

Valuation of Permit Authorized Residential Housing Units in Iowa's Counties: 1990-1999

Area	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Adair	598,117	278,642	360,000	691,508	668,000	1,501,200	1,083,844	1,837,557	1,372,944	2,153,175
Adams	100,000	0	0	135,000	197,000	120,000	843,200	466,206	665,000	355,000
Allamakee	920,000	765,000	2,246,000	1,886,339	1,690,700	1,172,500	2,503,500	3,705,000	280,500	4,228,000
Appanoose	69,500	390,500	414,430	382,150	604,800	494,278	2,476,000	469,500	545,000	773,000
Audubon	0	210,000	151,000	203,900	105,000	394,350	1,125,000	956,000	920,000	497,000
Benton	1,393,202	2,154,968	1,891,403	4,653,305	9,260,310	9,349,171	10,625,270	9,950,909	14,882,559	12,420,921
Black Hawk	15,755,554	18,907,029	19,234,584	21,394,919	22,770,161	21,057,048	25,561,964	20,807,533	29,942,263	32,119,774
Boone	1,984,800	2,347,400	2,375,100	4,109,200	5,960,350	7,543,932	10,206,451	12,506,052	14,404,164	10,326,490
Bremer	4,837,136	4,911,372	6,258,636	5,148,285	6,836,568	7,334,247	8,913,324	8,692,582	9,035,852	10,514,382
Buchanan	1,040,500	1,349,756	2,031,500	1,532,710	4,378,865	1,611,745	1,434,150	2,510,539	2,179,026	4,625,291
Buena Vista	2,523,000	1,883,800	3,081,100	2,010,252	2,303,395	4,254,166	4,590,987	5,604,722	2,421,769	4,695,051
Butler	596,234	1,441,460	2,114,217	1,150,635	2,511,304	1,729,060	1,391,353	2,015,933	2,409,949	4,036,510
Calhoun	1,157,000	495,500	1,489,062	1,580,500	1,821,871	1,812,620	375,000	1,294,047	336,032	1,537,725
Carroll	4,786,054	3,851,426	6,496,459	7,898,922	7,527,601	6,401,765	8,564,591	12,725,281	9,816,219	11,654,173
Cass	908,134	1,036,742	338,031	739,000	1,084,666	1,612,060	3,317,500	5,542,349	3,309,205	1,008,900
Cedar	848,000	2,043,775	2,392,332	2,461,554	3,405,000	4,585,000	7,800,820	4,731,200	5,317,029	5,959,500
Cerro Gordo	6,578,468	5,005,772	8,344,586	6,548,177	9,243,025	6,436,563	12,354,060	12,412,234	16,001,147	9,788,155
Cherokee	583,080	917,000	1,226,248	1,740,128	990,700	2,981,000	1,657,000	1,358,660	4,240,000	1,038,000
Chickasaw	251,132	1,473,938	3,048,800	1,648,440	1,864,700	2,059,456	4,004,257	1,612,166	2,372,100	2,425,375
Clarke	1,260,000	379,070	200,000	1,083,836	0	0	2,679,055	2,185,800	4,957,000	2,050,000
Clay	3,100,000	1,321,000	1,429,191	2,563,273	3,496,800	2,923,571	2,241,500	2,920,213	5,410,000	7,407,000
Clayton	1,602,717	1,819,500	1,830,500	4,025,800	3,366,000	4,431,000	3,613,500	2,026,395	4,179,000	4,373,425
Clinton	6,134,970	4,826,000	7,557,762	8,246,800	7,542,500	7,706,920	15,607,840	8,787,800	10,499,300	14,805,524
Crawford	216,000	747,000	2,473,000	1,378,627	777,500	1,446,325	1,826,779	2,909,000	1,566,815	3,502,000
Dallas	13,780,613	16,458,927	27,583,632	24,252,851	20,874,807	15,316,842	22,082,923	26,270,759	34,477,655	52,720,133
Davis	85,000	376,214	714,000	227,000	1,085,278	45,000	200,000	265,000	725,000	430,000
Decatur	214,000	100,000	553,000	483,650	700,000	525,000	560,000	893,000	1,165,000	1,886,543
Delaware	2,027,500	2,549,748	2,020,000	2,199,320	3,309,450	2,328,190	3,118,158	1,660,349	2,335,160	2,886,725
Des Moines	2,667,182	4,320,300	3,697,353	4,328,000	9,131,000	6,117,233	5,879,457	5,173,781	8,767,934	4,934,441
Dickinson	6,019,819	8,600,326	17,802,464	17,808,354	11,028,906	10,973,572	14,383,830	16,232,508	15,518,675	20,245,998
Dubuque	26,183,778	24,625,256	37,813,190	36,553,874	35,260,888	38,277,774	33,440,481	30,556,004	43,020,228	42,550,130
Emmet	83,117	263,642	578,093	1,038,781	1,225,678	3,102,720	1,184,696	1,415,191	1,170,760	1,242,075
Fayette	1,087,000	743,000	1,102,000	1,343,800	2,112,000	1,988,860	1,476,000	2,658,047	4,480,096	3,702,175
Floyd	1,149,500	918,582	848,200	644,200	1,284,570	2,421,800	3,255,056	2,596,813	4,044,460	4,435,039
Franklin	300,000	715,000	233,000	299,000	477,000	626,000	659,446	369,000	866,600	691,500
Fremont	84,000	180,000	190,000	205,000	421,000	273,000	778,500	710,000	1,479,960	583,000
Greene	379,000	2,761,000	1,236,052	1,130,000	2,154,242	4,389,420	2,954,320	2,010,000	1,475,000	2,413,000
Grundy	586,000	741,500	866,300	1,509,222	1,207,989	1,886,600	1,930,136	1,404,500	4,356,565	3,539,324
Guthrie	1,862,865	3,384,500	4,410,000	1,573,000	2,875,000	3,925,000	4,608,200	5,744,500	3,770,000	7,051,000
Hamilton	731,000	518,500	619,978	983,247	2,687,900	2,389,758	2,018,285	2,413,474	4,387,358	1,984,600
Hancock	610,000	970,000	840,000	856,000	1,834,000	1,063,000	1,909,755	2,018,000	2,274,000	2,425,000
Hardin	457,620	364,227	919,500	2,576,627	2,500,000	2,744,000	2,486,568	1,452,000	2,871,500	3,334,000
Harrison	689,000	1,090,000	1,411,925	2,567,000	4,825,500	5,011,377	6,298,379	5,676,698	6,650,675	11,095,800
Henry	3,448,982	3,282,918	2,831,048	3,577,278	4,223,969	2,954,775	5,174,617	6,951,148	7,632,782	8,015,926
Howard	648,800	838,000	365,000	1,284,350	1,443,968	692,000	1,163,500	1,154,000	1,647,500	1,120,000
Humboldt	1,034,000	728,075	954,500	748,127	1,305,636	1,001,464	1,413,000	2,808,500	3,041,000	3,348,247
Ida	749,345	349,856	662,217	1,339,143	935,710	330,884	256,137	423,047	357,064	490,175
Iowa	524,159	1,293,838	2,052,516	1,805,106	2,485,756	1,729,856	2,565,815	1,620,064	1,348,724	3,578,853
Jackson	1,033,686	2,420,138	3,438,362	3,760,986	4,771,490	4,472,320	5,785,427	3,774,074	4,442,154	6,945,125
Jasper	4,775,251	12,054,781	6,655,390	7,347,967	11,809,482	8,746,251	10,705,651	16,585,197	18,374,925	14,625,249
Jefferson	795,000	1,353,925	2,041,000	2,795,000	2,521,657	2,961,000	1,943,300	4,751,722	4,399,736	7,589,800
Johnson	47,680,173	54,137,277	70,284,668	88,593,738	101,982,739	110,837,024	78,639,163	78,433,269	93,272,069	113,173,399
Jones	837,500	1,207,000	2,112,400	2,158,000	1,972,000	1,491,186	3,882,315	3,749,500	2,134,000	2,123,000
Keokuk	213,117	466,214	367,093	299,627	1,031,852	1,220,700	871,379	640,698	326,032	1,229,000
Kossuth	264,000	914,480	706,000	1,943,984	1,739,000	1,805,404	1,531,879	2,751,000	3,012,100	2,797,725
Lee	882,991	1,214,814	1,874,593	2,008,822	2,037,392	2,967,158	2,419,285	1,941,636	4,686,833	2,274,725
Linn	43,796,796	59,454,099	79,108,867	87,852,555	81,677,259	82,885,492	85,260,563	81,376,284	104,692,764	120,476,748
Louisa	1,281,819	768,853	1,590,527	237,500	668,500	716,000	633,000	990,000	966,000	3,083,500
Lucas	286,000	56,000	276,000	57,000	200,000	310,000	315,000	104,000	1,214,000	565,000
Lyon	720,585	927,284	1,217,078	2,212,954	3,865,280	2,507,680	1,841,645	2,789,094	2,841,192	3,901,000
Madison	1,159,060	3,740,428	3,290,340	4,919,315	8,045,920	5,539,500	4,676,977	8,414,903	10,087,267	14,316,595
Mahaska	1,501,017	1,891,642	1,960,500	3,539,000	2,900,000	2,713,000	4,249,194	4,689,000	5,805,540	5,167,000

Valuation of Permit Authorized Residential Housing Units in Iowa's Counties: 1990-1999

Area	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Marion	3,165,400	5,467,108	7,365,024	15,145,351	15,843,726	10,560,060	15,985,768	18,204,619	20,833,187	31,104,315
Marshall	3,014,000	3,482,317	4,515,062	6,727,654	4,638,600	4,661,232	4,213,379	8,090,247	8,644,000	7,883,450
Mills	270,400	1,230,864	1,646,600	737,000	3,017,002	1,801,728	1,760,400	2,648,000	2,163,022	1,705,628
Mitchell	570,000	888,600	1,437,150	1,084,500	1,434,700	2,715,000	1,390,000	1,172,100	1,509,956	1,090,000
Monona	644,000	1,031,214	1,592,000	1,122,127	2,818,742	1,691,700	1,352,137	3,607,955	3,458,990	4,168,000
Monroe	305,000	774,784	1,391,746	519,000	960,402	1,127,980	933,716	948,561	929,160	1,918,425
Montgomery	551,000	706,733	1,737,925	2,365,488	2,114,500	739,827	1,265,000	1,988,000	1,349,400	1,841,000
Muscatine	5,219,177	5,277,420	7,926,701	7,729,668	9,310,943	9,559,612	14,111,749	9,902,853	11,968,342	11,759,679
O'Brien	2,255,600	1,893,037	2,556,000	2,932,500	2,345,000	3,020,000	3,652,500	3,574,000	6,056,900	2,099,000
Osceola	238,000	711,000	665,000	482,000	1,023,000	512,620	827,379	708,000	877,032	1,685,648
Page	944,849	679,428	1,641,500	1,126,754	1,936,684	4,797,400	2,562,100	1,073,800	2,176,064	843,000
Palo Alto	265,214	149,500	387,754	0	721,194	610,000	1,845,536	1,112,348	2,057,890	1,970,942
Plymouth	4,119,585	7,072,364	7,419,893	11,088,591	10,542,676	7,488,860	12,491,914	14,702,349	16,358,096	12,925,400
Pocahontas	313,000	80,000	574,000	280,000	715,000	280,800	628,264	1,291,000	380,100	1,571,000
Polk	154,468,946	167,052,060	246,071,767	250,810,662	294,537,970	271,966,886	288,437,183	244,114,681	357,764,694	355,493,307
Pottawattamie	12,098,114	10,294,700	16,543,900	22,460,386	18,975,746	29,791,499	33,950,373	41,149,752	57,955,674	40,317,834
Poweshiek	2,635,368	2,935,352	2,751,423	3,826,994	3,884,993	3,651,853	5,014,095	6,431,894	8,439,131	8,713,610
Ringgold	85,000	70,000	195,000	313,000	400,000	464,000	302,400	682,000	271,000	0
Sac	0	138,000	460,000	862,381	918,000	818,240	1,430,000	965,000	1,770,880	1,327,000
Scott	45,816,018	49,598,054	51,742,700	59,686,300	46,642,162	46,517,764	54,465,361	67,928,511	76,384,384	85,300,469
Shelby	889,000	1,358,500	739,499	1,957,000	1,846,285	793,480	1,343,037	1,330,000	990,000	3,143,125
Sioux	6,054,400	8,127,777	6,996,585	7,633,995	11,623,349	7,217,971	8,923,991	8,467,816	8,957,269	10,282,005
Story	17,127,120	19,754,133	26,657,265	31,059,507	29,734,208	27,723,430	28,622,361	41,889,371	48,255,327	53,015,340
Tama	1,409,100	1,656,214	2,568,031	2,623,300	2,610,500	1,637,480	2,141,000	1,447,075	2,837,399	3,294,300
Taylor	50,000	622,000	215,000	0	160,000	434,600	620,000	534,000	725,000	245,000
Union	135,000	1,462,700	215,000	229,000	709,962	703,455	1,485,330	300,000	703,500	361,500
Van Buren	460,000	310,000	230,000	178,000	459,000	464,500	563,000	340,000	355,000	581,000
Wapello	1,458,150	2,872,300	2,711,796	3,605,265	4,987,613	7,213,787	6,445,219	3,445,168	2,610,140	5,327,003
Warren	17,974,338	13,819,044	20,096,308	20,840,014	21,694,855	29,372,037	37,962,627	13,670,822	18,280,000	29,161,839
Washington	2,473,000	3,147,900	7,794,200	3,630,500	4,508,750	3,167,500	3,108,000	2,186,000	6,733,802	2,799,000
Wayne	0	80,000	0	85,000	195,000	233,000	80,000	0	360,000	0
Webster	2,077,517	3,245,028	4,157,800	2,812,850	3,432,570	6,751,916	7,270,495	5,254,500	7,836,992	7,552,591
Winnebago	900,000	1,729,580	622,231	1,172,127	1,077,142	656,120	1,039,000	1,046,000	2,446,000	6,015,172
Winneshiak	2,651,500	2,741,742	4,230,593	3,006,254	2,792,226	4,392,620	7,377,758	6,791,396	19,360,326	6,130,200
Woodbury	7,335,378	6,078,621	19,721,008	19,647,343	34,923,443	21,775,757	23,853,534	22,567,147	18,795,652	22,048,892
Worth	244,256	562,428	607,000	1,351,890	155,000	512,000	1,060,000	300,000	409,000	668,000
Wright	588,500	1,120,500	746,500	1,880,000	964,500	2,282,000	1,846,800	813,000	1,860,942	4,340,250

Note: Statistics on construction authorized by building permits are based upon reports submitted by local building permit officials in response to a mail survey using Form C-404, "Report of Building or Zoning Permits Issued and Local Public Construction". Annual statistics are not based upon a sample, but are obtained by cumulating data for all places in the county, both monthly and annual reporters.

Limitations of the Data: Although these statistics are not subject to sampling variability, they are subject to various response and operational errors which can be attributed to many sources: inability to obtain information about all cases, differences in interpretation of questions, inability or unwillingness of respondents to provide correct information and errors made in processing the data. Explicit measures of the effects of these errors are not available. Other limitations of the data: (1) For the nation as a whole, less than 5 percent of all privately owned housing units built are constructed in areas that do not require building permits. (2) Some building permit jurisdictions close their books a few days before the end of the years, so that the time reference for permits is not, in all cases, strictly the calendar year. (3) A study spanning 4 years showed that about 3 percent of the single-family houses built in permit-issuing places are built without a permit.

Warning: If an incorporated place crosses county lines, all permits for that place are allocated to only one county. For example, all permits issued by the city of West Des Moines are allocated to Polk County; none are allocated to Dallas County. The data in this table are reported data only, i.e., when a report is not received from a jurisdiction, the missing data are not included in this table. Building permit data reported on web sites for the U.S. Census Bureau (<http://www.census.gov/const/www/C40/table2.html#annual>) and HUD (<http://socds.huduser.org/permits/>) may include imputed data. Imputations are based on the assumption that the ratio of a missing year's authorizations to those of a year ago should be the same for both respondents and non-respondents. For more information about imputation techniques, see <http://www.census.gov/const/C40/Sample/impute.pdf>.

Valuation of Permit Authorized Residential Housing Units in Iowa's Counties: 1990-1999

Area	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
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Source: U.S. Bureau of the Census, Manufacturing, Mining and Construction Division;
1999 Building Permits - Diskette "Permit Authorized Construction in Permit-Issuing Places by State and County" (Reported Only Units)
1990-1998 Annual Published Listing: "State/County Permit Authorized Construction in Permit Issuing Places"
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<http://www.iowadatacenter.org>