. Adjusted Average Monthly Payments (in 1995 \$\$) Per Person Eligible for Title XIX Benefits in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	365	329	318	307	318	310	276	254	242	197	193	202	219	210	208	194
Johnson	368	376	323	342	340	315	260	250	228	202	228	173	181	195	152	205
Jones	368	313	290	301	286	240	251	211	205	169	169	164	192	171	179	181
Keokuk	369	328	314	354	331	306	242	263	229	210	218	227	256	262	253	240
Kossuth	435	419	369	351	342	349	334	313	280	242	267	242	247	252	233	244
Lee	357	308	282	296	287	257	265	243	218	204	204	185	200	215	201	201
Linn	400	374	322	329	303	288	257	231	191	166	174	163	182	169	175	166
Louisa	318	313	284	309	335	313	270	266	224	182	187	158	175	181	167	163
Lucas	330	315	301	317	315	301	274	282	233	215	233	217	238	269	262	228
Lyon	548	430	413	463	493	488	445	404	396	318	307	318	294	308	294	287
Madison	501	424	428	397	394	405	334	357	354	341	333	316	319	350	347	325
Mahaska	377	351	319	333	327	286	277	272	253	217	219	197	209	224	196	207
Marion	380	341	322	343	343	313	274	263	255	197	211	193	204	236	221	189
Marshall	489	382	304	279	282	254	233	218	211	181	185	166	190	222	182	184
Mills	2166	2254	2488	2761	2974	2976	2832	2584	2457	2468	2147	2168	2490	2270	2043	1981
Mitchell	491	469	481	455	423	409	361	328	352	359	342	337	345	351	343	355
Monona	459	427	438	411	400	373	322	287	273	231	239	232	291	278	274	266
Monroe	415	387	319	358	339	299	257	261	230	205	214	210	244	250	235	194
Montgomery	452	398	436	438	415	349	321	299	312	261	259	242	277	243	249	240
Muscatine	285	253	235	242	249	221	197	175	147	141	145	141	153	174	178	172
O'Brien	524	454	432	429	451	420	362	316	281	257	301	300	330	342	295	322
Osceola	267	343	491	503	407	391	390	400	331	238	308	216	205	258	232	195
Page	418	349	358	357	322	303	255	264	298	255	301	213	278	340	286	304
Palo Alto	463	454	468	431	466	373	365	322	264	243	244	247	246	234	232	201
Plymouth	338	439	408	410	397	377	318	300	298	263	243	261	269	275	262	237
Pocahontas	471	484	451	465	398	428	408	361	338	287	290	256	312	296	323	309
Polk	388	356	351	359	326	328	289	278	261	219	231	204	219	215	195	181
Pottawattamie	341	327	306	311	290	314	258	246	229	212	236	205	231	228	190	197
Poweshiek	381	378	347	367	367	341	332	281	247	209	224	170	192	212	188	186
Ringgold	426	370	428	465	411	374	349	323	319	291	293	288	300	323	320	362
Sac	421	367	414	422	415	396	355	322	286	257	278	248	284	273	257	266
Scott	311	296	279	269	245	229	211	205	170	154	154	149	152	157	165	153
Shelby	434	396	431	429	406	340	328	312	290	308	361	310	317	332	337	304
Sioux	476	444	492	518	465	408	360	331	349	371	355	360	337	331	311	285
Story	402	342	326	334	349	324	295	267	249	236	254	241	260	286	257	246
Tama	466	419	407	372	367	337	320	318	268	240	257	251	262	264	240	219
Taylor	287	333	332	322	310	291	267	257	228	210	248	287	277	273	255	265
Union	364	283	298	304	286	290	258	245	242	196	194	204	246	228	225	220
Van Buren	347	328	296	305	301	290	306	267	192	170	191	161	165	168	156	144
Wapello	309	269	247	249	237	227	224	212	193	171	184	179	201	198	190	182
Warren	468	400	394	386	398	382	335	335	308	273	275	245	250	259	243	273
Washington	518	474	420	418	453	416	334	281	256	247	256	255	259	250	260	239
Wayne	346	338	314	330	322	285	310	282	274	231	260	223	237	259	246	242
Webster	391	365	339	338	319	289	257	246	218	197	206	187	205	206	203	177
Winnebago	509	490	544	530	483	414	411	408	371	302	309	302	255	258	249	275
Winneshiek	423	402	399	357	371	342	286	285	227	196	199	190	204	213	205	190
Woodbury	435	398	337	370	358	348	311	312	272	264	250	223	231	203	200	207
Worth	458	437	452	459	417	322	323	280	237	216	236	225	219	243	220	218
Wright	481	343	330	351	347	318	300	320	284	227	246	218	224	246	227	231
State of Iowa	415	383	365	372	361	342	311	300	269	240	246	231	250	256	242	239

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, 1985-1995.

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	-0.2	-1.5	-7.3	-1.3	33.7	36.2	0.8	72.2	142.9	2.2	28.8	78.7
Adams	-1.0	-7.5	-15.2	-2.9	30.7	57.1	5.0	46.4	72.2	8.5	12.0	9.6
Allamakee	1.1	1.6	-3.8	-0.3	36.7	32.7	8.3	48.4	87.4	8.6	8.4	40.9
Appanoose	-0.1	-0.5	-5.0	-0.2	15.4	14.9	-1.4	32.9	94.9	-1.1	15.4	69.9
Audubon	-1.1	-6.3	-15.1	-5.2	22.0	32.7	7.4	62.6	161.2	13.3	33.2	96.8
Benton	2.0	7.6	7.2	-5.7	9.5	28.8	-4.2	50.1	166.1	1.7	37.3	106.3
Black Hawk	-0.7	-0.6	-5.4	-1.4	9.3	10.0	6.3	62.7	163.4	8.0	48.8	139.2
Boone	1.1	1.3	0.0	-4.7	14.2	11.5	-5.1	-7.6	7.2	-0.4	-19.1	-3.8
Bremer	0.2	1.8	-2.1	-8.7	30.8	24.1	8.8	106.0	203.3	19.3	57.1	143.8
Buchanan	-0.1	2.2	-2.4	-7.5	4.8	-3.7	15.9	56.0	65.6	25.2	48.5	72.1
Buena Vista	-0.2	0.5	-2.5	3.9	31.9	47.7	11.3	90.6	189.7	7.1	44.9	96.5
Butler	0.1	0.1	-6.2	-4.6	17.9	22.3	6.6	81.3	175.3	11.8	53.8	125.4
Calhoun	-1.9	-0.7	-7.4	-0.4	18.9	34.6	8.4	21.5	84.9	8.9	2.2	37.4
Carroll	0.5	0.8	-3.7	-2.0	20.8	64.9	5.9	57.0	205.4	8.1	30.0	85.1
Cass	-0.5	-0.5	-8.1	-3.5	44.0	56.1	6.9	57.3	111.3	10.8	9.3	35.5
Cedar	1.0	1.4	-2.9	-6.5	12.2	42.3	3.3	36.5	155.1	10.3	21.8	78.7
Cerro Gordo	0.2	-0.2	-3.8	-2.9	18.9	51.6	7.3	43.1	193.4	10.7	20.6	94.2
Cherokee	-1.7	-3.6	-11.0	1.9	22.9	35.7	19.0	26.1	90.8	16.9	2.6	40.7
Chickasaw	0.3	1.0	-7.3	-8.4	37.4	40.0	-2.9	60.4	161.6	6.2	16.9	87.0
Clarke	-0.3	-1.8	-3.0	1.7	40.9	53.2	13.8	100.6	128.0	11.9	42.1	48.5
Clay	-0.9	-1.0	-5.3	-7.8	9.7	14.9	12.7	52.5	159.3	22.3	38.8	125.7
Clayton	0.0	-1.2	-6.7	-0.5	10.2	22.6	10.9	52.8	146.8	11.3	38.5	100.8
Clinton	-0.2	-0.3	-5.0	-1.2	21.3	28.8	11.2	48.7	213.2	12.6	22.8	142.4
Crawford	-0.2	-1.9	-10.2	-4.7	26.3	103.7	-4.9	92.9	293.6	-0.2	52.7	93.1
Dallas	2.5	10.7	12.6	3.7	20.9	18.2	15.7	48.6	107.9	11.5	22.9	75.7
Davis	1.0	2.7	-2.9	-5.5	-3.5	2.8	25.2	57.9	158.8	32.4	63.4	152.1
Decatur	1.1	-1.9	-8.2	-3.1	38.4	63.8	-3.3	43.5	101.7	0.0	3.7	23.2
Delaware	0.2	2.0	-0.7	2.1	10.2	-2.4	8.5	50.5	137.4	6.3	36.5	142.9
Des Moines	-0.5	0.2	-2.7	-1.3	17.0	30.7	3.1	44.4	106.2	4.7	23.8	57.6
Dickinson	1.4	5.1	4.1	2.1	31.5	44.3	-8.7	53.0	140.8	-10.5	16.5	66.8
Dubuque	0.2	2.5	-0.6	-3.0	13.6	4.0	3.2	53.1	127.2	6.5	35.0	118.7
Emmet	-1.2	-3.6	-10.1	-0.7	8.3	10.7	22.1	86.9	193.0	23.0	72.4	164.9
Fayette	-0.4	-0.2	-6.8	-4.9	23.4	45.7	7.6	77.6	166.4	13.1	43.7	83.0
Floyd	-0.7	-2.7	-10.4	-2.4	24.2	39.4	9.1	65.8	197.1	11.9	33.6	113.4
Franklin	0.0	-2.3	-10.4	-0.8	29.2	61.5	8.9	49.2	140.9	9.9	15.7	49.6
Fremont	-0.9	-1.6	-8.3	-5.4	42.6	53.6	16.5	76.4	167.5	22.9	23.5	74.2
Greene	-0.2	0.3	-10.0	-0.1	31.2	40.1	9.2	57.1	131.9	9.4	20.0	65.7
Grundy	1.2	2.3	-7.2	11.3	1.1	1.4	29.5	2.8	38.9	16.2	1.4	36.7
Guthrie	1.1	4.3	-0.1	-6.2	29.3	29.5	11.0	65.5	89.5	18.3	28.1	46.3
Hamilton	1.2	-0.8	-4.7	-12.3	18.9	42.3	-5.2	35.9	128.9	8.3	14.3	61.3
Hancock	0.8	-3.6	-9.0	-4.5	36.5	76.9	3.6	49.3	159.0	8.5	9.3	46.4
Hardin	0.0	-2.1	-10.5	-4.2	44.2	74.7	12.9	59.3	199.1	17.9	10.3	71.2
Harrison	1.3	2.6	-2.2	-1.8	27.2	52.1	20.4	75.1	154.7	22.5	37.4	67.0
Henry	0.3	3.1	5.2	-1.4	33.6	54.9	2.2	34.7	148.8	3.6	0.9	60.6
Howard	0.2	0.8	-6.5	-6.1	25.5	25.1	0.0	56.2	133.1	6.7	24.4	86.6
Humboldt	-1.0	-4.4	-11.5	-3.9	23.2	35.3	-1.9	45.8	167.5	2.2	18.4	98.1
Ida	-1.4	-2.1	-6.4	8.6	33.5	53.4	27.1	1.6	40.4	17.2	-23.8	-8.5
Iowa	1.6	3.8	0.7	-5.8	27.8	66.1	18.4	56.8	182.9	25.5	22.7	70.2
Jackson	-0.5	0.9	-6.7	-6.1	12.2	7.9	2.4	55.6	129.1	9.4	38.7	112.9
Jasper	0.1	1.1	1.3	-2.7	18.5	11.7	2.0	63.3	116.6	4.8	37.8	94.0

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, 1985-1995 (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	-0.1	3.2	3.0	-4.4	17.0	58.6	6.1	37.7	200.0	10.9	17.7	89.1
Johnson	0.7	5.4	14.4	2.6	37.8	96.4	0.5	61.3	216.8	-2.1	16.8	61.4
Jones	1.3	4.3	3.2	-2.2	19.2	22.2	14.9	82.5	165.9	17.6	53.3	117.8
Keokuk	0.6	-0.5	-6.7	-1.9	13.8	44.0	10.3	37.2	144.0	12.5	20.6	69.3
Kossuth	-0.2	-2.4	-11.1	-6.1	27.2	72.3	-2.5	58.5	180.9	3.8	24.6	62.9
Lee	0.2	1.1	-4.1	-7.3	13.7	18.5	7.4	57.8	107.6	15.9	38.9	75.0
Linn	1.0	5.8	8.3	-3.2	19.6	22.5	3.5	65.9	181.5	7.0	38.9	129.9
Louisa	0.4	1.7	0.0	-3.9	26.6	21.2	-2.5	28.2	105.8	1.6	1.6	70.1
Lucas	0.1	-0.6	-7.7	1.7	32.6	24.8	6.6	45.4	77.3	4.8	9.6	41.6
Lyon	-0.1	-0.5	-3.9	10.4	45.4	77.7	40.8	63.3	217.8	27.4	12.3	78.5
Madison	3.3	8.1	10.5	2.3	18.6	24.7	21.0	46.9	87.6	18.2	23.7	50.5
Mahaska	0.8	1.8	0.4	-8.2	4.9	23.8	-1.5	38.1	112.7	7.4	31.8	72.1
Marion	1.4	3.7	5.4	-2.8	26.1	31.5	8.4	53.1	136.9	11.4	21.4	80.1
Marshall	0.9	0.9	-4.1	-1.9	31.9	56.2	25.7	154.1	313.8	28.0	92.5	164.3
Mills	1.5	4.5	3.5	-2.5	15.5	3.3	-6.3	-16.0	4.2	-3.9	-27.2	0.9
Mitchell	0.4	1.8	-2.6	-8.5	24.5	35.6	-4.2	49.7	94.5	4.7	20.0	43.6
Monona	-0.4	-0.7	-8.0	-4.2	9.1	29.6	3.0	34.3	148.8	7.5	23.1	92.1
Monroe	0.1	0.8	-4.8	-1.7	11.1	27.6	5.4	54.2	146.7	7.2	38.8	93.9
Montgomery	-0.6	-1.1	-7.0	0.4	44.8	51.9	14.2	87.6	165.7	13.6	29.5	74.5
Muscatine	0.3	3.8	2.5	-1.0	14.4	28.4	11.6	47.4	152.1	12.6	29.0	96.6
O'Brien	-0.3	-0.6	-5.9	6.5	37.3	54.9	22.8	71.4	169.8	15.4	24.8	74.1
Osceola	-1.2	-2.6	-8.8	3.0	12.7	13.9	-19.7	-23.0	-1.2	-22.2	-31.7	-13.3
Page	-0.4	-1.1	-6.3	-1.4	18.8	33.9	17.9	63.6	85.9	19.8	38.0	38.9
Palo Alto	-2.2	-4.4	-14.2	-2.6	11.2	8.8	-0.5	38.3	106.7	2.0	24.1	89.8
Plymouth	0.5	3.6	2.3	-8.6	12.9	34.3	-29.7	1.2	86.6	-23.0	-10.3	39.1
Pocahontas	0.0	-4.3	-15.1	0.0	35.3	49.4	-2.7	48.7	142.6	-2.7	10.0	62.4
Polk	1.1	6.9	13.4	-2.9	23.1	36.6	5.9	45.8	129.4	9.0	18.3	68.0
Pottawattamie	0.4	1.3	-1.3	-4.5	24.6	41.8	-0.4	35.3	105.0	4.3	8.6	44.5
Poweshiek	-0.1	-0.1	0.7	1.2	37.7	38.8	2.2	53.9	136.0	0.8	11.7	70.1
Ringgold	0.0	-0.9	-7.2	0.2	20.1	18.6	15.3	37.0	72.9	15.1	13.9	45.4
Sac	-0.6	-1.9	-7.6	0.5	29.1	49.6	15.4	37.3	127.0	14.7	6.3	51.4
Scott	0.4	3.8	1.4	-0.8	20.2	36.8	4.1	63.3	175.9	5.1	35.8	101.9
Shelby	-0.4	-1.1	-7.8	7.4	22.0	64.1	17.7	55.4	97.1	9.6	27.6	20.2
Sioux	0.2	5.0	3.2	7.9	42.4	68.9	15.8	66.0	126.3	7.2	16.7	34.1
Story	0.2	0.5	0.8	3.1	39.7	86.8	21.3	73.4	195.5	17.5	24.1	58.3
Tama	0.3	2.6	-4.2	-5.7	14.7	29.9	4.9	58.8	135.5	11.2	38.3	81.3
Taylor	0.4	0.5	-8.8	-1.5	16.2	22.5	-15.2	14.5	42.1	-13.8	-1.4	15.7
Union	-0.3	-2.6	-5.5	2.5	11.7	21.2	31.7	40.2	127.4	28.6	25.5	87.6
Van Buren	0.4	1.2	-4.3	-0.9	16.6	19.2	4.5	39.1	116.6	5.8	19.7	81.7
Wapello	-0.6	0.2	-6.3	0.7	18.8	29.8	15.9	61.7	118.5	14.9	36.1	67.9
Warren	1.2	8.1	12.0	-3.0	18.7	21.5	13.6	45.4	107.1	17.0	22.5	70.2
Washington	1.1	4.6	3.7	-4.2	15.2	42.4	4.7	43.4	188.6	9.3	24.5	102.3
Wayne	-0.8	-2.8	-8.7	-1.2	20.1	26.4	1.2	45.8	67.9	2.4	21.4	33.1
Webster	-0.5	-2.8	-8.2	-2.6	12.3	31.6	4.2	51.5	149.4	7.1	35.3	89.8
Winnebago	-0.1	-1.8	-5.1	-2.7	23.2	51.7	1.1	51.4	149.7	3.9	22.9	64.7
Winneshiek	0.1	1.0	-1.7	-0.5	31.2	44.8	4.7	62.2	207.6	5.2	23.7	112.6
Woodbury	0.6	3.6	3.0	-4.7	0.3	18.9	4.1	25.2	106.4	9.3	25.0	74.0
Worth	0.6	-0.8	-8.9	-8.2	-8.1	7.7	-3.8	30.8	108.8	4.8	42.2	94.1
Wright	0.9	0.3	-7.0	-7.9	33.5	41.2	29.1	102.0	176.1	40.2	51.3	95.5
State of Iowa	0.4	2.3	0.4	-2.4	19.6	31.3	5.7	45.3	121.4	8.4	21.3	68.7

Total Annual Title XIX Payments

More than \$1.1 billion was paid in Title XIX medical benefits in Iowa in 1995 (Table 3). This was nearly \$92 million more than in 1994 and the highest amount of the period reported. Since 1986, the annual change has been at least \$48 million each year, with the greatest increase (+\$128 million) occurring between 1989 and 1990.

Total 1995 payments were less than \$2 million in Adams, Grundy, and Osceola. In contrast, Polk's figure was nearly \$136 million; payments in Black Hawk, Linn, Mills, Scott, and Woodbury exceeded \$40 million that year.

Although total payments declined in 13 counties between 1994 and 1995, large increases took place when the 1985-1995 period is examined. Statewide, payments rose nearly \$777 million between 1985 and 1995, an increase of 210 percent. All but six counties (Boone, Grundy, Ida, Mills, Osceola, Taylor) experienced percentage gains greater than 100. Dollar increases ranged from \$277,000 in Osceola to \$93.6 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 \$518 million in 1985 to \$1.1 billion in 1995, a gain of 121.4 percent (Table 7). Nine counties reported adjusted increases of at least 200 percent, with Marshall highest (+313.8%). Twenty counties had increases of less than 100 percent, and one (Osceola) noted a decline in total payments after adjusting for inflation.

Average Monthly Title XIX Payments Per Person Eligible

Medical benefits for the state averaged \$415 per person eligible per month in 1995, \$42 higher than in 1994 (Table 5). Among the counties, payments averaged less than \$300 per person eligible in Appanoose, Muscatine, Osceola, and Taylor. Two (Boone, \$1,530; Mills, \$2,166) were substantially higher than all others, results strongly influenced by residents of state facilities located in those counties. The next highest figure was in Audubon County, the only other one above \$600.

Monthly payments per person eligible averaged \$239 higher statewide in 1995 than in 1985. All counties had higher amounts in the later year as well. Most (81) 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 1985 to 1995 was \$169 (Table 6). All counties except Boone, Ida, and Osceola had gains in adjusted payments per person eligible, with 19 counties increasing by at least 100 percent.

Change in Selected Title XIX Figures

The number eligible for Title XIX benefits increased by 31.3 percent between 1985 and 1995, compared with increases of 68.7 percent in adjusted average monthly payments per person and 121.4 percent in adjusted total benefits (Table 7). 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 average monthly and total benefits. 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 change in some years 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.

Aid to Families With Dependent Children in Iowa's Counties: 1980-1995

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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 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 AFDC 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 AFDC 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. 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 AFDC Cases and Recipients

Iowa averaged more than 31,500 regular AFDC cases monthly for each year from 1980 to 1995 (Table 1). The highest monthly average was 36,129 in 1981 followed by 35,679 in 1994. The 1995 average of 31,967 cases per month was 3,712 lower than the 1994 figure; only the decline from 1981 to 1982 was greater. The most recent numbers reflect changes made in the program the last few years.

In 1994, eight counties (Adams, Audubon, Howard, Ida, Mitchell, Osceola, Pocahontas, 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 5,114 the highest.

The decrease in regular AFDC cases occurring from 1994 to 1995 was the first since 1989. All but eight of Iowa's 99 counties had decreases between 1994 and 1995; Polk's decline (-687) was the largest. Eleven other counties reported declines of more than 50 cases.

A 10-year comparison (1985-1995) reveals that Iowa had 2,683 fewer regular cases at the end of the period than at the beginning. Two-thirds (68) of Iowa's counties also had fewer cases in 1995 than in 1985, with declines of 400 or more cases in Black Hawk, Linn, and Woodbury. Two others (Dubuque, Jasper) decreased by at least 100 cases. Two counties (Johnson, Scott) reported gains of more than 100 cases.

Table 1. Average Monthly Number of Regular AFDC Cases in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	50	50	56	57	49	46	39	48	56	69	66	64	60	51	66	66
Adams	47	53	47	48	43	36	39	43	52	46	40	30	27	22	33	35
Allamakee	86	84	84	81	67	72	79	87	93	105	108	110	109	126	145	144
Appanoose	266	273	274	290	297	300	322	326	301	301	307	328	328	304	306	306
Audubon	37	42	37	41	42	36	33	37	43	47	47	37	37	40	55	59
Benton	183	219	216	225	216	225	199	209	231	217	207	207	197	198	206	182
Black Hawk	2447	2629	2539	2549	2526	2550	2703	2743	2893	2972	2888	2907	2682	2538	2752	2728
Boone	219	245	252	248	228	209	229	239	251	263	260	262	275	269	285	285
Bremer	142	166	148	126	131	122	124	140	162	180	174	181	157	151	180	168
Buchanan	202	223	235	242	248	236	245	257	289	280	282	269	256	248	273	260
Buena Vista	147	157	154	157	137	127	130	144	151	166	153	150	146	149	172	162
Butler	106	110	102	123	131	122	115	121	121	128	131	120	118	98	123	124
Calhoun	79	98	90	92	86	79	93	100	106	99	93	98	95	97	119	114
Carroll	124	128	128	122	122	114	122	117	128	116	109	110	105	110	132	131
Cass	160	178	170	148	138	137	134	129	133	142	141	140	133	138	188	173
Cedar	121	142	124	125	121	122	118	115	128	116	118	105	110	126	151	160
Cerro Gordo	489	570	561	558	539	539	534	547	567	558	527	525	540	566	656	627
Cherokee	104	113	92	91	97	86	89	92	115	116	108	105	107	104	137	138
Chickasaw	77	92	84	75	73	80	90	89	106	106	98	98	94	74	93	101
Clarke	126	135	111	105	90	97	90	100	105	105	94	97	105	103	107	97
Clay	128	146	152	162	159	154	172	184	195	201	198	194	189	179	208	189
Clayton	71	85	89	105	109	102	119	124	121	132	134	139	141	140	153	159
Clinton	829	901	925	887	866	834	823	813	831	822	808	752	728	656	680	643
Crawford	185	191	168	164	166	162	162	162	163	169	154	156	156	132	147	166
Dallas	264	283	292	298	276	275	286	283	309	323	319	335	322	267	305	290
Davis	85	94	90	87	85	100	101	99	94	88	99	98	89	83	86	84
Decatur	113	124	121	124	114	104	100	102	104	112	105	101	99	103	120	118
Delaware	111	113	120	122	119	131	146	169	178	177	167	159	155	156	181	171
Des Moines	665	730	732	705	685	674	652	652	679	698	724	699	663	645	741	657
Dickinson	92	96	76	82	91	91	107	112	113	109	114	119	126	122	140	147
Dubuque	614	749	751	761	749	769	804	865	918	963	971	1011	996	936	968	890
Emmet	77	96	101	101	106	115	117	125	146	153	142	128	127	131	147	146
Fayette	219	253	265	248	236	203	201	200	206	213	213	213	208	198	227	227

Table 1. Average Monthly Number of Regular AFDC Cases in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	183	215	191	190	191	200	209	196	214	214	202	208	208	207	225	210
Franklin	82	94	81	86	79	84	92	90	89	92	82	85	83	85	110	126
Fremont	109	124	108	92	87	84	95	96	97	98	95	84	78	72	96	102
Greene	99	107	92	81	83	82	83	92	92	106	93	94	94	94	117	112
Grundy	55	57	65	68	67	63	60	57	60	58	65	64	68	59	76	73
Guthrie	91	114	115	116	108	93	99	110	121	105	105	100	97	96	116	127
Hamilton	110	143	144	134	132	117	123	138	156	138	131	152	157	153	171	175
Hancock	69	87	83	84	73	80	82	82	82	78	78	81	81	83	101	101
Hardin	183	218	209	197	174	165	162	172	171	168	160	171	171	175	202	194
Harrison	153	167	165	172	156	150	156	168	170	161	176	183	179	168	205	224
Henry	194	225	203	188	169	165	165	157	144	156	170	174	174	152	172	177
Howard	48	59	60	63	50	54	67	64	71	78	78	81	73	58	69	72
Humboldt	63	74	74	69	64	65	75	94	95	91	86	72	72	77	104	102
Ida	48	43	41	45	42	29	35	42	50	49	46	33	36	36	43	46
Iowa	72	89	74	69	69	73	64	71	80	76	71	63	68	65	79	82
Jackson	188	219	205	204	222	220	215	234	249	244	241	242	242	223	212	203
Jasper	283	306	325	315	300	291	300	319	359	400	415	403	401	387	438	408
Jefferson	173	195	172	168	175	169	166	151	166	148	149	154	171	172	185	195
Johnson	571	599	550	492	465	455	449	464	483	476	452	449	427	419	500	469
Jones	153	157	152	139	136	145	159	184	198	208	197	191	183	189	207	193
Keokuk	115	138	143	133	145	137	139	126	126	119	102	95	91	83	106	106
Kossuth	104	124	117	120	119	116	101	108	110	110	99	94	110	121	151	152
Lee	601	695	684	699	704	663	640	659	709	707	685	692	692	648	690	633
Linn	1824	2090	2050	2044	1996	1924	1917	2017	2208	2281	2272	2299	2232	2117	2212	2100
Louisa	164	177	170	169	151	135	132	145	157	155	150	153	148	145	167	182
Lucas	147	144	124	129	130	122	123	128	132	143	143	147	137	136	143	159
Lyon	54	55	53	45	38	42	45	52	49	48	49	50	47	46	52	49
Madison	79	95	96	95	103	95	103	103	104	105	98	99	100	88	100	105
Mahaska	255	278	264	269	278	274	277	274	296	299	279	279	272	258	308	309
Marion	243	281	271	256	237	230	228	228	252	258	262	276	272	247	288	297
Marshall	480	558	548	533	481	455	452	444	458	438	418	447	424	421	473	485
Mills	192	201	163	150	136	137	137	144	149	138	142	134	127	127	167	171
Mitchell	43	60	58	60	59	48	54	62	59	61	57	57	59	52	59	63

Table 1. Average Monthly Number of Regular AFDC Cases in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	86	107	111	124	134	125	117	129	130	134	119	117	117	124	134	136
Monroe	105	126	112	116	123	123	130	139	131	131	123	108	108	101	108	104
Montgomery	142	147	158	153	139	124	118	118	140	151	144	137	134	129	142	147
Muscatine	608	645	620	625	623	615	618	619	669	688	666	626	600	577	614	604
O'Brien	82	86	82	80	71	65	68	83	89	85	78	75	78	69	93	95
Osceola	34	37	31	29	30	28	32	32	32	40	37	34	32	30	36	46
Page	183	208	198	202	209	208	220	222	218	223	222	212	212	186	222	222
Palo Alto	54	71	66	70	66	68	71	75	77	92	101	93	97	96	113	122
Plymouth	103	110	95	96	108	98	110	111	118	124	124	121	119	105	140	144
Pocahontas	48	62	61	73	67	60	51	55	60	61	71	69	66	65	76	73
Polk	5114	5801	5654	5681	5348	4919	4717	4805	4850	5013	5159	5288	5240	4955	5458	5293
Pottawattamie	1443	1640	1603	1549	1505	1393	1354	1398	1417	1410	1431	1488	1542	1556	1860	1885
Poweshiek	143	174	155	156	146	131	120	131	143	152	150	147	144	133	149	141
Ringgold	52	52	51	51	51	56	64	63	62	57	63	56	54	52	61	63
Sac	80	91	82	88	83	78	81	76	78	85	87	96	92	89	98	95
Scott	3347	3605	3475	3426	3274	3123	3071	3134	3163	3111	3008	2985	2875	2606	2700	2647
Shelby	82	76	73	69	76	75	67	80	84	80	84	83	81	79	86	82
Sioux	91	96	80	81	79	78	94	92	91	86	88	88	96	90	103	122
Story	401	401	379	377	354	335	331	338	379	361	322	296	272	241	294	303
Tama	130	152	169	193	178	170	171	188	198	185	181	178	177	179	222	227
Taylor	85	105	99	90	94	93	85	86	101	107	103	102	85	74	89	93
Union	185	179	189	188	188	191	207	205	216	225	199	202	185	175	198	199
Van Buren	59	72	76	72	70	71	72	77	82	82	81	86	83	78	90	95
Wapello	651	698	693	703	679	664	693	710	737	731	691	697	642	590	670	665
Warren	329	377	350	332	306	287	280	274	306	316	321	326	316	293	353	333
Washington	125	153	145	146	145	149	134	149	163	152	147	146	128	142	159	161
Wayne	80	85	91	92	76	81	81	77	80	86	95	99	94	92	102	103
Webster	625	674	682	684	681	650	633	648	694	685	656	672	658	644	720	728
Winnebago	62	84	70	68	67	71	58	50	58	64	67	61	72	72	94	91
Winneshiek	78	91	79	81	86	85	84	96	103	111	102	101	96	92	97	85
Woodbury	1305	1538	1652	1757	1726	1665	1635	1716	1770	1783	1786	1811	1775	1732	1987	2012
Worth	47	58	63	60	54	55	51	59	76	74	69	67	67	74	79	79
Wright	118	124	121	133	123	118	117	121	125	139	137	134	134	126	164	172
State of Iowa	31967	35679	34793	34666	33515	32259	32245	33198	34677	35119	34650	34752	33923	32363	36129	35518

Table 2. Average Monthly Number of Regular AFDC Recipients in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	138	136	151	158	146	133	103	129	158	209	201	202	174	138	174	183
Adams	137	160	128	143	122	115	118	132	156	141	126	92	81	64	91	99
Allamakee	237	237	231	223	178	204	221	241	252	299	310	302	280	323	389	405
Appanoose	692	686	710	784	814	801	847	888	832	938	929	989	948	901	881	878
Audubon	92	113	103	115	125	108	100	106	113	131	135	106	107	112	153	162
Benton	468	573	571	601	599	642	542	566	612	630	591	586	533	529	553	506
Black Hawk	6371	6980	6788	6799	6859	7047	7328	7425	7720	8619	8343	7947	6899	6511	6909	6971
Boone	591	656	677	655	590	536	576	609	644	708	732	728	752	732	748	749
Bremer	369	427	380	316	336	316	322	373	428	542	497	497	418	393	447	416
Buchanan	525	606	623	647	676	634	659	696	756	801	826	771	718	675	710	725
Buena Vista	377	393	400	404	352	328	325	367	374	474	444	426	403	415	464	433
Butler	284	297	272	337	377	335	322	338	339	384	378	328	304	251	303	338
Calhoun	200	246	227	240	238	232	279	279	289	294	263	265	256	258	314	305
Carroll	323	340	339	324	327	317	324	307	324	331	302	303	280	297	355	353
Cass	417	489	485	407	370	373	369	342	349	397	393	377	366	379	502	463
Cedar	297	346	308	315	320	336	315	305	338	323	333	277	301	351	397	419
Cerro Gordo	1215	1429	1411	1449	1418	1449	1416	1429	1461	1593	1500	1443	1416	1487	1713	1647
Cherokee	249	286	240	250	274	231	237	248	310	345	315	297	281	271	354	373
Chickasaw	205	239	208	193	194	214	234	239	286	298	280	269	248	196	233	264
Clarke	343	358	303	293	250	282	263	293	298	309	278	281	292	294	301	273
Clay	315	364	380	424	419	406	442	456	484	560	556	520	485	452	533	472
Clayton	191	234	243	286	307	304	328	347	344	395	399	407	396	387	423	450
Clinton	2097	2295	2367	2263	2268	2226	2191	2128	2115	2310	2266	2057	1932	1784	1775	1673
Crawford	492	516	467	456	459	441	438	435	413	456	418	408	413	361	391	447
Dallas	701	766	765	779	741	741	776	766	827	945	934	946	890	746	822	773
Davis	218	253	243	237	223	270	271	273	255	259	301	292	252	237	249	237
Decatur	289	327	322	319	295	264	257	280	277	304	294	275	276	299	358	344
Delaware	304	324	347	338	344	386	414	487	508	546	531	503	453	449	516	484
Des Moines	1755	1931	1970	1900	1887	1893	1799	1790	1810	2012	2092	1956	1816	1780	2013	1814
Dickinson	224	239	197	200	233	237	287	303	290	305	331	325	355	354	385	395
Dubuque	1613	1992	1997	2024	2020	2090	2161	2313	2432	2865	2875	2901	2777	2604	2691	2470
Emmet	209	258	272	274	300	319	329	355	401	459	426	370	362	359	400	407
Fayette	574	691	719	680	651	573	549	533	556	610	615	620	580	550	609	602

Table 2. Average Monthly Number of Regular AFDC Recipients in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	474	581	518	504	516	531	551	512	551	618	575	577	570	570	605	552
Franklin	222	248	215	222	212	217	250	243	234	280	228	223	219	228	298	348
Fremont	298	340	297	255	235	233	253	261	264	288	280	252	231	205	265	289
Greene	257	283	248	218	215	220	217	248	246	304	265	256	251	250	313	305
Grundy	136	145	180	185	181	174	154	153	160	177	195	183	188	160	192	194
Guthrie	234	307	306	308	282	260	277	318	352	314	317	294	290	289	340	371
Hamilton	274	369	375	344	340	298	323	373	408	379	354	412	419	412	454	460
Hancock	187	244	235	235	199	201	208	212	215	233	222	222	228	223	284	287
Hardin	445	563	526	479	427	407	397	440	444	481	443	449	450	487	553	516
Harrison	398	445	452	467	445	409	428	456	461	472	518	517	509	472	533	595
Henry	482	563	530	479	444	432	445	414	359	439	484	471	463	413	448	478
Howard	122	157	154	178	143	154	180	170	193	232	230	221	201	158	188	205
Humboldt	176	211	214	198	175	170	198	243	238	245	241	199	193	207	262	259
Ida	110	101	103	119	113	75	95	117	137	141	131	97	107	98	110	121
Iowa	181	227	188	164	165	180	159	187	204	213	191	162	174	174	205	210
Jackson	475	573	534	520	576	574	563	618	653	711	705	707	671	621	576	564
Jasper	714	765	826	803	783	739	771	833	933	1132	1152	1096	1050	1041	1178	1110
Jefferson	432	494	457	435	466	448	418	378	429	437	433	433	448	455	463	499
Johnson	1431	1556	1432	1267	1108	1187	1138	1186	1192	1359	1246	1187	1070	1028	1209	1142
Jones	397	421	412	376	367	390	434	502	533	585	541	522	457	486	529	503
Keokuk	302	359	385	346	390	380	405	369	352	360	316	298	258	220	284	273
Kossuth	278	330	316	316	303	298	257	277	282	320	296	275	309	340	423	423
Lee	1564	1871	1857	1888	1932	1830	1746	1806	1895	2028	1944	1950	1931	1808	1838	1729
Linn	4718	5403	5288	5265	5248	5128	5067	5308	5716	6610	6538	6308	5811	5643	5804	5553
Louisa	431	469	462	464	424	385	364	398	421	472	449	456	428	412	469	512
Lucas	390	372	327	339	344	320	317	341	368	427	421	438	397	389	413	465
Lyon	137	145	143	129	112	131	126	143	134	145	142	147	131	124	140	133
Madison	205	261	244	238	268	262	287	279	265	299	262	257	263	241	267	273
Mahaska	635	708	682	694	732	718	716	714	759	858	801	776	730	696	812	819
Marion	631	730	724	690	630	620	621	613	667	753	766	772	775	691	787	810
Marshall	1256	1516	1485	1440	1311	1238	1222	1199	1201	1351	1272	1249	1099	1127	1265	1324
Mills	486	539	433	391	360	370	371	398	419	419	441	395	362	378	497	478
Mitchell	103	146	144	153	152	118	133	159	146	154	143	140	152	146	156	160

Table 2. Average Monthly Number of Regular AFDC Recipients in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	210	270	293	333	358	332	319	351	358	397	348	323	321	345	362	367
Monroe	274	342	305	312	345	347	355	373	347	362	342	308	303	286	297	286
Montgomery	377	374	392	396	371	337	308	302	358	406	387	362	354	350	370	396
Muscatine	1600	1739	1715	1756	1753	1734	1721	1697	1797	1946	1896	1710	1623	1571	1634	1611
O'Brien	206	218	212	211	186	175	184	229	237	255	224	202	200	184	248	249
Osceola	102	111	95	87	92	87	94	90	88	120	113	89	92	82	98	122
Page	483	554	517	543	568	573	592	582	581	627	602	573	560	500	580	582
Palo Alto	143	190	192	211	194	200	200	215	206	273	294	254	259	275	311	338
Plymouth	247	268	237	237	271	257	293	304	305	359	330	321	319	287	382	379
Pocahontas	132	174	167	193	190	148	132	150	158	165	192	203	191	188	219	207
Polk	13471	15616	15220	15308	14605	13706	12858	12992	12814	14463	14672	14794	14345	13703	15084	14704
Pottawattamie	3872	4453	4385	4229	4123	3860	3695	3788	3759	4015	4099	4152	4260	4320	5130	5213
Poweshiek	376	458	401	398	394	366	326	360	378	419	425	398	386	357	392	377
Ringgold	135	135	126	126	138	145	170	175	171	158	188	167	151	143	170	169
Sac	201	231	214	230	219	217	215	193	192	235	244	254	236	232	262	248
Scott	8967	9693	9445	9440	9173	8899	8640	8759	8647	9447	8962	8569	7946	7240	7425	7330
Shelby	212	196	189	185	201	200	179	218	220	219	241	232	222	222	238	211
Sioux	236	245	205	220	221	223	264	267	264	262	273	253	280	277	282	335
Story	1015	1022	956	964	915	882	861	877	943	976	883	779	707	650	791	812
Tama	346	399	441	514	487	461	448	484	519	507	499	501	475	489	598	600
Taylor	233	268	251	240	268	265	239	242	276	332	306	294	236	206	252	251
Union	488	480	499	501	509	529	578	559	597	658	585	565	501	480	532	522
Van Buren	161	195	220	199	203	213	196	213	220	243	234	247	235	225	257	279
Wapello	1663	1837	1792	1830	1778	1772	1847	1897	1941	2091	1987	2003	1773	1593	1754	1713
Warren	808	942	869	830	784	734	723	718	801	894	919	872	819	788	918	852
Washington	326	394	379	394	386	410	380	427	445	454	428	437	354	371	402	402
Wayne	211	239	259	261	216	239	232	226	219	251	275	273	262	257	274	280
Webster	1630	1808	1814	1825	1830	1752	1676	1727	1824	1973	1857	1867	1777	1775	1951	2019
Winnebago	163	227	191	180	183	195	160	135	148	203	206	169	182	185	250	232
Winneshiek	192	218	198	212	235	230	229	261	276	346	323	305	258	244	269	223
Woodbury	3441	4155	4498	4828	4859	4739	4564	4772	4789	5315	5353	5184	4922	4753	5424	5536
Worth	132	154	168	153	146	148	140	157	197	227	202	197	191	208	217	211
Wright	306	336	315	357	337	322	316	318	339	403	389	381	365	348	443	472
State of Iowa	83448	94568	92685	92638	90931	88573	87362	89702	91994	102025	100033	97240	91979	88259	97126	96020

Table 3. Average Monthly Number of Unemployed-Parent AFDC Cases in Iowa Counties, 1983-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	8	7	6	4	2	1	1	5	7	10	8	6	6
Adams	10	13	12	10	8	5	5	6	8	9	8	7	6
Allamakee	7	9	4	2	6	3	5	6	9	17	18	14	10
Appanoose	54	60	46	46	39	33	31	51	67	83	92	87	65
Audubon	6	7	3	4	6	3	3	5	6	7	7	3	2
Benton	32	35	24	17	18	10	13	20	25	27	38	42	37
Black Hawk	162	179	135	124	135	140	179	275	432	511	464	426	203
Boone	38	51	33	23	16	13	24	31	37	45	43	43	29
Bremer	16	20	12	14	18	16	12	23	39	44	44	40	30
Buchanan	35	45	22	19	24	25	33	57	89	111	103	83	65
Buena Vista	11	13	10	8	8	9	10	13	24	31	20	13	14
Butler	15	18	13	16	14	19	21	28	39	44	43	38	24
Calhoun	11	13	6	9	7	7	4	11	19	24	20	15	10
Carroll	7	8	5	5	6	6	6	5	9	12	13	17	15
Cass	25	28	11	12	11	9	5	8	20	27	29	17	11
Cedar	16	27	20	20	19	18	20	28	33	38	29	25	28
Cerro Gordo	55	66	40	37	36	28	23	35	48	74	59	49	60
Cherokee	6	9	4	3	2	2	1	4	7	8	8	10	6
Chickasaw	11	14	7	7	7	7	6	13	26	30	30	26	15
Clarke	23	19	10	15	15	10	7	11	21	25	25	14	19
Clay	10	13	7	6	7	8	5	12	23	32	32	20	20
Clayton	9	11	5	7	7	6	9	15	20	27	24	18	22
Clinton	104	123	70	67	76	67	71	95	157	216	229	191	142
Crawford	15	19	8	9	11	11	11	8	12	11	12	7	10
Dallas	28	36	19	19	15	14	14	16	37	47	44	35	24
Davis	10	7	6	6	9	9	13	19	33	34	36	35	30
Decatur	21	24	10	13	11	7	8	9	13	20	16	15	15
Delaware	18	21	12	13	11	15	24	34	49	62	59	49	45
Des Moines	66	75	54	42	43	45	40	33	56	83	83	76	76
Dickinson	16	12	7	5	6	5	9	8	12	11	11	9	10
Dubuque	78	99	64	62	74	75	89	125	196	236	249	246	205
Emmet	11	16	14	13	12	10	11	13	22	28	22	18	15
Fayette	36	38	31	28	25	25	30	43	63	72	58	50	39
Floyd	44	44	26	24	21	20	18	30	46	61	49	40	33
Franklin	14	15	5	10	11	10	12	7	8	9	13	14	14
Fremont	17	14	7	7	7	3	5	5	9	17	17	12	8
Greene	17	16	14	11	11	7	5	9	13	20	22	21	13
Grundy	9	7	6	7	8	7	9	12	16	19	11	14	8
Guthrie	12	15	10	7	5	6	8	12	18	23	19	26	20
Hamilton	15	23	15	16	18	12	8	10	21	29	22	19	17
Hancock	3	7	3	5	8	5	2	6	14	17	15	7	11
Hardin	23	30	11	11	12	8	10	15	17	19	23	17	15
Harrison	18	28	17	13	16	14	8	14	17	19	17	25	23
Henry	24	33	20	18	19	18	13	15	23	26	38	32	28
Howard	3	7	6	6	8	7	4	4	8	11	17	17	17
Humboldt	8	7	6	7	7	11	6	6	12	18	17	10	13
Ida	3	3	0	0	1	0	0	1	2	4	1	2	2
Iowa	6	9	6	5	5	4	2	3	9	15	14	10	13
Jackson	28	41	32	27	32	28	39	61	83	112	100	89	68
Jasper	37	44	23	17	15	22	19	26	41	51	49	59	67

Table 3. Average Monthly Number of Unemployed-Parent AFDC Cases in Iowa Counties, 1983-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	42	48	33	28	23	22	19	22	26	36	35	35	27
Johnson	50	46	25	19	17	17	13	17	27	30	24	18	20
Jones	23	24	16	16	14	12	12	16	20	33	33	32	33
Keokuk	21	19	15	17	19	19	17	21	31	36	32	24	19
Kossuth	16	18	13	12	10	12	10	10	14	16	16	14	12
Lee	75	101	61	51	53	45	46	62	82	99	116	117	87
Linn	173	200	126	130	140	114	109	183	282	336	326	303	264
Louisa	22	27	16	17	20	17	18	15	24	34	41	44	27
Lucas	23	30	12	12	12	13	14	17	20	28	30	31	28
Lyon	4	1	1	1	0	0	2	4	8	8	10	8	10
Madison	12	11	6	9	5	4	7	5	14	18	20	20	19
Mahaska	24	30	26	36	33	31	20	24	37	48	45	42	46
Marion	41	43	30	25	26	22	22	36	51	66	48	49	48
Marshall	54	58	45	42	35	32	25	38	64	74	67	66	44
Mills	25	22	10	13	10	12	8	13	22	20	24	10	14
Mitchell	4	4	4	2	3	2	2	6	7	7	8	9	7
Monona	6	12	9	12	16	11	11	16	26	30	28	27	21
Monroe	20	18	15	12	11	10	15	26	32	41	33	25	23
Montgomery	21	27	15	11	8	7	6	10	13	20	24	10	9
Muscatine	103	109	75	66	73	79	77	96	121	132	112	94	62
O'Brien	14	10	7	10	3	1	1	3	11	14	11	12	9
Osceola	3	3	2	1	2	2	2	3	4	8	9	7	4
Page	32	42	31	26	24	16	21	26	35	46	38	30	29
Palo Alto	10	10	7	4	4	5	4	7	16	24	24	18	17
Plymouth	9	9	4	4	3	3	6	13	14	19	16	11	10
Pocahontas	11	7	8	5	4	8	5	3	8	14	12	11	6
Polk	332	332	150	162	158	137	135	148	225	283	287	285	298
Pottawattamie	115	137	84	81	68	45	35	35	49	68	69	68	75
Poweshiek	20	15	10	16	12	8	8	13	26	39	34	28	27
Ringgold	15	16	8	7	6	4	7	13	18	18	18	14	14
Sac	12	16	8	7	5	4	5	6	7	11	12	10	10
Scott	274	283	187	156	165	181	196	249	356	395	410	364	206
Shelby	13	15	7	8	6	8	4	6	9	15	12	9	7
Sioux	11	5	2	5	4	4	3	4	8	15	10	5	4
Story	70	76	31	28	29	15	11	15	31	32	35	25	23
Tama	13	17	12	12	15	9	6	8	19	28	29	26	20
Taylor	10	11	5	4	7	9	10	11	11	15	20	15	17
Union	22	26	15	16	17	11	13	17	25	32	38	29	24
Van Buren	7	9	8	6	7	8	9	12	17	20	28	23	20
Wapello	103	112	82	88	94	78	83	126	185	179	133	117	107
Warren	21	22	12	17	17	19	18	24	34	43	52	58	49
Washington	19	20	11	6	10	10	10	20	22	27	26	16	11
Wayne	13	14	9	8	6	8	10	14	19	22	22	23	18
Webster	73	86	63	52	52	47	46	45	93	115	99	94	66
Winnebago	7	7	5	5	4	5	5	7	10	15	11	6	11
Winneshiek	13	16	14	13	7	10	11	20	28	27	28	25	22
Woodbury	64	79	50	55	60	47	37	50	95	122	106	102	99
Worth	8	7	8	5	6	7	6	6	10	12	14	13	12
Wright	11	16	9	10	13	7	3	5	14	19	17	14	12
State of Iowa	3336	3741	2334	2222	2244	2033	2072	2837	4331	5308	5108	4587	3724

Table 4. Average Monthly Number of Unemployed Parent AFDC Recipients in Iowa Counties 1983-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	36	38	28	18	8	5	8	25	26	50	36	25	21
Adams	38	52	50	44	39	25	21	27	32	40	33	28	22
Allamakee	24	36	14	12	30	12	21	22	38	82	82	61	37
Appanoose	217	254	196	190	159	137	128	199	255	377	396	366	244
Audubon	24	32	13	18	23	12	11	23	31	40	34	12	6
Benton	142	144	97	75	77	44	56	86	99	127	200	185	130
Black Hawk	663	737	563	516	553	601	746	1126	1707	2308	2127	1768	621
Boone	155	207	141	105	70	54	109	146	166	207	192	184	103
Bremer	63	78	46	51	74	70	51	94	156	213	218	183	104
Buchanan	158	192	88	81	99	111	143	253	382	515	472	353	245
Buena Vista	42	49	39	29	33	33	39	52	95	163	101	52	45
Butler	68	75	46	61	56	70	80	110	154	194	177	159	89
Cathoun	46	55	28	36	29	32	17	46	81	117	90	66	41
Carroll	27	39	25	19	23	24	25	16	31	52	54	64	50
Cass	102	119	45	56	46	37	18	37	83	117	119	63	35
Cedar	58	102	76	80	82	80	85	112	126	157	119	105	108
Cerro Gordo	221	265	172	162	150	117	95	140	180	315	259	191	214
Cherokee	21	32	14	11	8	9	6	17	28	40	37	45	19
Chickasaw	43	55	29	27	26	27	21	56	102	133	141	119	53
Clarke	97	83	43	61	60	45	30	45	84	105	109	58	63
Clay	39	57	34	24	24	30	19	45	93	149	134	78	74
Clayton	38	51	22	29	28	23	39	59	77	122	114	71	76
Clinton	386	472	269	273	306	277	286	385	624	940	997	790	524
Crawford	71	85	29	37	48	45	41	33	41	50	53	29	36
Dallas	111	144	71	72	63	57	57	62	145	202	178	135	81
Davis	37	26	17	20	36	38	50	77	130	156	156	149	114
Decatur	83	97	36	51	43	27	29	38	55	90	66	63	54
Delaware	78	81	49	60	51	69	109	146	205	285	264	228	171
Des Moines	262	298	213	157	185	191	170	138	218	387	393	333	300
Dickinson	69	45	27	19	25	22	38	37	52	54	50	38	35
Dubuque	328	414	255	252	314	331	390	570	838	1072	1139	1099	780
Emmet	51	69	55	51	52	48	48	60	91	156	126	88	66
Fayette	152	164	131	117	103	104	125	181	261	347	292	227	141
Floyd	183	177	104	99	85	79	76	127	191	276	243	183	128
Franklin	51	60	24	40	42	41	46	27	31	40	56	53	48
Fremont	70	58	30	29	28	12	20	21	33	65	70	51	33
Greene	74	64	53	44	41	28	23	37	55	90	98	87	54
Grundy	40	31	24	26	39	28	38	46	64	80	43	52	25
Guthrie	52	62	45	27	19	25	31	46	73	109	93	119	83
Hamilton	61	94	67	78	79	51	35	46	79	127	93	77	65
Hancock	12	30	12	20	32	22	11	23	57	72	66	26	37
Hardin	84	125	48	46	51	35	43	65	69	80	97	77	56
Harrison	73	123	73	54	69	60	30	50	65	88	81	113	89
Henry	95	134	80	72	79	71	58	63	90	110	176	133	96
Howard	13	32	26	25	33	27	14	15	31	61	84	70	68
Humboldt	30	30	22	29	30	50	24	25	49	75	71	39	48
Ida	11	12	2	0	2	1	0	4	9	18	4	7	6
Iowa	25	36	19	21	22	17	10	13	40	88	65	41	44
Jackson	114	164	135	113	136	122	170	269	347	498	451	379	240
Jasper	145	170	91	66	57	92	76	105	156	212	205	228	233

Table 4. Average Monthly Number of Unemployed Parent AFDC Recipients in Iowa Counties 1983-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	159	192	136	112	92	91	79	93	100	155	156	148	99
Johnson	197	173	96	73	73	72	49	68	96	164	139	73	73
Jones	98	98	60	62	57	52	48	64	79	154	164	135	107
Keokuk	82	81	65	77	83	81	71	85	128	174	143	104	69
Kossuth	67	84	53	50	49	54	46	37	58	79	70	56	41
Lee	295	398	249	212	209	180	186	256	327	446	517	481	321
Linn	704	832	523	550	586	497	455	782	1099	1540	1507	1254	882
Louisa	88	111	68	67	81	69	76	64	97	162	178	185	99
Lucas	92	119	51	51	51	50	53	66	82	130	135	136	94
Lyon	17	5	4	2	0	0	7	18	34	35	46	37	43
Madison	50	47	25	35	23	17	30	24	56	77	84	81	71
Mahaska	85	115	101	142	133	128	81	91	130	219	203	160	159
Marion	168	171	120	95	98	80	87	149	205	293	211	197	178
Marshall	205	229	175	162	141	135	105	158	258	382	362	272	156
Mills	98	89	41	56	42	47	32	59	89	93	106	48	53
Mitchell	16	11	15	8	10	9	11	27	27	32	36	39	26
Monona	26	52	40	49	64	46	47	67	105	129	115	122	83
Monroe	81	76	60	49	43	38	58	100	120	169	146	103	85
Montgomery	82	106	62	39	28	28	23	41	54	83	103	42	29
Muscatine	422	472	320	280	318	344	323	402	517	595	513	406	235
O'Brien	60	42	29	40	13	5	7	17	48	68	52	47	31
Osceola	13	13	10	6	8	9	6	13	20	42	41	31	16
Page	124	167	120	100	89	64	86	99	135	196	163	132	113
Palo Alto	45	39	25	17	20	24	18	28	66	125	123	77	60
Plymouth	36	35	15	16	13	14	26	53	58	85	72	46	33
Pocahontas	43	29	31	18	17	34	25	13	35	63	51	46	24
Polk	1379	1419	657	696	678	619	598	629	892	1246	1271	1225	1122
Pottawattamie	461	540	341	330	285	206	150	154	193	291	297	276	269
Poweshiek	79	62	44	69	51	34	35	59	110	207	172	121	98
Ringgold	59	67	35	29	27	19	30	51	69	90	89	52	51
Sac	52	63	35	31	23	15	21	25	26	53	53	45	39
Scott	1122	1204	795	666	717	813	845	1052	1458	1785	1841	1569	792
Shelby	49	56	23	32	27	34	13	24	35	61	51	38	24
Sioux	42	20	8	22	15	17	20	28	49	77	50	19	13
Story	273	302	124	107	113	60	45	56	109	125	142	96	76
Tama	50	69	45	49	62	38	27	31	70	127	131	109	79
Taylor	46	49	21	18	29	40	36	45	48	81	98	56	55
Union	91	108	62	63	68	45	56	69	101	167	178	126	85
Van Buren	36	35	32	24	29	38	40	57	71	97	133	104	74
Wapello	410	433	326	358	377	315	334	514	708	787	589	486	384
Warren	92	90	51	74	74	82	75	95	134	195	230	228	168
Washington	77	80	44	27	49	39	40	87	82	126	110	61	46
Wayne	62	59	35	33	26	32	41	54	72	101	97	93	64
Webster	311	363	267	219	226	216	190	180	367	487	426	377	223
Winnebago	27	28	18	17	16	18	18	28	36	65	51	22	43
Winneshiek	53	61	55	51	27	42	47	88	114	127	117	94	78
Woodbury	268	346	211	238	266	213	155	220	389	636	531	439	380
Worth	27	26	29	19	23	30	27	25	37	55	58	51	39
Wright	44	73	38	40	58	30	13	20	58	79	70	57	42
State of Iowa	13539	15382	9595	9181	9371	8724	8705	11906	17374	24204	23172	19350	13473

Table 5. Total Annual Regular-Program AFDC Payments (in \$1,000) in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	213	205	242	249	230	206	164	188	231	280	251	259	247	191	239	244
Adams	190	234	201	215	193	169	183	197	222	191	165	125	112	87	125	130
Allamakee	374	369	367	357	268	313	338	360	370	426	430	417	394	452	517	506
Appanoose	1110	1145	1191	1289	1352	1333	1379	1370	1255	1262	1235	1325	1326	1240	1186	1120
Audubon	143	164	155	171	188	158	148	156	178	189	179	144	148	150	198	218
Benton	721	909	935	983	974	1016	856	879	937	884	817	835	797	777	775	683
Black Hawk	9997	11098	11040	11091	11232	11210	11503	11436	11845	12292	11363	11447	10437	9751	10129	9980
Boone	911	1074	1137	1106	1011	900	971	991	1021	1056	1016	1036	1088	1059	1049	998
Bremer	552	662	615	521	555	523	514	559	641	740	674	699	612	581	663	577
Buchanan	796	915	921	1048	1097	1035	1052	1058	1168	1153	1110	1055	986	950	1009	959
Buena Vista	577	627	652	644	575	540	523	583	602	676	606	595	566	566	626	570
Butler	431	444	432	532	600	540	500	511	507	520	495	458	434	359	455	449
Calhoun	290	376	372	391	389	358	416	415	444	420	358	367	358	360	426	411
Carroll	498	528	541	516	522	505	511	465	502	460	413	415	397	408	452	439
Cass	631	738	747	646	619	600	569	520	527	579	553	541	513	512	672	625
Cedar	469	545	508	524	525	528	501	476	530	469	466	430	443	499	550	572
Cerro Gordo	1944	2311	2376	2415	2371	2361	2250	2227	2315	2306	2089	2055	2109	2190	2421	2276
Cherokee	382	454	385	382	420	360	364	374	461	465	398	395	403	380	466	483
Chickasaw	311	376	341	313	317	336	372	367	433	427	387	385	367	283	333	359
Clarke	536	565	483	459	410	446	399	429	442	452	375	394	416	402	405	368
Clay	507	584	640	684	704	653	711	720	789	812	762	738	717	650	749	654
Clayton	287	367	402	471	493	463	508	517	514	556	537	555	558	542	564	571
Clinton	3325	3765	4001	3858	3820	3704	3521	3317	3310	3361	3183	2966	2795	2545	2477	2273
Crawford	778	811	754	723	741	702	692	671	640	663	586	579	589	494	527	591
Dallas	1121	1265	1319	1331	1232	1212	1245	1175	1270	1334	1259	1314	1260	1047	1092	1045
Davis	342	391	404	385	375	429	435	416	379	358	393	390	354	319	333	306
Decatur	416	502	525	536	499	438	411	416	425	439	405	390	382	406	479	464
Delaware	444	472	524	529	533	586	620	704	750	767	705	665	629	638	683	627
Des Moines	2738	3110	3244	3155	3091	3017	2806	2726	2749	2806	2795	2743	2571	2484	2711	2416
Dickinson	362	386	314	339	390	397	452	450	458	441	429	449	496	477	517	528
Dubuque	2457	3123	3270	3304	3286	3403	3537	3746	3916	4065	3930	4067	3970	3648	3667	3343
Emmet	306	420	441	440	461	499	499	521	617	644	562	497	505	503	542	534
Fayette	901	1077	1154	1092	1051	897	852	818	835	867	831	839	800	752	826	803

Table 5. Total Annual Regular-Program AFDC Payments (in \$1,000) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	739	900	842	820	848	861	862	790	847	869	784	796	805	799	823	739
Franklin	319	378	344	370	353	347	396	388	378	400	325	320	318	313	390	447
Fremont	442	506	470	399	373	359	389	390	395	398	376	341	307	276	343	382
Greene	404	442	391	351	350	352	341	366	367	415	347	356	357	351	422	404
Grundy	223	234	292	309	306	289	245	233	247	238	254	255	260	235	279	259
Guthrie	359	463	490	495	452	403	426	454	512	422	417	394	381	369	427	459
Hamilton	447	603	622	577	572	484	492	559	633	540	484	557	585	561	615	603
Hancock	269	371	377	377	323	334	339	330	333	328	297	308	310	311	352	356
Hardin	695	878	864	799	717	691	656	676	684	684	631	671	660	684	743	678
Harrison	601	667	700	734	684	649	636	681	681	656	680	703	689	644	716	767
Henry	728	858	852	781	714	684	678	640	578	618	647	670	674	577	619	638
Howard	176	228	244	279	230	241	283	264	296	324	301	307	275	208	239	258
Humboldt	245	285	325	310	286	281	306	370	373	354	328	279	272	285	355	352
Ida	169	154	167	186	171	115	141	173	198	195	177	136	147	129	143	149
Iowa	260	328	298	279	280	298	257	293	315	305	267	232	252	234	279	286
Jackson	734	923	885	871	958	953	904	973	1024	999	967	994	969	871	787	764
Jasper	1119	1238	1396	1328	1297	1211	1211	1278	1447	1605	1569	1520	1516	1462	1632	1544
Jefferson	673	788	754	748	789	733	683	583	660	590	570	606	658	654	653	698
Johnson	2264	2463	2353	2126	1996	1956	1899	1943	2027	1977	1778	1778	1678	1640	1892	1696
Jones	620	654	658	616	604	617	679	761	825	858	768	756	707	713	752	691
Keokuk	468	561	623	589	654	600	612	531	504	491	419	388	363	312	384	375
Kossuth	412	507	503	497	499	481	406	422	432	436	374	348	413	448	563	559
Lee	2362	2918	2984	3066	3137	2943	2728	2759	2899	2897	2664	2700	2697	2493	2508	2322
Linn	7253	8577	8724	8803	8763	8391	8190	8483	9129	9494	9033	9156	8745	8205	8368	7749
Louisa	674	750	744	750	684	621	568	605	651	657	602	619	588	561	624	675
Lucas	614	600	538	568	571	538	501	506	532	583	554	573	541	521	521	590
Lyon	210	221	218	184	162	181	186	218	200	193	185	192	178	160	190	172
Madison	312	396	404	403	451	428	452	423	407	413	359	351	359	319	364	375
Mahaska	1021	1168	1154	1199	1209	1176	1159	1097	1193	1218	1088	1100	1076	1011	1139	1109
Marion	931	1155	1184	1128	1040	1016	992	987	1050	1097	1051	1099	1101	974	1007	1095
Marshall	1950	2370	2421	2400	2159	2034	1967	1895	1917	1848	1681	1806	1693	1638	1777	1840
Mills	736	804	689	628	576	580	566	589	611	580	572	530	501	519	618	630
Mitchell	169	236	241	259	247	196	222	256	233	240	206	210	212	192	210	217

Table 5. Total Annual Regular-Program AFDC Payments (in \$1,000) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	306	420	467	537	582	537	474	517	540	571	462	441	444	477	487	493
Monroe	413	523	491	502	559	542	542	563	518	530	470	422	416	391	396	378
Montgomery	559	591	661	665	628	552	482	471	565	605	541	511	502	479	504	510
Muscatine	2548	2798	2795	2841	2840	2791	2678	2591	2773	2852	2640	2471	2361	2241	2257	2234
O'Brien	306	327	335	334	301	276	287	333	353	338	297	279	287	257	321	326
Osceola	139	163	146	140	141	125	134	124	120	160	144	129	125	107	131	159
Page	716	837	825	868	913	890	915	887	874	881	823	798	794	692	768	770
Palo Alto	211	292	297	317	299	314	300	301	309	361	387	341	348	359	416	437
Plymouth	377	414	401	395	451	408	462	448	468	490	463	462	447	398	505	489
Pocahontas	189	258	267	317	303	241	200	219	236	240	264	266	254	237	265	254
Polk	21317	25235	25424	25712	24517	22482	20561	20187	19997	20629	20222	20915	20608	19564	20815	19808
Pottawattamie	5939	6924	7026	6840	6686	6181	5776	5735	5706	5739	5532	5798	6033	6038	7000	7064
Poweshiek	564	725	670	661	642	586	498	531	574	608	578	576	559	512	548	496
Ringgold	198	211	209	220	232	240	273	274	270	236	259	229	208	194	207	216
Sac	301	364	349	371	354	339	330	303	306	339	334	361	351	331	352	337
Scott	13947	15617	15634	15564	15068	14370	13684	13571	13378	13198	12154	12039	11541	10350	10281	9977
Shelby	329	314	300	299	324	310	273	301	321	297	306	309	301	307	312	282
Sioux	341	363	342	355	350	333	399	377	375	348	348	340	378	363	372	434
Story	1654	1706	1639	1652	1575	1496	1464	1451	1543	1483	1284	1181	1030	934	1123	1123
Tama	515	621	716	838	783	740	701	752	803	743	700	682	666	673	825	825
Taylor	315	418	417	385	425	411	365	357	414	463	413	417	318	265	312	322
Union	763	762	831	831	833	824	921	870	892	933	797	821	735	691	736	711
Van Buren	245	312	354	326	327	334	311	326	344	347	323	350	343	320	344	370
Wapello	2613	2940	3001	3082	3005	2880	2947	2944	2981	2947	2679	2739	2527	2295	2460	2363
Warren	1266	1511	1499	1425	1320	1229	1198	1163	1250	1280	1240	1234	1217	1133	1325	1175
Washington	465	614	610	639	622	627	569	615	673	636	575	584	496	539	590	559
Wayne	320	350	402	400	337	377	345	322	323	349	365	379	364	346	374	378
Webster	2513	2827	2967	2992	2989	2823	2608	2609	2777	2732	2484	2545	2470	2421	2626	2620
Winnebago	237	346	307	295	288	309	242	201	229	263	255	230	260	262	338	315
Winneshiek	303	359	313	333	370	371	355	406	426	448	398	384	349	339	353	310
Woodbury	5273	6452	7243	7785	7796	7452	7089	7289	7408	7419	7153	7188	7020	6782	7547	7624
Worth	187	247	282	264	231	239	207	236	314	319	270	268	264	294	282	276
Wright	468	514	469	562	551	519	495	492	500	570	537	522	512	470	590	628
State of Iowa	129496	150015	152185	152698	149622	143031	138255	138441	142426	144631	136206	136831	132597	125447	124474	130266

Table 6. Total Annual Unemployed-Parent AFDC Payments (in \$1,000) in Iowa Counties, 1983-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	40	37	33	20	9	6	6	24	32	51	38	27	30
Adams	47	61	59	53	45	33	28	30	36	42	34	32	27
Allamakee	30	43	16	13	37	16	28	29	51	90	89	65	44
Appanoose	236	283	239	241	206	169	153	233	319	403	414	415	302
Audubon	24	31	16	20	24	15	15	25	34	38	36	12	7
Benton	136	157	117	85	90	53	60	99	124	132	184	209	169
Black Hawk	731	840	692	627	702	732	913	1351	2073	2492	2153	1992	898
Boone	178	239	178	136	86	67	136	172	198	225	201	217	130
Bremer	65	83	54	68	90	89	62	116	187	231	209	189	123
Buchanan	171	196	107	101	120	140	167	294	447	567	479	397	274
Buena Vista	48	57	50	37	44	42	46	57	113	160	100	60	63
Butler	73	85	61	81	69	95	102	129	184	208	191	178	101
Calhoun	39	51	32	47	37	39	19	53	92	118	93	71	45
Carroll	32	39	27	23	31	26	27	22	42	53	55	73	62
Cass	98	106	44	64	57	45	19	40	95	136	132	76	46
Cedar	58	89	93	104	107	100	106	125	161	184	127	123	121
Cerro Gordo	215	300	209	196	191	142	117	164	219	343	272	232	253
Cherokee	26	39	19	15	11	11	7	23	35	39	35	41	25
Chickasaw	43	61	34	32	31	33	22	63	124	140	144	127	67
Clarke	118	102	54	74	74	49	38	53	100	121	119	69	83
Clay	45	62	40	31	32	41	28	52	113	161	144	91	92
Clayton	36	56	26	39	39	30	49	74	97	128	123	80	98
Clinton	416	522	339	350	396	333	349	443	734	1028	1045	898	610
Crawford	72	87	42	51	66	54	53	42	55	55	59	35	44
Dallas	122	166	98	98	86	77	72	74	171	227	191	163	103
Davis	41	29	23	28	48	49	64	92	162	170	175	169	136
Decatur	91	105	44	66	57	36	39	50	68	109	74	70	64
Delaware	77	85	58	71	56	80	115	169	244	316	277	242	197
Des Moines	295	342	262	195	222	233	201	158	266	409	384	379	357
Dickinson	67	57	35	25	31	24	40	40	55	53	42	37	41
Dubuque	314	427	296	296	376	396	463	641	978	1146	1162	1169	886
Emmet	45	73	65	62	60	55	59	68	112	142	109	96	68
Fayette	158	177	163	150	136	123	157	225	328	369	290	244	174

Table 6. Total Annual Unemployed-Parent AFDC Payments (in \$1,000) in Iowa Counties, 1983-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Floyd	201	195	127	125	106	105	88	140	215	283	231	184	140
Franklin	52	57	25	47	53	48	56	35	38	46	57	59	60
Fremont	60	50	35	34	34	14	24	25	40	79	78	56	39
Greene	81	69	68	51	54	32	29	44	65	95	103	98	56
Grundy	45	35	29	29	44	38	49	55	76	86	50	58	32
Guthrie	61	66	52	34	25	31	40	56	87	113	91	126	88
Hamilton	58	100	80	90	94	61	40	54	98	138	96	83	73
Hancock	12	32	14	23	38	29	11	25	62	80	65	28	46
Hardin	105	135	63	58	60	40	50	72	83	84	107	84	65
Harrison	69	112	79	66	77	75	38	63	77	92	75	120	102
Henry	97	141	94	82	91	89	64	76	108	118	172	156	120
Howard	15	34	30	29	39	38	18	17	38	56	76	72	74
Humboldt	31	30	28	39	40	60	26	32	57	82	77	44	53
Ida	9	9	1	0	3	1	0	4	10	17	4	7	6
Iowa	27	36	25	26	26	21	12	15	48	81	68	49	60
Jackson	120	181	167	132	168	155	202	312	414	561	469	419	286
Jasper	161	197	112	85	77	109	96	122	184	227	214	268	282
Jefferson	162	214	169	141	119	113	99	110	125	164	157	161	113
Johnson	221	195	118	94	90	85	58	79	124	141	116	84	86
Jones	103	94	74	76	68	66	58	77	99	172	162	160	155
Keokuk	96	87	73	86	95	104	89	100	150	184	151	120	89
Kossuth	60	74	52	60	52	58	52	43	67	72	63	57	44
Lee	277	420	314	267	271	227	227	307	399	473	532	544	381
Linn	717	870	622	649	712	597	552	933	1364	1633	1585	1494	1209
Louisa	109	134	86	82	107	91	91	79	120	171	186	212	125
Lucas	110	135	59	63	57	60	62	77	95	141	137	154	120
Lyon	16	6	5	3	0	0	8	19	42	37	41	37	47
Madison	51	45	32	46	26	19	37	23	61	79	91	94	78
Mahaska	92	124	130	191	178	163	107	115	180	234	204	193	209
Marion	192	192	156	125	130	106	113	180	251	324	219	234	211
Marshall	222	237	221	211	173	174	133	191	311	381	350	323	208
Mills	98	91	45	69	49	61	37	66	106	102	109	50	61
Mitchell	18	16	20	10	15	10	15	31	38	35	41	43	30

Table 6. Total Annual Unemployed-Parent AFDC Payments (in \$1,000) in Iowa Counties, 1983-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Monona	32	55	53	60	79	58	57	75	127	152	133	128	94
Monroe	86	83	76	62	53	47	72	124	151	196	158	119	104
Montgomery	81	103	70	55	40	35	31	46	58	91	104	48	40
Muscatine	451	506	379	349	393	432	395	493	607	674	544	468	292
O'Brien	58	38	30	44	16	7	7	18	58	77	55	55	38
Osceola	12	16	12	8	11	12	6	12	20	43	43	31	19
Page	133	167	147	116	118	73	105	123	161	211	162	129	126
Palo Alto	40	38	34	22	24	26	22	35	81	122	118	87	71
Plymouth	32	35	17	21	18	14	33	61	66	88	66	50	38
Pocahontas	53	30	38	22	22	39	29	13	43	68	50	53	27
Polk	1513	1578	818	877	883	778	730	749	1101	1369	1310	1362	1300
Pottawattamie	475	576	413	412	359	249	178	175	229	321	297	294	318
Poweshiek	94	69	56	87	63	39	34	64	128	202	169	139	121
Ringgold	58	80	48	40	37	25	35	66	95	100	94	64	64
Sac	47	62	41	37	28	20	26	30	33	55	54	45	46
Scott	1219	1330	982	823	915	1009	1037	1257	1780	1969	1915	1760	969
Shelby	54	67	28	39	34	43	16	25	39	64	50	43	30
Sioux	52	25	10	27	22	21	16	19	40	77	46	20	17
Story	290	309	150	140	144	74	63	90	155	157	160	119	97
Tama	53	70	54	61	75	49	34	42	91	141	134	122	91
Taylor	44	53	22	23	37	43	44	56	58	86	101	73	71
Union	80	101	71	81	91	57	65	92	124	174	184	154	114
Van Buren	38	34	41	33	38	48	47	67	79	103	134	117	94
Wapello	440	493	405	437	475	402	416	617	877	843	612	557	479
Warren	88	87	60	95	89	100	94	110	161	216	231	269	214
Washington	78	72	52	34	58	52	50	108	106	132	127	73	51
Wayne	61	65	40	40	30	37	54	71	92	113	103	106	76
Webster	323	400	318	266	262	259	224	206	434	527	425	415	273
Winnebago	30	33	27	25	18	21	21	34	49	66	44	24	48
Winneshiek	45	57	63	62	35	50	57	106	138	134	114	99	91
Woodbury	283	350	259	293	324	253	183	258	474	601	522	505	462
Worth	27	27	39	26	25	36	26	25	50	60	60	63	53
Wright	46	69	48	47	70	41	15	23	66	89	79	65	54
State of Iowa	14349	16580	11733	11388	11721	10763	10562	14099	21052	25989	23757	21806	16472

Table 7. Average Monthly Regular-Program AFDC Payments Per Person (in \$) in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	129	126	134	131	132	129	133	121	122	112	104	107	118	115	114	111
Adams	115	122	131	125	132	123	129	124	119	113	109	113	115	113	115	110
Allamakee	132	130	133	133	125	128	128	125	122	119	116	115	117	117	111	104
Appanoose	134	139	140	137	138	139	136	129	126	112	111	112	117	115	112	106
Audubon	130	121	126	124	126	122	123	122	131	120	111	113	115	111	108	112
Benton	128	132	136	136	136	132	132	129	128	117	115	119	125	122	117	112
Black Hawk	131	132	136	136	136	133	131	128	128	119	114	120	126	125	122	119
Boone	128	136	140	141	143	140	141	136	132	124	116	119	121	121	117	111
Bremer	125	129	135	138	138	138	133	125	125	114	113	117	122	123	124	116
Buchanan	126	126	133	135	135	136	133	127	129	120	112	114	114	117	118	110
Buena Vista	128	133	136	137	136	137	134	132	134	119	114	116	117	114	112	110
Butler	126	131	134	132	133	134	129	126	125	113	109	116	119	119	125	111
Calhoun	121	127	137	136	136	128	124	124	128	119	114	115	117	116	113	112
Carroll	129	129	133	133	133	133	132	126	129	116	114	114	118	115	106	104
Cass	126	126	128	132	139	134	129	127	126	122	117	119	117	113	112	112
Cedar	132	131	137	139	137	131	132	130	131	121	117	129	123	119	116	114
Cerro Gordo	133	135	140	139	139	136	132	130	132	121	116	119	124	123	118	115
Cherokee	128	132	134	127	128	130	128	126	124	112	105	111	120	117	110	108
Chickasaw	126	131	137	135	136	131	133	128	126	119	115	119	123	120	119	113
Clarke	130	132	133	130	137	132	126	122	124	122	113	117	119	114	112	112
Clay	134	134	140	135	140	134	134	132	136	121	114	118	123	120	117	115
Clayton	125	131	138	137	134	127	129	124	125	117	112	114	117	117	111	106
Clinton	132	137	141	142	140	139	134	130	130	121	117	120	121	119	116	113
Crawford	132	131	135	132	134	133	132	129	129	121	117	118	119	114	112	110
Dallas	133	138	144	142	139	136	134	128	128	118	112	116	118	117	111	113
Davis	131	129	138	135	140	132	134	127	124	115	109	111	117	112	111	107
Decatur	120	128	136	140	141	138	133	124	128	120	115	118	115	113	111	112
Delaware	122	121	126	130	129	127	125	120	123	117	111	110	116	118	110	108
Des Moines	130	134	137	138	137	133	130	127	127	116	111	117	118	116	112	111
Dickinson	135	135	133	141	140	140	131	124	132	121	108	115	117	112	112	111
Dubuque	127	131	136	136	136	136	136	135	134	118	114	117	119	117	114	113
Emmet	122	136	135	134	128	130	126	122	128	117	110	112	116	117	113	109
Fayette	131	130	134	134	134	130	129	128	125	118	113	113	115	114	113	111
Floyd	130	129	135	136	137	135	130	129	128	117	114	115	118	117	113	112
Franklin	120	127	133	139	139	133	132	133	134	119	119	120	121	114	109	107
Fremont	124	124	132	130	132	129	128	124	125	115	112	113	111	112	108	110
Greene	131	130	131	134	136	133	131	123	124	114	109	116	118	117	112	110
Grundy	137	134	135	139	141	138	133	127	129	112	109	116	115	122	121	111
Guthrie	128	126	133	134	134	129	128	119	121	112	110	112	109	106	105	103
Hamilton	136	136	138	140	140	135	127	125	129	119	114	113	116	114	113	109
Hancock	120	127	134	134	135	138	136	130	129	117	111	116	113	116	103	103
Hardin	130	130	137	139	140	142	138	128	128	118	119	125	122	117	112	109
Harrison	126	125	129	131	128	132	124	125	123	116	109	113	113	114	112	107
Henry	126	127	134	136	134	132	127	129	134	117	111	119	121	116	115	111
Howard	120	121	132	131	134	130	131	129	128	116	109	116	114	110	106	105
Humboldt	116	113	126	130	136	138	129	127	131	120	113	117	117	115	113	113
Ida	128	127	135	130	126	128	123	123	121	115	112	117	115	109	108	103
Iowa	120	120	132	142	141	138	135	131	129	119	116	119	121	112	113	114
Jackson	129	134	138	140	139	138	134	131	131	117	114	117	120	117	114	113
Jasper	131	135	141	138	138	137	131	128	129	118	114	116	120	117	115	116

Table 7. Average Monthly Regular-Program AFDC Payments Per Person (in \$) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	130	133	137	143	141	136	136	128	128	113	110	117	122	120	118	117
Johnson	132	132	137	140	150	137	139	137	142	121	119	125	131	133	130	124
Jones	130	129	133	136	137	132	130	126	129	122	118	121	129	122	118	114
Keokuk	129	130	135	142	140	132	126	120	119	114	110	108	117	118	113	114
Kossuth	123	128	133	131	137	134	132	127	128	113	105	105	111	110	111	110
Lee	126	130	134	135	135	134	130	127	128	119	114	115	116	115	114	112
Linn	128	132	137	139	139	136	135	133	133	120	115	121	125	121	120	116
Louisa	130	133	134	135	134	134	130	127	129	116	112	113	115	114	111	110
Lucas	131	134	137	140	138	140	132	124	120	114	110	109	114	112	105	106
Lyon	128	127	127	119	121	115	123	127	124	111	109	109	113	107	113	108
Madison	127	126	138	141	140	136	131	126	128	115	114	114	114	110	114	115
Mahaska	134	137	141	144	138	136	135	128	131	118	113	118	123	121	117	113
Marion	123	132	136	136	138	137	133	134	131	121	114	119	118	117	107	113
Marshall	129	130	136	139	137	137	134	132	133	114	110	121	128	121	117	116
Mills	126	124	133	134	133	131	127	123	122	115	108	112	115	114	104	110
Mitchell	137	135	139	141	135	138	139	134	133	130	120	125	116	110	112	113
Monona	122	130	133	134	136	135	124	123	126	120	111	114	115	115	112	112
Monroe	125	127	134	134	135	130	127	126	124	122	114	114	114	114	111	110
Montgomery	124	132	141	140	141	137	131	130	132	124	116	118	118	114	114	107
Muscatine	133	134	136	135	135	134	130	127	129	122	116	120	121	119	115	116
O'Brien	124	125	132	132	135	132	130	121	124	110	110	115	120	116	108	109
Osceola	114	122	128	134	127	120	119	114	114	111	106	121	113	109	111	108
Page	123	126	133	133	134	129	129	127	125	117	114	116	118	115	110	110
Palo Alto	123	128	129	125	128	131	125	117	125	110	110	112	112	109	112	108
Plymouth	127	129	141	139	139	132	131	123	128	114	117	120	117	116	110	108
Pocahontas	119	124	133	137	133	136	126	122	125	121	115	109	111	105	101	102
Polk	132	135	139	140	140	137	133	129	130	119	115	118	120	119	115	112
Pottawattamie	128	130	134	135	135	133	130	126	126	119	112	116	118	116	114	113
Poweshiek	125	132	139	138	136	134	127	123	127	121	113	121	121	119	117	110
Ringgold	122	130	139	146	140	138	134	131	132	124	115	114	115	113	102	107
Sac	125	131	136	134	135	130	128	131	133	120	114	118	124	119	112	113
Scott	130	134	138	137	137	135	132	129	129	116	113	117	121	119	115	113
Shelby	129	134	132	135	134	129	127	115	122	113	106	111	113	115	109	112
Sioux	120	123	139	135	132	124	126	118	118	111	106	112	112	109	110	108
Story	136	139	143	143	143	141	142	138	136	127	121	126	121	120	118	115
Tama	124	130	135	136	134	134	130	129	129	122	117	113	117	115	115	115
Taylor	113	130	139	134	132	129	127	123	125	116	112	118	112	107	103	107
Union	130	132	139	138	136	130	133	130	124	118	113	121	122	120	115	114
Van Buren	127	133	134	137	134	131	132	127	130	119	115	118	122	119	112	111
Wapello	131	133	140	140	141	135	133	129	128	117	112	114	119	120	117	115
Warren	131	134	144	143	140	139	138	135	130	119	112	118	124	120	120	115
Washington	119	130	134	135	134	127	125	120	126	117	112	111	117	121	122	116
Wayne	126	122	129	128	130	132	124	119	123	116	111	116	116	112	114	113
Webster	128	130	136	137	136	134	130	126	127	115	111	114	116	114	112	108
Winnebago	121	127	134	137	131	132	126	124	129	108	103	114	119	118	113	113
Winneshiek	132	137	132	131	131	134	129	130	129	108	103	105	113	116	109	116
Woodbury	128	129	134	134	134	131	129	127	129	116	111	116	119	119	116	115
Worth	118	134	140	144	132	134	123	125	133	117	111	113	115	118	108	109
Wright	127	127	124	131	136	134	130	129	123	118	115	114	117	113	111	111
State of Iowa	129	132	137	137	137	135	132	129	129	118	113	117	120	118	107	113

Table 8. Adjusted Average Monthly Regular-Program AFDC Payments Per Person (in 1995 \$s) in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	129	130	141	142	147	150	162	155	162	154	146	155	177	178	187	200
Adams	115	125	138	136	147	143	158	159	158	156	153	164	173	175	188	199
Allamakee	132	134	140	144	139	149	156	160	162	164	162	167	176	181	182	188
Appanoose	134	143	148	149	154	161	166	165	168	154	155	162	176	178	183	191
Audubon	130	124	133	134	141	142	150	156	174	166	155	164	173	172	177	202
Benton	128	136	143	147	152	153	161	165	170	161	161	173	188	189	192	202
Black Hawk	131	136	143	147	152	154	160	164	170	164	160	174	189	193	200	215
Boone	128	140	148	153	160	162	172	174	176	171	162	173	182	187	192	200
Bremer	125	133	142	150	154	160	162	160	166	157	158	170	183	190	203	210
Buchanan	126	130	140	146	151	158	162	163	172	166	157	165	171	181	193	199
Buena Vista	128	137	143	149	152	159	164	169	178	164	160	168	176	176	183	199
Butler	126	135	141	143	148	156	158	161	166	156	153	168	179	184	205	200
Calhoun	121	131	144	147	152	149	151	159	170	164	160	167	176	179	185	202
Carroll	129	133	140	144	148	154	161	161	172	160	160	165	177	178	174	188
Cass	126	130	135	143	155	156	158	163	168	168	164	173	176	175	183	202
Cedar	132	135	144	151	153	152	161	166	174	167	164	187	185	184	190	206
Cerro Gordo	133	139	148	151	155	158	161	166	176	167	162	173	186	190	193	208
Cherokee	128	136	141	138	143	151	156	161	165	154	147	161	180	181	180	195
Chickasaw	126	135	144	146	152	152	162	164	168	164	161	173	185	185	195	204
Clarke	130	136	140	141	153	153	154	156	165	168	158	170	179	176	183	202
Clay	134	138	148	146	156	156	164	169	181	167	160	171	185	185	192	208
Clayton	125	135	146	149	149	147	158	159	166	161	157	165	176	181	182	191
Clinton	132	141	149	154	156	161	164	166	173	167	164	174	182	184	190	204
Crawford	132	135	142	143	149	154	161	165	172	167	164	171	179	176	183	199
Dallas	133	142	152	154	155	158	164	164	170	163	157	168	177	181	182	204
Davis	131	133	146	146	156	153	164	163	165	159	153	161	176	173	182	193
Decatur	120	132	143	152	157	160	162	159	170	166	161	171	173	175	182	202
Delaware	122	124	133	141	144	147	153	154	164	161	155	160	174	182	180	195
Des Moines	130	138	144	150	153	154	159	163	169	160	155	170	177	179	183	200
Dickinson	135	139	140	153	156	162	160	159	176	167	151	167	176	173	183	200
Dubuque	127	135	143	147	152	158	166	173	178	163	160	170	179	181	187	204
Emmet	122	140	142	145	143	151	154	156	170	161	154	162	174	181	185	197
Fayette	131	134	141	145	149	151	158	164	166	163	158	164	173	176	185	200
Floyd	130	133	142	147	153	157	159	165	170	161	160	167	177	181	185	202
Franklin	120	131	140	151	155	154	161	170	178	164	167	174	182	176	179	193
Fremont	124	128	139	141	147	150	156	159	166	159	157	164	167	173	177	199
Greene	131	134	138	145	152	154	160	157	165	157	153	168	177	181	183	199
Grundy	137	138	142	151	157	160	162	163	172	154	153	168	173	189	198	200
Guthrie	128	130	140	145	149	150	156	152	161	154	154	162	164	164	172	186
Hamilton	136	140	146	152	156	157	155	160	172	164	160	164	174	176	185	197
Hancock	120	131	141	145	151	160	166	166	172	161	155	168	170	179	169	186
Hardin	130	134	144	151	156	165	169	164	170	163	167	181	183	181	183	197
Harrison	126	129	136	142	143	153	151	160	164	160	153	164	170	176	183	193
Henry	126	131	141	147	149	153	155	165	178	161	155	173	182	179	188	200
Howard	120	124	139	142	149	151	160	165	170	160	153	168	171	170	174	190
Humboldt	116	116	133	141	152	160	158	163	174	166	158	170	176	178	185	204
Ida	128	131	142	141	141	149	150	157	161	159	157	170	173	168	177	186
Iowa	120	123	139	154	157	160	165	168	172	164	162	173	182	173	185	206
Jackson	129	138	146	152	155	160	164	168	174	161	160	170	180	181	187	204
Jasper	131	139	149	150	154	159	160	164	172	163	160	168	180	181	188	210

Table 8. Adjusted Average Monthly Regular-Program AFDC Payments Per Person (in 1995 \$s) in Iowa Counties, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	130	137	144	155	157	158	166	164	170	156	154	170	183	185	193	211
Johnson	132	136	144	152	167	159	170	175	189	167	167	181	197	206	213	224
Jones	130	133	140	147	153	153	159	161	172	168	165	175	194	189	193	206
Keokuk	129	134	142	154	156	153	154	154	158	157	154	157	176	182	185	206
Kossuth	123	132	140	142	153	156	161	163	170	156	147	152	167	170	182	199
Lee	126	134	141	146	151	156	159	163	170	164	160	167	174	178	187	202
Linn	128	136	144	151	155	158	165	170	177	166	161	175	188	187	197	210
Louisa	130	137	141	146	149	156	159	163	172	160	157	164	173	176	182	199
Lucas	131	138	144	152	154	162	161	159	160	157	154	158	171	173	172	191
Lyon	128	131	134	129	135	133	150	163	165	153	153	158	170	165	185	195
Madison	127	130	146	153	156	158	160	161	170	159	160	165	171	170	187	208
Mahaska	134	141	149	156	154	158	165	164	174	163	158	171	185	187	192	204
Marion	123	136	143	147	154	159	162	172	174	167	160	173	177	181	175	204
Marshall	129	134	143	151	153	159	164	169	177	157	154	175	192	187	192	210
Mills	126	128	140	145	148	152	155	157	162	159	151	162	173	176	170	199
Mitchell	137	139	147	153	151	160	170	172	177	179	168	181	174	170	183	204
Monona	122	134	140	145	152	157	151	157	168	166	155	165	173	178	183	202
Monroe	125	131	141	145	151	151	155	161	165	168	160	165	171	176	182	199
Montgomery	124	136	149	152	157	159	160	166	176	171	162	171	177	176	187	193
Muscatine	133	138	143	146	151	156	159	163	172	168	162	174	182	184	188	210
O'Brien	124	129	139	143	151	153	159	155	165	152	154	167	180	179	177	197
Osceola	114	125	135	145	142	139	145	146	152	153	148	175	170	168	182	195
Page	123	130	140	144	149	150	158	163	166	161	160	168	177	178	180	199
Palo Alto	123	132	136	136	143	152	153	150	166	152	154	162	168	168	183	195
Plymouth	127	133	149	151	155	153	160	157	170	157	164	174	176	179	180	195
Pocahontas	119	128	140	149	148	158	154	156	166	167	161	158	167	162	165	184
Polk	132	139	147	152	156	159	162	165	173	164	161	171	180	184	188	202
Pottawattamie	128	134	141	146	151	154	159	161	168	164	157	168	177	179	187	204
Poweshiek	125	136	147	150	152	156	155	157	169	167	158	175	182	184	192	199
Ringgold	122	134	147	158	156	160	164	168	176	171	161	165	173	175	167	193
Sac	125	135	143	145	151	151	156	168	177	166	160	171	186	184	183	204
Scott	130	138	146	149	153	157	161	165	172	160	158	170	182	184	188	204
Shelby	129	138	139	146	149	150	155	147	162	156	148	161	170	178	179	202
Sioux	120	126	147	146	147	144	154	151	157	153	148	162	168	168	180	195
Story	136	143	151	155	160	164	173	177	181	175	169	183	182	185	193	208
Tama	124	134	142	147	149	156	159	165	172	168	164	164	176	178	188	208
Taylor	113	134	147	145	147	150	155	157	166	160	157	171	168	165	169	193
Union	130	136	147	150	152	151	162	166	165	163	158	175	183	185	188	206
Van Buren	127	137	141	149	149	152	161	163	173	164	161	171	183	184	183	200
Wapello	131	137	148	152	157	157	162	165	170	161	157	165	179	185	192	208
Warren	131	138	152	155	156	161	169	173	173	164	157	171	186	185	197	208
Washington	119	134	141	146	149	147	153	154	168	161	157	161	176	187	200	210
Wayne	126	125	136	139	145	153	151	152	164	160	155	168	174	173	187	204
Webster	128	134	143	149	152	156	159	161	169	159	155	165	174	176	183	195
Winnebago	121	131	141	149	146	153	154	159	172	149	144	165	179	182	185	204
Winneshiek	132	141	139	142	146	156	158	166	172	149	144	152	170	179	179	210
Woodbury	128	133	141	145	149	152	158	163	172	160	155	168	179	184	190	208
Worth	118	138	148	156	147	156	150	160	177	161	155	164	173	182	177	197
Wright	127	131	131	142	152	156	159	165	164	163	161	165	176	175	182	200
State of Iowa	129	136	144	149	153	157	161	165	172	163	158	170	180	182	175	204

Table 9. Average Monthly Unemployed-Parent AFDC Payments Per Person (in \$) in Iowa Counties, 1983-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	92	82	99	91	92	103	66	81	101	86	87	90	119
Adams	104	98	99	100	97	111	111	91	94	87	86	94	103
Allamakee	105	99	97	88	102	111	112	110	111	91	91	88	99
Appanoose	91	93	102	106	108	103	99	98	104	89	87	94	103
Audubon	84	80	105	93	88	103	115	91	91	79	87	86	103
Benton	80	91	101	94	97	101	90	96	104	86	77	94	108
Black Hawk	92	95	102	101	106	102	102	100	101	90	84	94	120
Boone	96	96	105	108	102	104	104	98	99	91	87	98	106
Bremer	86	88	97	111	101	106	102	103	100	90	80	86	99
Buchanan	90	85	101	104	101	105	98	97	98	92	85	94	93
Buena Vista	95	97	107	107	112	107	98	92	99	82	83	96	116
Butler	90	95	110	111	102	113	106	97	100	89	90	93	94
Calhoun	71	77	94	109	107	101	95	97	94	84	86	89	91
Carroll	98	84	89	99	114	92	89	112	113	85	86	95	104
Cass	80	74	82	96	103	101	88	91	95	97	92	101	110
Cedar	83	73	102	109	109	104	104	93	107	98	89	97	93
Cerro Gordo	81	94	101	101	106	101	103	97	101	91	88	101	98
Cherokee	103	102	110	110	116	104	97	115	104	81	79	77	107
Chickasaw	84	93	98	99	101	102	88	93	102	88	85	89	106
Clarke	101	103	105	101	103	91	106	99	100	96	91	99	110
Clay	96	91	99	107	113	115	122	97	101	90	90	97	104
Clayton	79	92	100	111	115	108	106	104	105	88	90	94	108
Clinton	90	92	105	107	108	100	102	96	98	91	87	95	97
Crawford	85	85	120	114	114	101	107	107	112	91	92	102	102
Dallas	91	96	115	114	114	112	105	99	98	94	90	100	105
Davis	93	93	112	116	112	108	106	100	104	91	94	95	99
Decatur	91	90	101	109	110	110	112	109	103	101	93	93	99
Delaware	82	87	98	98	91	96	88	96	99	92	88	89	96
Des Moines	94	96	103	104	100	102	99	96	102	88	81	95	99
Dickinson	81	106	110	109	102	92	87	91	88	82	70	80	98
Dubuque	80	86	97	98	100	100	99	94	97	89	85	89	95
Emmet	73	89	99	102	96	95	102	94	102	76	72	91	85
Fayette	87	90	104	107	110	99	105	104	105	89	83	90	103
Floyd	92	92	102	105	104	111	97	92	94	86	79	84	91
Franklin	84	80	86	98	105	97	102	108	102	96	85	92	103
Fremont	71	72	98	96	101	97	99	98	101	101	92	91	100
Greene	91	89	106	96	109	97	106	99	99	88	88	93	86
Grundy	93	94	101	94	94	114	107	100	99	89	96	93	105
Guthrie	98	89	96	106	109	102	106	102	99	86	82	88	88
Hamilton	79	89	100	97	99	99	95	98	103	90	86	90	93
Hancock	82	89	101	97	99	108	85	92	90	92	82	89	103
Hardin	104	90	109	105	98	96	96	92	100	88	92	91	97
Harrison	78	76	90	101	93	104	106	106	99	87	77	88	96
Henry	85	88	98	95	96	105	93	101	100	90	82	98	104
Howard	97	89	96	96	98	117	105	96	103	76	75	86	91
Humboldt	87	83	104	111	110	101	90	106	96	91	91	94	92
Ida	70	62	62	.	117	108	.	90	92	79	84	85	86
Iowa	90	83	110	102	100	102	100	99	100	77	87	99	113
Jackson	88	92	103	97	103	106	99	97	99	94	87	92	99
Jasper	93	96	102	107	112	98	106	97	98	89	87	98	101

^aNo payments of this kind were made this year.

Table 9. Average Monthly Unemployed-Parent AFDC Payments Per Person (in \$) in Iowa Counties, 1983-1995
(continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	85	93	103	105	108	103	105	99	104	88	84	91	95
Johnson	94	94	103	108	103	98	99	97	108	72	70	96	98
Jones	87	80	103	102	100	105	100	100	105	93	82	99	121
Keokuk	98	90	94	93	95	107	104	98	98	88	88	96	108
Kossuth	75	73	82	99	89	89	94	97	96	76	75	85	89
Lee	78	88	105	105	108	105	102	100	102	88	86	94	99
Linn	85	87	99	98	101	100	101	99	103	88	88	99	114
Louisa	103	100	106	103	110	110	100	103	103	88	87	96	105
Lucas	100	94	97	103	92	100	98	97	97	91	85	95	107
Lyon	76	101	104	124	.	.	91	89	102	88	75	84	90
Madison	85	79	107	109	93	92	103	81	90	85	90	97	91
Mahaska	90	90	108	112	112	106	110	105	116	89	84	101	110
Marion	95	94	108	109	110	111	108	101	102	92	87	99	99
Marshall	90	86	105	109	102	107	106	101	100	83	81	99	111
Mills	83	85	92	103	97	108	97	93	99	91	86	87	96
Mitchell	92	119	110	103	123	96	110	95	119	90	95	91	96
Monona	103	88	110	102	103	104	101	94	100	98	96	87	94
Monroe	88	91	105	105	104	102	103	103	105	96	90	97	102
Montgomery	82	81	94	118	120	103	112	93	90	91	84	95	114
Muscatine	89	89	99	104	103	105	102	102	98	94	88	96	104
O'Brien	80	76	85	92	104	116	78	90	101	95	88	98	102
Osceola	75	105	99	113	115	113	89	75	84	86	87	84	101
Page	90	83	102	97	110	95	102	103	100	90	83	82	93
Palo Alto	74	81	113	109	99	91	100	104	103	81	80	94	98
Plymouth	75	84	95	111	117	85	107	96	95	86	77	90	96
Pocahontas	103	87	102	104	106	94	97	84	101	90	81	96	95
Polk	91	93	104	105	109	105	102	99	103	92	86	93	97
Pottawattamie	86	89	101	104	105	101	99	95	99	92	83	89	98
Poweshiek	99	92	106	105	102	95	80	91	97	81	82	95	103
Ringgold	82	99	114	115	114	109	97	107	114	93	88	103	105
Sac	75	83	97	100	100	113	103	100	104	87	85	84	99
Scott	91	92	103	103	106	103	102	100	102	92	87	93	102
Shelby	92	100	103	102	106	104	99	88	93	87	82	94	104
Sioux	103	105	100	103	120	105	66	56	67	83	76	88	111
Story	88	85	101	109	106	103	118	134	119	105	94	103	107
Tama	89	84	99	103	101	107	105	113	108	92	85	93	96
Taylor	79	90	89	105	105	89	102	104	100	89	86	109	108
Union	74	78	96	107	111	105	97	111	103	87	86	102	112
Van Buren	89	82	108	115	109	106	98	98	92	88	84	94	106
Wapello	89	95	104	102	105	106	104	100	103	89	87	95	104
Warren	80	81	98	107	100	101	105	97	100	92	84	98	106
Washington	85	75	99	104	99	110	105	104	108	88	96	100	93
Wayne	82	92	96	100	96	97	109	109	106	93	88	95	99
Webster	87	92	99	101	97	100	98	95	99	90	83	92	102
Winnebago	91	97	123	121	91	98	97	100	113	85	72	92	92
Winneshiek	71	78	96	102	109	100	101	101	101	88	81	88	97
Woodbury	88	84	102	103	101	99	98	98	102	79	82	96	101
Worth	82	87	113	113	92	100	79	84	112	91	86	102	113
Wright	87	79	105	99	101	114	95	95	95	94	94	96	108
State of Iowa	88	90	102	103	104	103	101	99	101	89	85	94	102

Table 10. Adjusted Average Monthly Unemployed-Parent AFDC Payments Per Person (in 1995 \$s) in Iowa Counties, 1983-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	92	84	104	99	103	120	81	104	134	119	122	131	179
Adams	104	101	104	108	108	129	136	117	125	120	120	136	155
Allamakee	105	102	102	95	114	129	137	141	148	126	127	128	149
Appanoose	91	96	108	115	120	120	121	125	138	123	122	136	155
Audubon	84	82	111	101	98	120	140	117	121	109	122	125	155
Benton	80	94	106	102	108	117	110	123	138	119	108	136	162
Black Hawk	92	98	108	109	118	118	125	128	134	124	118	136	180
Boone	96	99	111	117	114	121	127	125	132	126	122	142	159
Bremer	86	90	102	120	113	123	125	132	133	124	112	125	149
Buchanan	90	87	106	113	113	122	120	124	131	127	119	136	140
Buena Vista	95	100	113	116	125	124	120	118	132	113	116	139	174
Butler	90	98	116	120	114	131	129	124	133	123	126	135	141
Calhoun	71	79	99	118	119	117	116	124	125	116	120	129	137
Carroll	98	86	94	107	127	107	109	143	150	117	120	138	156
Cass	80	76	86	104	115	117	107	117	127	134	129	146	165
Cedar	83	75	108	118	122	121	127	119	142	135	125	141	140
Cerro Gordo	81	97	106	109	118	117	126	124	134	126	123	146	147
Cherokee	103	105	116	119	129	121	118	147	138	112	111	112	161
Chickasaw	84	96	103	107	113	118	107	119	136	121	119	129	159
Clarke	101	106	111	109	115	106	129	127	133	132	127	144	165
Clay	96	94	104	116	126	133	149	124	134	124	126	141	156
Clayton	79	95	105	120	128	125	129	133	140	121	126	136	162
Clinton	90	95	111	116	120	116	125	123	131	126	122	138	146
Crawford	85	87	127	124	127	117	131	137	149	126	129	148	153
Dallas	91	99	121	124	127	130	128	127	131	130	126	145	158
Davis	93	96	118	126	125	125	129	128	138	126	132	138	149
Decatur	91	93	106	118	123	128	137	140	137	139	130	135	149
Delaware	82	89	103	106	102	111	107	123	132	127	123	129	144
Des Moines	94	99	109	113	112	118	121	123	136	121	113	138	149
Dickinson	81	109	116	118	114	107	106	117	117	113	98	116	147
Dubuque	80	88	102	106	112	116	121	120	129	123	119	129	143
Emmet	73	92	104	111	107	110	125	120	136	105	101	132	128
Fayette	87	93	110	116	123	115	128	133	140	123	116	131	155
Floyd	92	95	108	114	116	129	118	118	125	119	111	122	137
Franklin	84	82	91	106	117	113	125	138	136	132	119	133	155
Fremont	71	74	103	104	113	113	121	125	134	139	129	132	150
Greene	91	92	112	104	122	113	129	127	132	121	123	135	129
Grundy	93	97	106	102	105	132	131	128	132	123	134	135	158
Guthrie	98	92	101	115	122	118	129	131	132	119	115	128	132
Hamilton	79	92	105	105	110	115	116	125	137	124	120	131	140
Hancock	82	92	106	105	110	125	104	118	120	127	115	129	155
Hardin	104	93	115	114	109	111	117	118	133	121	129	132	146
Harrison	78	78	95	109	104	121	129	136	132	120	108	128	144
Henry	85	90	103	103	107	122	114	129	133	124	115	142	156
Howard	97	92	101	104	109	136	128	123	137	105	105	125	137
Humboldt	87	85	110	120	123	117	110	136	128	126	127	136	138
Ida	70	64	65	.	131	125	.	115	123	109	118	123	129
Iowa	90	85	116	111	112	118	122	127	133	106	122	144	170
Jackson	88	95	109	105	115	123	121	124	132	130	122	133	149
Jasper	93	99	108	116	125	114	129	124	131	123	122	142	152

^aNo payments of this kind were made this year.

Table 10. Adjusted Average Monthly Unemployed-Parent AFDC Payments Per Person (in 1995 \$s) in Iowa Counties, 1983-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	85	96	109	114	120	120	128	127	138	121	118	132	143
Johnson	94	97	109	117	115	114	121	124	144	99	98	139	147
Jones	87	82	109	111	112	122	122	128	140	128	115	144	182
Keokuk	98	93	99	101	106	124	127	125	131	121	123	139	162
Kossuth	75	75	86	107	99	103	115	124	128	105	105	123	134
Lee	78	90	111	114	120	122	125	128	136	121	120	136	149
Linn	85	89	104	106	113	116	123	127	137	121	123	144	171
Louisa	103	103	112	112	123	128	122	132	137	121	122	139	158
Lucas	100	97	102	112	103	116	120	124	129	126	119	138	161
Lyon	76	104	110	134	.	.	111	114	136	121	105	122	135
Madison	85	81	113	118	104	107	126	104	120	117	126	141	137
Mahaska	90	93	114	121	125	123	134	134	154	123	118	146	165
Marion	95	97	114	118	123	129	132	129	136	127	122	144	149
Marshall	90	88	111	118	114	124	129	129	133	114	113	144	167
Mills	83	87	97	112	108	125	118	119	132	126	120	126	144
Mitchell	92	122	116	112	137	111	134	122	158	124	133	132	144
Monona	103	90	116	111	115	121	123	120	133	135	134	126	141
Monroe	88	94	111	114	116	118	126	132	140	132	126	141	153
Montgomery	82	83	99	128	134	120	137	119	120	126	118	138	171
Muscatine	89	92	104	113	115	122	125	131	131	130	123	139	156
O'Brien	80	78	90	100	116	135	95	115	134	131	123	142	153
Osceola	75	108	104	123	128	131	109	96	112	119	122	122	152
Page	90	85	108	105	123	110	125	132	133	124	116	119	140
Palo Alto	74	83	119	118	110	106	122	133	137	112	112	136	147
Plymouth	75	86	100	120	131	99	131	123	127	119	108	131	144
Pocahontas	103	89	108	113	118	109	118	108	134	124	113	139	143
Polk	91	96	110	114	122	122	125	127	137	127	120	135	146
Pottawattamie	86	92	106	113	117	117	121	122	132	127	116	129	147
Poweshiek	99	95	112	114	114	110	98	117	129	112	115	138	155
Ringgold	82	102	120	125	127	126	118	137	152	128	123	149	158
Sac	75	85	102	108	112	131	126	128	138	120	119	122	149
Scott	91	95	109	112	118	120	125	128	136	127	122	135	153
Shelby	92	103	109	111	118	121	121	113	124	120	115	136	156
Sioux	103	108	105	112	134	122	81	72	89	114	106	128	167
Story	88	87	106	118	118	120	144	172	158	145	132	149	161
Tama	89	86	104	112	113	124	128	145	144	127	119	135	144
Taylor	79	93	94	114	117	103	125	133	133	123	120	158	162
Union	74	80	101	116	124	122	118	142	137	120	120	148	168
Van Buren	89	84	114	125	122	123	120	125	123	121	118	136	159
Wapello	89	98	110	111	117	123	127	128	137	123	122	138	156
Warren	80	83	103	116	112	117	128	124	133	127	118	142	159
Washington	85	77	104	113	110	128	128	133	144	121	134	145	140
Wayne	82	95	101	108	107	113	133	140	141	128	123	138	149
Webster	87	95	104	109	108	116	120	122	132	124	116	133	153
Winnebago	91	100	130	131	102	114	118	128	150	117	101	133	138
Winneshiek	71	80	101	111	122	116	123	129	134	121	113	128	146
Woodbury	88	86	108	112	113	115	120	125	136	109	115	139	152
Worth	82	89	119	123	103	116	97	108	149	126	120	148	170
Wright	87	81	111	107	113	132	116	122	127	130	132	139	162
State of Iowa	88	93	108	112	116	120	123	127	134	123	119	136	153

Most AFDC cases serve more than one individual, of course. The average number of Iowans receiving benefits in the regular AFDC program each month in 1995 was 83,448 (Table 2). This figure was substantially lower than the other years examined and represented a decrease of 11,120 from 1994. More than 100,000 persons were in the program each month, on average, in both 1985 and 1986 (Figure 1).

Polk county averaged 13,471 AFDC recipients monthly in the regular program in 1995, 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 (34.5%) of Iowa's average monthly regular AFDC recipients. Seventy-three of Iowa's counties had fewer than 500 recipients in 1995, although Audubon was the only county below 100.

Declines from 1994 to 1995 in the number of recipients took place in 90 counties; 44 of these counties had decreases of less than 50. Ten declined by more than 200 persons; only Polk had a decrease greater than 800. Increases in the number of recipients occurred in seven counties between 1994 and 1995. Gains were relatively minor (less than 20) in all of these counties.

Iowa had 16,585 fewer persons receiving regular AFDC each month, on average, in 1995 than in 1985. Most (88) of Iowa's counties followed this trend. Black Hawk, Dubuque, Linn, Polk, and Woodbury dropped by at least 1,000, although most (49) lost fewer than 100 recipients. Of the 11 counties with more recipients in 1995 than in 1985, Johnson and Story gained at least 100.

Unemployed-Parent AFDC Cases and Recipients

Iowa averaged 3,336 unemployed-parent AFDC cases each month in 1995 (Table 3). The 1995 average was less than that from 1983 through 1987, when Iowa had more than 3,700 such cases. Twenty of the counties averaged fewer than 10 unemployed-parent cases each month in 1995. Seventy-one counties had from 10 to 99 unemployed-parent cases. The highest monthly averages were in four counties (Black Hawk, Linn, Polk, Scott) with more than 150 each; Polk's total of 332 was the highest.

Unemployed-parent cases decreased, on average, by 405 between 1994 and 1995 in the state. Most (84) of the counties reported increases or decreases of nine or fewer cases or no change from one year to the next. Dubuque, Lee, Linn, and Pottawattamie decreased by more than 20 cases.

Iowa's unemployed-parent case average was lower by 1,772 in 1995 than it was in 1985. Seventy-eight counties also had declines when comparing these years. Black Hawk, Clinton, Dubuque, Linn, and Scott had decreases of 100 or more cases. Five counties remained the same; the remaining 16 had increases over the period, although only Polk and Pottawattamie reported at least 40 more cases in 1995 than in 1985.

The average monthly number of AFDC recipients in the unemployed-parent program was 13,539 in 1995, a figure 1,843 lower than in 1994 (Table 4, Figure 2). The 1995 total was nearly equal to that in 1983, although substantial changes occurred between these years. Polk had the highest monthly average (1,379) of unemployed-parent recipients in 1995; 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 Hancock, Howard, Ida, Lyon, Mitchell, and Osceola.

The number of recipients of unemployed-parent AFDC benefits decreased between 1994 and 1995. Thirty-two counties reported changes in either direction of fewer than 10 recipients or had the same number in 1994 and 1995. Gains in Dickinson, Johnson, and Sioux exceeded 20. Iowa averaged 9,633 fewer persons per month receiving unemployed-parent AFDC benefits in 1995 than in 1985. Most (86) of the counties followed the downward state trend. Decreases greater than 400 occurred in Black Hawk, Clinton, Dubuque, Linn, and Scott. Of the 11 counties with more unemployed-parent recipients in 1995 than in 1985, only Polk, Pottawattamie, and Story increased by more than 100.

Cases and recipients in the unemployed-parent portion of the AFDC program have varied much more in the 1980s and 1990s than those in the regular AFDC program. The unemployed-parent program corresponds much more closely to variations in Iowa's economy than does the regular program.

Total Annual AFDC Payments

Total benefits paid in Iowa in 1995 for the regular AFDC program exceeded \$129 million, which was about 20 million less than the 1994 total (Table 5, Figure 3). Payments increased in 7 of the 15 year-to-year comparisons. County totals in 1995 varied from less than \$150,000 in Audubon and Osceola to more than \$10 million in Polk and Scott. Polk's figure, at \$21.3 million, was nearly \$7.5 million above the second highest total (Scott, \$13.9 million). Only six counties reported higher benefits paid to participants in the regular program in 1995 than in 1994. The state's decrease (-\$20.5 million) was matched in 93 counties, five (Black Hawk, Linn, Polk, Scott, Woodbury) of which declined by at least \$1 million.

Iowa's total payments to regular recipients decreased by \$6.7 million between 1985 and 1995; 68 of the counties had lower benefits paid at the end of the period. Declines in Black Hawk, Dubuque, Linn, and Woodbury each topped \$1 million. Of the 31 counties with higher benefits paid in 1995, Polk and Scott increased payments by more than \$1 million.

Unemployed-parent program benefits totaled \$14.3 million in 1995 (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.

Six counties provided less than \$20,000 in unemployed-parent benefits in 1995, with Ida (\$9,000) reporting the lowest figure. The highest benefits were recorded in Polk (\$1.5 million) and Scott (\$1.2 million), which were the only two greater than \$1 million. Nearly three-fourths (73) of Iowa's 99 counties distributed lower unemployed-parent benefits in 1995 than in 1994.

Total costs for the unemployed-parent program in Iowa were \$9.4 million lower in 1995 than in 1985. Most (84) counties also reported lower benefits at the end of the period; among these, Black Hawk, Clinton, Dubuque, Linn, and Scott had decreases greater than a half million dollars. For counties with higher payments in 1995 than in 1985, the increases were not of this magnitude; Polk's gain (+\$203,000) was highest.

Average Monthly Payments Per Person

The average per person benefit per month for the regular program was \$129 in 1995 (Table 7). This was the same as the 1987 and 1988 figures and within \$8 of the average monthly payment each year since 1987 (Figure 5). Benefits per person in the early 1980s ranged from \$107 to \$120 per month. Among the counties, there was a \$24 difference between the lowest (\$113 in Taylor) and the highest (\$137 in Grundy and Mitchell) monthly per person benefits in 1995. For all the years from 1980 through 1995, less than \$30 separated the lowest and highest county in per person monthly payments for the regular program.

Changes between 1994 and 1995 in the regular program benefits were small in most counties; a \$17 drop in Taylor County was the largest change in either direction. Modest change also is noted when 1985 and 1995 are compared. Iowa averaged \$16 more per person in the regular program in the later year and increases were recorded for all counties. Only four counties (Adair, Dickinson, Grundy, Winneshiek) gained at least \$25 across the period.

The state's average per person increase of 14.2 percent between 1985 and 1995 did not keep pace with inflation as measured by a 40.1 percent rise in the consumer price index for the same years. Indeed, benefit increases were less than 10 percent in 25 counties, and the greatest gain (Winneshiek, +28.2%) still was well below the rate of inflation. The small percentage change in per person benefits for the regular AFDC program from 1985 to 1995 contrasts sharply with percentage increases for average

monthly benefits per person in the food stamp (+48.1%) program. Clearly, the increase in average regular AFDC 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 \$158 in 1985 to \$129 in 1995, an 18.4 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, Franklin, Humboldt, Iowa, Pocahontas, and Taylor had declines of at least 25 percent in payments per person after inflation is taken into account.

For persons in the unemployed-parent program, monthly payments statewide averaged \$88 in 1995 (Table 9). This was \$2 lower than 1994; only the figure for 1985 was under the 1995 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 1995, county-level average benefits per person in the unemployed-parent program ranged from \$70 (Iowa) to \$105 (Allamakee). For any given year, there was more variation among the counties in the unemployed-parent payments than in those for the regular program.

The 1995 average benefits for persons in the unemployed-parent program was \$3 more than that in 1985 for the state, and 56 counties had higher average payments in 1995 than 10 years earlier. Five counties (Cherokee, Howard, Johnson, Pocahontas, Sioux) gained at least \$20 across the 10 years, while Fremont dropped by at least that amount. When adjusted for inflation, benefits for persons in the unemployed-parent program decreased 26.1 percent from 1985 to 1995 (Table 10). Again all counties experienced this trend; while six counties (Cherokee, Howard, Johnson, Pocahontas, Sioux, Winnebago) noted declines of less than 10 percent, three (Calhoun, Fremont, Iowa) decreased average payments per person by at least 40 percent when inflation was included in the calculations.

Figure 1. Average number of persons receiving regular AFDC per month in Iowa, 1980-1995.

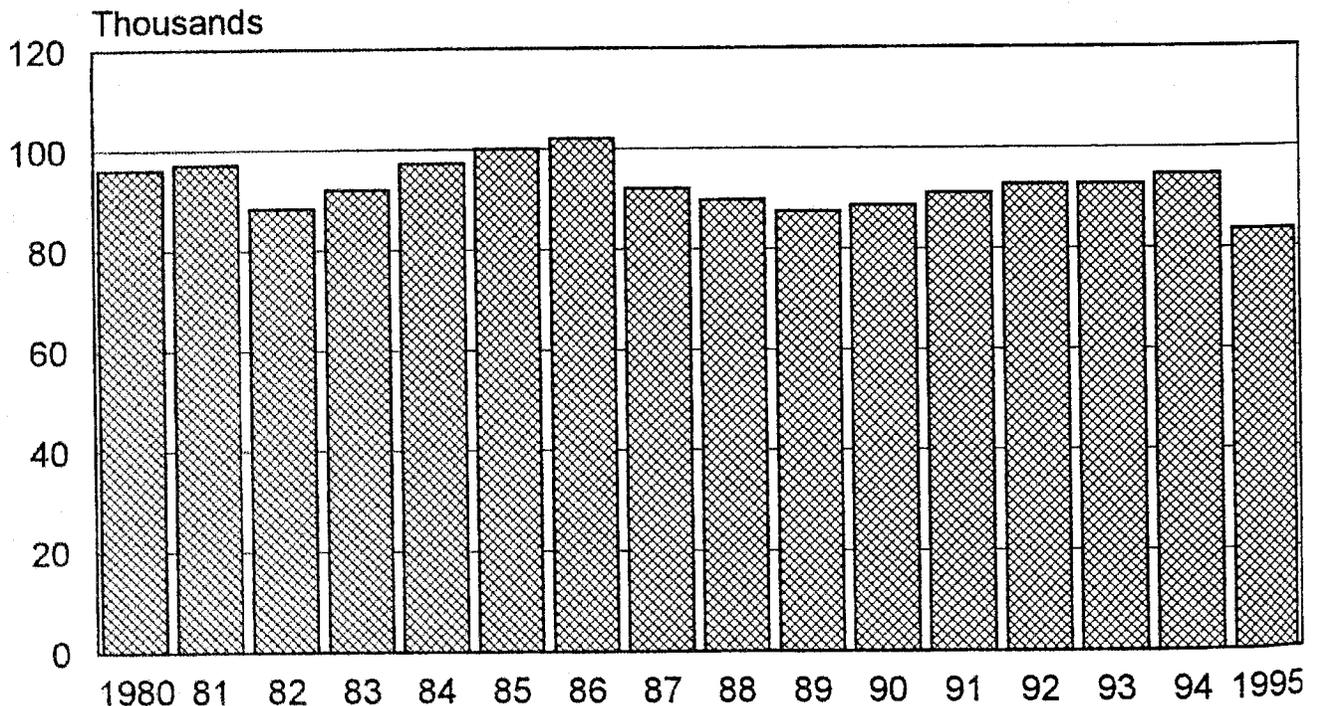


Figure 2. Average number of persons receiving unemployed-parent AFDC per month in Iowa, 1983-1995.

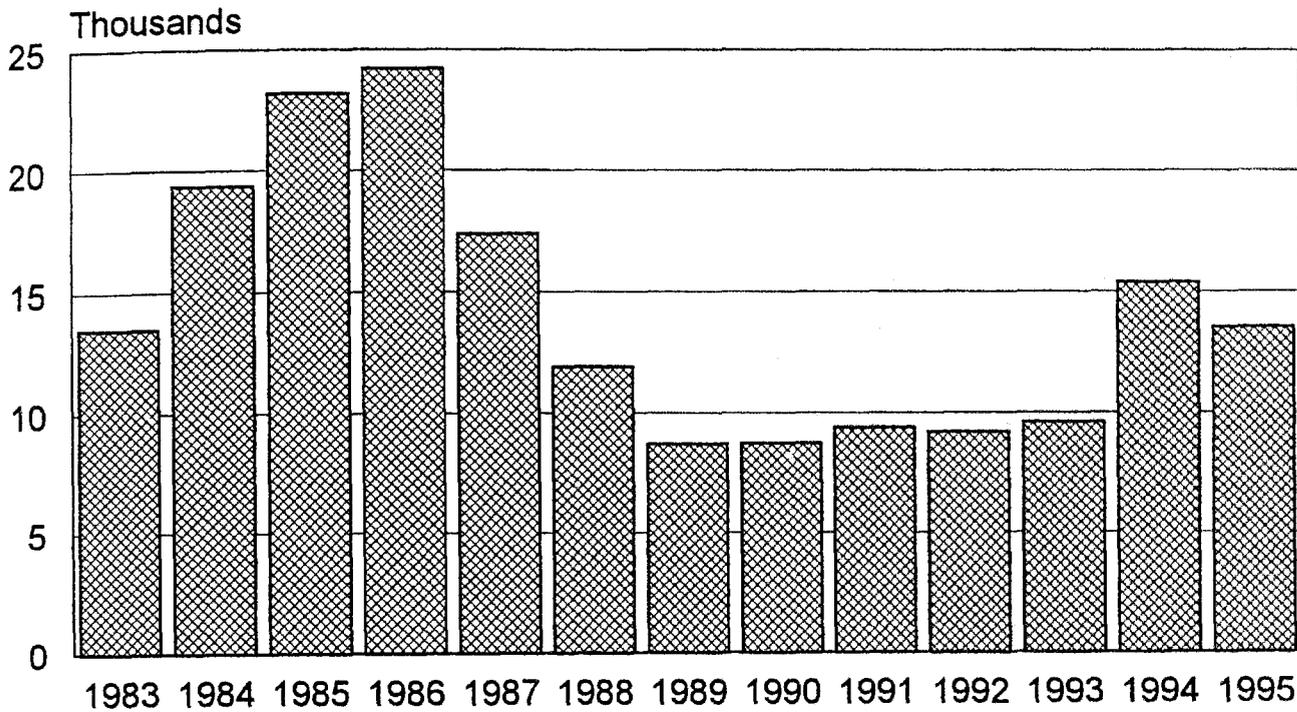


Figure 3. Total annual payments to persons receiving regular AFDC in Iowa, 1980-1995.

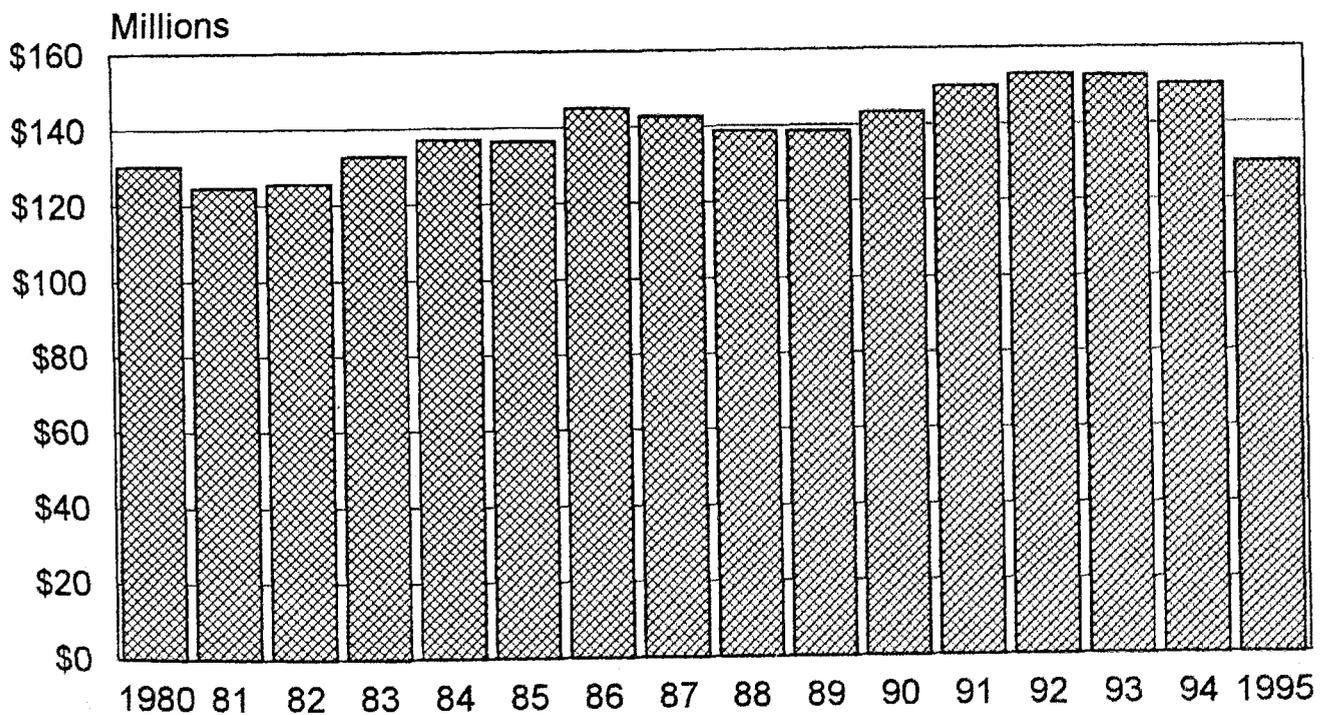


Figure 4. Total annual payments to persons receiving unemployed-parent AFDC in Iowa, 1983-1995.

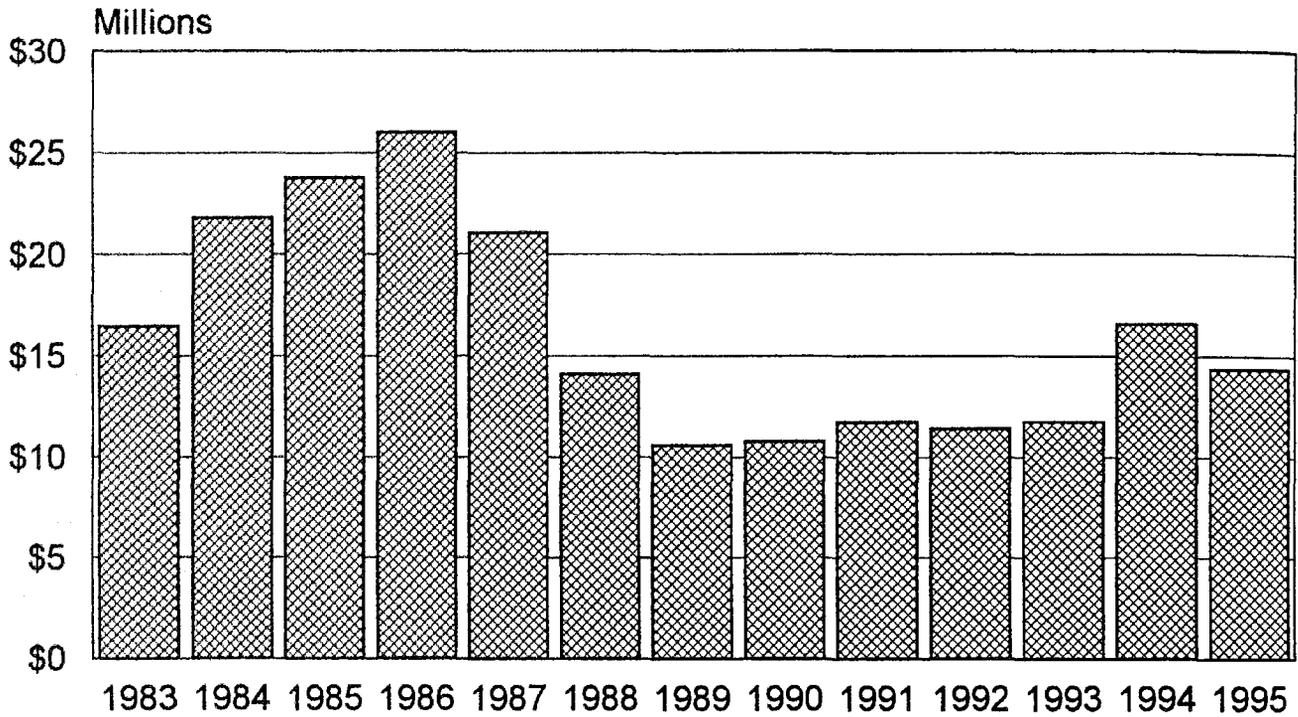
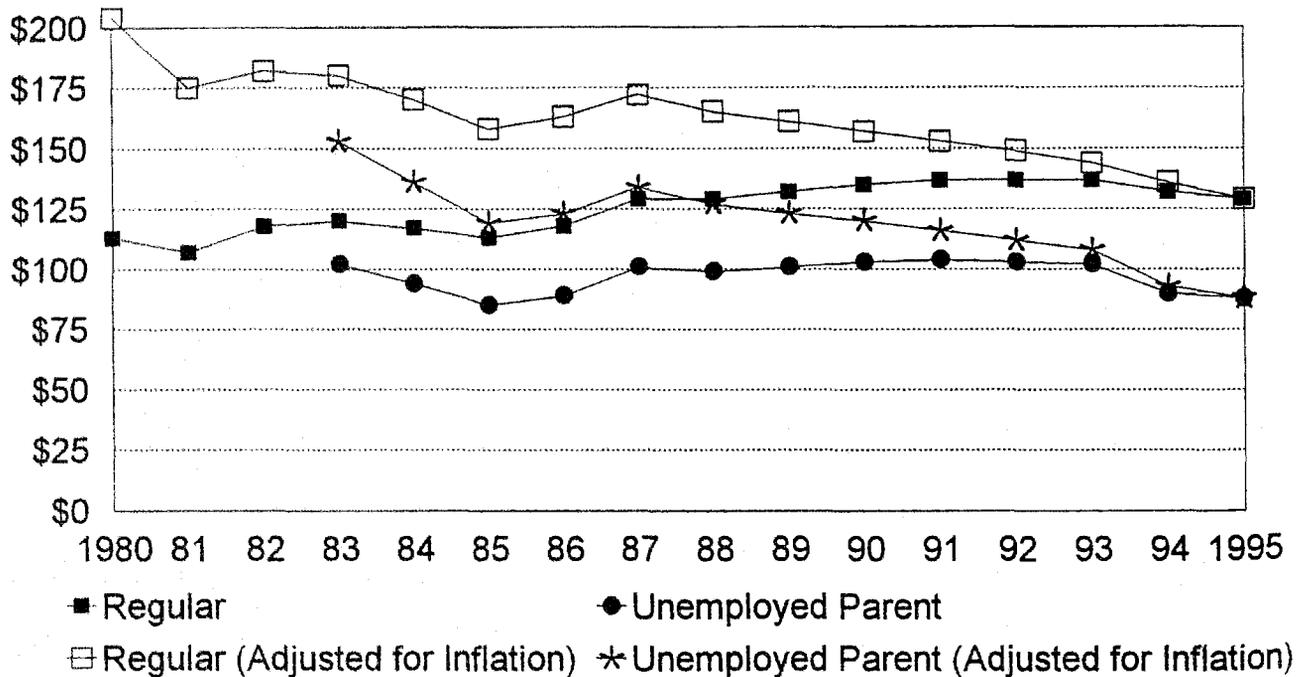


Figure 5. Average monthly AFDC payments (in \$) per recipient, 1980-1995.



Domestic Abuse in Iowa's Counties:

1993-1995

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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 Iowa Department of Public Safety did not receive 1995 reports from 15 jurisdictions, including the 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. And some reports were deleted by the Iowa Department of Public Safety because of insufficient data, including those from 14 offices of county sheriffs (Allamakee, Audubon, Clinton, Dickinson, Franklin, Fremont, Humboldt, Mills, Monroe, Montgomery, Pottawattamie, Shelby, Union, Washington) and nine police departments (Albia, Council Bluffs, Creston, Glenwood, Grinnell, Keokuk, Knoxville, Oelwein, Sergeant Bluff). Numbers in Table 1 for counties with these law enforcement jurisdictions are underreported—undoubtedly grossly so in some cases.

The number of law enforcement units reporting data has changed from one year to the next. Generally, an increase in the number of units submitting information has occurred; but that does not mean that complete data have been provided. Thus, comparisons of 1993, 1994, and 1995 numbers are not appropriate either for the state or for many counties (Tables 1-3).

Data for the State

Nearly 6,800 incidents of domestic abuse were reported in 1995 (Table 1). Females tend to be victims while males generally are the offenders in cases of domestic abuse. In 1995, 84.0 percent of the victims were females while 83.6 percent of the offenders were males. Arrests occurred in 71.6 percent of the cases for which responses were provided in 1995.

Table 1. 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 in these counties.

Table 1. 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 2. 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

*Underreporting occurred in some counties.

Table 2. 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 3. 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

*Underreporting occurred in some counties.

Table 3. 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

Data for Counties

In 1995, 10 counties had at least 100 cases of domestic abuse reported by law enforcement personnel (Table 1). Four of these counties (Black Hawk, Polk, Scott, Woodbury) counted 500 or more incidents. Ten 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 89 counties in which domestic abuse cases were reported in 1995, the percentage of victims who were female varied from 50 percent in one county (Washington) to 100 percent in 11 others. Females were victims in at least 90 percent of the incidents in 24 counties, and males were the offenders in at least 90 percent of the cases in 26 counties. In only eight counties (Appanoose, Clinton, Hancock, Jackson, Jefferson, Sioux, Van Buren, Wright) were males the offenders in less than three of every four incidents in 1995. Arrests occurred in all incidents of domestic abuse in 11 counties that year. In 29 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 nine other counties in 1995.

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.

Founded Child Abuse in Iowa's Counties:

1982-1995

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Information on child abuse is compiled by the Iowa Department of Human Services. The department, among many other duties, investigates reported or suspected cases of child abuse. A case is classified as founded child abuse if the investigation results in a determination that child abuse, as legally defined in Chapter 232.68 of the Iowa Code, occurred. Physical abuse, sexual abuse, denial of critical care, or any combination of these categories is included.

For this report, the number of children involved in founded abuse cases was summed for each year. The same child may be counted more than once if he or she was involved in more than one founded incident during the year. In mid-1987, the Department of Human Services made some changes in the method of reporting child abuse information. These changes may affect comparisons of data before and after 1987.

In 1995, 9,967 children were determined to be abused in Iowa, the highest of the years reported (Table 1, Figure 1). The gain of 795 between 1994 and 1995 was surpassed in the last 10 years only by those occurring from 1992 and 1993 (+900) and from 1987 to 1988 (+1,565).

Polk had 2,121 children with founded abuse in 1995, the highest number reported among the state's 99 counties. Eight other counties (Black Hawk, Cerro Gordo, Dubuque, Linn, Muscatine, Pottawattamie, Scott, Woodbury) had at least 200 children abused; these eight plus Polk accounted for more than half (55.6%) of the cases of child abuse in 1995. Nine counties had between 100 and 199 abused children, 20 counties ranged from 50 to 99, while 58 counties reported 10 to 49 children abused. For three counties (Adams, Davis, Shelby), the number of abused children in 1995 was less than 10.

Sixty counties had more abused children in 1995 than in 1994. For some of these counties, the differences between the two years were small; in 26 of these 60, for example, the gains were less than 10. For Polk and Scott, however, the increases were greater than 200. Thirty-six counties had fewer children with founded abuse in 1995 than in 1994. From one to nine fewer abused children were recorded for 14 counties. Declines exceeded 100 cases in Muscatine (-119), which dropped significantly more than Johnson (-38), the county with the next greatest decrease.

The number of children with founded abuse increased by 1,752 between 1990 and 1995. Sixty-one counties followed the state trend of increase during this period. Gains exceeded 50 in eight counties (Benton, Black Hawk, Cerro Gordo, Mills, Polk, Pottawattamie, Poweshiek, Scott) while declines were more than 50 only in Story when 1990 and 1995 figures were compared. Thirty-seven of Iowa's counties changed by fewer than 10 cases in either direction between 1990 and 1995.

When the years of 1985 and 1995 were compared, the number of cases in which abuse was found increased by 3,686. Three-quarters (77) of the counties also had gains. Polk increased by more than 1,000; Black Hawk, Cerro Gordo, Scott, and Woodbury had gains exceeding 100. Jasper and Lee declined by at least 70 cases; these were the only counties with decreases greater than 50. Twenty-nine counties changed by fewer than 10 cases when 1985 and 1995 were compared.

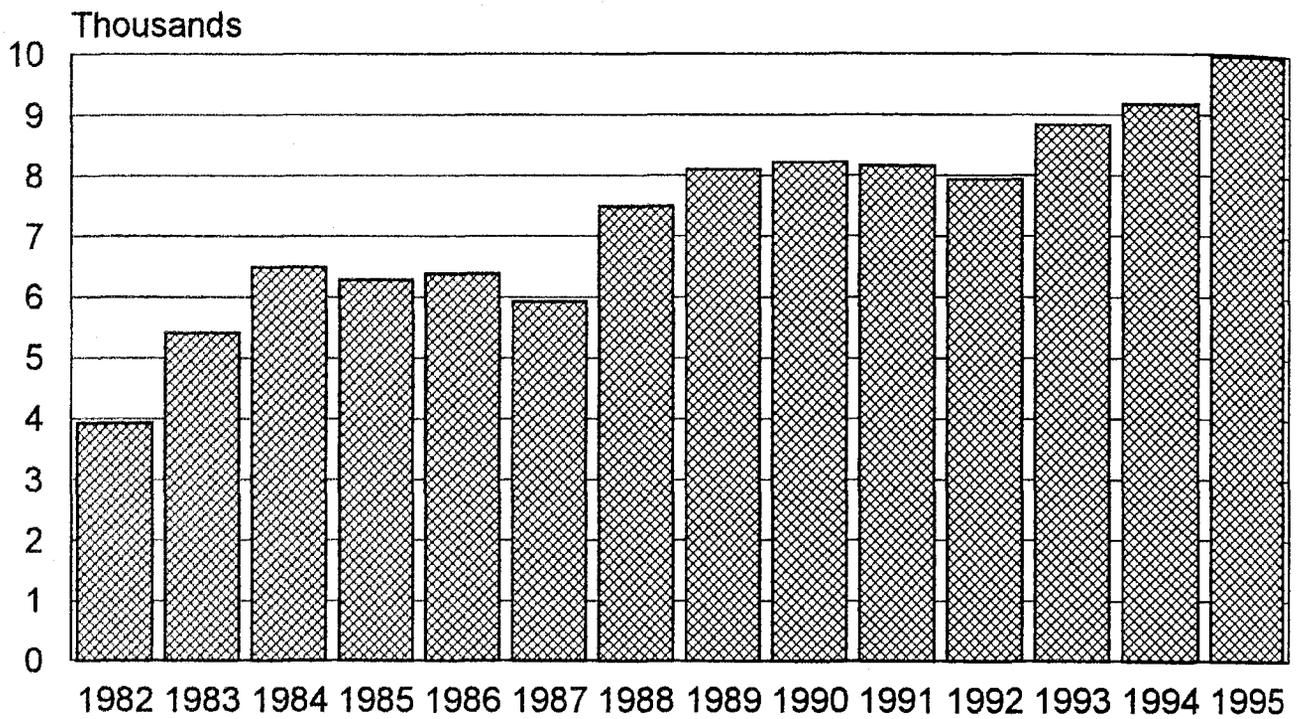
Table 1. Number of Children in Founded Cases of Child Abuse in Iowa Counties, 1982-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Adair	17	30	13	16	14	22	12	3	10	13	20	14	12	12
Adams	4	6	13	13	13	8	3	11	4	6	6	5	7	4
Allamakee	43	16	25	31	35	46	37	20	17	26	16	13	19	16
Appanoose	40	20	44	38	24	16	24	18	15	25	8	35	42	56
Audubon	24	22	13	8	8	18	17	17	24	7	5	23	15	6
Benton	119	67	69	28	56	47	62	46	39	40	30	27	27	7
Black Hawk	657	661	608	497	472	459	471	482	368	437	324	307	296	226
Boone	65	90	59	79	113	109	168	113	46	39	65	107	56	22
Bremer	24	33	29	38	20	20	31	29	19	30	23	26	13	11
Buchanan	64	42	60	43	40	29	37	54	40	59	49	21	16	17
Buena Vista	56	48	55	58	45	45	58	34	20	29	27	82	11	23
Butler	38	21	26	27	31	15	32	32	10	11	16	11	13	10
Calhoun	33	16	21	14	36	36	11	20	13	5	18	20	4	12
Carroll	53	32	36	15	50	37	38	41	41	9	27	21	25	17
Cass	44	14	43	29	27	31	26	37	29	18	23	27	31	37
Cedar	30	55	51	37	22	32	36	24	16	24	29	32	24	9
Cerro Gordo	251	205	225	161	173	121	149	130	87	102	69	83	96	83
Cherokee	19	33	19	15	26	27	36	18	9	16	25	26	23	12
Chickasaw	41	25	47	19	18	26	30	16	17	19	25	14	6	9
Clarke	36	40	23	31	25	22	37	29	13	10	22	7	8	11
Clay	56	54	54	65	57	69	56	65	41	50	38	38	19	26
Clayton	44	33	27	26	44	51	65	33	38	18	42	28	34	15
Clinton	163	162	188	147	119	150	144	128	127	119	140	154	102	102
Crawford	76	47	36	24	44	44	49	41	19	23	18	33	26	32
Dallas	97	84	62	52	95	69	78	74	85	64	42	58	47	50
Davis	8	8	21	24	14	19	13	17	14	7	20	18	12	10
Decatur	17	42	42	36	40	28	23	24	13	23	16	17	21	9
Delaware	36	33	20	39	55	65	91	68	55	47	37	85	43	31
Des Moines	167	170	129	135	109	121	132	91	98	127	108	119	79	46
Dickinson	54	52	28	39	25	33	45	22	31	24	16	12	17	11
Dubuque	200	170	235	199	185	198	187	178	106	106	176	162	102	65
Emmet	45	41	41	39	39	26	28	32	18	31	16	17	22	17
Fayette	45	48	63	46	52	73	46	38	62	46	53	48	46	14
Floyd	72	79	68	74	56	46	42	36	42	29	30	13	23	22
Franklin	13	18	12	11	25	16	24	22	10	10	19	14	16	7
Fremont	20	18	19	22	11	19	20	26	10	6	8	3	17	13
Greene	48	47	46	18	39	24	34	15	21	25	18	29	7	6
Grundy	18	15	22	13	16	10	17	11	9	6	6	2	10	15
Guthrie	48	38	22	36	18	24	22	17	24	14	18	23	6	20
Hamilton	62	77	57	63	83	74	56	34	27	26	24	31	23	25
Hancock	33	16	39	24	15	12	27	13	16	24	13	17	7	6
Hardin	42	36	11	18	21	31	39	41	27	34	32	22	24	28
Harrison	31	53	29	58	35	49	54	61	44	42	28	36	34	37
Henry	38	34	27	42	56	43	35	42	33	36	39	39	51	27
Howard	23	18	14	14	17	18	14	14	12	16	19	17	22	13
Humboldt	23	26	24	10	16	19	29	7	10	13	13	32	21	20
Ida	18	14	10	8	15	7	21	10	2	3	3	3	9	6
Iowa	39	13	42	24	9	22	24	23	17	18	11	14	9	1
Jackson	43	71	58	47	45	58	40	34	58	41	43	41	31	29
Jasper	138	126	104	109	129	135	90	131	80	159	209	171	35	42

Table 1. Number of Children in Founded Cases of Child Abuse in Iowa Counties, 1982-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Jefferson	20	39	44	29	35	19	23	21	17	29	20	23	39	46
Johnson	113	151	155	137	114	135	130	110	89	98	80	68	82	69
Jones	13	34	30	54	38	35	32	39	32	49	45	65	57	21
Keokuk	39	20	31	25	32	26	20	17	8	9	22	29	11	21
Kossuth	38	26	35	52	22	12	13	5	15	14	10	24	21	16
Lee	111	125	113	106	114	110	102	111	121	146	190	182	139	43
Linn	444	422	455	394	460	469	586	476	371	434	405	492	357	286
Louisa	35	44	35	10	34	38	34	28	12	21	24	20	14	11
Lucas	16	14	21	28	11	10	6	5	8	7	16	12	16	18
Lyon	21	13	15	10	15	15	7	12	13	4	13	9	10	8
Madison	28	30	26	16	25	31	32	26	30	23	21	13	8	12
Mahaska	58	43	32	51	49	37	23	31	29	28	37	41	30	29
Marion	69	92	91	107	119	98	105	120	79	119	92	60	64	25
Marshall	121	139	116	81	85	117	155	135	112	116	88	86	81	54
Mills	91	59	72	42	40	30	44	55	28	22	21	16	20	20
Mitchell	18	18	32	26	14	12	7	13	12	14	1	4	1	1
Monona	40	19	6	13	28	27	9	13	16	7	16	17	6	3
Monroe	10	19	19	24	25	15	7	6	7	12	9	5	10	7
Montgomery	20	31	21	24	31	16	31	20	37	21	11	20	36	12
Muscatine	223	342	277	205	276	222	182	138	91	85	129	141	137	130
O'Brien	28	44	16	32	14	21	15	17	7	13	12	3	18	13
Osceola	11	8	10	10	12	15	9	12	1	10	14	3	5	8
Page	49	29	38	61	30	64	57	50	22	19	13	39	25	42
Palo Alto	19	18	31	19	20	31	12	23	17	25	21	34	15	8
Plymouth	23	35	14	20	35	54	34	27	29	15	23	28	13	12
Pocahontas	19	19	18	8	12	28	23	19	21	16	7	27	1	17
Polk	2121	1777	1803	1474	1528	1478	1348	1518	1189	1271	1093	1122	860	543
Pottawattamie	324	332	377	302	273	245	249	265	290	339	372	316	332	176
Poweshiek	82	56	51	22	28	27	39	28	31	37	16	27	39	8
Ringgold	22	16	18	23	15	9	6	4	8	13	13	7	6	3
Sac	40	39	42	41	20	37	28	21	17	9	27	12	7	9
Scott	846	643	642	584	539	522	428	423	342	397	425	543	451	234
Shelby	5	19	15	28	19	9	14	18	11	10	4	11	19	13
Sioux	23	22	14	24	30	16	32	19	31	10	16	16	20	17
Story	94	119	118	85	120	178	154	134	63	86	70	29	59	25
Tama	96	88	40	46	34	52	52	66	51	52	27	24	22	39
Taylor	12	7	6	18	22	16	14	21	7	10	9	11	8	8
Union	46	81	60	65	47	65	51	45	31	44	60	51	35	14
Van Buren	24	12	29	6	16	17	8	13	4	8	11	19	22	21
Wapello	169	128	113	140	130	124	161	106	94	93	115	124	134	148
Warren	95	77	117	112	148	126	94	142	94	99	111	99	64	51
Washington	72	45	45	38	49	54	42	34	24	16	21	16	24	17
Wayne	22	32	24	33	9	6	18	1	3	8	7	7	9	5
Webster	168	103	108	148	154	195	154	131	102	109	130	161	129	135
Winnebago	54	50	46	27	14	17	27	21	25	9	15	15	14	16
Winneshiek	24	28	26	20	48	32	50	23	47	9	16	17	37	20
Woodbury	473	441	267	390	430	507	497	357	208	222	259	169	182	118
Worth	24	19	46	21	12	13	18	11	7	7	8	7	9	3
Wright	74	73	40	40	39	51	50	14	21	30	20	23	30	12
County Not Reported	5	13	5	4	8	13	3	17	8	16	14	5	12	12
State of Iowa	9967	9172	8834	7934	8154	8215	8095	7483	5918	6372	6281	6489	5399	3924

Figure 1. Abused children in Iowa, 1982-1995.



Public and Non-Public School Enrollment in Iowa's Counties: 1980-1995

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Margaret Hanson, Iowa State University
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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 1995, 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 1995, 496,386 students were enrolled in public schools in Iowa (Table 1). This was nearly 13,000 more than the 483,444 reported in 1985. Declines occurred annually from 1980 through 1988, but slight gains took place each year from 1988 to 1995. About 20,000 more public school students were counted in 1995 than at the low point in 1988 (Figure 1).

Fifty-three counties had more students in public schools in 1995 than 10 years earlier; six (Dallas, Johnson, Linn, Polk, Story, Woodbury) had at least 1,000 more. Declines in the other 46 counties ranged from less than 100 in 14 counties to more than 1,000 in Black Hawk.

Enrollment in Non-Public Schools

A total of 44,563 non-public school students were enrolled in Iowa in 1995 (Table 2). This was down 5,000 from the 49,558 reported in 1985. 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 1995 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 reported here.

Of the 65 counties with non-public school students in both 1985 and in 1995, 19 had increases among these students and 46 had decreases. Gains ranged from less than 50 in 12 counties to 100 or more in four (Buena Vista, Johnson, Scott, Sioux). Declines had a much greater range; 24 counties had decreases among non-public school students that were less than 50, but 14 dropped by more than 100. The greatest decrease occurred in Dubuque (-1,362); Polk reported a decline of 724.

Table 1. Public School Enrollment in Iowa Counties, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364
Adams	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900
Allamakee	2767	2832	2776	2774	2762	2744	2770	2744	2798	2809	2882	2891	2982	3085	3098	3383
Appanoose	2492	2460	2461	2524	2518	2502	2485	2542	2575	2532	2473	2542	2595	2636	2712	2798
Audubon	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499
Benton	4172	4117	4121	4362	4322	4325	4297	4191	4233	4278	4306	4330	4439	4534	4735	4923
Black Hawk	18445	18518	18449	18143	18625	18791	18710	18570	18819	18981	19539	20094	20722	21170	21248	21869
Boone	4212	4123	4136	4099	4043	3992	3934	3920	3874	3928	3948	3912	3956	3988	4129	4258
Bremer	5812	5815	5812	5774	5699	5594	5675	5639	5718	5853	6021	6129	6154	6273	6455	6697
Buchanan	3422	3431	3410	3446	3382	3424	3353	3305	3270	3180	3273	3357	3423	3517	3616	3704
Buena Vista	3897	3912	3898	3432	3445	3312	3130	3095	3039	3191	3076	3077	3061	3069	3140	3230
Butler	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291
Calhoun	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913
Carroll	3239	3255	3313	3295	3179	3069	2926	2863	2688	2648	2653	2674	2710	2799	2808	2952
Cass	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566
Cedar	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3848	3981
Cerro Gordo	7437	7408	7357	7321	7349	7320	7282	7344	7436	7301	7272	7294	7220	7212	7493	7721
Cherokee	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216
Chickasaw	2392	2355	2352	2346	2339	2367	2359	2388	2422	2477	2566	2613	2684	2771	2863	3061
Clarke	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694
Clay	3046	3057	3071	3458	3450	3419	3392	3366	3249	3245	3349	3349	3359	3339	3402	3513
Clayton	3743	3760	3740	3737	3769	3780	3785	3816	3789	3760	3876	3912	3950	4006	4067	4135
Clinton	9062	9186	9276	9365	9418	9325	9359	9374	9385	9626	9816	9950	10265	10635	10963	11262
Crawford	2660	2751	2928	2956	3210	3243	3279	3428	3498	3577	3640	3622	3636	3729	3752	3788
Dallas	7589	7250	7060	6887	6776	6627	6417	6350	6355	6258	6249	6134	6113	6147	6358	6456
Davis	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608
Decatur	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687
Delaware	3811	3737	3754	3679	3608	3581	3453	3464	3427	3400	3394	3434	3680	3599	3679	3790
Des Moines	7503	7615	7643	7645	7715	7762	7750	7765	7820	7813	7762	7789	7805	8031	8253	8607
Dickinson	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938
Dubuque	12481	12367	12380	12063	11893	11869	12019	12232	12814	13105	12408	12643	12941	13370	13855	14644
Emmet	2224	2248	2260	2247	2271	2278	2324	2332	2308	2300	2369	2655	2516	2557	2657	2677
Fayette	4453	4514	4470	4481	4440	4449	4396	4412	4435	4509	4724	4853	5164	5256	5334	5665
Floyd	3112	3185	3171	3224	3207	3174	3142	3211	3238	3253	3350	3510	3565	3719	3860	4004
Franklin	2046	1905	1862	1968	1941	1985	1856	1762	1733	1808	1806	1819	1887	1865	1896	1945
Fremont	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769
Greene	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329
Grundy	2752	2747	2727	2740	2261	2223	2267	2314	2341	2418	2488	2571	2622	2716	2825	2855
Guthrie	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885
Hamilton	3072	3095	3050	3074	3088	3099	3184	3056	3081	3055	3107	3176	3235	3318	3406	3539
Hancock	2070	2086	2320	2332	2397	2393	2352	2402	2390	2381	2404	2365	2424	2443	2537	2583
Hardin	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4532	4786
Harrison	3349	3327	3010	3063	3032	3016	2926	3049	3074	3041	3105	3208	3232	3309	3374	3476
Henry	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764
Howard	2246	2286	2191	2168	2143	2119	2063	2055	2045	2080	2103	2101	2223	2284	2336	2479
Humboldt	1934	1936	1940	1916	1948	1912	1899	1887	1927	1897	1967	1991	2027	2124	2234	2339
Ida	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513
Iowa	2716	3085	2991	2973	2913	2828	2635	2587	2604	2639	2698	2651	2719	2827	2953	3116
Jackson	3655	3680	3732	3725	3675	3621	3588	3655	3753	3730	3809	3998	4203	4205	4321	4455
Jasper	6365	6318	6492	6411	6439	6344	6338	6319	6452	6428	6463	6456	6598	6590	6897	7034

Table 2. Non-Public School Enrollment in Iowa Counties 1980-1995.

County	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
Adams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	188	191	175	194	197	187	183	199	192	207	219	214	217	215	190	185
Appanoose	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
Benton	130	128	128	132	123	161	152	143	139	102	131	144	149	156	151	164
Black Hawk	3363	3272	3674	3727	3731	3832	3715	3806	3809	3754	3725	3827	3858	3776	3726	3781
Boone	270	251	245	242	252	277	306	331	337	329	329	338	317	285	264	242
Bremer	240	244	252	247	263	375	376	393	399	391	301	322	336	405	395	397
Buchanan	273	292	267	245	267	252	260	311	315	340	375	390	422	446	448	430
Buena Vista	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
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	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
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
Cerro Gordo	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
Chickasaw	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
Clay	132	130	127	144	153	152	155	173	194	185	178	189	193	195	203	214
Clayton	157	147	154	155	162	160	164	167	173	168	158	179	183	184	193	207
Clinton	501	519	521	534	545	570	569	643	737	828	900	939	940	950	906	965
Crawford	316	354	335	326	310	354	351	352	376	363	361	403	445	417	422	433
Dallas	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
Decatur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware	311	323	338	337	341	322	333	312	298	303	285	280	255	260	277	279
Des Moines	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
Dubuque	5882	5969	6024	6172	6357	6148	6572	6747	6649	6895	7244	7506	7807	8046	8472	8762
Emmet	28	33	36	37	45	48	22	18	20	28	23	0	0	0	0	0
Fayette	304	304	289	297	292	306	335	352	339	340	325	344	330	331	335	342
Floyd	186	180	185	200	210	244	262	283	237	256	252	250	267	279	280	265
Franklin	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
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grundy	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
Hamilton	120	104	102	113	83	84	97	105	92	103	105	93	96	100	105	105
Hancock	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	14	15
Harrison	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
Howard	142	142	143	174	214	263	262	279	301	298	295	287	289	291	306	313
Humboldt	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
Iowa	215	216	197	199	196	222	218	228	191	219	224	236	247	238	243	240
Jackson	564	567	533	540	549	559	595	593	605	608	631	642	662	634	660	676
Jasper	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 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	314	366	651	415	418	0	575	493	353	293	218	262	246	104	0	0
Johnson	806	808	764	756	720	766	633	609	583	571	584	586	601	604	586	610
Jones	192	216	223	214	218	242	225	244	267	282	264	268	274	268	280	286
Keokuk	0	0	0	0	0	0	0	15	0	0	0	0	95	102	102	111
Kossuth	840	857	846	904	956	934	967	1065	1287	1130	1180	1218	1294	1328	1370	1425
Lee	978	989	986	966	966	1053	1079	1148	1143	1195	1234	1350	1383	1382	1413	1390
Linn	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
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	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
Mahaska	164	179	195	202	208	220	211	221	227	213	197	190	192	203	189	183
Marion	814	845	847	847	831	838	826	837	812	795	785	784	778	748	736	729
Marshall	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
Mitchell	172	176	171	177	190	195	201	199	232	247	243	240	252	250	240	255
Monona	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
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	219	198	216	197	230	223	223	252	270	263	256	272	269	261	279	268
O'Brien	437	460	485	487	508	548	573	596	593	560	547	516	547	559	550	565
Osceola	37	45	49	53	55	57	73	94	101	110	112	103	114	114	116	122
Page	94	97	81	89	87	87	91	95	99	109	93	107	111	100	94	76
Palo Alto	236	235	255	259	261	279	276	276	268	263	262	275	272	259	259	268
Plymouth	1019	1013	994	992	982	1001	1014	1004	1021	1051	1046	1058	1082	1096	1097	1139
Pocahontas	124	115	103	194	189	181	175	131	137	135	150	148	150	154	177	186
Polk	4922	4731	4614	4588	4946	5197	5091	5302	5278	5617	5646	5714	5689	5586	5480	5529
Pottawattamie	995	976	949	939	913	991	1023	1038	1081	1048	903	922	944	902	936	926
Poweshiek	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
Sac	0	0	0	0	0	0	54	61	61	55	55	68	78	79	63	67
Scott	2913	2869	2786	2736	2691	2880	2999	2712	2683	2674	2805	2728	2796	2901	2978	2908
Shelby	308	308	327	339	339	319	323	342	350	335	335	347	374	399	408	404
Sioux	2871	2905	2946	2853	2892	2809	2869	2840	2686	2663	2634	2608	2354	2380	2423	2459
Story	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
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	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
Wapello	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
Washington	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
Webster	1145	1200	1225	1184	1166	1238	1260	1478	1308	1318	1375	1385	1435	1436	1491	1508
Winnebago	20	19	22	19	17	16	13	13	11	14	12	12	12	9	10	11
Winneshiek	441	465	486	517	529	605	558	548	543	560	561	537	537	532	533	525
Woodbury	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
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
State of Iowa	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, 1980-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364
Adams	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900
Allamakee	2955	3023	2951	2968	2959	2931	2953	2943	2990	3016	3101	3105	3199	3300	3288	3568
Appanoose	2557	2528	2527	2581	2572	2591	2573	2623	2686	2642	2568	2648	2714	2749	2825	2906
Audubon	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499
Benton	4302	4245	4249	4494	4445	4486	4449	4334	4372	4380	4437	4474	4588	4690	4886	5087
Black Hawk	21808	21790	22123	21870	22356	22623	22425	22376	22628	22735	23264	23921	24580	24946	24974	25650
Boone	4482	4374	4381	4341	4295	4269	4240	4251	4211	4257	4277	4250	4273	4273	4393	4500
Bremer	6052	6059	6064	6021	5962	5969	6051	6032	6117	6244	6322	6451	6490	6678	6850	7094
Buchanan	3695	3723	3677	3691	3649	3676	3613	3616	3585	3520	3648	3747	3845	3963	4064	4134
Buena Vista	4345	4356	4338	3778	3772	3647	3425	3420	3392	3547	3424	3444	3426	3433	3498	3602
Butler	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291
Calhoun	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913
Carroll	4982	5033	5127	5102	5027	4931	4810	4740	4647	4637	4666	4749	4848	5025	5139	5393
Cass	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566
Cedar	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3859	3992
Cerro Gordo	8167	8177	8136	8144	8142	8093	8095	8077	8103	8123	8004	8051	7970	7970	8164	8395
Cherokee	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216
Chickasaw	2547	2514	2491	2502	2504	2533	2536	2578	2597	2664	2761	2819	2906	2991	3101	3301
Clarke	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694
Clay	3178	3187	3198	3602	3603	3571	3547	3539	3443	3430	3527	3538	3552	3534	3605	3727
Clayton	3900	3907	3894	3892	3931	3940	3949	3983	3962	3928	4034	4091	4133	4190	4260	4342
Clinton	9563	9705	9797	9899	9963	9895	9928	10017	10122	10454	10716	10889	11205	11585	11869	12227
Crawford	2976	3105	3263	3282	3520	3597	3630	3780	3874	3940	4001	4025	4081	4146	4174	4221
Dallas	7798	7440	7231	7056	6953	6904	6711	6656	6666	6476	6449	6370	6358	6383	6570	6674
Davis	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608
Decatur	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687
Delaware	4122	4060	4092	4016	3949	3903	3786	3776	3725	3703	3679	3714	3935	3859	3956	4069
Des Moines	7965	8074	8106	8060	8111	8165	8118	8229	8311	8324	8208	8240	8212	8474	8747	9089
Dickinson	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938
Dubuque	18363	18336	18404	18235	18250	18017	18591	18979	19463	20000	19652	20149	20748	21416	22327	23406
Emmet	2252	2281	2296	2284	2316	2326	2346	2350	2328	2328	2392	2655	2516	2557	2657	2677
Fayette	4757	4818	4759	4778	4732	4755	4731	4764	4774	4849	5049	5197	5494	5587	5669	6007
Floyd	3298	3365	3356	3424	3417	3418	3404	3494	3475	3509	3602	3760	3832	3998	4140	4269
Franklin	2096	1947	1909	2015	1985	2044	1908	1824	1792	1840	1840	1858	1923	1906	1923	1973
Fremont	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769
Greene	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329
Grundy	2811	2806	2769	2795	2322	2297	2341	2396	2419	2488	2560	2640	2692	2783	2883	2904
Guthrie	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885
Hamilton	3192	3199	3152	3187	3171	3183	3281	3161	3173	3158	3212	3269	3331	3418	3511	3644
Hancock	2127	2141	2377	2394	2467	2468	2426	2462	2446	2442	2466	2434	2494	2509	2609	2650
Hardin	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4546	4801
Harrison	3401	3376	3059	3117	3077	3072	2991	3114	3142	3119	3183	3281	3297	3373	3439	3535
Henry	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764
Howard	2388	2428	2334	2342	2357	2382	2325	2334	2346	2378	2398	2388	2512	2575	2642	2792
Humboldt	2149	2150	2144	2100	2129	2082	2031	2021	2074	2046	2114	2143	2169	2244	2355	2466
Ida	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513
Iowa	2931	3301	3188	3172	3109	3050	2853	2815	2795	2858	2922	2887	2966	3065	3196	3356
Jackson	4219	4247	4265	4265	4224	4180	4183	4248	4358	4338	4440	4640	4865	4839	4981	5131
Jasper	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, 1980-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2451	2396	2662	2429	2520	1977	2551	2513	2370	2329	2338	2508	2528	2453	2467	2596
Johnson	13501	12793	12675	12410	12108	11836	11586	11645	11136	10929	10882	10726	10784	10961	10967	11206
Jones	3715	3778	3746	3551	3429	3456	3529	3523	3582	3649	3734	3785	3820	3905	3982	4236
Keokuk	2488	2445	2440	2399	2437	2447	2436	2425	2429	2395	2451	2450	2497	2464	2582	2729
Kossuth	3552	3564	3573	3589	3635	3636	3616	3626	3774	3713	3898	3972	4101	4211	4356	4608
Lee	7440	7525	7551	7506	7499	7433	7366	7471	7678	7745	7766	7833	7990	8153	8228	8425
Linn	33884	33518	32894	32386	31698	31499	31397	31827	31884	32090	32616	33237	33852	34719	35555	36675
Louisa	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115
Lucas	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832
Lyon	2409	2447	2425	2407	2382	2389	2432	2446	2481	2460	2428	2392	2415	2503	2562	2590
Madison	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972
Mahaska	3469	3549	3516	3569	3494	3514	3484	3462	3450	3472	3459	3513	3496	3483	3424	3497
Marion	6496	6453	6289	6309	6299	6262	6158	6224	6125	6061	6105	6166	6162	6133	6261	6363
Marshall	6924	6848	6716	6773	7098	7191	7134	7139	7294	7286	7320	7507	7768	7891	8051	8344
Mills	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587
Mitchell	2055	2070	2052	2016	2009	2005	2008	2013	2068	2055	2023	2056	2083	2146	2227	2397
Monona	1888	1856	1901	1902	1930	1911	1893	1919	1922	1932	1967	2002	2020	2100	2186	2273
Monroe	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567
Montgomery	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309
Muscatine	7819	8032	7956	8062	8072	7912	7825	7701	7824	7848	7792	7780	7971	8036	8094	8205
O'Brien	3497	3473	3456	3456	3438	3474	3408	3429	3397	3359	3351	3290	3354	3407	3460	3559
Osceola	1083	1083	1044	1072	1039	1012	1008	1032	1060	1053	1061	1074	1107	1126	1134	1275
Page	3108	3173	3171	3187	3248	3288	3299	3227	3255	3239	3262	3303	3273	3288	3337	3389
Palo Alto	2280	2299	2355	2338	2337	2327	2311	2346	2374	2264	2300	2362	2422	2479	2585	2733
Plymouth	5601	5467	5425	5356	5304	5183	5095	5071	5068	4983	4940	4946	4947	5089	5154	5404
Pocahontas	1526	1496	1453	1864	1854	1979	1843	1767	1800	1818	1872	1950	1994	2068	2128	2231
Polk	63054	61765	60589	59876	58945	58924	57120	56776	56618	56689	56945	56776	56886	57420	58783	60414
Pottawattamie	17451	17076	17044	17004	17026	16922	16690	16676	16961	16962	16884	16976	17308	17453	17998	18525
Poweshiek	3276	3198	3162	3103	3124	3046	3040	3105	3168	3107	3110	3161	3203	3318	3432	3517
Ringgold	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141
Sac	2341	2394	2378	2402	2401	2478	2480	2440	2484	2426	2423	2449	2525	2597	2615	2721
Scott	31039	30986	32321	31244	31113	30721	30702	30346	30795	31060	31840	32730	33363	33684	34500	35244
Shelby	3078	3027	3031	2937	2825	2744	2672	2662	2678	2706	2786	2919	2995	3049	3186	3368
Sioux	7269	7279	7304	7134	6780	6827	6764	6708	6502	6393	6371	6292	6104	6121	6258	6424
Story	11247	11196	11093	11265	10673	10348	10170	10014	9944	9686	9727	9687	9766	9828	10075	10443
Tama	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988
Taylor	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597
Union	2324	2374	2468	2435	2515	2503	2582	2574	2609	2613	2588	2664	2679	2687	2723	2796
Van Buren	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686
Wapello	6648	6711	6756	6812	6787	6680	6679	6712	6938	7059	7223	7413	7451	7540	7693	7962
Warren	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467
Washington	3757	3872	3765	3734	3767	3754	3680	3707	3687	3725	3710	3742	3766	3837	3859	3988
Wayne	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414
Webster	7187	7257	7324	7236	7235	7368	7353	7642	7446	7601	7653	7744	7892	8043	8520	8866
Winnebago	3010	2985	2942	2911	2877	2917	2857	2779	2806	2785	2771	2756	2770	2760	2839	2986
Winneshiek	3304	3333	3356	3297	3254	3268	3163	3195	3141	3150	3134	3077	3109	3236	3304	3407
Woodbury	20794	20737	20542	20716	20881	20391	20404	20255	20358	20078	19832	19881	20044	19901	20223	20786
Worth	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429
Wright	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	
		539291		534912		529095		525102		528736		539341		555040		586260

Total School Enrollment

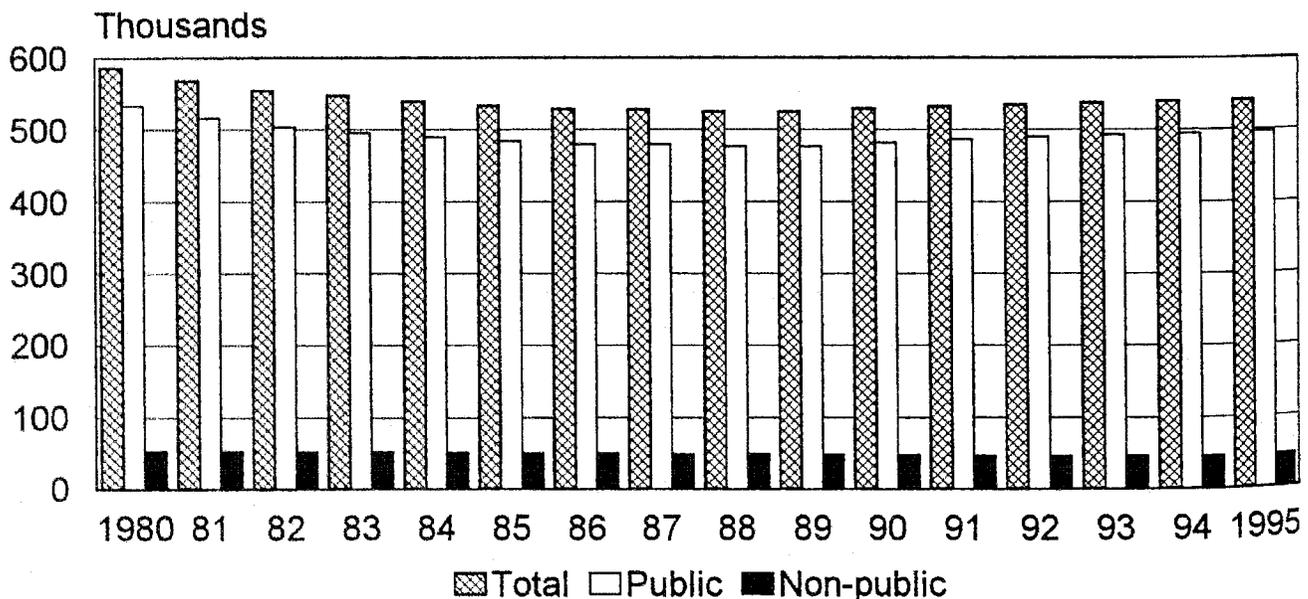
When the public and non-public figures are added, total enrollment was nearly 8,000 students higher in 1995 than in 1985 (Table 3). Increases in total student numbers occurred from 1989 to 1995 but decreases took place earlier in the 1980s.

In 1995, nine counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury) each had more than 10,000 students; together, they had 42.7 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 48 counties when 1985 and 1995 were compared. Five of these (Dallas, Johnson, Linn, Polk, Story) reported at least 1,000 more students at the end of the period than at the beginning. Declines among total students were common; 42 of the 51 counties with fewer students in 1995 than in 1985 dropped by at least 50. Four (Black Hawk, Clinton, 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, 1980-1995.



Public Secondary School Dropouts in Iowa's Counties: 1985-1995

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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 1995 dropouts are those who left school between 1 July 1994 and 30 June 1995.

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 4,985 for 1995 (Table 1). That is an increase of 340 since 1994. 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 1995; 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. Adair, Audubon, Hancock, Howard, Ida, Lyon, Mitchell, Osceola, Pocahontas, Ringgold, Taylor, and Worth had 10 or fewer dropouts in at least 10 of the last 11 years.

The state as a whole and all counties had years between 1985 and 1995 when the number of dropouts increased and other years when the number decreased. Thirty-nine counties had fewer dropouts in 1995 than in 1985. Of these 39 counties, 31 had decreases of fewer than 20 dropouts. Black Hawk, Des Moines, Linn, Polk, and Pottawattamie had at least 100 fewer dropouts in 1995 than in 1985. Fifty-six counties had more dropouts in 1995 than in 1985. Warren (+91) had the greatest increase.

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 1985 and 1991, although it increased from 1991 to 1995. There were about 16,500 fewer secondary school students in Iowa at the end of the period than at the beginning. Seventy-three of Iowa's 99 counties had fewer secondary enrollees in 1995 than in 1985. Declines were greater than 1,000 in four counties (Linn, Polk, Scott, Woodbury). Linn (-2,376) was the only county that decreased by at least 2,000. Twenty-six counties recorded increases in secondary enrollees between 1985 and 1995; only Buena Vista (+388) increased by more than 300 secondary students.

Percentage of Dropouts

In 1995, 2.2 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 1995. Twenty-three counties had fewer than 1 percent of their secondary students leave school in 1995, but four (Appanoose, Lucas, Muscatine, Warren) had percentages ranging from 4.0 to 5.0 and Lee was even higher at 6.4 percent.

More than three-fifths (62) of Iowa's counties had a higher percentage of students drop out in 1995 than in 1985 while 32 counties were lower and five 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, 1985-1995.¹

County	1995 ²		1994		1993		1992		1991		1990		1989		1988		1987		1986		1985	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Adair	7	618	3	584	12	586	2	530	3	519	4	489	0	487	0	519	4	529	6	561	2	574
Adams	3	346	3	333	2	315	12	302	9	300	12	361	3	356	3	367	3	365	4	350	1	364
Allamakee	7	1386	4	1339	18	1286	11	1268	25	1233	13	1313	26	1309	12	1344	17	1362	15	1459	11	1499
Appanoose	60	1198	37	1191	43	1160	42	1144	41	1089	45	1186	34	1188	31	1219	59	1221	24	1154	33	1193
Audubon	5	554	7	562	6	542	1	534	8	513	0	507	6	522	5	542	2	575	6	600	4	648
Benton	52	1793	35	1806	41	1868	26	1761	30	1770	33	1874	26	1832	33	1864	21	1960	28	2013	39	2159
Black Hawk	257	8450	318	8202	549	7813	546	7813	493	7668	488	7653	516	8075	422	8316	388	8446	374	8647	454	9268
Boone	47	1891	52	1844	43	1755	23	1677	21	1639	34	1729	45	1784	30	1825	43	1900	30	1915	38	2024
Bremer	21	2817	14	2713	20	2616	13	2568	17	2457	32	2615	21	2665	27	2716	29	2879	29	3011	31	3144
Buchanan	40	1550	35	1477	41	1496	24	1485	19	1454	21	1518	28	1462	28	1457	35	1488	22	1532	37	1605
Buena Vista	33	1864	29	1778	36	1543	34	1457	30	1423	30	1505	26	1421	24	1339	27	1375	18	1400	17	1476
Butler	7	1193	9	1203	6	1151	5	1188	13	1144	11	1146	11	1239	8	1683	9	1334	8	1354	10	1431
Calhoun	11	1226	7	1246	6	1219	3	1145	13	1064	10	1066	8	1066	8	1111	7	1130	5	1191	9	1289
Carroll	16	1490	20	1461	15	1350	10	1231	10	1130	10	1164	10	1165	15	1165	15	1177	14	1167	20	1260
Cass	28	1546	18	1466	22	1432	19	1391	26	1334	18	1367	27	1391	24	1444	21	1459	18	1475	18	1531
Cedar	19	1710	14	1676	19	1674	23	1636	22	1574	11	1575	10	1593	18	1576	14	1618	20	1659	27	1781
Cerro Gordo	94	3145	122	3066	66	3012	80	2956	96	2905	70	3160	93	3194	60	3231	223	3269	74	3520	101	3623
Cherokee	25	1268	25	1266	8	1248	17	1219	16	1206	19	1228	18	1196	19	1276	8	1267	8	1332	12	1362
Chickasaw	18	1146	14	1119	5	1110	15	1068	17	1075	9	1099	15	1136	13	1187	16	1244	17	1299	15	1369
Clarke	16	790	22	786	8	761	17	775	12	746	20	727	10	720	7	743	12	767	4	804	9	771
Clay	21	1494	32	1481	19	1653	25	1595	15	1495	17	1469	25	1459	19	1421	37	1429	19	1535	21	1574
Clayton	17	1813	19	1799	20	1738	16	1704	28	1680	11	1746	19	1732	16	1726	16	1744	19	1744	23	1828
Clinton	157	4059	103	4094	87	4064	133	4075	175	3914	92	4229	109	4227	77	4345	103	4576	89	4815	92	5037
Crawford	11	1353	17	1404	14	1407	42	1505	18	1491	21	1551	12	1559	16	1691	10	1715	10	1749	13	1781
Dallas	65	3097	57	3041	98	2929	69	2774	64	2697	40	2705	30	2736	67	2759	62	2874	75	2946	39	3018
Davis	26	676	11	656	13	637	9	651	13	606	15	670	9	667	11	694	11	694	12	702	14	728
Decatur	5	699	9	594	13	640	12	690	14	642	13	643	12	664	13	725	11	716	9	720	13	758
Delaware	41	1786	19	1734	13	1600	8	1536	21	1471	18	1484	26	1521	23	1543	35	1625	26	1740	28	1809
Des Moines	73	3401	60	3358	53	3199	48	3179	70	3113	68	3573	79	3469	55	3581	116	3917	178	3790	179	3994
Dickinson	7	1402	13	1323	13	1315	16	1246	12	1199	12	1277	10	1245	25	1184	15	1274	15	1306	14	1350
Dubuque	135	6221	145	6063	148	5842	116	5635	130	5546	140	6088	201	6262	150	6554	146	6781	145	6845	205	7119
Emmet	7	1141	13	1133	10	1087	11	1064	16	1018	18	1100	17	1110	24	1124	12	1145	18	1129	21	1189
Fayette	35	2222	26	2108	39	2124	25	2026	19	2003	27	2036	17	2072	32	2189	28	2257	15	2384	33	2497
Floyd	22	1524	20	1493	28	1521	32	1483	33	1443	33	1540	27	1630	33	1683	28	1611	20	1745	17	1867
Franklin	19	976	21	944	12	900	18	873	19	852	9	821	12	757	8	770	7	810	16	819	12	828
Fremont	22	807	15	812	12	802	10	802	10	721	14	752	12	769	16	780	23	768	11	805	12	820

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1985-1995 (continued).¹

County	1995 ²		1994		1993		1992		1991		1990		1989		1988		1987		1986		1985	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Greene	7	895	11	842	8	818	13	817	10	776	23	809	14	792	9	828	6	866	10	931	8	1009
Grundy	17	1322	12	1313	12	1303	8	1047	8	1008	4	1063	8	1090	7	1117	3	1160	8	1210	13	1296
Guthrie	18	1135	8	1098	7	1081	13	1083	16	1101	10	1087	8	1083	20	1122	14	1148	8	1242	8	1288
Hamilton	26	1425	25	1389	23	1406	25	1322	19	1305	20	1380	29	1405	15	1463	16	1498	25	1534	27	1580
Hancock	10	1016	7	1156	7	1102	4	1111	6	1087	7	1053	2	1082	5	1075	5	1072	5	1064	7	1098
Hardin	35	1799	31	1676	33	1685	24	1739	18	1657	18	1764	25	1786	14	1871	21	1905	15	1986	19	2105
Harrison	25	1624	20	1424	22	1380	27	1381	19	1350	24	1391	27	1400	26	1453	26	1525	32	1566	33	1625
Henry	44	1814	32	1760	28	1769	21	1680	27	1636	32	1661	34	1657	18	1670	24	1693	27	1735	32	1712
Howard	11	1147	9	1106	10	1061	3	991	4	970	10	968	7	884	4	922	9	979	6	1020	2	1072
Humboldt	17	932	7	908	11	866	8	841	7	858	6	839	11	847	11	859	9	891	9	959	18	1008
Ida	8	726	14	778	1	664	2	652	6	649	3	689	3	683	6	654	5	657	3	658	0	660
Iowa	9	1386	5	1277	6	1244	6	1196	3	1146	11	1125	11	1132	8	1193	6	1250	10	1288	12	1352
Jackson	52	1785	40	1789	28	1751	25	1722	26	1666	30	1721	38	1780	24	1749	27	1848	23	1930	32	1998
Jasper	30	2966	44	2973	56	2949	39	2875	57	2768	114	2948	83	2933	120	3099	99	3124	85	3130	78	3228
Jefferson	23	829	16	803	33	843	24	795	20	797	23	855	30	866	22	949	18	1001	22	1052	19	1100
Johnson	91	5024	60	4858	64	4705	46	4490	47	4239	177	4636	135	4610	130	4740	94	4869	123	4739	87	4792
Jones	52	1730	47	1727	34	1634	18	1461	22	1471	34	1609	14	1559	28	1606	28	1730	14	1788	14	1856
Keokuk	17	1143	19	1132	13	1073	15	1018	14	1010	6	1042	12	1084	10	1095	12	1095	14	1128	10	1185
Kossuth	6	1255	11	1240	13	1195	9	1131	8	1101	17	1123	11	1101	10	1109	16	1178	21	1211	13	1303
Lee	198	3080	122	3037	94	2912	81	2851	83	2696	88	2993	101	2845	77	2946	103	3044	105	3117	114	3182
Linn	205	13183	153	12837	135	12557	218	12098	149	11930	292	13815	433	14302	331	14150	414	14443	345	14943	308	15559
Louisa	53	1342	27	1314	13	1319	25	1213	24	1179	36	1268	39	1236	37	1298	27	1288	25	1308	32	1350
Lucas	33	777	16	782	15	754	10	701	12	675	18	714	26	726	25	775	19	761	24	798	32	817
Lyon	8	1165	8	1130	5	1031	4	1020	9	972	5	979	2	974	8	998	4	1026	1	1054	4	1071
Madison	16	1386	15	1377	8	1304	9	1217	21	1232	27	1302	14	1268	30	1326	25	1317	19	1325	25	1335
Mahaska	41	1453	81	1410	35	1388	28	1346	28	1370	24	1369	40	1376	39	1420	50	1482	28	1497	45	1542
Marion	54	2516	31	2424	34	2364	38	2347	32	2313	45	2346	32	2380	39	2431	44	2401	35	2467	48	2574
Marshall	41	2941	19	2852	22	2817	45	2795	70	2711	97	3087	109	3083	75	3181	66	3375	59	3474	55	3765
Mills	24	1225	28	1172	25	1160	25	1115	18	1165	20	1179	17	1175	17	1206	14	1193	26	1287	9	1237
Mitchell	7	898	5	873	10	858	9	843	10	816	14	840	3	903	8	917	1	917	8	915	10	927
Monona	20	847	15	847	19	834	14	832	16	835	14	851	12	848	13	872	13	874	13	921	21	930
Monroe	15	599	13	592	14	590	19	579	12	551	15	591	11	576	15	585	29	611	19	654	15	693
Montgomery	23	953	15	961	13	986	23	963	16	881	16	985	15	971	20	983	22	986	23	1003	13	1023
Muscatine	186	3701	158	3475	114	3446	87	3288	80	3144	86	3253	118	3386	97	3414	83	3413	110	3342	127	3508
O'Brien	14	1465	11	1347	21	1336	16	1295	16	1294	16	1343	20	1322	10	1346	14	1344	8	1357	7	1377
Osceola	4	460	1	444	7	433	2	408	7	391	9	441	3	433	8	457	3	469	2	455	1	498

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1985-1995 (continued).¹

County	1995 ²		1994		1993		1992		1991		1990		1989		1988		1987		1986		1985	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Page	33	1540	32	1508	33	1506	28	1482	41	1454	33	1530	37	1495	37	1485	30	1463	21	1475	26	1509
Palo Alto	11	1024	17	1031	11	1021	11	959	12	955	7	952	18	941	7	935	4	949	8	974	7	1035
Plymouth	27	2150	7	2077	14	1972	19	1887	24	1788	32	1816	36	1818	9	1800	16	1798	22	1847	17	1895
Pocahontas	1	634	6	638	6	748	10	729	9	812	13	758	4	779	7	839	2	838	3	869	3	930
Polk	644	24316	610	23772	579	23006	820	21952	994	21201	889	23436	952	23710	1064	23888	1082	24939	1124	25705	1125	26111
Pottawattamie	157	6988	142	6864	120	6633	113	6516	175	6225	255	6421	332	6620	376	6863	348	6877	376	7194	302	7172
Poweshiek	12	1449	30	1427	27	1369	28	1257	31	1252	21	1333	29	1394	34	1498	20	1502	15	1561	25	1580
Ringgold	6	469	5	441	13	449	10	457	3	413	3	432	8	446	2	459	3	471	3	490	6	484
Sac	19	1137	25	1114	19	1098	11	1080	8	1006	7	1025	16	1032	6	1024	12	1052	11	1086	10	1124
Scott	401	13218	453	12594	631	12300	527	12106	540	11811	523	12558	511	12545	526	12996	454	13429	435	13900	480	14538
Shelby	15	1326	16	1337	12	1224	3	1218	8	1083	17	1111	18	1236	19	1200	19	1245	0	1267	19	1380
Sioux	4	2000	10	1929	16	1830	16	1478	13	1614	15	1653	13	1675	14	1673	16	1669	12	1690	13	1774
Story	56	4964	57	4724	58	4617	43	4291	57	4126	48	4155	42	4228	52	4249	45	4263	53	4494	59	4676
Tama	27	1437	39	1432	31	1556	32	1506	21	1468	18	1473	16	1407	11	1624	36	1649	37	1658	35	1740
Taylor	17	585	4	561	2	538	5	503	4	527	6	540	4	623	2	651	1	655	4	689	7	749
Union	39	1101	29	1132	18	1062	20	1082	13	1073	23	1166	14	1166	15	1142	12	1183	8	1231	15	1247
Van Buren	22	698	8	662	16	644	12	621	9	599	13	639	9	624	6	643	10	657	10	716	13	723
Wapello	111	2912	77	3031	110	3011	124	2949	70	2854	62	2932	72	3134	119	3204	64	3301	76	3359	69	3438
Warren	140	3474	81	3400	34	3206	33	3190	45	2960	76	3122	72	3215	59	3309	49	3348	42	3445	49	3519
Washington	46	1593	41	1546	38	1498	41	1465	26	1472	25	1541	23	1549	37	1573	23	1566	33	1632	19	1724
Wayne	5	560	4	561	5	570	4	592	18	567	12	566	10	582	10	579	2	588	10	595	11	604
Webster	86	2642	83	2586	73	2548	72	2557	64	2394	71	2456	110	2573	125	2791	106	2869	133	3034	69	3208
Winnebago	34	1401	25	1276	30	1254	20	1237	14	1182	19	1237	16	1261	14	1225	10	1239	20	1247	9	1302
Winneshiek	9	1382	23	1367	22	1283	17	1209	9	1206	10	1200	8	1270	9	1267	10	1337	8	1366	13	1397
Woodbury	170	7840	297	7639	280	7472	252	7660	287	7203	219	8046	216	7941	203	8836	207	8710	155	8712	183	8880
Worth	5	535	10	529	9	531	6	515	7	495	12	495	5	525	10	556	5	585	3	616	5	645
Wright	19	1472	10	1252	10	1198	10	1201	10	1118	12	1210	14	1204	17	1231	6	1228	10	1296	18	1366
State of Iowa	4985	225443	4645	219708	4768	214157	4783	207948	5030	201742	5270	213888	5652	216251	5498	222112	5574	227144	5343	233453	5529	241973

¹This 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.

²This refers to the state's fiscal year; the label "1995" covers the period from 1 July 1994 through 30 June 1995, for example.

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1985-1995.

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Adair	1.1	0.5	2.0	0.4	0.6	0.8	0.0	0.0	0.8	1.1	0.3
Adams	0.9	0.9	0.6	4.0	3.0	3.3	0.8	0.8	0.8	1.1	0.3
Allamakee	0.5	0.3	1.4	0.9	2.0	1.0	2.0	0.9	1.2	1.0	0.7
Appanoose	5.0	3.1	3.7	3.7	3.8	3.8	2.9	2.5	4.8	2.1	2.8
Audubon	0.9	1.2	1.1	0.2	1.6	0.0	1.1	0.9	0.3	1.0	0.6
Benton	2.9	1.9	2.2	1.5	1.7	1.8	1.4	1.8	1.1	1.4	1.8
Black Hawk	3.0	3.9	7.0	7.0	6.4	6.4	6.4	5.1	4.6	4.3	4.9
Boone	2.5	2.8	2.5	1.4	1.3	2.0	2.5	1.6	2.3	1.6	1.9
Bremer	0.7	0.5	0.8	0.5	0.7	1.2	0.8	1.0	1.0	1.0	1.0
Buchanan	2.6	2.4	2.7	1.6	1.3	1.4	1.9	1.9	2.4	1.4	2.3
Buena Vista	1.8	1.6	2.3	2.3	2.1	2.0	1.8	1.8	2.0	1.3	1.2
Butler	0.6	0.7	0.5	0.4	1.1	1.0	0.9	0.5	0.7	0.6	0.7
Calhoun	0.9	0.6	0.5	0.3	1.2	0.9	0.8	0.7	0.6	0.4	0.7
Carroll	1.1	1.4	1.1	0.8	0.9	0.9	0.9	1.3	1.3	1.2	1.6
Cass	1.8	1.2	1.5	1.4	1.9	1.3	1.9	1.7	1.4	1.2	1.2
Cedar	1.1	0.8	1.1	1.4	1.4	0.7	0.6	1.1	0.9	1.2	1.5
Cerro Gordo	3.0	4.0	2.2	2.7	3.3	2.2	2.9	1.9	6.8	2.1	2.8
Cherokee	2.0	2.0	0.6	1.4	1.3	1.6	1.5	1.5	0.6	0.6	0.9
Chickasaw	1.6	1.3	0.5	1.4	1.6	0.8	1.3	1.1	1.3	1.3	1.1
Clarke	2.0	2.8	1.1	2.2	1.6	2.8	1.4	0.9	1.6	0.5	1.2
Clay	1.4	2.2	1.1	1.6	1.0	1.2	1.7	1.3	2.6	1.2	1.3
Clayton	0.9	1.1	1.2	0.9	1.7	0.6	1.1	0.9	0.9	1.1	1.3
Clinton	3.9	2.5	2.1	3.3	4.5	2.2	2.6	1.8	2.3	1.8	1.8
Crawford	0.8	1.2	1.0	2.8	1.2	1.4	0.8	0.9	0.6	0.6	0.7
Dallas	2.1	1.9	3.3	2.5	2.4	1.5	1.1	2.4	2.2	2.5	1.3
Davis	3.8	1.7	2.0	1.4	2.1	2.2	1.3	1.6	1.6	1.7	1.9
Decatur	0.7	1.5	2.0	1.7	2.2	2.0	1.8	1.8	1.5	1.3	1.7
Delaware	2.3	1.1	0.8	0.5	1.4	1.2	1.7	1.5	2.2	1.5	1.5
Des Moines	2.1	1.8	1.7	1.5	2.2	1.9	2.3	1.5	3.0	4.7	4.5
Dickinson	0.5	1.0	1.0	1.3	1.0	0.9	0.8	2.1	1.2	1.1	1.0
Dubuque	2.2	2.4	2.5	2.1	2.3	2.3	3.2	2.3	2.2	2.1	2.9
Emmet	0.6	1.1	0.9	1.0	1.6	1.6	1.5	2.1	1.0	1.6	1.8
Fayette	1.6	1.2	1.8	1.2	0.9	1.3	0.8	1.5	1.2	0.6	1.3
Floyd	1.4	1.3	1.8	2.2	2.3	2.1	1.7	2.0	1.7	1.1	0.9
Franklin	1.9	2.2	1.3	2.1	2.2	1.1	1.6	1.0	0.9	2.0	1.4
Fremont	2.7	1.8	1.5	1.2	1.4	1.9	1.6	2.1	3.0	1.4	1.5
Greene	0.8	1.3	1.0	1.6	1.3	2.8	1.8	1.1	0.7	1.1	0.8
Grundy	1.3	0.9	0.9	0.8	0.8	0.4	0.7	0.6	0.3	0.7	1.0
Guthrie	1.6	0.7	0.6	1.2	1.5	0.9	0.7	1.8	1.2	0.6	0.6
Hamilton	1.8	1.8	1.6	1.9	1.5	1.4	2.1	1.0	1.1	1.6	1.7
Hancock	1.0	0.6	0.6	0.4	0.6	0.7	0.2	0.5	0.5	0.5	0.6
Hardin	1.9	1.8	2.0	1.4	1.1	1.0	1.4	0.7	1.1	0.8	0.9
Harrison	1.5	1.4	1.6	2.0	1.4	1.7	1.9	1.8	1.7	2.0	2.0
Henry	2.4	1.8	1.6	1.2	1.7	1.9	2.1	1.1	1.4	1.6	1.9
Howard	1.0	0.8	0.9	0.3	0.4	1.0	0.8	0.4	0.9	0.6	0.2
Humboldt	1.8	0.8	1.3	1.0	0.8	0.7	1.3	1.3	1.0	0.9	1.8
Ida	1.1	1.8	0.2	0.3	0.9	0.4	0.4	0.9	0.8	0.5	0.0
Iowa	0.6	0.4	0.5	0.5	0.3	1.0	1.0	0.7	0.5	0.8	0.9
Jackson	2.9	2.2	1.6	1.4	1.6	1.7	2.1	1.4	1.5	1.2	1.6
Jasper	1.0	1.5	1.9	1.4	2.1	3.9	2.8	3.9	3.2	2.7	2.4

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1985-1995 (continued).

County	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Jefferson	2.8	2.0	3.9	3.0	2.5	2.7	3.5	2.3	1.8	2.1	1.7
Johnson	1.8	1.2	1.4	1.0	1.1	3.8	2.9	2.7	1.9	2.6	1.8
Jones	3.0	2.7	2.1	1.2	1.5	2.1	0.9	1.7	1.6	0.8	0.8
Keokuk	1.5	1.7	1.2	1.5	1.4	0.6	1.1	0.9	1.1	1.2	0.8
Kossuth	0.5	0.9	1.1	0.8	0.7	1.5	1.0	0.9	1.4	1.7	1.0
Lee	6.4	4.0	3.2	2.8	3.1	2.9	3.6	2.6	3.4	3.4	3.6
Linn	1.6	1.2	1.1	1.8	1.2	2.1	3.0	2.3	2.9	2.3	2.0
Louisa	3.9	2.1	1.0	2.1	2.0	2.8	3.2	2.9	2.1	1.9	2.4
Lucas	4.2	2.0	2.0	1.4	1.8	2.5	3.6	3.2	2.5	3.0	3.9
Lyon	0.7	0.7	0.5	0.4	0.9	0.5	0.2	0.8	0.4	0.1	0.4
Madison	1.2	1.1	0.6	0.7	1.7	2.1	1.1	2.3	1.9	1.4	1.9
Mahaska	2.8	5.7	2.5	2.1	2.0	1.8	2.9	2.7	3.4	1.9	2.9
Marion	2.1	1.3	1.4	1.6	1.4	1.9	1.3	1.6	1.8	1.4	1.9
Marshall	1.4	0.7	0.8	1.6	2.6	3.1	3.5	2.4	2.0	1.7	1.5
Mills	2.0	2.4	2.2	2.2	1.5	1.7	1.4	1.4	1.2	2.0	0.7
Mitchell	0.8	0.6	1.2	1.1	1.2	1.7	0.3	0.9	0.1	0.9	1.1
Monona	2.4	1.8	2.3	1.7	1.9	1.6	1.4	1.5	1.5	1.4	2.3
Monroe	2.5	2.2	2.4	3.3	2.2	2.5	1.9	2.6	4.7	2.9	2.2
Montgomery	2.4	1.6	1.3	2.4	1.8	1.6	1.5	2.0	2.2	2.3	1.3
Muscatine	5.0	4.5	3.3	2.6	2.5	2.6	3.5	2.8	2.4	3.3	3.6
O'Brien	1.0	0.8	1.6	1.2	1.2	1.2	1.5	0.7	1.0	0.6	0.5
Osceola	0.9	0.2	1.6	0.5	1.8	2.0	0.7	1.8	0.6	0.4	0.2
Page	2.1	2.1	2.2	1.9	2.8	2.2	2.5	2.5	2.1	1.4	1.7
Palo Alto	1.1	1.6	1.1	1.2	1.3	0.7	1.9	0.7	0.4	0.8	0.7
Plymouth	1.3	0.3	0.7	1.0	1.3	1.8	2.0	0.5	0.9	1.2	0.9
Pocahontas	0.2	0.9	0.8	1.4	1.1	1.7	0.5	0.8	0.2	0.3	0.3
Polk	2.6	2.6	2.5	3.7	4.7	3.8	4.0	4.5	4.3	4.4	4.3
Pottawattamie	2.2	2.1	1.8	1.7	2.8	4.0	5.0	5.5	5.1	5.2	4.2
Poweshiek	0.8	2.1	2.0	2.2	2.5	1.6	2.1	2.3	1.3	1.0	1.6
Ringgold	1.3	1.1	2.9	2.2	0.7	0.7	1.8	0.4	0.6	0.6	1.2
Sac	1.7	2.2	1.7	1.0	0.8	0.7	1.6	0.6	1.1	1.0	0.9
Scott	3.0	3.6	5.1	4.4	4.6	4.2	4.1	4.0	3.4	3.1	3.3
Shelby	1.1	1.2	1.0	0.2	0.7	1.5	1.5	1.6	1.5	0.0	1.4
Sioux	0.2	0.5	0.9	1.1	0.8	0.9	0.8	0.8	1.0	0.7	0.7
Story	1.1	1.2	1.3	1.0	1.4	1.2	1.0	1.2	1.1	1.2	1.3
Tama	1.9	2.7	2.0	2.1	1.4	1.2	1.1	0.7	2.2	2.2	2.0
Taylor	2.9	0.7	0.4	1.0	0.8	1.1	0.6	0.3	0.2	0.6	0.9
Union	3.5	2.6	1.7	1.8	1.2	2.0	1.2	1.3	1.0	0.6	1.2
Van Buren	3.2	1.2	2.5	1.9	1.5	2.0	1.4	0.9	1.5	1.4	1.8
Wapello	3.8	2.5	3.7	4.2	2.5	2.1	2.3	3.7	1.9	2.3	2.0
Warren	4.0	2.4	1.1	1.0	1.5	2.4	2.2	1.8	1.5	1.2	1.4
Washington	2.9	2.7	2.5	2.8	1.8	1.6	1.5	2.4	1.5	2.0	1.1
Wayne	0.9	0.7	0.9	0.7	3.2	2.1	1.7	1.7	0.3	1.7	1.8
Webster	3.3	3.2	2.9	2.8	2.7	2.9	4.3	4.5	3.7	4.4	2.2
Winnebago	2.4	2.0	2.4	1.6	1.2	1.5	1.3	1.1	0.8	1.6	0.7
Winneshiek	0.7	1.7	1.7	1.4	0.7	0.8	0.6	0.7	0.7	0.6	0.9
Woodbury	2.2	3.9	3.7	3.3	4.0	2.7	2.7	2.3	2.4	1.8	2.1
Worth	0.9	1.9	1.7	1.2	1.4	2.4	1.0	1.8	0.9	0.5	0.8
Wright	1.3	0.8	0.8	0.8	0.9	1.0	1.2	1.4	0.5	0.8	1.3
State of Iowa	2.2	2.1	2.2	2.3	2.5	2.5	2.6	2.5	2.5	2.3	2.3

Figure 1. Dropouts from public secondary schools in Iowa, 1980-1995.

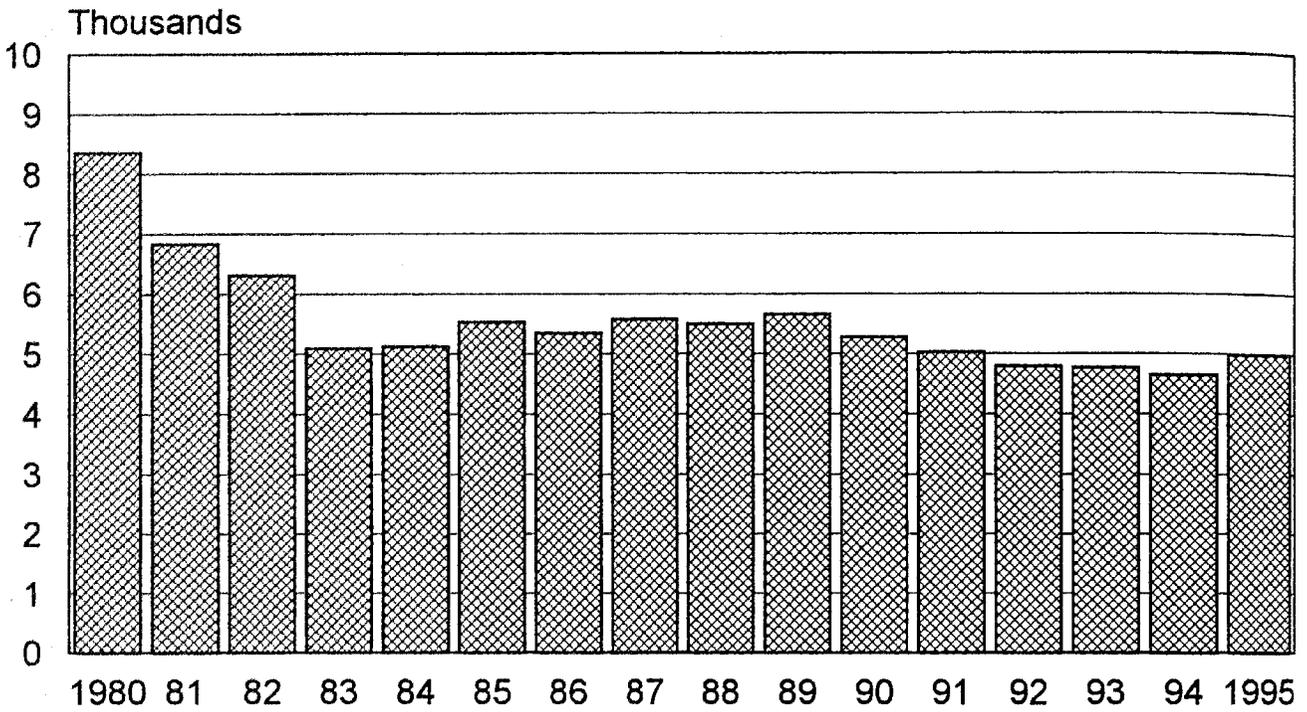
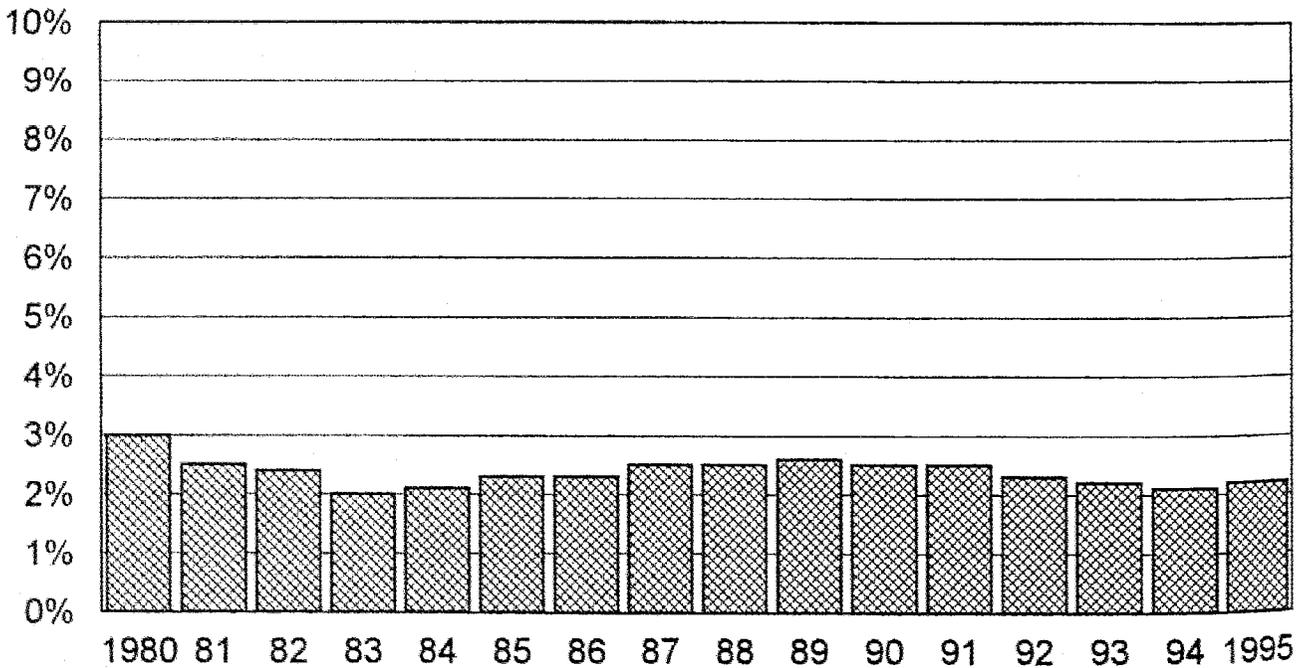


Figure 2. Dropouts as percent of public secondary school enrollees in Iowa, 1980-1995.



Students Receiving Free or Reduced-Price School Meals

in Iowa's Counties: 1985-1996

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Bradley Albers, Iowa Department of Education
Raymond Senior, Iowa Department of Education

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 1985-1986 through 1995-1996. 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

Although enrollment in Iowa's schools increased somewhat from 1988-1989 through 1995-1996, it had decreased each of the previous years in the period examined (Table 3). The average number of students receiving free meals increased from 1989-1990 through 1995-1996 (Table 1). In both the 1985-1986 and 1986-1987 school years more than 100,000 students in Iowa received free meals at school. By 1989-1990, however, that number had been reduced significantly to 89,000, the lowest number of the period, only to increase to more than 107,000 again in 1995-1996, the highest figure across the years examined.

During the 1995-1996 school year, Black Hawk, Linn, Polk, and Scott averaged at least 5,000 students receiving free meals each month. Seventeen 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 1995-1996 school year was nearly 2,300 higher than 10 years earlier in 1985-1986. Thirty-seven counties also had more students in the program in 1995-1996 than in 1985-1986. Buena Vista, Muscatine, Polk, Pottawattamie, Scott, and Woodbury had increases greater than 400, with Polk's gain of 2,975 substantially higher than all others; another 10 increased by at least 100. Of the 62 counties with fewer students in the program in 1995-1996 than 10 years earlier, 33 dropped by at least 100; Dubuque was the only county with a decline greater than 300, however.

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa Counties, 1985-1996.

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Adair	317	311	326	312	289	304	238	212	253	334	329
Adams	197	193	187	173	156	161	162	175	149	203	198
Allamakee	607	598	553	572	515	481	491	505	580	642	653
Appanoose	880	855	835	829	842	844	811	819	940	911	958
Audubon	216	221	227	212	248	232	194	200	239	278	280
Benton	705	734	742	806	828	843	822	747	767	903	844
Black Hawk	5683	5694	5244	5081	5016	4835	4828	4931	5291	6494	5906
Boone	591	606	590	599	566	511	510	526	546	630	672
Bremer	791	789	727	747	691	645	603	675	854	1103	979
Buchanan	692	733	762	762	792	724	694	733	779	926	918
Buena Vista	1090	1168	987	833	783	743	704	674	686	730	660
Butler	395	502	511	486	499	455	484	444	515	651	626
Calhoun	529	523	516	519	495	451	363	420	466	556	572
Carroll	826	738	497	613	754	654	743	711	718	863	839
Cass	690	734	709	678	699	617	648	656	682	714	711
Cedar	525	471	476	478	441	368	392	411	434	446	445
Cerro Gordo	1492	1496	1434	1427	1341	1321	1267	1289	1338	1418	1466
Cherokee	483	520	540	519	496	465	462	506	539	588	593
Chickasaw	383	416	468	413	433	403	408	433	474	555	585
Clarke	526	517	515	528	451	390	383	439	502	481	520
Clay	522	560	567	518	623	592	578	611	689	672	680
Clayton	815	820	689	593	668	667	553	674	736	924	955
Clinton	1740	1752	1714	1649	1541	1484	1483	1549	1612	1744	1862
Crawford	755	749	748	681	728	744	799	723	779	830	810
Dallas	1137	1002	953	1098	948	835	790	757	843	900	953
Davis	308	340	358	376	357	330	310	306	383	422	440
Decatur	518	531	565	562	525	484	470	464	465	501	486
Delaware	708	689	703	694	642	619	631	679	659	821	829
Des Moines	1654	1572	1520	1462	1559	1535	1448	1499	1472	1405	1505
Dickinson	408	443	431	391	421	430	457	505	528	565	592
Dubuque	3116	3008	3007	2899	2835	2731	2813	2894	3157	3933	3663
Emmet	706	749	651	561	589	534	571	632	623	684	662
Fayette	945	1032	1039	972	970	953	943	954	1076	1219	1217
Floyd	894	904	940	888	893	888	852	918	993	1022	1074
Franklin	412	367	347	356	376	327	350	340	337	400	410
Fremont	347	396	369	425	375	335	333	279	374	409	445
Greene	463	471	426	409	425	391	342	383	352	418	457
Grundy	373	367	394	396	305	276	244	229	277	345	286
Guthrie	500	519	487	505	503	464	428	480	587	677	660
Hamilton	576	580	566	596	551	534	492	508	558	557	593
Hancock	388	427	447	441	470	407	357	347	410	447	441
Hardin	1087	1035	1046	1050	1106	1007	1062	960	1004	1078	1138
Harrison	781	806	664	728	744	687	652	665	706	747	795
Henry	621	558	641	641	639	571	532	492	522	564	593
Howard	458	496	520	473	479	431	443	515	532	592	624
Humboldt	312	297	323	303	305	289	305	311	369	411	491
Ida	310	309	301	334	257	243	234	245	294	327	316
Iowa	349	401	411	375	334	347	306	308	349	373	398
Jackson	761	860	821	783	797	756	784	817	885	1061	1052
Jasper	919	968	904	832	841	747	753	720	791	864	937

*The number of months used varies from two to five; months change across some years because of availability.

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa Counties, 1985-1996
(continued).

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Jefferson	351	320	291	326	302	283	263	257	281	342	327
Johnson	1582	1475	1376	1379	1292	1243	1208	1198	1241	1201	1233
Jones	710	682	669	620	594	580	583	602	603	759	696
Keokuk	515	479	529	537	514	500	475	421	490	507	564
Kossuth	722	779	789	729	705	613	590	598	713	836	823
Lee	1615	1715	1728	1397	1363	1238	1209	1266	1334	1389	1497
Linn	5625	5752	5712	5627	5446	5096	4659	4669	4874	5090	5486
Louisa	755	615	646	606	514	514	482	416	445	482	558
Lucas	444	420	408	376	334	293	281	297	326	374	388
Lyon	420	352	372	392	366	319	367	414	479	557	547
Madison	427	439	484	476	472	410	445	437	448	567	616
Mahaska	798	791	885	831	814	792	788	826	901	939	975
Marion	946	939	863	863	820	741	654	753	791	840	921
Marshall	1639	1569	1563	1435	1380	1297	1155	1128	1174	1573	1248
Mills	555	540	557	532	511	425	444	440	444	505	498
Mitchell	341	322	339	339	340	324	313	353	423	462	362
Monona	454	430	484	509	534	573	539	576	585	591	639
Monroe	383	391	367	365	364	358	321	349	389	425	425
Montgomery	436	404	369	401	388	338	345	331	365	395	402
Muscatine	1818	1854	1837	1918	1836	1766	1587	1514	1492	1455	1322
O'Brien	619	626	570	543	522	469	453	501	564	623	600
Osceola	148	169	168	162	172	145	163	155	173	217	230
Page	745	769	801	750	615	584	604	565	653	724	680
Palo Alto	503	506	595	600	565	579	532	557	625	669	679
Plymouth	688	678	620	643	680	606	750	803	830	885	987
Pocahontas	370	294	308	421	392	383	307	314	355	418	435
Polk	12719	12053	11088	10857	10257	9244	8691	8746	9288	9548	9744
Pottawattamie	4545	4493	4227	3944	3747	3399	3112	3091	3206	3121	3267
Poweshiek	455	482	470	502	445	423	365	371	399	420	488
Ringgold	383	371	344	324	358	302	315	317	312	323	338
Sac	586	612	595	551	572	517	524	546	572	617	630
Scott	7184	6845	6749	6533	6415	5859	5884	5607	5754	5729	5795
Shelby	689	675	653	644	555	493	441	435	489	517	448
Sioux	1196	1085	1023	1073	1008	989	989	1050	1246	1451	1431
Story	1443	1438	1333	1313	1302	1251	1213	1220	1287	1315	1273
Tama	719	856	847	976	879	785	720	757	820	926	949
Taylor	378	394	388	392	381	384	371	394	445	482	559
Union	646	624	606	609	554	542	541	550	555	611	606
Van Buren	394	392	404	372	354	342	337	333	335	364	406
Wapello	1954	1977	1894	1874	1944	1967	2034	2050	2166	2346	2234
Warren	821	864	817	798	744	645	604	628	868	725	771
Washington	630	587	536	505	545	536	533	518	562	611	597
Wayne	405	448	424	419	365	330	343	356	359	382	406
Webster	1516	1633	1790	1634	1514	1533	1481	1516	1592	1588	1789
Winnebago	458	420	395	403	361	404	356	347	378	456	485
Winneshiek	492	498	542	504	490	482	491	529	534	599	642
Woodbury	4729	4579	4420	4496	4430	4211	3994	4070	4111	4320	4189
Worth	245	252	206	232	198	191	193	181	195	241	261
Wright	612	594	514	486	424	439	410	390	471	490	502
State of Iowa	107308	106313	102994	100798	97820	91826	88983	90009	96058	104328	105037

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa Counties, 1985-1996.

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Adair	139	122	128	121	110	73	92	106	111	79	100
Adams	60	78	62	59	61	52	48	65	59	68	65
Allamakee	256	279	275	252	269	256	225	205	188	175	203
Appanoose	190	172	200	195	191	176	182	171	139	146	148
Audubon	111	87	100	78	91	84	61	64	61	63	65
Benton	283	257	260	291	292	293	213	263	326	276	252
Black Hawk	1074	1061	1218	1177	1142	1152	985	1004	1068	1216	1095
Boone	249	205	223	226	224	222	233	206	198	221	209
Bremer	324	305	316	308	287	305	294	278	254	289	230
Buchanan	203	243	201	201	216	196	218	177	192	207	206
Buena Vista	489	417	408	315	290	271	229	215	287	281	262
Butler	198	195	220	243	220	248	151	178	167	180	178
Calhoun	236	239	263	260	207	167	196	147	165	163	149
Carroll	401	401	267	327	416	355	335	348	332	349	298
Cass	237	252	243	269	203	271	222	250	243	267	266
Cedar	174	189	160	195	188	179	178	179	177	160	138
Cerro Gordo	579	579	527	488	457	437	433	476	486	499	402
Cherokee	216	220	224	233	192	185	184	192	189	192	223
Chickasaw	254	209	186	189	168	197	202	169	186	198	149
Clarke	136	163	164	135	113	108	88	96	75	132	82
Clay	216	237	257	268	316	292	284	230	223	265	273
Clayton	361	309	259	263	276	313	240	251	231	258	276
Clinton	377	369	403	418	331	367	342	291	287	326	315
Crawford	247	288	341	322	347	299	277	280	279	310	302
Dallas	407	395	412	440	387	380	287	279	325	353	346
Davis	101	128	134	103	102	97	97	92	88	90	80
Decatur	163	153	148	134	127	118	105	109	115	105	87
Delaware	217	191	200	189	191	170	154	149	123	127	142
Des Moines	374	324	348	317	339	335	317	332	377	334	290
Dickinson	206	183	196	194	204	154	164	145	129	133	125
Dubuque	1224	1243	1184	1224	1101	1058	958	936	996	970	1026
Emmet	195	215	204	206	244	216	201	192	227	203	229
Fayette	430	383	361	361	321	275	250	254	252	296	288
Floyd	253	261	237	245	230	226	240	229	264	272	257
Franklin	177	162	186	218	169	194	155	149	169	126	96
Fremont	184	173	143	170	142	136	108	95	117	114	111
Greene	210	205	197	196	195	163	173	205	189	182	161
Grundy	204	235	178	204	125	122	119	129	135	140	108
Guthrie	183	170	199	220	191	158	151	169	158	158	213
Hamilton	256	277	261	243	237	221	189	174	203	214	206
Hancock	211	172	213	191	194	236	186	193	200	186	170
Hardin	312	292	282	282	243	268	233	274	253	268	259
Harrison	317	299	240	277	261	242	241	245	231	250	230
Henry	243	188	213	230	223	173	167	182	173	200	228
Howard	264	325	275	271	263	218	166	161	161	174	148
Humboldt	158	196	184	178	188	170	151	169	185	195	164
Ida	147	174	178	150	152	163	140	150	148	164	113
Iowa	181	202	182	206	221	220	165	167	163	184	184
Jackson	327	261	298	268	275	223	205	191	170	181	208
Jasper	283	299	322	313	251	261	218	195	192	232	243

*The number of months used varies from two to five; months change across some years because of availability.

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa Counties, 1985-1996 (continued).

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Jefferson	76	63	86	96	80	55	68	74	57	57	85
Johnson	452	378	388	395	370	399	382	346	322	354	345
Jones	233	274	258	219	254	244	207	162	192	152	185
Keokuk	146	161	130	150	162	152	143	120	110	109	85
Kossuth	409	392	317	350	248	242	251	286	290	264	270
Lee	374	324	316	295	280	270	261	285	315	315	309
Linn	1705	1757	1753	1556	1512	1476	1250	1246	1297	1400	1520
Louisa	182	177	144	123	121	111	115	138	104	136	99
Lucas	102	89	86	96	85	104	97	105	95	110	97
Lyon	154	184	182	168	170	145	213	223	208	175	170
Madison	194	186	189	200	207	247	200	228	254	204	195
Mahaska	222	275	245	222	222	241	235	219	180	245	252
Marion	285	336	293	332	378	349	328	261	266	258	296
Marshall	450	392	380	439	422	355	332	320	349	428	342
Mills	183	189	177	162	154	188	117	67	118	100	146
Mitchell	139	183	178	183	149	166	174	156	206	179	118
Monona	133	166	170	149	142	138	132	112	120	153	153
Monroe	85	91	113	126	89	92	97	100	84	62	96
Montgomery	101	91	110	95	103	91	110	126	125	121	130
Muscatine	492	438	489	533	402	417	347	384	384	371	332
O'Brien	287	305	308	261	277	310	246	242	209	249	261
Osceola	104	113	111	123	90	100	94	83	85	102	81
Page	162	209	213	207	190	210	208	204	192	201	210
Palo Alto	198	238	200	188	197	193	169	168	161	194	171
Plymouth	361	348	352	357	339	273	341	317	342	299	373
Pocahontas	108	154	166	178	165	159	174	149	156	129	112
Polk	3344	3036	2807	2776	2675	2638	2393	2538	2359	2418	2313
Pottawattamie	1151	1142	1086	989	866	822	832	811	848	912	854
Poweshiek	166	160	140	150	141	132	145	100	94	138	121
Ringgold	68	75	96	99	97	94	71	80	72	77	53
Sac	260	244	255	236	261	202	234	232	266	309	232
Scott	1233	1129	1075	1099	1007	996	918	923	842	897	874
Shelby	310	306	295	266	228	181	180	160	155	137	164
Sioux	808	776	761	745	747	683	663	633	601	577	548
Story	476	436	452	448	477	499	405	437	440	461	420
Tama	270	246	321	331	293	298	320	261	258	249	261
Taylor	138	124	109	104	114	96	100	118	105	119	97
Union	270	194	207	234	218	167	177	159	186	178	179
Van Buren	126	120	100	110	98	107	92	80	96	121	77
Wapello	504	430	485	462	438	417	334	388	363	385	410
Warren	339	349	324	285	279	249	292	264	259	224	240
Washington	198	249	281	213	225	186	140	170	156	184	165
Wayne	159	121	110	105	88	111	70	64	85	74	60
Webster	521	554	512	494	494	456	491	497	476	474	484
Winnebago	232	195	193	221	209	168	151	131	121	143	134
Winneshiek	223	235	229	234	218	231	197	201	197	184	152
Woodbury	1334	1173	1090	1178	1184	1096	894	887	929	846	875
Worth	98	129	115	92	118	109	94	97	96	111	98
Wright	241	247	207	185	210	190	208	199	171	222	197
State of Iowa	34037	33166	32484	32125	30677	29551	27140	26953	27063	27963	27015

Table 3. Average Number Enrolled in Schools in Selected Months* in Iowa Counties, 1985-1996.

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Adair	1293	1285	1232	1221	1188	1172	1130	1115	1179	1173	1176
Adams	734	744	720	720	704	709	741	766	789	782	766
Allamakee	2926	2938	2899	2926	2929	2905	2903	2920	2965	2971	3071
Appanoose	2619	2497	2609	2635	2645	2603	2607	2613	2693	2678	2627
Audubon	1170	1171	1180	1067	1181	1161	1179	1192	1234	1267	1306
Benton	4355	4315	4270	4570	4534	4500	4492	4351	4314	4400	4392
Black Hawk	21255	21319	21534	20615	21025	21120	20642	20769	20708	21383	21541
Boone	4214	4133	4077	4020	4034	3922	3905	3838	3830	3877	3760
Bremer	5763	5671	5537	5497	5382	5326	5340	5295	5154	5387	5611
Buchanan	3606	3671	3656	3675	3629	3633	3437	3408	3291	3265	3333
Buena Vista	4355	4329	4179	3765	3619	3516	3360	3362	3322	3287	3226
Butler	2478	2733	2674	2664	2669	2636	2635	2735	2728	2716	2765
Calhoun	2644	2690	2749	2634	2571	2431	2382	2349	2403	2435	2444
Carroll	4996	4871	3422	4159	4734	4193	4741	4288	4124	4332	4283
Cass	3022	3055	3017	3103	3083	3174	3173	3169	3198	3167	3230
Cedar	3674	3413	3515	3593	3603	3519	3499	3533	3438	3380	3379
Cerro Gordo	8083	8124	7799	7293	7404	7400	7591	7494	7569	7841	7842
Cherokee	2798	2894	2934	2950	2790	2738	2805	2772	2788	2743	2727
Chickasaw	2525	2494	2465	2470	2468	2472	2498	2550	2537	2586	2742
Clarke	1827	1781	1742	1760	1781	1682	1630	1652	2609	1667	1634
Clay	3110	3104	3178	2777	3577	3434	3392	3314	3193	3196	3258
Clayton	3942	3915	3419	3329	3628	3904	3398	3662	3454	3896	4026
Clinton	9199	9333	9243	9426	9364	9188	9234	9098	9374	9314	9148
Crawford	2925	3005	3238	3225	3511	3521	3631	3712	3814	3895	3926
Dallas	7806	7015	7011	6808	6576	6323	6037	6043	5880	5936	5771
Davis	1323	1207	1381	1409	1411	1437	1412	1415	1418	1457	1467
Decatur	1439	1461	1482	1484	1489	1474	1457	1471	1507	1535	1527
Delaware	4110	4034	4057	3924	3829	3756	3643	3604	3452	3574	3563
Des Moines	7664	7497	7793	7709	7796	7729	7647	7693	7765	7765	7622
Dickinson	2818	2833	2763	2785	2665	2712	2690	2643	2586	2624	2641
Dubuque	18628	18246	18205	18129	18188	17523	17622	17787	17991	18282	18672
Emmet	2353	2439	2332	2177	2318	2292	2321	2326	2301	2318	2316
Fayette	4595	4687	4653	4668	4588	4734	4652	4624	4607	4671	4826
Floyd	3368	3320	3332	3359	3380	3348	3338	3345	3472	3539	3429
Franklin	2058	1822	1834	1849	1837	1817	1746	1693	1660	1691	1670
Fremont	1653	1694	1501	1681	1687	1688	1664	1377	1697	1721	1720
Greene	1883	1882	1800	1840	1826	1750	1731	1758	1752	1787	1845
Grundy	2792	2777	2751	2740	2282	2264	2636	2419	2354	2369	2328
Guthrie	2344	2342	2217	2430	2458	2414	2399	2415	2535	2563	2568
Hamilton	3195	3126	3111	3131	3099	3032	3042	3084	2992	3014	3069
Hancock	2111	2150	2364	2364	2440	2375	2335	2330	2401	2378	2371
Hardin	3970	3748	3841	3844	4152	4093	4109	4077	4042	4189	4161
Harrison	3361	3360	2726	3058	3037	2984	2978	2983	3055	3079	3077
Henry	3796	3167	3886	3850	3802	3722	3598	3572	3605	3627	3620
Howard	2319	2408	2334	2352	2333	2312	2276	2277	2305	2351	2356
Humboldt	1984	1974	1997	1998	1958	1960	1969	1955	1978	1994	2040
Ida	1524	1575	1598	1584	1567	1521	1429	1444	1401	1381	1335
Iowa	3026	3231	3087	3031	3138	2967	2769	2710	2714	2791	2814
Jackson	4250	4274	4273	4254	4226	4042	4139	4212	4259	4261	4357
Jasper	6521	6408	6396	6436	6467	6350	6451	6125	6198	6136	6140

*The number of months used varies from two to five; months change across some years because of availability.

Table 3. Average Number Enrolled in Schools in Selected Months* in Iowa Counties, 1985-1996 (continued).

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Jefferson	1961	1829	1816	1853	1807	1771	1795	1826	1825	1869	1921
Johnson	13094	12103	11880	11323	11268	10963	10807	10579	10599	10245	10253
Jones	3693	3749	3717	3537	3471	3433	3389	3394	3404	3500	3416
Keokuk	2467	2436	2422	2400	2421	2432	2446	2441	2443	2390	2407
Kossuth	3599	3600	3518	3484	3583	3446	3471	3602	3540	3679	3656
Lee	7385	7481	7475	7240	7298	6906	7102	7119	7485	7291	7225
Linn	34608	33645	32691	32147	31861	29899	28832	29124	29670	30103	30498
Louisa	3008	2686	2811	2757	2695	2732	2730	2663	2600	2669	2660
Lucas	1597	1576	1623	1575	1559	1581	1575	1579	1621	1642	1631
Lyon	2342	2400	2355	2375	2321	2032	2324	2353	2358	2353	2315
Madison	2869	2824	2799	2800	2821	2815	2838	2836	2824	2855	2826
Mahaska	3438	3478	3478	3493	3416	3444	3400	3412	3363	3409	3402
Marion	6403	6308	5780	6031	6051	5820	5509	5546	5483	5036	5513
Marshall	6690	6560	6498	6495	6782	6569	6574	6296	6515	6662	6843
Mills	2624	2590	2629	2629	2587	2600	2623	2647	2667	2636	2663
Mitchell	2049	2041	2035	2016	2002	1978	2000	2016	2035	2014	1455
Monona	1845	1786	1869	1908	1900	1892	1925	1912	1882	1933	1938
Monroe	1351	1328	1314	1335	1324	1316	1293	1274	1340	1331	1402
Montgomery	1958	1989	1999	2006	2017	1989	2066	1987	2120	2004	1973
Muscatine	7575	7605	7610	7673	7520	7273	7276	7204	7208	7219	7245
O'Brien	3364	3356	3307	3094	3205	3201	3093	3107	3046	3134	3124
Osceola	985	1005	981	995	966	926	1016	940	968	976	1030
Page	3207	3232	3165	3205	3041	3008	3176	3076	3089	3091	3207
Palo Alto	2258	2270	2326	2351	2296	2317	2311	2255	2212	2199	2215
Plymouth	5509	5462	5273	5175	5211	4434	4971	4996	4955	4282	4861
Pocahontas	1609	1562	1548	1873	1860	1800	1790	1738	1768	1743	1789
Polk	63946	62531	60791	59994	55555	53487	52846	50778	50616	49740	49394
Pottawattamie	17017	16642	16369	16199	16022	15709	15295	15430	15502	15946	16483
Poweshiek	3104	2982	2973	2965	2860	2793	2822	2860	2883	2899	2895
Ringgold	1046	993	1001	998	1023	985	1006	995	992	994	993
Sac	2359	2387	2383	2343	2400	2389	2414	2362	2331	2322	2324
Scott	30436	28523	28749	28809	28683	28473	28207	27704	27823	27678	28349
Shelby	3056	3027	2984	3022	2708	2627	2601	2581	2599	2634	2684
Sioux	7306	6946	6701	6893	6851	6749	6464	6501	6396	6329	6402
Story	10557	10326	10215	9955	10018	9570	9407	9300	9200	9106	8989
Tama	3174	3176	3231	3652	3402	3413	3432	3474	3564	3581	3593
Taylor	1298	1276	1280	1269	1298	1375	1359	1414	1363	1386	1389
Union	2335	2251	2256	2322	2336	2294	2376	2409	2405	2428	2426
Van Buren	1462	1477	1460	1434	1406	1399	1400	1405	1431	1457	1449
Wapello	6694	6701	6708	6772	6739	6688	6564	6700	6769	6943	7196
Warren	7522	7010	6985	6818	6725	6717	6634	6465	6561	6483	6703
Washington	3740	3803	3724	3691	3680	3644	3599	3686	3660	3660	3675
Wayne	1235	1246	1226	1243	1190	1214	1192	1193	1196	1236	1239
Webster	6737	6863	6853	6906	6746	6703	6526	6749	6622	6772	6862
Winnebago	2960	2864	2846	2840	2811	2790	2757	2815	2787	2756	2676
Winneshiek	3249	3259	3307	3334	3245	3181	3173	3213	3116	3134	3150
Woodbury	19650	18811	18348	18568	18435	18432	17878	17994	17788	17014	16860
Worth	1160	1151	1131	1159	1151	1110	1117	1154	1154	1222	1224
Wright	3099	3148	2901	2730	2688	2574	2616	2640	2619	2686	2778
State of Iowa	535032	524451	517352	514671	509850	498375	494454	491083	493034	493328	496697

Table 4. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa Counties, 1985-1996.

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Adair	35.2	33.7	36.8	35.4	33.6	32.2	29.2	28.5	30.9	35.2	36.5
Adams	34.9	36.4	34.6	32.2	30.9	30.0	28.3	31.3	26.4	34.7	34.3
Allamakee	29.5	29.9	28.6	28.2	26.8	25.4	24.7	24.3	25.9	27.5	27.9
Appanoose	40.9	41.2	39.7	38.9	39.1	39.2	38.1	37.9	40.1	39.5	42.1
Audubon	28.0	26.3	27.7	27.3	28.7	27.2	21.6	22.1	24.3	26.9	26.4
Benton	22.7	23.0	23.5	24.0	24.7	25.2	23.0	23.2	25.3	26.8	25.0
Black Hawk	31.8	31.7	30.0	30.4	29.3	28.3	28.2	28.6	30.7	36.1	32.5
Boone	19.9	19.6	20.0	20.5	19.6	18.7	19.0	19.1	19.4	21.9	23.4
Bremer	19.3	19.3	18.8	19.2	18.2	17.8	16.8	18.0	21.5	25.8	21.5
Buchanan	24.8	26.6	26.4	26.2	27.8	25.3	26.5	26.7	29.5	34.7	33.7
Buena Vista	36.2	36.6	33.4	30.5	29.6	28.8	27.8	26.4	29.3	30.8	28.6
Butler	23.9	25.5	27.3	27.4	27.0	26.7	24.1	22.7	25.0	30.6	29.1
Calhoun	28.9	28.3	28.3	29.6	27.3	25.4	23.5	24.1	26.3	29.5	29.5
Carroll	24.6	23.4	22.3	22.6	24.7	24.1	22.7	24.7	25.5	28.0	26.5
Cass	30.7	32.3	31.6	30.5	29.3	28.0	27.4	28.6	28.9	31.0	30.2
Cedar	19.0	19.3	18.1	18.7	17.5	15.5	16.3	16.7	17.8	17.9	17.3
Cerro Gordo	25.6	25.5	25.1	26.3	24.3	23.8	22.4	23.6	24.1	24.4	23.8
Cherokee	25.0	25.6	26.0	25.5	24.6	23.7	23.0	25.2	26.1	28.4	29.9
Chickasaw	25.2	25.1	26.5	24.4	24.3	24.3	24.4	23.6	26.0	29.1	26.8
Clarke	36.2	38.2	39.0	37.7	31.7	29.6	28.9	32.4	22.1	36.8	36.8
Clay	23.7	25.7	25.9	28.3	26.3	25.7	25.4	25.4	28.6	29.3	29.3
Clayton	29.8	28.8	27.7	25.7	26.0	25.1	23.3	25.3	28.0	30.3	30.6
Clinton	23.0	22.7	22.9	21.9	20.0	20.1	19.8	20.2	20.3	22.2	23.8
Crawford	34.2	34.5	33.6	31.1	30.6	29.6	29.6	27.0	27.7	29.3	28.3
Dallas	19.8	19.9	19.5	22.6	20.3	19.2	17.8	17.1	19.9	21.1	22.5
Davis	30.9	38.8	35.6	34.1	32.6	29.7	28.8	28.1	33.2	35.1	35.4
Decatur	47.3	46.8	48.1	46.9	43.8	40.8	39.5	39.0	38.5	39.5	37.5
Delaware	22.5	21.8	22.2	22.5	21.8	21.0	21.5	23.0	22.7	26.5	27.3
Des Moines	26.5	25.3	24.0	23.1	24.3	24.2	23.1	23.8	23.8	22.4	23.6
Dickinson	21.8	22.1	22.7	21.0	23.4	21.5	23.1	24.6	25.4	26.6	27.1
Dubuque	23.3	23.3	23.0	22.7	21.6	21.6	21.4	21.5	23.1	26.8	25.1
Emmet	38.3	39.6	36.7	35.3	35.9	32.7	33.3	35.4	36.9	38.3	38.5
Fayette	29.9	30.2	30.1	28.6	28.1	25.9	25.6	26.1	28.8	32.4	31.2
Floyd	34.0	35.1	35.3	33.7	33.2	33.3	32.7	34.3	36.2	36.6	38.8
Franklin	28.6	29.0	29.1	31.0	29.7	28.7	28.9	28.9	30.5	31.1	30.3
Fremont	32.2	33.6	34.1	35.4	30.7	27.9	26.5	27.2	28.9	30.4	32.3
Greene	35.8	35.9	34.7	32.9	34.0	31.7	29.8	33.4	30.9	33.6	33.5
Grundy	20.7	21.7	20.8	21.9	18.8	17.6	13.8	14.8	17.5	20.5	16.9
Guthrie	29.1	29.4	30.9	29.8	28.2	25.8	24.1	26.9	29.4	32.6	34.0
Hamilton	26.0	27.4	26.6	26.8	25.4	24.9	22.4	22.1	25.4	25.6	26.0
Hancock	28.4	27.9	27.9	26.7	27.2	27.1	23.3	23.2	25.4	26.6	25.8
Hardin	35.2	35.4	34.6	34.6	32.5	31.2	31.5	30.3	31.1	32.1	33.6
Harrison	32.7	32.9	33.2	32.9	33.1	31.1	30.0	30.5	30.7	32.4	33.3
Henry	22.8	23.6	22.0	22.6	22.7	20.0	19.4	18.9	19.3	21.1	22.7
Howard	31.1	34.1	34.1	31.6	31.8	28.1	26.8	29.7	30.1	32.6	32.8
Humboldt	23.7	25.0	25.4	24.1	25.1	23.4	23.2	24.6	28.0	30.4	32.1
Ida	30.0	30.6	30.0	30.6	26.1	26.7	26.2	27.4	31.5	35.6	32.1
Iowa	17.5	18.7	19.2	19.2	17.7	19.1	17.0	17.5	18.9	20.0	20.7
Jackson	25.6	26.2	26.2	24.7	25.4	24.2	23.9	23.9	24.8	29.1	28.9
Jasper	18.4	19.8	19.2	17.8	16.9	15.9	15.1	14.9	15.9	17.9	19.2

*The number of months used varies from two to five; months change across some years because of availability.

Table 4. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa Counties, 1985-1996 (continued).

County	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986
Jefferson	21.8	21.0	20.7	22.8	21.2	19.1	18.4	18.1	18.5	21.3	21.4
Johnson	15.5	15.3	14.8	15.7	14.8	15.0	14.7	14.6	14.7	15.2	15.4
Jones	25.5	25.5	24.9	23.7	24.4	24.0	23.3	22.5	23.4	26.0	25.8
Keokuk	26.8	26.3	27.2	28.6	27.9	26.8	25.3	22.2	24.6	25.8	27.0
Kossuth	31.4	32.5	31.4	31.0	26.6	24.8	24.2	24.5	28.3	29.9	29.9
Lee	26.9	27.3	27.3	23.4	22.5	21.8	20.7	21.8	22.0	23.4	25.0
Linn	21.2	22.3	22.8	22.3	21.8	22.0	20.5	20.3	20.8	21.6	23.0
Louisa	31.1	29.5	28.1	26.4	23.6	22.9	21.9	20.8	21.1	23.2	24.7
Lucas	34.2	32.3	30.5	30.0	26.9	25.1	24.0	25.5	26.0	29.5	29.7
Lyon	24.5	22.3	23.5	23.6	23.1	22.8	25.0	27.1	29.1	31.1	31.0
Madison	21.6	22.1	24.1	24.2	24.1	23.3	22.7	23.4	24.9	27.0	28.7
Mahaska	29.7	30.7	32.5	30.1	30.3	30.0	30.1	30.6	32.1	34.7	36.1
Marion	19.2	20.2	20.0	19.8	19.8	18.7	17.8	18.3	19.3	21.8	22.1
Marshall	31.2	29.9	29.9	28.8	26.6	25.1	22.6	23.0	23.4	30.0	23.2
Mills	28.1	28.1	27.9	26.4	25.7	23.6	21.4	19.2	21.1	23.0	24.2
Mitchell	23.4	24.7	25.4	25.9	24.4	24.8	24.4	25.2	30.9	31.8	33.0
Monona	31.8	33.4	35.0	34.5	35.6	37.6	34.9	36.0	37.5	38.5	40.9
Monroe	34.6	36.3	36.5	36.8	34.2	34.2	32.3	35.2	35.3	36.6	37.2
Montgomery	27.4	24.9	24.0	24.7	24.4	21.6	22.0	23.0	23.1	25.7	27.0
Muscatine	30.5	30.1	30.6	31.9	29.8	30.0	26.6	26.3	26.0	25.3	22.8
O'Brien	26.9	27.7	26.5	26.0	24.9	24.3	22.6	23.9	25.4	27.8	27.6
Osceola	25.6	28.1	28.4	28.6	27.1	26.5	25.3	25.3	26.7	32.7	30.2
Page	28.3	30.3	32.0	29.9	26.5	26.4	25.6	25.0	27.4	29.9	27.8
Palo Alto	31.0	32.8	34.2	33.6	33.2	33.3	30.3	32.2	35.5	39.2	38.4
Plymouth	19.0	18.8	18.4	19.3	19.5	19.8	21.9	22.4	23.7	27.7	28.0
Pocahontas	29.7	28.6	30.6	32.0	29.9	30.1	26.9	26.6	28.9	31.4	30.6
Polk	25.1	24.1	22.9	22.7	23.3	22.2	21.0	22.2	23.0	24.1	24.4
Pottawattamie	33.5	33.9	32.5	30.5	28.8	26.9	25.8	25.3	26.2	25.3	25.0
Poweshiek	20.0	21.5	20.5	22.0	20.5	19.9	18.1	16.5	17.1	19.2	21.0
Ringgold	43.0	44.9	43.9	42.3	44.5	40.2	38.4	39.9	38.7	40.2	39.4
Sac	35.8	35.8	35.7	33.6	34.7	30.1	31.4	32.9	36.0	39.9	37.1
Scott	27.7	28.0	27.2	26.5	25.9	24.1	24.1	23.6	23.7	23.9	23.5
Shelby	32.7	32.4	31.8	30.1	28.9	25.7	23.9	23.1	24.8	24.8	22.8
Sioux	27.4	26.8	26.6	26.4	25.6	24.8	25.6	25.9	28.9	32.0	30.9
Story	18.2	18.2	17.5	17.7	17.8	18.3	17.2	17.8	18.8	19.5	18.8
Tama	31.2	34.7	36.2	35.8	34.5	31.7	30.3	29.3	30.2	32.8	33.7
Taylor	39.8	40.5	38.9	39.0	38.2	34.9	34.7	36.2	40.4	43.4	47.2
Union	39.2	36.3	36.0	36.3	33.1	30.9	30.2	29.4	30.8	32.5	32.4
Van Buren	35.5	34.7	34.6	33.6	32.2	32.1	30.6	29.4	30.1	33.3	33.3
Wapello	36.7	35.9	35.5	34.5	35.4	35.6	36.1	36.4	37.4	39.3	36.7
Warren	15.4	17.3	16.3	15.9	15.2	13.3	13.5	13.8	17.2	14.6	15.1
Washington	22.1	22.0	21.9	19.5	20.9	19.8	18.7	18.7	19.6	21.7	20.7
Wayne	45.7	45.7	43.6	42.2	38.1	36.3	34.6	35.2	37.1	36.9	37.6
Webster	30.2	31.9	33.6	30.8	29.8	29.7	30.2	29.8	31.2	30.4	33.1
Winnebago	23.3	21.5	20.7	22.0	20.3	20.5	18.4	17.0	17.9	21.7	23.1
Winneshiek	22.0	22.5	23.3	22.1	21.8	22.4	21.7	22.7	23.5	25.0	25.2
Woodbury	30.9	30.6	30.0	30.6	30.5	28.8	27.3	27.5	28.3	30.4	30.0
Worth	29.6	33.0	28.4	28.0	27.5	27.0	25.7	24.1	25.2	28.8	29.3
Wright	27.5	26.7	24.9	24.6	23.6	24.4	23.6	22.3	24.5	26.5	25.2
State of Iowa	26.4	26.6	26.2	25.8	25.2	24.4	23.5	23.8	25.0	26.8	26.6

Reduced-Price Meals

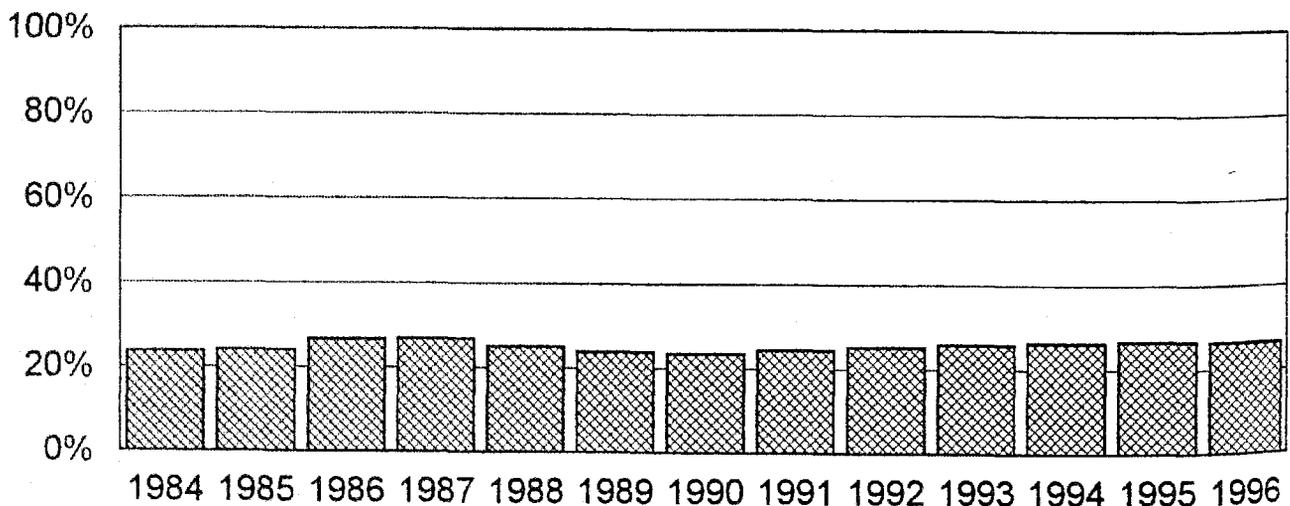
The number of students in Iowa receiving reduced-price meals did not vary as much throughout the period as the number getting free meals (Table 2), although it has increased each year since 1988-1989. In 1995-1996, an average of 34,037 students qualified for reduced-price meals each month. This was the highest statewide average for reduced-priced meals during the period examined. For 1995-1996, Polk had 3,344 students getting reduced-price meals; the counts also were greater than 1,000 in Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Twenty-four other counties had 300 or more. Adams (60) had the fewest students receiving reduced-price meals; Jefferson, Monroe, Ringgold, and Worth also were under 100.

Percentage of Students Receiving Free or Reduced-Price Meals

In Iowa in 1995-1996, 26.4 percent of students enrolled in school received either free or reduced-price meals (Table 4). The 1985-1986, 1986-1987, and 1994-1995 school years had slightly higher percentages (Figure 1), although they did not vary greatly over the years examined. In 1995-1996, Johnson (15.5%) and Warren (15.4%) had the lowest percentages of students in the meal program. Twelve other counties had figures that were at least five percentage points below that of the state. Twenty-seven counties had percentages at least five points above the state's figure, with four at 40 percent or higher (Appanoose, Decatur, Ringgold, Wayne). For 57 counties, the percentages for the 1995-1996 school year were lower than what they had been during 1985-1986. Five (Buchanan, Humboldt, Mitchell, Monona, Plymouth) dropped by at least eight percentage points. Forty counties had greater percentages of students in the meal program in 1995-1996 than in 1985-1986. Five (Decatur, Marshall, Pottawattamie, Shelby, Wayne) 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 considerably (1985-1986: March and May 1986; 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 1995-1996, 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 if data had been available for all months in each school year.

Figure 1. Percent of students receiving free or reduced-price school meals in Iowa, 1984-1996.



Serious Crimes Reported in Iowa's Counties:

1993-1995

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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. These seven categories accounted for 58.5 percent of crimes reported by law enforcement jurisdictions in Iowa in 1995.

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.

The Iowa Department of Public Safety did not receive 1995 reports from 15 jurisdictions, including the 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. And some reports were deleted by the Iowa Department of Public Safety because of insufficient data, including those from 14 offices of county sheriffs (Allamakee, Audubon, Clinton, Dickinson, Franklin, Fremont, Humboldt, Mills, Monroe, Montgomery, Pottawattamie, Shelby, Union, Washington) and nine police departments (Albia, Council Bluffs, Creston, Glenwood, Grinnell, Keokuk, Knoxville, Oelwein, Sergeant Bluff). Numbers in Tables 1 and 2 for counties with these law enforcement jurisdictions are underreported—undoubtedly grossly so in some cases.

The number of law enforcement units reporting data has changed from one year to the next. Generally, an increase in the number of units submitting information has occurred; but that does not mean that complete data have been provided. Thus, comparisons of 1993, 1994, and 1995 numbers are not appropriate either for the state or for many counties.

Violent Crimes

Sixty-four murders were reported to the Iowa Department of Public Safety in 1995 (Table 1). Seventy-eight of the counties had no murders in 1995; only Polk had more than eight.

Slightly more than 500 rapes were noted in 1995. In that year, Polk's total of 148 rapes was more than twice the number in Scott (67), which had the second highest total. Forty-one counties had no rapes reported while another 42 had fewer than five that year. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

Table 1. Violent Crime in Iowa Counties, 1993-1995.

County	Murder			Rape			Robbery			Aggravated Assault			Violent Crime Total		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Adair	0	0	0	0	0	0	0	0	0	3	4	2	3	4	2
Adams	0	0	1	0	0	1	0	0	0	11	3	8	11	3	10
Allamakee*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	0	0	0	3	3	7	0	0	0	25	30	45	28	33	52
Audubon*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton*	0	0	1	1	0	4	0	0	1	5	7	7	6	7	13
Black Hawk	3	2	9	46	72	62	142	117	136	389	307	343	580	498	550
Boone	0	0	1	1	3	3	0	1	0	10	11	22	11	15	26
Bremer	0	0	0	1	0	2	0	0	0	12	9	13	13	9	15
Buchanan	1	0	0	4	2	3	1	1	3	18	18	13	24	21	19
Buena Vista	1	0	0	3	3	2	5	3	0	15	13	21	24	19	23
Butler	0	0	0	0	1	2	0	1	0	7	5	3	7	7	5
Calhoun	0	0	0	0	1	1	0	0	0	7	5	3	7	6	4
Carroll	0	0	0	3	1	1	0	0	0	6	3	7	9	4	8
Cass	1	0	0	0	0	0	0	0	0	3	11	8	4	11	8
Cedar	0	3	0	0	0	3	0	0	0	11	14	17	11	17	20
Cerro Gordo	0	1	2	14	7	4	21	17	16	337	301	328	372	326	350
Cherokee	0	0	0	0	5	2	0	0	1	12	8	7	12	13	10
Chickasaw	0	0	0	0	0	0	0	1	0	6	6	14	6	7	14
Clarke	0	0	0	0	1	0	0	0	1	16	4	6	16	5	7
Clay	0	0	0	1	2	1	1	0	0	5	4	4	7	6	5
Clayton	0	0	0	0	0	0	0	0	0	6	4	3	6	4	3
Clinton*	0	0	0	0	0	0	0	1	1	10	7	6	10	8	7
Crawford	0	1	0	2	0	0	0	0	0	18	4	3	20	5	3
Dallas	3	0	0	8	1	1	3	2	1	37	16	9	51	19	11
Davis	0	0	0	0	1	1	0	1	0	2	1	3	2	3	4
Decatur*	0	0	0	2	0	4	0	0	0	8	8	5	10	8	9
Delaware	0	0	0	1	0	0	0	0	0	14	25	13	15	25	13
Des Moines	1	1	1	5	7	2	30	0	13	140	10	19	176	18	35
Dickinson*	0	0	0	1	0	0	0	0	0	11	9	23	12	9	23
Dubuque	1	0	0	9	0	0	6	0	0	14	0	3	30	0	3
Emmet	0	0	0	0	0	1	0	0	0	6	5	5	6	5	6
Fayette*	0	0	0	0	1	1	0	1	0	12	7	7	12	9	8

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Violent Crime in Iowa Counties, 1993-1995 (continued).

County	Murder			Rape			Robbery			Aggravated Assault			Violent Crime Total		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Floyd	0	0	0	2	3	1	0	0	0	18	28	24	20	31	25
Franklin*	0	0	1	0	0	0	0	1	0	8	3	2	8	4	3
Fremont*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greene*	0	0	1	0	0	1	0	0	0	2	2	3	2	2	5
Grundy*	0	0	0	0	1	0	0	0	0	0	2	1	0	3	1
Guthrie	0	0	0	0	0	1	0	0	0	1	1	3	1	1	4
Hamilton	0	0	0	4	2	2	1	1	0	6	5	11	11	8	13
Hancock	0	0	0	0	1	1	1	0	0	6	6	3	7	7	4
Hardin	0	0	1	2	1	0	0	0	0	16	8	13	18	9	14
Harrison	0	0	0	1	1	0	0	0	0	1	4	3	2	5	3
Henry	0	0	0	3	2	4	1	0	2	53	39	47	57	41	53
Howard	0	0	0	0	0	0	0	0	0	2	9	8	2	9	8
Humboldt*	0	0	0	0	0	0	0	0	0	3	5	2	3	5	2
Ida	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0
Iowa	0	0	0	1	0	0	1	1	0	3	9	2	5	10	2
Jackson	0	0	0	1	4	5	0	0	1	4	3	5	5	7	11
Jasper	0	1	0	3	3	1	5	5	2	26	17	18	34	26	21
Jefferson	0	0	0	2	1	3	1	1	0	34	30	23	37	32	26
Johnson*	4	1	1	21	31	5	44	20	3	299	280	58	368	332	67
Jones	0	1	1	3	2	0	0	0	0	6	3	8	9	6	9
Keokuk	0	0	0	2	1	0	1	0	0	6	5	5	9	6	5
Kossuth	0	0	0	0	1	0	0	0	0	18	12	13	18	13	13
Lee*	1	0	0	1	5	3	8	9	2	16	106	7	26	120	12
Linn*	1	0	3	0	5	5	4	6	4	83	70	91	88	81	103
Louisa	0	0	0	1	0	1	0	0	0	5	10	9	6	10	10
Lucas	0	0	0	1	1	0	0	0	0	17	6	4	18	7	4
Lyon	0	0	1	0	0	0	0	0	0	7	1	4	7	1	5
Madison	0	0	0	2	0	0	1	1	0	17	5	0	20	6	0
Mahaska	0	0	0	1	6	10	2	5	0	48	31	21	51	42	31
Marion*	1	0	0	2	0	1	0	0	0	31	25	21	34	25	22
Marshall	0	2	1	4	12	1	10	12	15	125	122	115	139	148	132
Mills*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	0	0	0	0	0	2	0	1	0	4	5	6	4	6	8

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Violent Crime in Iowa Counties, 1993-1995 (continued).

County	Murder			Rape			Robbery			Aggravated Assault			Violent Crime Total		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Monona	0	0	0	1	2	0	1	3	1	25	26	20	27	31	21
Monroe*	0	0	0	1	0	1	0	0	0	2	1	3	3	1	4
Montgomery*	0	0	0	1	4	1	0	0	0	17	13	20	18	17	21
Muscatine	2	1	0	19	24	16	9	5	4	128	111	51	158	141	71
O'Brien	0	0	0	1	1	0	0	0	0	7	13	8	8	14	8
Osceola	0	0	0	0	0	0	0	0	0	0	6	5	0	6	5
Page	0	0	0	3	0	1	1	0	0	23	12	13	27	12	14
Palo Alto	0	0	0	5	0	0	0	1	0	2	1	4	7	2	4
Plymouth	0	0	1	4	7	7	0	0	0	30	19	20	34	26	28
Pocahontas	0	0	0	0	0	0	0	0	0	2	0	3	2	0	3
Polk	20	14	12	148	105	113	361	342	295	820	680	711	1349	1141	1131
Pottawattamie*	0	1	0	0	0	0	0	2	0	1	1	3	1	4	3
Poweshiek*	0	0	0	0	0	3	0	0	1	0	3	5	0	3	9
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	0	0	1	0	0	0	0	3	3	4	3	4	4
Scott	8	8	6	67	71	69	392	343	301	1477	1377	1341	1944	1799	1717
Shelby*	0	0	0	0	0	0	0	0	0	15	0	0	15	0	0
Sioux*	1	0	0	2	1	2	0	0	0	5	3	7	8	4	9
Story	0	0	1	13	18	20	6	4	9	62	73	72	81	95	102
Tama*	0	0	0	2	1	4	1	4	2	43	28	23	46	33	29
Taylor	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2
Union*	0	0	0	0	0	1	1	1	0	0	6	8	1	7	9
Van Buren	0	0	0	0	1	1	0	0	0	2	0	3	2	1	4
Wapello	1	1	0	1	1	0	5	3	0	58	46	9	65	51	9
Warren*	2	1	6	3	2	2	5	3	1	40	29	42	50	35	51
Washington*	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
Wayne	0	0	0	1	4	1	0	0	0	7	10	7	8	14	8
Webster	0	0	2	10	10	2	36	18	19	147	121	171	193	149	194
Winnebago	0	0	0	3	1	4	0	1	0	16	18	22	19	20	26
Winneshiek	0	0	1	0	5	4	1	0	0	31	24	19	32	29	24
Woodbury*	3	5	4	58	81	84	131	110	122	1308	1064	1119	1500	1260	1329
Worth	0	0	0	0	0	0	0	0	0	5	8	4	5	8	4
Wright	0	0	0	0	2	1	0	0	0	10	14	4	10	16	5
State of Iowa	64	44	58	505	536	492	1239	1049	957	6330	5428	5223	8138	7057	6730

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Property Crime and the Total Crime Index in Iowa Counties, 1993-1995.

County	Burglary			Larceny			Motor Vehicle Theft			Property Crime Total			Total Crime Index		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Adair	21	16	16	49	37	51	2	3	4	72	56	71	75	60	73
Adams	28	28	24	41	43	26	7	3	4	76	74	54	87	77	64
Allamakee*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	194	116	109	352	256	294	22	29	12	568	401	415	596	434	467
Audubon*	0	0	1	0	0	4	1	0	0	1	0	5	1	0	5
Benton*	106	64	103	204	139	116	11	10	14	321	213	233	327	220	246
Black Hawk	1642	1394	1341	4965	4086	4087	322	282	255	6929	5762	5683	7509	6260	6233
Boone	56	81	62	540	495	416	25	28	26	621	604	504	632	619	530
Bremer	60	57	57	215	197	176	18	7	7	293	261	240	306	270	255
Buchanan	175	133	146	268	271	277	28	30	20	471	434	443	495	455	462
Buena Vista	202	213	164	370	314	281	27	30	22	599	557	467	623	576	490
Butler	37	46	62	61	79	83	6	3	3	104	128	148	111	135	153
Calhoun	72	52	31	107	176	107	6	11	7	185	239	145	192	245	149
Carroll	66	85	50	326	308	335	20	11	21	412	404	406	421	408	414
Cass	77	56	56	269	272	248	19	18	10	365	346	314	369	357	322
Cedar	53	66	98	192	178	206	14	10	13	259	254	317	270	271	337
Cerro Gordo	578	450	570	2326	2002	2196	102	87	94	3006	2539	2860	3378	2865	3210
Cherokee	68	34	13	269	169	137	19	12	12	356	215	162	368	228	172
Chickasaw	38	23	33	66	78	129	2	11	9	106	112	171	112	119	185
Clarke	99	32	63	184	123	139	22	11	7	305	166	209	321	171	216
Clay	44	19	31	325	196	240	14	9	9	383	224	280	390	230	285
Clayton	25	31	26	98	85	70	3	3	8	126	119	104	132	123	107
Clinton*	33	43	54	298	244	252	17	12	5	348	299	311	358	307	318
Crawford	14	6	9	201	157	160	16	3	2	231	166	171	251	171	174
Dallas	152	89	59	636	536	317	38	14	16	826	639	392	877	658	403
Davis	51	42	28	107	95	71	3	4	2	161	141	101	163	144	105
Decatur*	21	25	43	63	44	110	12	4	3	96	73	156	106	81	165
Delaware	45	31	26	188	168	158	11	8	7	244	207	191	259	232	204
Des Moines	539	78	234	1757	348	679	139	12	41	2435	438	954	2611	456	989
Dickinson*	40	48	54	135	214	147	5	13	9	180	275	210	192	284	233
Dubuque	460	4	15	1520	38	69	101	2	3	2081	44	87	2111	44	90
Emmet	97	75	67	164	118	160	13	5	5	274	198	232	280	203	238
Fayette*	40	28	50	54	80	89	6	10	9	100	118	148	112	127	156

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Property Crime and the Total Crime Index in Iowa Counties, 1993-1995 (continued).

County	Burglary			Larceny			Motor Vehicle Theft			Property Crime Total			Total Crime Index		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Floyd	45	68	47	363	328	340	7	17	10	415	413	397	435	444	422
Franklin*	18	15	7	129	107	94	7	7	7	154	129	108	162	133	111
Fremont*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greene*	10	20	16	32	20	27	4	4	3	46	44	46	48	46	51
Grundy*	31	24	18	61	66	37	3	5	0	95	95	55	95	98	56
Guthrie	38	30	31	74	107	104	13	10	8	125	147	143	126	148	147
Hamilton	87	45	45	402	311	337	27	20	22	516	376	404	527	384	417
Hancock	16	10	21	72	50	38	8	7	5	96	67	64	103	74	68
Hardin	94	110	81	325	294	301	31	30	15	450	434	397	468	443	411
Harrison	36	25	37	74	59	76	5	9	6	115	93	119	117	98	122
Henry	132	119	122	349	325	327	52	16	15	533	460	464	590	501	517
Howard	15	11	12	126	123	60	6	7	1	147	141	73	149	150	81
Humboldt*	11	14	7	107	138	44	5	4	1	123	156	52	126	161	54
Ida	15	18	0	95	77	0	1	3	0	111	98	0	111	103	0
Iowa	32	23	4	67	40	4	8	7	4	107	70	12	112	80	14
Jackson	71	87	96	307	229	301	26	18	17	404	334	414	409	341	425
Jasper	228	116	129	824	525	541	100	53	39	1152	694	709	1186	720	730
Jefferson	174	108	89	360	440	437	17	23	29	551	571	555	588	603	581
Johnson*	707	677	83	2655	2313	209	116	160	13	3478	3150	305	3846	3482	372
Jones	42	25	43	282	168	185	21	14	11	345	207	239	354	213	248
Keokuk	50	41	68	115	148	128	11	15	3	176	204	199	185	210	204
Kossuth	59	51	35	157	151	152	10	8	17	226	210	204	244	223	217
Lee*	106	169	98	606	806	468	31	33	25	743	1008	591	769	1128	603
Linn*	259	268	273	988	807	445	77	52	60	1324	1127	778	1412	1208	881
Louisa	39	47	82	228	181	203	39	22	18	306	250	303	312	260	313
Lucas	54	35	12	229	220	63	19	11	2	302	266	77	320	273	81
Lyon	12	9	17	69	51	51	1	3	4	82	63	72	89	64	77
Madison	40	38	16	180	154	99	10	10	10	230	202	125	250	208	125
Mahaska	96	91	58	301	314	267	25	19	18	422	424	343	473	466	374
Marion*	49	40	49	348	313	263	28	18	4	425	371	316	459	396	338
Marshall	322	300	259	862	1015	982	70	57	59	1254	1372	1300	1393	1520	1432
Mills*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	26	14	40	74	68	153	4	7	7	104	89	200	108	95	208

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Property Crime and the Total Crime Index in Iowa Counties, 1993-1995 (continued).

County	Burglary			Larceny			Motor Vehicle Theft			Property Crime Total			Total Crime Index		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Monona	108	87	97	189	153	175	21	10	14	318	250	286	345	281	307
Monroe*	4	6	11	5	28	55	1	5	13	10	39	79	13	40	83
Montgomery*	90	88	77	359	351	326	22	16	11	471	455	414	489	472	435
Muscatine	544	479	261	900	777	556	85	82	43	1529	1338	860	1687	1479	931
O'Brien	112	64	52	109	159	178	8	11	17	229	234	247	237	248	255
Osceola	46	33	33	66	99	58	6	1	3	118	133	94	118	139	99
Page	83	69	68	293	269	284	30	21	19	406	359	371	433	371	385
Palo Alto	57	51	50	140	133	114	4	3	2	201	187	166	208	189	170
Plymouth	178	166	71	267	278	227	23	14	15	468	458	313	502	484	341
Pocahontas	17	20	23	56	54	89	1	1	5	74	75	117	76	75	120
Polk	3016	2522	2720	16583	14508	15287	1663	1156	1047	21262	18186	19054	22611	19327	20185
Pottawattamie*	50	34	35	88	73	71	24	11	12	162	118	118	163	122	121
Poweshiek*	81	6	45	100	22	103	17	1	7	198	29	155	198	32	164
Ringgold	4	0	1	12	1	33	2	0	2	18	1	36	18	1	36
Sac	14	12	19	75	71	73	2	1	4	91	84	96	94	88	100
Scott	1896	1982	2140	6802	6117	6475	640	557	417	9338	8656	9032	11282	10455	10749
Shelby*	18	0	0	109	0	0	4	0	0	131	0	0	146	0	0
Sioux*	42	25	30	106	116	112	6	4	8	154	145	150	162	149	159
Story	362	378	332	2068	2217	2233	85	77	86	2515	2672	2651	2596	2767	2753
Tama*	97	89	64	144	195	234	27	30	21	268	314	319	314	347	348
Taylor	22	29	24	32	28	30	0	4	3	54	61	57	56	63	59
Union*	3	30	47	19	161	225	3	10	13	25	201	285	26	208	294
Van Buren	73	14	41	87	43	109	39	2	9	199	59	159	201	60	163
Wapello	340	159	71	1160	569	59	50	22	14	1550	750	144	1615	801	153
Warren*	245	207	178	659	771	704	48	36	29	952	1014	911	1002	1049	962
Washington*	6	0	0	15	0	0	1	0	0	22	0	0	23	0	0
Wayne	59	61	46	91	62	70	12	8	6	162	131	122	170	145	130
Webster	374	218	247	1418	980	1046	113	80	59	1905	1278	1352	2098	1427	1546
Winnebago	42	39	55	71	74	89	6	4	11	119	117	155	138	137	181
Winneshiek	85	55	72	232	189	216	19	16	17	336	260	305	368	289	329
Woodbury*	1459	1139	1401	5146	4317	4685	463	313	275	7068	5769	6361	8568	7029	7690
Worth	39	12	19	51	29	36	5	1	4	95	42	59	100	50	63
Wright	31	21	35	145	86	91	37	5	5	213	112	131	223	128	136
State of Iowa	17644	14208	13955	64808	54424	52609	5300	3866	3283	87752	72498	69847	95890	79555	76577

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

The number of robberies reached 1,239 in 1995. Polk and Scott had substantially higher counts than other counties. Sixty-two counties reported no robberies in 1995.

Aggravated assaults totaled 6,330 in the most recent year. Only seven counties had no crime of this type in 1995, while three (Polk, Scott, Woodbury) reported at least 500 aggravated assaults that year.

Violent crimes totaled 8,138 in 1995. Only six counties (Audubon, Grundy, Ida, Osceola, Poweshiek, Ringgold) had no violent crimes in 1995. At the other extreme, three counties (Polk, Scott, Woodbury) had at least 1,000 violent crimes that year.

Property Crimes

Property crimes were both more numerous and more widely distributed throughout Iowa than were violent crimes. On burglaries, for example, all counties except Audubon had at least three in 1995 (Table 2). Twenty-seven counties noted more than 100, led by four with at least 1,000 (Black Hawk, Polk, Scott, Woodbury).

More than 64,800 larcenies were reported to police in 1995. Polk's 16,600 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. Ten other counties had at least 1,000 larcenies that year. Thirty counties reported fewer than 100 larcenies in 1995, with Audubon again reporting none.

A total of 5,300 motor vehicle thefts occurred in 1995. Polk had at least 1,000 each year; this county had more than twice the number of motor vehicle thefts of Scott, which reported the second highest total.

Nearly 87,800 property crimes were reported in 1995. As would be expected based on the information for individual property crimes, Polk's total number of property crimes was twice that of the 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 95,900 in 1995 (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.

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:

1993-1995

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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.

The Iowa Department of Public Safety did not receive 1995 reports from 15 jurisdictions, including the 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. And some reports were deleted by the Iowa Department of Public Safety because of insufficient data, including those from 14 offices of county sheriffs (Allamakee, Audubon, Clinton, Dickinson, Franklin, Fremont, Humboldt, Mills, Monroe, Montgomery, Pottawattamie, Shelby, Union, Washington) and nine police departments (Albia, Council Bluffs, Creston, Glenwood, Grinnell, Keokuk, Knoxville, Oelwein, Sergeant Bluff). Numbers in Tables 1 and 2 for counties with these law enforcement jurisdictions are underreported—undoubtedly grossly so in some cases.

The number of law enforcement units reporting data has changed from one year to the next. Generally, an increase in the number of units submitting information has occurred; but that does not mean that complete data have been provided. Thus, comparisons of 1993, 1994, and 1995 numbers are not appropriate either for the state or for many counties.

Arrests for Group A Crimes

The most serious offenses are called Group A crimes. In 1995, 10,978 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 1995. On the other hand, no arrests for Group A crimes were noted in 13 counties; 18 others had fewer than 10 arrests of juveniles for these crimes in 1995. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1995.

County	Aggravated Assault			Simple Assault			Burglary			Larceny			Motor Vehicle Theft		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Adair	0	0	0	0	0	1	0	1	0	0	3	1	0	0	0
Adams	0	0	0	2	0	0	2	1	6	2	0	0	2	0	0
Allamakee*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	1	2	2	25	17	26	3	0	8	48	31	35	2	0	2
Audubon*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton*	0	2	0	10	6	6	9	4	7	18	7	4	0	5	1
Black Hawk	31	19	10	136	175	68	50	62	35	425	315	169	43	36	4
Boone	0	0	4	17	7	14	5	12	5	37	55	35	2	7	7
Bremer	4	0	3	11	1	4	8	5	9	30	29	20	10	2	1
Buchanan	4	3	10	8	12	10	22	16	12	18	32	39	0	2	0
Buena Vista	1	2	4	16	12	12	13	29	4	48	30	31	6	4	8
Butler	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Calhoun	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Carroll	3	1	5	8	9	6	2	1	0	39	5	27	0	1	1
Cass	1	0	1	1	7	1	6	8	3	4	13	22	0	3	0
Cedar	1	0	2	8	5	11	9	0	2	11	5	4	2	0	3
Cerro Gordo	39	46	59	56	45	59	30	67	60	312	231	255	21	17	19
Cherokee	6	1	1	24	27	11	5	3	3	36	33	62	5	4	2
Chickasaw	0	0	0	6	0	0	1	0	0	4	6	10	0	1	0
Clarke	2	0	0	4	4	1	3	1	1	4	6	11	0	0	0
Clay	0	0	0	9	0	0	11	6	5	52	6	5	5	0	0
Clayton	0	0	0	2	0	1	1	0	0	3	2	0	0	0	0
Clinton*	2	4	2	10	6	4	0	4	3	11	15	23	6	4	2
Crawford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dallas	2	2	0	9	29	18	3	10	1	40	55	42	5	2	3
Davis	0	0	0	1	0	1	0	3	6	0	1	7	0	0	0
Decatur*	0	2	1	0	1	1	0	3	2	0	8	5	0	2	1
Delaware	0	7	1	9	13	4	4	14	6	25	29	16	4	2	0
Des Moines	11	1	3	57	17	35	18	8	16	140	19	70	7	2	10
Dickinson*	3	1	2	3	0	1	1	4	0	18	13	12	0	1	0
Dubuque	2	0	1	52	0	2	11	1	0	86	5	8	7	1	2
Emmet	1	0	0	8	2	7	0	7	0	11	0	0	0	0	0
Fayette*	1	0	0	3	3	1	0	0	0	4	1	6	1	0	1

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1995 (continued).

County	Aggravated Assault			Simple Assault			Burglary			Larceny			Motor Vehicle Theft		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Floyd	6	4	2	29	22	21	5	16	4	54	47	54	4	0	0
Franklin*	1	1	1	12	17	6	4	5	2	28	17	20	9	5	0
Fremont*	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
Grundy*	0	1	0	0	1	0	3	4	2	0	1	3	0	2	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	4	3	1	25	15	39	11	10	7	44	24	38	6	1	1
Hancock	2	3	2	4	0	3	3	1	7	4	4	11	3	0	1
Hardin	3	1	3	7	19	13	10	20	13	24	20	59	6	9	5
Harrison	0	0	0	1	2	2	0	2	0	0	0	6	0	0	0
Henry	6	6	6	14	12	13	12	10	8	44	25	41	8	1	3
Howard	0	1	0	6	2	1	6	1	0	7	26	4	4	2	0
Humboldt*	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	0	0	0	7	4	1	1	0	0	4	4	0	2	1	0
Jackson	3	1	1	18	5	11	1	1	1	37	17	16	3	13	2
Jasper	7	2	5	30	20	12	23	6	7	42	21	12	1	14	1
Jefferson	1	4	1	7	3	4	5	0	5	18	18	20	0	2	0
Johnson*	51	39	8	48	49	2	39	36	9	209	248	7	7	17	5
Jones	0	0	0	0	6	7	2	0	3	15	14	11	0	1	1
Keokuk	0	0	0	0	0	1	0	4	8	0	0	5	1	1	0
Kossuth	2	1	0	4	5	3	6	11	0	24	28	24	0	2	2
Lee*	1	8	2	30	53	32	10	28	11	81	105	55	1	9	1
Linn*	19	14	8	27	45	18	27	54	23	73	55	12	12	10	17
Louisa	0	3	0	1	13	13	0	6	10	0	7	4	2	1	5
Lucas	0	0	1	8	12	0	1	1	0	22	15	4	0	2	0
Lyon	0	0	0	3	2	1	1	1	10	5	6	9	0	0	3
Madison	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0
Mahaska	7	0	4	12	14	10	35	13	6	33	27	33	2	3	8
Marion*	4	1	1	5	7	3	4	0	3	9	10	21	2	0	0
Marshall	22	25	21	58	57	59	16	22	18	109	105	107	10	19	9
Mills*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	0	0	0	1	0	3	0	4	2	12	9	8	0	3	1

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1995 (continued).

County	Aggravated Assault			Simple Assault			Burglary			Larceny			Motor Vehicle Theft		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Monona	0	0	0	0	4	1	0	0	3	0	2	6	0	0	0
Monroe*	1	0	0	0	0	0	0	0	0	1	2	1	0	0	0
Montgomery*	1	0	1	25	20	26	5	7	12	27	24	30	5	4	4
Muscatine	33	36	19	60	63	62	43	32	44	179	146	152	21	19	7
O'Brien	0	1	1	10	10	10	10	7	11	28	29	33	3	2	4
Osceola	0	0	0	4	6	5	6	9	4	5	14	10	3	0	1
Page	2	1	0	10	11	16	11	6	1	11	16	14	3	0	1
Palo Alto	0	0	0	1	0	2	0	4	2	14	5	10	0	0	0
Plymouth	0	3	2	16	5	4	9	1	2	13	11	16	1	1	0
Pocahontas	3	0	0	0	4	0	0	0	0	2	3	1	2	0	0
Polk	30	17	4	46	53	21	20	40	26	317	329	211	14	25	23
Pottawattamie*	0	0	0	1	2	1	3	2	10	0	2	4	0	4	0
Poweshiek*	0	0	0	0	0	0	3	0	1	5	0	1	1	0	1
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Sac	0	0	0	0	0	0	0	2	4	1	0	4	0	1	0
Scott	149	174	131	185	179	135	99	145	180	595	640	619	125	75	67
Shelby*	0	0	0	2	0	0	0	0	0	14	0	0	0	0	0
Sioux*	2	0	0	2	4	1	8	12	16	4	9	8	11	0	3
Story	5	5	8	42	29	18	20	25	31	132	90	108	6	3	12
Tama*	7	2	1	8	6	4	16	6	11	7	5	7	3	2	3
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0	0	3	0	5	8	1	2	2	2	20	20	1	4	0
Van Buren	0	0	0	0	0	1	0	0	2	0	0	1	0	0	0
Wapello	2	1	0	62	47	4	6	14	13	49	67	5	1	3	3
Warren*	6	0	4	23	24	23	22	24	20	51	62	43	5	3	1
Washington*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Webster	21	6	6	30	5	28	23	1	14	57	16	63	2	0	3
Winnebago	1	4	3	4	8	4	4	8	7	3	17	9	0	4	0
Winneshiek	0	0	0	2	5	8	0	7	10	22	8	35	4	7	1
Woodbury*	195	198	173	187	231	289	105	100	153	544	588	654	40	51	50
Worth	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0
Wright	1	3	1	5	0	1	7	0	4	8	12	7	1	1	4
State of Iowa	713	663	535	1578	1506	1257	864	980	937	4419	3927	3578	465	423	320

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1995 (continued).

County	Vandalism of Property			Drug Offenses			Other Group A Offenses			Total Group A Offenses		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Adair	4	2	1	2	0	0	0	0	0	6	6	3
Adams	10	5	0	0	0	0	2	0	0	20	6	6
Allamakee*	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	15	5	7	5	0	1	7	8	5	106	63	86
Audubon*	0	0	0	0	0	0	0	0	0	0	0	0
Benton*	1	1	4	2	3	1	2	2	0	42	30	23
Black Hawk	82	70	29	52	20	6	53	51	16	872	748	337
Boone	14	28	33	7	2	1	12	8	7	94	119	106
Bremer	3	2	0	4	5	1	1	5	4	71	49	42
Buchanan	5	16	22	3	2	0	2	5	3	62	88	96
Buena Vista	24	16	2	5	1	0	13	9	12	126	103	73
Butler	0	0	0	0	0	0	0	0	0	0	0	1
Calhoun	0	0	3	0	0	0	0	1	0	0	2	4
Carroll	17	13	18	0	0	0	3	5	2	72	35	59
Cass	4	3	1	1	2	1	1	6	3	18	42	32
Cedar	7	3	7	5	4	1	0	7	10	43	24	40
Cerro Gordo	63	90	70	17	16	8	31	36	29	569	548	559
Cherokee	18	13	18	1	0	0	16	8	6	111	89	103
Chickasaw	1	0	0	0	1	0	0	1	0	12	9	10
Clarke	1	1	2	0	0	0	2	2	0	16	14	15
Clay	0	0	3	3	0	0	0	2	0	80	14	13
Clayton	5	2	3	0	0	0	1	1	0	12	5	4
Clinton*	24	8	14	1	1	0	2	1	1	56	43	49
Crawford	0	1	0	0	0	0	0	0	1	0	1	1
Dallas	17	9	17	1	1	2	3	17	5	80	125	88
Davis	0	0	0	0	0	0	0	0	0	1	4	14
Decatur*	0	1	1	2	1	0	1	1	2	3	19	13
Delaware	11	8	8	3	5	0	5	7	7	61	85	42
Des Moines	39	13	31	18	0	1	17	5	15	307	65	181
Dickinson*	6	6	7	1	2	0	4	1	0	36	28	22
Dubuque	24	0	0	5	0	0	17	1	0	204	8	13
Emmet	0	0	0	1	0	0	0	0	0	21	9	7
Fayette*	0	6	1	2	1	0	1	1	4	12	12	13

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1995 (continued).

County	Vandalism of Property			Drug Offenses			Other Group A Offenses			Total Group A Offenses		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Floyd	11	6	13	8	4	1	5	8	6	122	107	101
Franklin*	15	12	11	2	1	0	8	24	1	79	82	41
Fremont*	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
Grundy*	0	1	0	1	0	0	0	2	0	4	12	5
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	33	16	25	2	0	0	3	3	4	128	72	115
Hancock	5	2	6	0	0	0	3	3	7	24	13	37
Hardin	7	7	25	0	4	1	1	5	3	58	85	122
Harrison	2	0	2	0	3	0	1	0	0	4	7	10
Henry	10	11	10	8	5	2	5	10	7	107	80	90
Howard	5	9	9	2	0	0	0	3	0	30	44	14
Humboldt*	0	0	0	0	0	0	0	0	0	3	2	0
Ida	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	6	1	2	1	0	0	2	2	0	23	12	3
Jackson	22	20	6	1	2	0	2	5	2	87	64	39
Jasper	14	11	3	6	2	2	7	7	6	130	83	48
Jefferson	6	7	5	0	0	6	3	0	1	40	34	42
Johnson*	60	55	11	45	58	0	45	58	7	504	560	49
Jones	4	1	19	1	5	0	2	2	2	24	29	43
Keokuk	0	0	0	0	0	0	0	0	0	1	5	14
Kossuth	11	12	6	0	1	0	2	2	10	49	62	45
Lee*	19	46	35	12	7	1	8	6	5	162	262	142
Linn*	37	38	28	8	0	2	22	11	4	225	227	112
Louisa	0	3	6	0	1	0	0	0	1	3	34	39
Lucas	14	9	1	3	1	0	5	4	0	53	44	6
Lyon	0	1	4	5	0	0	1	2	2	15	12	29
Madison	0	0	0	2	0	0	0	0	0	3	0	3
Mahaska	28	7	16	2	1	9	7	4	9	126	69	95
Marion*	10	9	7	2	0	1	0	2	2	36	29	38
Marshall	31	32	26	27	10	4	6	18	11	279	288	255
Mills*	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	18	0	0	0	0	4	2	0	0	33	16	18

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 1. Juvenile Arrests for Group A Offenses in Iowa Counties, 1993-1995 (continued).

County	Vandalism of Property			Drug Offenses			Other Group A Offenses			Total Group A Offenses		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Monona	0	0	4	1	0	1	2	0	0	3	6	15
Monroe*	0	0	0	0	0	1	0	0	0	2	2	2
Montgomery*	5	16	11	1	0	1	13	6	7	82	77	92
Muscatine	63	86	37	47	27	23	22	41	19	468	450	363
O'Brien	12	9	9	6	0	0	2	6	4	71	64	72
Osceola	0	10	4	0	0	0	0	4	1	18	43	25
Page	5	10	3	3	0	2	2	3	2	47	47	39
Palo Alto	15	0	0	0	0	0	3	0	5	33	9	19
Plymouth	14	10	7	6	5	0	1	5	3	60	41	34
Pocahontas	0	0	4	0	0	0	1	0	2	8	7	7
Polk	90	60	24	76	49	5	41	36	12	634	609	326
Pottawattamie*	2	2	1	1	6	0	1	0	0	8	18	16
Poweshiek*	2	0	6	0	0	0	0	0	0	11	0	9
Ringgold	0	0	0	0	0	0	0	0	0	2	0	0
Sac	0	2	1	0	0	0	0	1	2	1	6	11
Scott	153	144	123	214	150	108	197	197	184	1717	1704	1547
Shelby*	14	0	0	1	0	0	2	0	0	33	0	0
Sioux*	19	2	11	1	0	0	3	2	5	50	29	44
Story	31	22	41	16	12	2	14	17	9	266	203	229
Tama*	4	20	5	1	1	0	4	1	0	50	43	31
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0	2	15	0	0	0	0	2	0	4	35	48
Van Buren	0	0	12	0	0	0	0	1	0	0	1	16
Wapello	8	2	7	3	1	0	4	5	0	135	140	32
Warren*	15	10	12	8	16	13	16	5	9	146	144	125
Washington*	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	0	0	0	0	0	0	1	0	0	2	0	0
Webster	11	4	8	0	0	4	6	0	3	150	32	129
Winnebago	2	30	1	5	2	1	1	3	17	20	76	42
Winneshiek	22	2	5	0	1	1	4	1	2	54	31	62
Woodbury*	109	233	134	102	38	47	117	102	124	1399	1541	1624
Worth	0	2	1	4	0	1	0	2	0	5	6	3
Wright	10	9	5	0	4	0	2	0	1	34	29	23
State of Iowa	1369	1325	1069	775	484	266	795	812	633	10978	10120	8595

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1995.

County	Curfew/Loitering			Disorderly Conduct			Driving Under the Influence			Drunkenness			Liquor Law Violation		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Adair	0	0	0	1	0	0	1	0	0	0	0	0	4	12	8
Adams	0	0	0	0	0	4	0	0	0	0	0	0	14	5	2
Allamakee*	0	0	0	0	0	0	0	1	0	0	0	0	1	2	3
Appanoose	0	16	14	23	8	18	0	2	2	7	3	2	12	26	26
Audubon*	0	0	0	0	0	0	0	0	1	0	0	0	5	1	2
Benton*	0	0	0	4	5	0	1	3	0	0	3	0	17	6	21
Black Hawk	15	24	38	119	126	131	9	6	14	10	8	12	25	30	55
Boone	49	15	0	7	12	7	0	2	1	2	0	1	38	40	22
Bremer	0	0	0	8	7	6	2	3	2	4	4	4	46	33	10
Buchanan	1	0	0	6	9	5	3	2	4	0	0	3	6	10	17
Buena Vista	0	0	0	4	7	6	2	2	2	6	5	2	74	43	44
Butler	0	0	0	0	0	0	1	1	1	0	1	0	8	8	51
Calhoun	0	0	0	0	1	0	0	0	0	0	1	0	13	4	2
Carroll	0	1	5	2	4	3	2	1	2	1	1	4	50	77	80
Cass	3	1	0	1	0	1	2	2	3	0	0	0	19	16	1
Cedar	2	0	1	1	0	0	1	0	2	1	1	3	13	19	12
Cerro Gordo	0	0	0	38	29	15	5	3	7	13	5	10	43	60	80
Cherokee	0	0	0	3	0	1	2	1	0	0	1	2	27	13	13
Chickasaw	0	0	0	1	2	3	1	1	1	1	2	2	3	20	10
Clarke	0	0	0	4	1	1	0	0	1	1	0	0	4	3	3
Clay	0	0	0	9	4	5	3	0	4	3	4	3	44	47	83
Clayton	0	0	0	5	0	0	3	3	1	2	0	2	10	16	7
Clinton*	19	36	7	3	5	0	0	0	0	7	8	4	8	12	18
Crawford	0	0	0	1	2	0	1	1	4	9	13	3	46	35	14
Dallas	0	0	0	9	5	8	0	4	2	2	0	0	14	14	11
Davis	1	0	0	0	0	0	0	0	0	0	0	0	4	0	2
Decatur*	0	0	0	0	0	1	0	2	2	0	1	0	0	3	4
Delaware	4	12	6	0	0	5	6	1	3	6	1	5	49	40	28
Des Moines	0	0	0	39	7	16	2	1	1	2	0	1	29	12	22
Dickinson*	0	3	4	1	0	6	1	3	3	0	2	1	9	44	25
Dubuque	0	0	0	353	0	0	98	1	2	75	1	1	165	30	42
Emmet	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
Fayette*	0	0	0	3	1	0	1	4	1	4	1	0	48	20	33

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Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1995 (continued).

County	Curfew/Loitering			Disorderly Conduct			Driving Under the Influence			Drunkenness			Liquor Law Violation		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Floyd	0	0	0	4	2	0	8	3	0	5	2	3	14	29	40
Franklin*	0	0	0	15	7	7	1	4	0	6	3	4	26	29	50
Fremont*	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Greene*	0	0	0	0	0	0	0	0	1	0	0	0	1	0	4
Grundy*	0	0	0	0	3	0	0	0	0	2	0	0	0	3	6
Guthrie	0	0	0	0	0	0	2	0	0	0	0	0	3	3	1
Hamilton	0	0	0	17	4	5	2	5	1	1	1	0	55	31	36
Hancock	0	0	11	1	1	0	1	1	2	0	0	0	13	7	18
Hardin	0	8	2	2	3	15	7	1	2	0	2	2	16	20	12
Harrison	0	0	0	0	0	3	0	0	0	0	0	1	7	9	2
Henry	0	0	0	5	6	3	2	0	0	0	3	1	7	11	8
Howard	0	0	0	3	0	0	2	1	1	2	5	0	27	11	8
Humboldt*	0	0	0	0	0	1	0	1	0	2	0	0	3	1	2
Ida	0	0	0	0	0	0	1	1	0	0	2	0	3	19	4
Iowa	0	0	0	0	0	0	1	1	0	1	0	0	11	12	9
Jackson	20	5	0	7	1	1	2	1	0	0	5	4	37	34	99
Jasper	13	0	0	24	14	9	2	6	4	4	3	4	39	24	29
Jefferson	0	0	0	0	1	3	0	1	2	1	0	1	8	22	31
Johnson*	0	6	0	26	30	1	7	11	2	18	10	0	87	79	26
Jones	0	0	0	2	2	2	2	2	2	2	1	2	21	20	34
Keokuk	0	0	0	0	0	0	0	0	0	0	1	0	2	2	1
Kossuth	2	0	0	3	3	1	0	0	1	0	4	2	27	34	9
Lee*	22	65	0	49	51	16	2	6	2	10	14	0	25	60	17
Linn*	0	0	0	4	1	4	6	5	8	1	0	0	14	15	5
Louisa	10	0	0	3	2	4	0	1	0	3	0	2	8	14	13
Lucas	9	0	3	2	8	2	0	2	0	0	2	0	4	17	0
Lyon	1	0	0	0	2	1	4	0	1	0	0	0	87	27	39
Madison	1	0	0	0	0	2	0	1	2	1	0	0	0	2	0
Mahaska	19	8	1	7	10	8	3	2	0	2	3	1	50	24	31
Marion*	0	0	0	1	10	10	4	1	2	1	3	5	10	18	19
Marshall	96	127	81	46	49	47	2	5	5	6	5	6	52	47	65
Mills*	0	0	0	0	0	0	2	1	0	0	0	0	1	0	6
Mitchell	0	0	0	0	0	0	3	0	2	0	2	0	8	20	15

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1995 (continued).

County	Curfew/Loitering			Disorderly Conduct			Driving Under the Influence			Drunkenness			Liquor Law Violation		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Monona	0	0	0	0	0	1	3	0	0	0	0	0	16	21	26
Monroe*	0	0	0	0	0	2	0	1	2	0	1	2	0	5	1
Montgomery*	6	20	20	3	2	7	1	1	1	0	1	0	13	2	18
Muscatine	95	76	61	113	67	71	2	2	4	3	2	1	19	19	18
O'Brien	0	0	0	2	2	1	0	5	2	1	1	2	59	30	36
Osceola	0	0	0	0	5	0	3	2	3	3	0	1	8	15	14
Page	15	0	7	1	4	2	2	5	1	0	5	15	11	11	6
Palo Alto	0	0	0	0	0	1	1	1	3	2	0	0	20	17	16
Plymouth	0	0	0	2	2	1	7	2	3	3	2	4	23	19	33
Pocahontas	0	0	0	1	0	1	1	0	1	0	0	0	0	4	1
Polk	0	0	3	9	2	8	14	10	7	17	28	5	90	125	66
Pottawattamie*	0	0	0	0	0	0	0	1	0	0	0	0	8	5	1
Poweshiek*	0	0	0	0	0	1	1	2	1	0	0	0	3	3	4
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Sac	0	0	5	0	0	0	2	3	1	0	0	1	21	21	31
Scott	151	83	4	82	65	96	8	5	11	17	8	15	172	111	120
Shelby*	0	0	0	0	0	0	1	2	0	0	0	0	12	8	2
Sioux*	2	0	0	1	1	4	3	2	2	0	0	1	19	28	36
Story	0	0	0	6	4	3	2	4	1	9	6	6	70	43	105
Tama*	0	0	0	4	0	5	2	2	2	0	1	4	48	16	28
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0	0	0	0	0	2	0	1	0	0	0	2	1	15	15
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	4	2	8
Wapello	0	0	0	12	3	0	1	1	1	1	1	0	15	6	3
Warren*	0	0	0	4	4	4	0	1	1	6	3	8	10	13	33
Washington*	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Webster	0	0	0	33	6	27	2	3	0	3	0	3	6	2	47
Winnebago	1	0	0	0	3	0	1	1	1	0	3	2	30	13	25
Winneshiek	0	0	5	1	0	6	3	0	3	0	3	3	61	57	48
Woodbury*	223	186	247	215	106	224	16	8	16	17	15	14	142	111	155
Worth	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2
Wright	0	0	0	7	1	0	2	3	1	1	0	1	45	5	8
State of Iowa	780	692	525	1362	722	854	291	181	174	310	217	193	2446	2077	2298

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1995 (continued).

County	Runaway			Trespass			Other Group B Offenses			Total Group B Offenses			Total (A+B) Arrests		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Adair	0	1	0	0	0	0	3	0	0	9	13	8	15	19	11
Adams	0	0	0	0	0	0	6	2	0	20	7	6	40	13	12
Allamakee*	0	0	0	0	0	0	0	0	0	1	3	3	1	3	3
Appanoose	18	27	15	2	4	1	24	13	18	86	99	96	192	162	182
Audubon*	0	0	0	0	0	0	0	0	0	5	1	3	5	1	3
Benton*	0	0	0	0	4	0	2	1	1	24	22	22	66	52	45
Black Hawk	0	0	1	20	25	55	67	28	38	265	247	344	1137	995	681
Boone	13	11	12	3	5	9	23	13	11	135	98	63	229	217	169
Bremer	0	0	2	6	2	0	16	27	10	82	76	34	153	125	76
Buchanan	0	0	0	0	0	0	5	17	20	21	38	49	83	126	145
Buena Vista	0	0	0	5	13	10	5	6	8	96	76	72	222	179	145
Butler	0	0	0	0	0	0	0	0	1	9	10	53	9	10	54
Calhoun	0	0	0	0	1	0	0	0	0	13	7	2	13	9	6
Carroll	0	0	1	1	1	0	6	11	9	62	96	104	134	131	163
Cass	3	2	0	1	0	0	1	2	1	30	23	6	48	65	38
Cedar	0	0	0	0	4	3	4	6	4	22	30	25	65	54	65
Cerro Gordo	36	162	50	10	13	17	37	32	59	182	304	238	751	852	797
Cherokee	0	0	0	2	1	1	3	4	5	37	20	22	148	109	125
Chickasaw	0	0	0	0	1	1	7	4	5	13	30	22	25	39	32
Clarke	2	0	0	2	0	2	6	4	5	19	8	12	35	22	27
Clay	7	2	7	1	3	8	14	21	11	81	81	121	161	95	134
Clayton	0	0	0	0	0	0	3	2	0	23	21	10	35	26	14
Clinton*	22	12	8	1	2	2	13	15	3	73	90	42	129	133	91
Crawford	0	0	0	1	0	0	3	6	0	61	57	21	61	58	22
Dallas	7	22	12	4	8	1	17	8	18	53	61	52	133	186	140
Davis	0	0	0	0	0	0	13	2	2	18	2	4	19	6	18
Decatur*	3	6	1	1	0	0	1	0	6	5	12	14	8	31	27
Delaware	7	5	0	10	5	5	11	10	3	93	74	55	154	159	97
Des Moines	6	0	31	9	8	27	95	4	24	182	32	122	489	97	303
Dickinson*	0	0	0	1	4	0	9	9	0	21	65	39	57	93	61
Dubuque	0	2	4	0	0	1	42	2	0	733	36	50	937	44	63
Emmet	0	0	0	0	0	0	0	0	0	3	0	0	24	9	7
Fayette*	0	0	0	1	3	0	5	3	2	62	32	36	74	44	49

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1995 (continued).

County	Runaway			Trespass			Other Group B Offenses			Total Group B Offenses			Total (A+B) Arrests		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Floyd	0	0	0	0	1	0	9	8	7	40	45	50	162	152	151
Franklin*	0	0	0	9	3	5	9	2	7	66	48	73	145	130	114
Fremont*	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
Greene*	0	0	0	0	0	0	3	0	0	4	0	5	4	0	5
Grundy*	0	0	0	0	0	0	0	1	0	2	7	6	6	19	11
Guthrie	0	0	0	0	0	0	0	0	0	5	3	1	5	3	1
Hamilton	0	0	0	2	1	0	5	4	6	82	46	48	210	118	163
Hancock	6	0	0	4	0	10	4	1	20	29	10	61	53	23	98
Hardin	10	11	11	16	11	28	5	19	15	56	75	87	114	160	209
Harrison	0	0	0	2	1	0	0	0	0	9	10	6	13	17	16
Henry	0	0	0	14	10	16	16	50	18	44	80	46	151	160	136
Howard	0	0	1	3	0	0	0	1	0	37	18	10	67	62	24
Humboldt*	0	1	0	1	0	0	1	0	0	7	3	3	10	5	3
Ida	0	0	0	0	0	0	0	2	0	4	24	4	4	24	4
Iowa	0	0	0	0	0	0	2	0	0	15	13	9	38	25	12
Jackson	0	0	0	14	0	0	30	4	11	110	50	115	197	114	154
Jasper	0	0	0	0	0	0	18	21	30	100	68	76	230	151	124
Jefferson	0	5	1	0	1	11	2	5	3	11	35	52	51	69	94
Johnson*	2	9	0	8	7	0	61	29	4	209	181	33	713	741	82
Jones	0	0	0	2	0	1	0	4	1	29	29	42	53	58	85
Keokuk	0	9	4	0	0	0	0	2	3	2	14	8	3	19	22
Kossuth	3	2	1	4	4	1	9	20	7	48	67	22	97	129	67
Lee*	10	53	0	18	29	18	25	26	5	161	304	58	323	566	200
Linn*	0	4	0	12	4	2	13	14	5	50	43	24	275	270	136
Louisa	0	0	6	3	4	4	2	2	3	29	23	32	32	57	71
Lucas	0	0	0	0	2	5	0	1	0	15	32	10	68	76	16
Lyon	0	0	1	10	2	7	12	8	5	114	39	54	129	51	83
Madison	0	1	0	0	0	0	0	0	0	2	4	4	5	4	7
Mahaska	10	7	11	5	0	5	15	8	2	111	62	59	237	131	154
Marion*	0	9	13	1	4	5	13	30	3	30	75	57	66	104	95
Marshall	34	39	52	30	18	25	93	45	40	359	335	321	638	623	576
Mills*	1	2	0	0	0	0	0	0	0	4	3	6	4	3	6
Mitchell	0	0	1	0	0	0	0	3	2	11	25	20	44	41	38

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa Counties, 1993-1995 (continued).

County	Runaway			Trespass			Other Group B Offenses			Total Group B Offenses			Total (A+B) Arrests		
	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993	1995	1994	1993
Monona	0	0	0	0	0	0	7	2	4	26	23	31	29	29	46
Monroe*	0	0	0	0	0	0	1	2	5	1	9	12	3	11	14
Montgomery*	25	24	27	1	3	3	8	4	14	57	57	90	139	134	182
Muscatine	50	54	31	19	18	1	48	38	28	349	276	215	817	726	578
O'Brien	4	6	8	0	0	0	11	11	12	77	55	61	148	119	133
Osceola	0	0	0	0	1	2	20	8	9	34	31	29	52	74	54
Page	12	3	2	5	0	2	4	2	8	50	30	43	97	77	82
Palo Alto	1	0	2	0	1	0	0	0	5	24	19	27	57	28	46
Plymouth	12	18	5	2	2	0	6	2	7	55	47	53	115	88	87
Pocahontas	0	0	0	0	0	0	0	1	6	2	5	9	10	12	16
Polk	90	50	49	17	8	26	66	107	51	303	330	215	937	939	541
Pottawattamie*	6	1	1	0	2	2	0	0	0	14	9	4	22	27	20
Poweshiek*	7	20	8	2	0	1	1	0	0	14	25	15	25	25	24
Ringgold	0	0	0	0	0	0	0	0	1	0	2	2	2	2	2
Sac	0	0	0	0	2	0	0	3	6	23	29	44	24	35	55
Scott	166	137	165	73	48	96	334	271	192	1003	728	699	2720	2432	2246
Shelby*	0	0	0	0	0	0	4	0	0	17	10	2	50	10	2
Sioux*	5	2	0	0	0	0	7	17	11	37	50	54	87	79	98
Story	10	3	10	7	10	14	105	79	40	209	149	179	475	352	408
Tama*	0	0	0	3	8	0	0	1	3	57	28	42	107	71	73
Taylor	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
Union*	0	0	0	0	1	9	0	0	0	1	17	28	5	52	76
Van Buren	0	0	0	0	0	0	0	0	0	4	2	8	4	3	24
Wapello	2	10	0	11	15	3	22	8	0	64	44	7	199	184	39
Warren*	3	2	4	10	8	5	6	14	17	39	45	72	185	189	197
Washington*	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Wayne	0	0	0	0	0	0	1	0	0	2	0	0	4	0	0
Webster	0	1	84	0	0	0	24	2	15	68	14	176	218	46	305
Winnebago	1	0	2	0	2	1	10	4	1	43	26	32	63	102	74
Winneshiek	2	2	13	0	1	2	7	12	13	74	75	93	128	106	155
Woodbury*	18	6	7	57	33	32	302	218	199	990	683	894	2389	2224	2518
Worth	2	1	0	0	0	0	3	0	2	9	3	4	14	9	7
Wright	0	0	0	2	2	3	17	1	0	74	12	13	108	41	36
State of Iowa	616	744	665	448	374	488	1802	1369	1110	8055	6376	6307	19033	16496	14902

*While underreporting could occur in any county, either reports were not received or insufficient data were provided in these counties in 1995.

Information is available on specific Group A crimes as well as the total. Each of the seven 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 1995. 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 40.3 percent (4,419) of the total arrests of juveniles for Group A crimes in 1995. Only simple assault and vandalism of property also had at least 1,000 arrests of juveniles. These three most frequently reported arrest categories constituted two-thirds (67.1%) of the juvenile arrests in 1995.

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 8,055 in 1995 (Table 2).

In 1995, three counties (Dubuque, Scott, Woodbury) had at least 500 arrests for Group B crimes. Fremont, Ringgold, and Taylor reported no arrests of juveniles for Group B crimes in 1995, 22 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 (37.8%) of the total arrests for Group B crimes in 1995. Disorderly conduct was the only specific offense other than liquor law violations to lead to at least 1,000 arrests.

Total Arrests

When arrests of juveniles for Group A and Group B crimes are added, more than 19,000 occurred in 1995 (Table 2). Three counties (Black Hawk, Scott, Woodbury) reported at least 1,000 arrests and another six (Cerro Gordo, Dubuque, Johnson, Marshall, Muscatine, Polk) 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.

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

County Data Books

Eight 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. The most recent volume is available for \$30.00; call for information on whether previous editions (1989-1995) remain in stock.

Other Reports or Series Publications

The first three in a series of reports on selected aspects of Iowa's population were released recently. 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.

Age 65 or Older Population (1990) and Estimates (1995) for Iowa Counties. CS96-3. 2 pages.
 Population (1990) and Population Estimates (1991-1995) for Iowa Counties. CS96-2. 4 pages.
 Population Counts for Iowa and Other States: 1890-1990 Censuses and 1991-1995 Estimates. CS96-1. 2 pages.
 Population (1850-1990) and Population Estimates (1994) for Incorporated Places in Iowa. CS95-4. 21 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.
 Age Categories (1960-1990), Estimates (1991-1992), and Projections (2000-2010) for Iowa. CS94-4. 2 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) 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.

"Vintage" Publications

Some older publications developed by Census Services are available through Publications Distribution, 112 Printing and Publications Building, Iowa State University, Ames, IA 50011. A list of all extension publications, including those from Census Services from 1990 or earlier, is available at extension offices located in each county in Iowa.

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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