

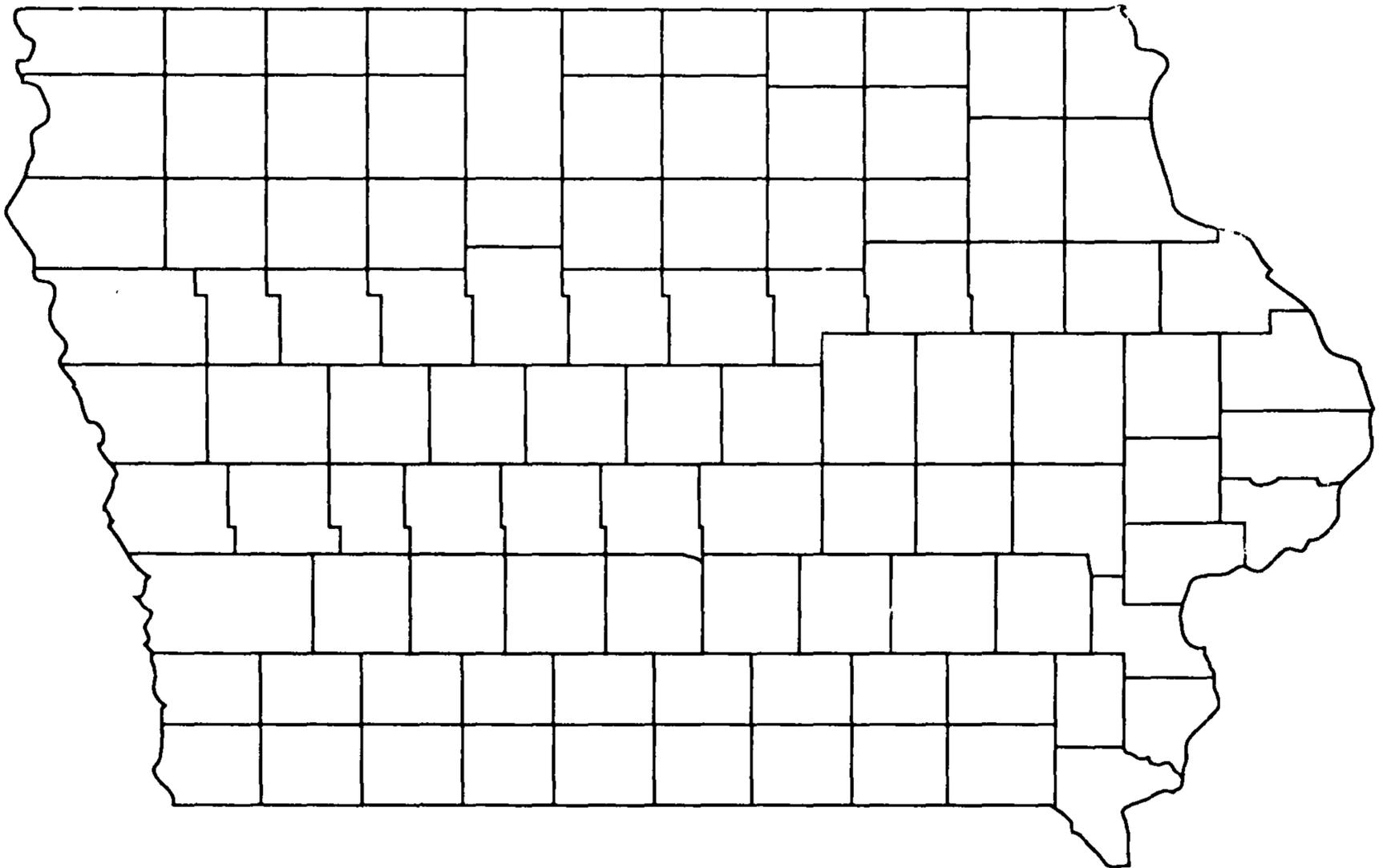
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Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

1992 Edition



Willis Goudy and Sandra Charvat Burke
Census Services
Department of Sociology
Iowa State University
Ames, IA 50011

October, 1992



Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

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Introduction

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

Census Services at Iowa State University has disseminated data from a variety of sources since 1983. We began publishing reports based on the data from the 1980 and earlier censuses. Because of requests for information not included in the decennial censuses, we started to work with data from other state and federal agencies. In this volume, we have gathered data 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 two years of the 1990s for the most part, although one section traces population back to 1850 while another projects it to 2010. 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 several socioeconomic and housing items from the 1990 census plus data on urban, rural, and farm populations. To provide an indication of change, we added data from previous censuses for these factors. Additional information for 1990 is available through ISU Extension offices in each county. We provided each one with 21 pages that included all data reported for that county by the U.S. Bureau of the Census on the initial summary data tapes (1A, 3A) that the bureau provided. These offices have similar census profiles for incorporated places in their counties.

Each data set in this volume is accompanied by a commentary that provides a brief analysis of trends. We've added graphics this year that 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.

This is the fourth edition of this volume. We've added to the section on social statistics this year with the inclusion of data on infant mortality. We're confident that readers will find sources of data on Iowa's counties that they haven't seen previously. But we had to delete selected reports that we included last year because of space limitations; likewise, we will not be able to include everything we printed this year in the 1993 edition. Some items will return in later years when new data become available. 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 that we've included have never been published in one source; indeed, many have never 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. There are from 600 to 18,500 numbers in each of the reports in this volume; indeed, there are more than 142,000 numbers in the tables. Although they 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 320 East Hall, Department of Sociology, Iowa State University, Ames, IA 50011. We can be reached at 515-294-8337 or 515-294-9307.

Historical Trends of the Population in Iowa's Counties:

1850-1990

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

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	22879	22851	24080	23156	25177	24178	24888	22454	8496	672
Black Hawk	123798	137961	132916	122482	100448	79946	69146	56570	44865	32399	24219	23913	21706	8244	135
Boone	25186	26184	26470	28037	28139	29782	29271	29892	27626	28200	23772	20838	14584	4232	735
Bremer	22813	24820	22737	21108	18884	17932	17046	16728	15843	16305	14630	14081	12528	4915	0
Buchanan	20844	22900	21762	22293	21927	20991	19550	19890	19748	21427	18997	18546	17034	7906	517
Buena Vista	19965	20774	20693	21189	21113	19838	18667	18556	15981	16975	13548	7537	1585	57	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	17381	18635	17655	17791	16910	16884	16760	17560	17765	19371	18253	18936	19731	12949	3941
Cerro Gordo	46733	48458	49223	49894	46053	43845	38476	34675	25011	20672	14864	11461	4722	940	0
Cherokee	14098	16238	17269	18598	19052	19258	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	10233	10384	10506	10736	12440	11332	11513	8735	5427	79
Clay	17585	19576	18464	18504	18103	17762	16107	15660	12766	13401	9309	4248	1523	52	0
Clayton	19054	21098	20606	21962	22522	24334	24559	25032	25576	27750	26733	28829	27771	20728	3873
Clinton	51040	57122	56749	55060	49664	44722	44377	43371	45394	43832	41199	36763	35357	18938	2822
Crawford	16775	18935	19116	18569	19741	20538	21028	20614	20041	21685	18894	12413	2530	383	0
Dallas	29755	29513	26085	24123	23661	24649	25493	25120	23628	23058	20479	18746	12019	5244	854
Davis	8312	9104	8207	9199	9959	11136	11150	12574	13315	15620	15258	16468	15565	13764	7264
Decatur	8338	9794	9737	10539	12601	14012	14903	16566	16347	18115	15643	15336	12018	8677	965
Delaware	18035	18933	18770	18483	17734	18487	18122	18183	17888	19185	17349	17950	17432	11024	1759
Des Moines	42614	46203	46982	44605	42056	36804	38162	35520	36145	35989	35324	33099	27256	19611	12988
Dickinson	14909	15629	12565	12574	12756	12185	10982	10241	8137	7995	4328	1901	1389	180	0
Dubuque	86403	93745	90609	80048	71337	63768	61214	58262	57450	56403	49848	42996	38969	31164	10841
Emmet	11569	13336	14009	14871	14102	13406	12856	12627	9816	9936	4274	1550	1392	105	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	21513	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	150979	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	2776755	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	-1254	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	-1354	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	-9043	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	-137053	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	471	2.8	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	-3159	-12.8	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	50281	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	155682	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 (+28,314) 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 more than 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 1. Population in Iowa, 1850-1990.

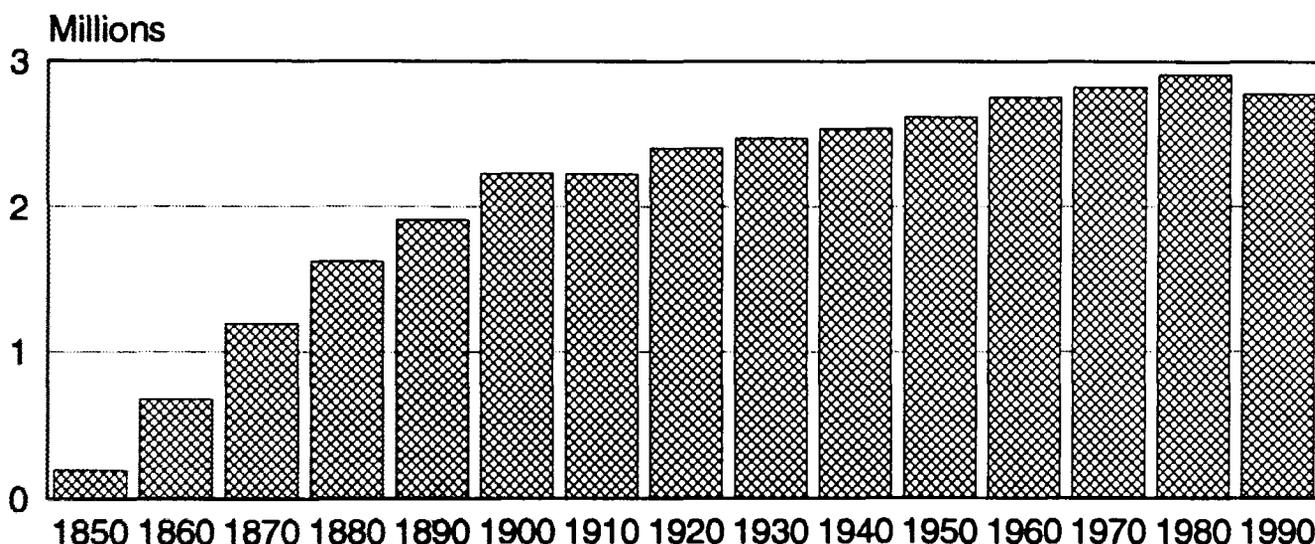


Figure 2. Historical population peaks, 1850-1990.

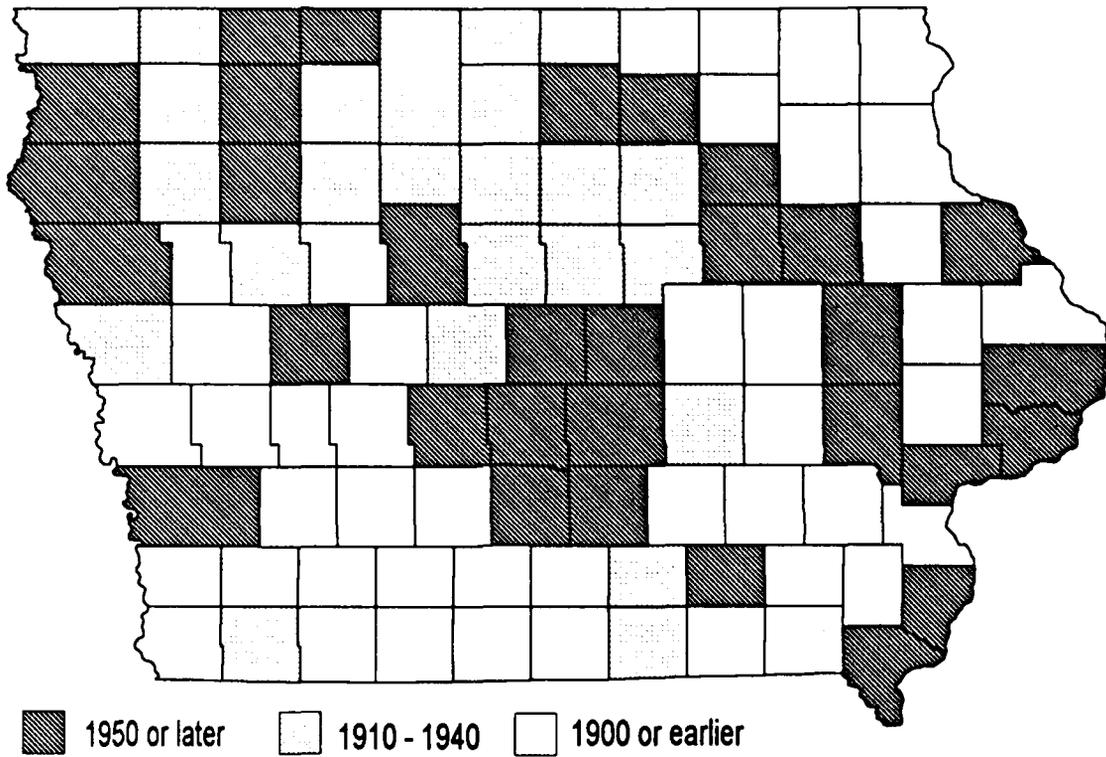


Figure 3. Population change, 1980-1990.

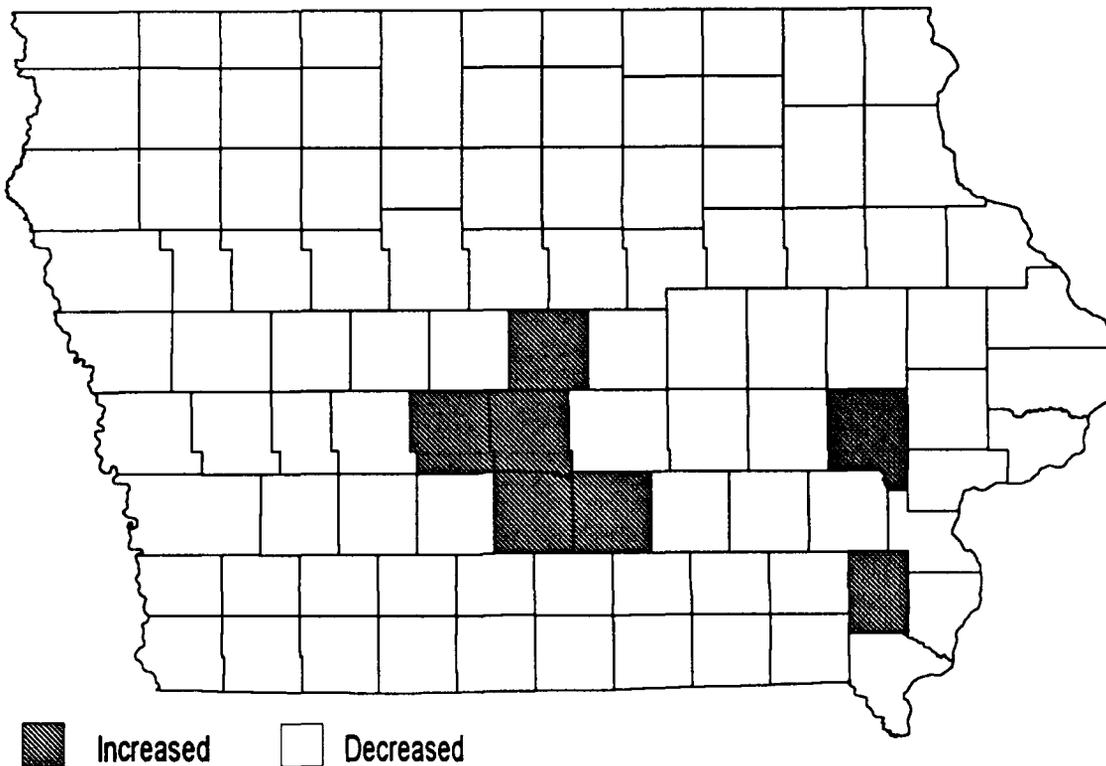


Figure 4. Percent increase, 1980-1990.

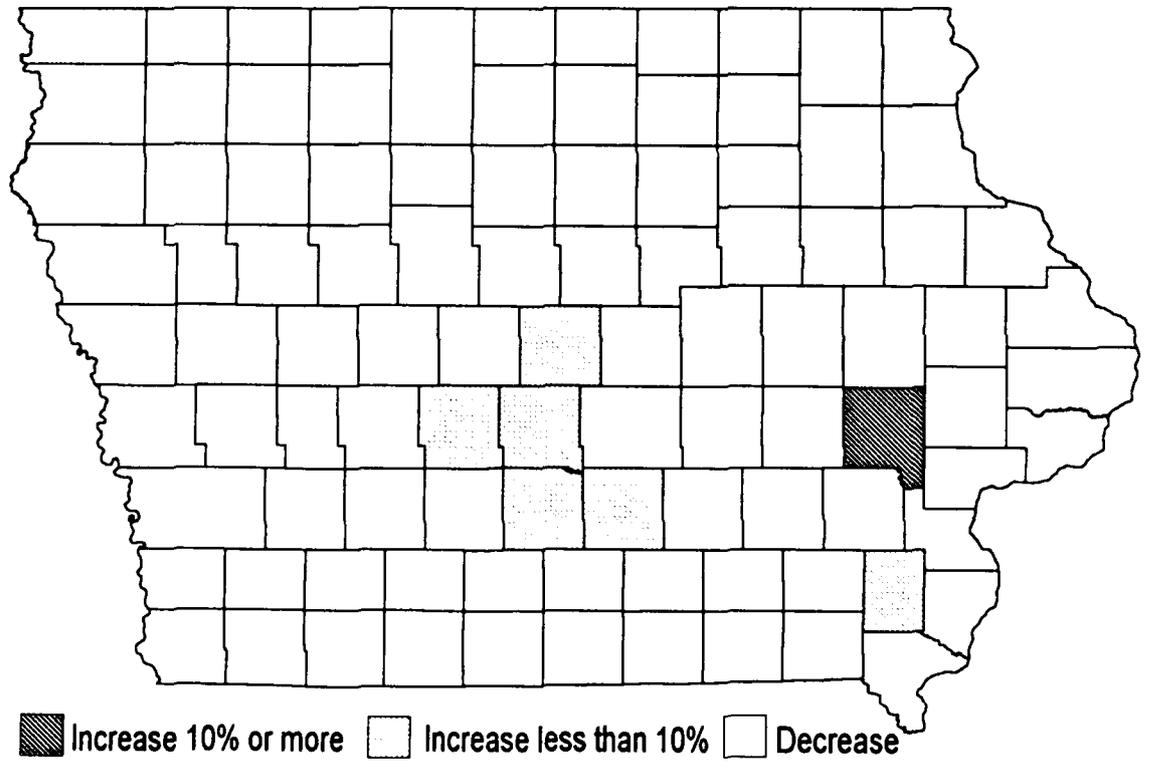
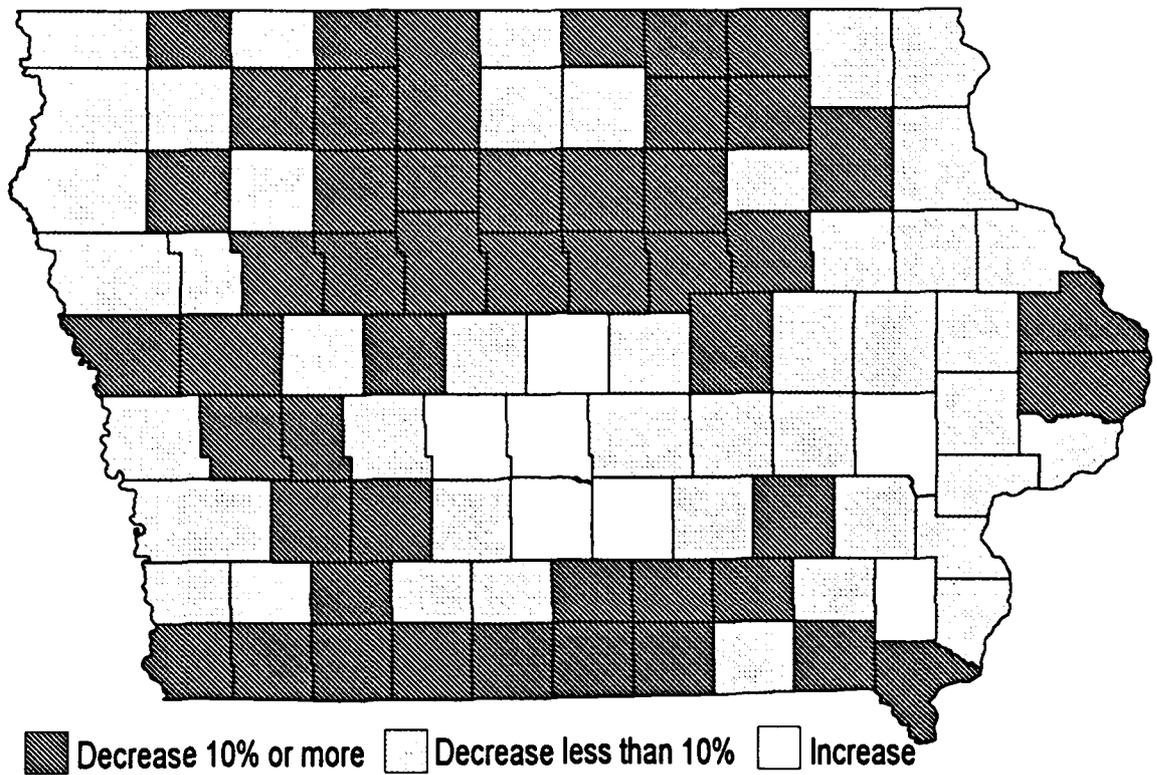


Figure 5. Percent decrease, 1980-1990.



Projected Population in Iowa's Counties: 2000-2010

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 1992, Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009), also provided projections to 2010. 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 data 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 2,858,000 to 2,965,000; the more recent the projection, the lower the figure. The two projections that are available for 2010 differ by only 6,000, with the Woods and Poole (2,936,000) projection higher than that from the Iowa Department of Transportation (2,930,000).

Using the new 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). But the most recent projections from Woods and Poole indicate that only 45 will gain while 54 will decline in population this decade. Both projections available for 2010 predict that more counties will decrease than increase during the first decade of the next century, with 54 (Woods and Poole) to 58 (Iowa Department of Transportation) counties projected to decline even though the state's total population is expected to increase.

Note: Caution is urged in examining population projections. Assumptions underlying the three sets reported here vary substantially. 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.

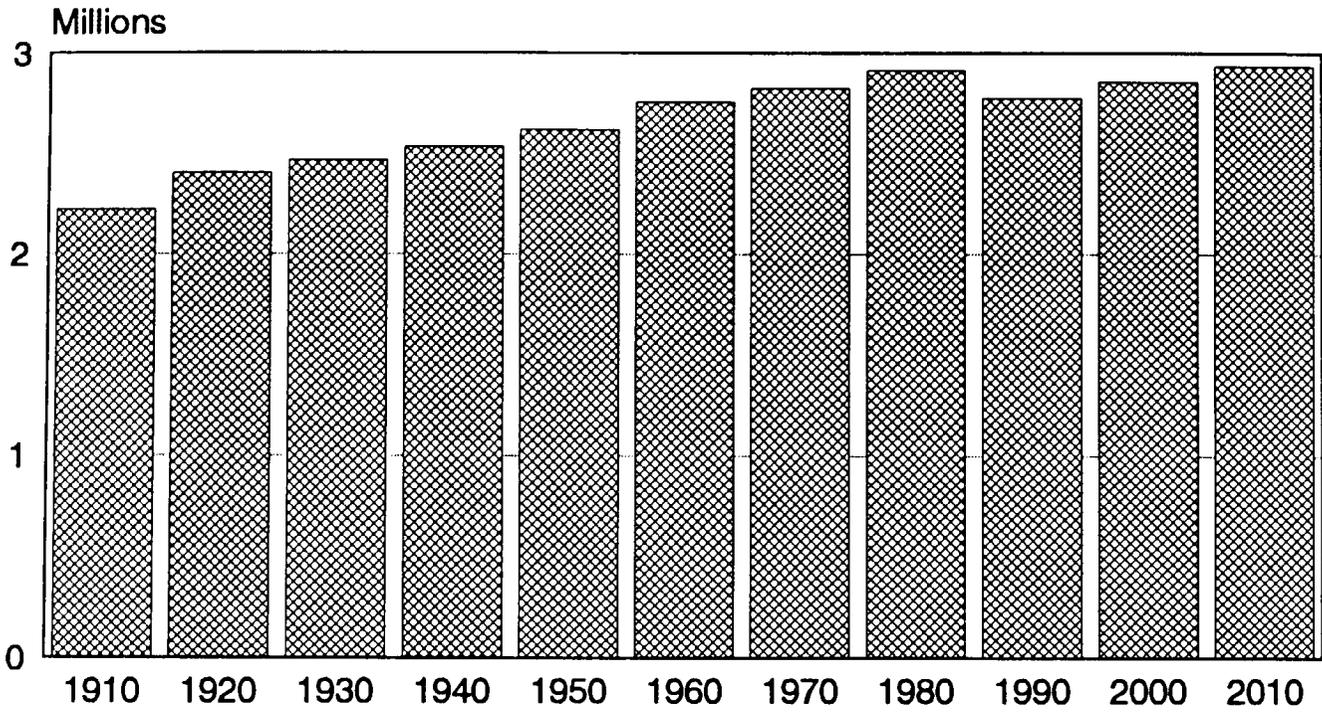
Table 1. Residents, 1990, and Projected Residents, 2000-2010, in Iowa Counties.

County	Census	State Demographer	Iowa Dept. of Transportation		Woods and Poole Economics	
	1990	2000	2000	2010	2000	2010
Adair	8409	8300	8240	7750	8520	8630
Adams	4866	5200	5030	4750	4730	4600
Allamakee	13855	15000	17760	19420	14010	14160
Appanoose	13743	14400	13290	12410	13530	13310
Audubon	7334	8100	7460	7020	7290	7260
Benton	22429	22400	23040	22940	23300	24100
Black Hawk	123798	139400	120620	113790	125410	126850
Boone	25186	25500	24730	24250	25280	25310
Bremer	22813	25600	27270	28830	22620	22440
Buchanan	20844	25000	26260	28360	20200	19550
Buena Vista	19965	21600	20370	20340	19860	19710
Butler	15731	17000	17990	18310	14840	14010
Calhoun	11508	12400	11180	10240	10900	10300
Carroll	21423	23900	24350	25300	20490	19550
Cass	15128	17500	16170	15940	15060	15010
Cedar	17381	18000	20380	21510	18150	18880
Cerro Gordo	46733	47400	47430	47340	45350	43940
Cherokee	14098	15300	14670	14070	13990	13910
Chickasaw	13295	15000	16640	17440	13040	12820
Clarke	8287	10000	9270	9710	8680	9060
Clay	17585	18000	16850	15770	17810	18000
Clayton	19054	21200	23520	25060	19150	19260
Clinton	51040	57400	50760	48270	50650	50200
Crawford	16775	21200	21570	23230	16720	16690
Dallas	29755	28900	33450	35930	31280	32700
Davis	8312	10400	10250	10970	8220	8130
Decatur	8338	8600	7550	6680	8370	8410
Delaware	18035	20400	24370	27900	18290	18550
Des Moines	42614	43300	41470	39640	42320	41930
Dickinson	14909	15800	15230	15170	17130	19160
Dubuque	86403	92300	93870	94770	86890	87250
Emmet	11569	13400	10640	9590	11120	10670
Fayette	21843	23900	23240	22390	20470	19180
Floyd	17058	18300	18670	18380	16120	15230
Franklin	11364	11500	12140	11820	10810	10290
Fremont	8226	9000	8160	7680	8080	7930
Greene	10045	11400	10160	9380	9260	8540
Grundy	12029	13000	11930	10970	11700	11410
Guthrie	10935	10600	10510	9930	10900	10850
Hamilton	16071	17200	15510	14580	15110	14160
Hancock	12638	13700	15000	15760	12250	11860
Hardin	19094	21000	20610	20230	18520	17980
Harrison	14730	16000	16300	16420	14410	14090
Henry	19226	17700	18760	18850	20100	20930
Howard	9809	10900	11850	12340	9550	9310
Humboldt	10756	11600	11670	11500	10260	9800
Ida	8365	8200	9180	9400	8420	8460
Iowa	14630	15000	14250	13820	14890	15110
Jackson	19950	22900	24090	25150	20250	20590
Jasper	34795	35100	35530	35410	35010	35130

Table 1. Residents, 1990, and Projected Residents, 2000-2010, in Iowa Counties (continued).

County	Census	State Demographer	Iowa Dept. of Transportation		Woods and Poole Economics	
	1990	2000	2000	2010	2000	2010
Jefferson	16310	16200	16800	17200	16840	17330
Johnson	96119	93700	85240	87830	107160	117810
Jones	19444	20400	22360	23610	20230	20950
Keokuk	11624	11900	11700	11230	11160	10700
Kossuth	18591	21600	20280	19700	17510	16490
Lee	38687	42800	39780	38560	39160	39620
Linn	168767	167400	166690	166640	178470	187500
Louisa	11592	13300	13070	13740	12240	12900
Lucas	9070	10800	9810	9650	8820	8580
Lyon	11952	12700	14200	15030	11830	11690
Madison	12483	12800	13450	14030	12750	12980
Mahaska	21513	22200	22960	23210	21870	22170
Marion	30001	32500	33810	36410	34600	39110
Marshall	38276	44600	40030	39600	39080	39870
Mills	13202	15600	15120	16190	13460	13680
Mitchell	10928	11300	10700	10050	10360	9820
Monona	10034	10700	9470	8600	9940	9870
Monroe	8114	8900	7940	7440	7910	7700
Montgomery	12076	12200	12240	11790	11880	11680
Muscatine	39907	51000	49120	54620	42440	44940
O'Brien	15444	17100	16450	16340	15590	15740
Osceola	7267	7800	7590	7290	7320	7380
Page	16870	18500	16020	14810	16500	16160
Palo Alto	10669	12100	10760	9990	9790	8980
Plymouth	23388	24000	24590	24730	23920	24420
Pocahontas	9525	10500	10300	9890	9030	8570
Polk	327140	326900	322320	335310	364830	400940
Pottawattamie	82628	93700	94720	99970	82040	81310
Poweshiek	19033	17800	17950	17460	19420	19740
Ringgold	5420	5600	5490	5240	5210	4990
Sac	12324	12900	11500	10470	11660	11030
Scott	150979	176000	162060	164540	160950	170930
Shelby	13230	14300	15790	16320	13120	13020
Sioux	29903	32500	37990	42560	30630	31300
Story	74252	78500	71020	71000	84470	94530
Tama	17419	18800	19650	19880	17450	17500
Taylor	7114	8300	8020	7930	7050	7010
Union	12750	14400	12160	11480	13160	13570
Van Buren	7676	8500	8410	8380	7530	7370
Wapello	35696	36800	35960	34290	34450	33210
Warren	36033	37800	43250	48590	38430	40890
Washington	19612	20600	20650	21100	20570	21460
Wayne	7067	7800	6260	5520	6790	6530
Webster	40342	42900	36090	32260	37630	34990
Winnebago	12122	11300	13410	13730	11700	11280
Winneshiek	20847	22900	26690	29740	21220	21580
Woodbury	98276	105500	97900	97300	99470	100410
Worth	7991	8100	8680	8560	7640	7290
Wright	14269	15700	14090	13210	13710	13180
State of Iowa	2776755	2965100	2899780	2929730	2858300	2935900

Figure 1. Population and projected population in Iowa, 1910-2010.



Urban, Rural, and Farm Populations in Iowa's Counties: 1940-1990

Willis Goudy, Iowa State University

The U.S. Bureau of the Census defines any incorporated place with at least 2,500 residents as urban. The only exception is that a few places below that threshold located very close to major metropolitan centers also are tabulated as urban. The rural population, then, includes nearly all residents of incorporated places with fewer than 2,500 residents plus people living outside of such places on farms or other acreages. The information for the rural and urban numbers contained in Tables 1 and 2 was obtained from questionnaires sent to every household in the state by the census bureau.

Rural and Urban Residents

Residents of Iowa's urban places totaled 1,686,000 in 1990, while rural inhabitants numbered 1,091,000 (Table 1). In 1990, 60.7% of the state's residents were designated as urban (Table 2, Figure 2). That percentage has increased steadily over the decades. About 42.7% of all Iowans lived in urban areas in 1940, and the majority of those residing in this state were counted as urban for the first time in the 1960 census (53.0%). Thus, while about three of every five residents were rural in 1940, three of five were urban 50 years later.

Iowa's population declined by about 137,000 between 1980 and 1990. But that loss occurred disproportionately in rural areas, which decreased by nearly 115,000 (-9.5%). Urban sectors also lost population, but the decline was only about 22,000 (-1.3%). When the 50 years from 1940 to 1990 are examined, the urban population gained 602,000 (+55.5%) while the number living in rural areas dropped by 363,000 (-25.0%).

Counties varied significantly by rural and urban populations in 1990 (Figure 1). Concentrations of at least 100,000 urban residents occurred in Black Hawk, Linn, Polk, and Scott counties. In these counties and Woodbury, at least four of every five residents lived in an urban place. In contrast, 19 counties had no residents living in an incorporated place greater than 2,500; they were completely rural according to the definition used by the census bureau. Another 17 counties had urban percentages ranging from 60% to 79%, 25 from 40%-59%, and 30 from 20%-39%. The remaining three had urban populations accounting for 15% to 19% of their totals.

Caution is urged in interpreting changes in the rural and urban populations; if a place that was larger than 2,500 in 1980 dropped below that level in 1990, then that place would change from urban to rural in the counts. On the other hand, a place increasing from below to above 2,500 adds to the urban number while taking away from the rural total. Such a change from over or under 2,500 in one incorporated place can make a substantial difference in the rural/urban distribution and in the calculation of change. The cities of Grimes (Polk County), North Liberty (Johnson County), Sergeant Bluff (Woodbury County), and Waukee (Dallas County) increased from fewer than 2,500 to more than that number in the 1980s; Grundy Center (Grundy County), Hawarden (Sioux County), Lamoni (Decatur County), and West Union (Fayette County), on the other hand, dropped from above the 2,500 threshold to below it that decade.

Only six counties (Decatur, Fayette, Grundy, Mills, Sioux, Story) reported increases in their rural populations from 1980 to 1990, and four of these (Decatur, Fayette, Grundy, Sioux) are subject to the caution noted previously. Gains ranged from 1% to 18% of the rural population over the decade. Declines among rural residents topped 1,000 in 63 counties. Decreases ranged from 2% to 21% of the rural population over the 1980s, with drops of 10% or greater in 58 counties. Urban populations

Table 1. Rural and Urban Populations in Iowa Counties, 1940-1990.

County	1990		1980		1970		1960		1950		1940	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Adair	8409	0	9509	0	9487	0	10893	0	12292	0	13196	0
Adams	4866	0	5731	0	6322	0	7468	0	8753	0	10156	0
Allamakee	9836	4019	11125	3983	11085	3883	12343	3639	13193	3158	14212	2972
Appanoose	7807	5936	8953	6558	8476	6531	9386	6629	12058	7625	15832	8413
Audubon	4810	2524	5718	2841	6688	2907	7991	2928	8771	2808	11790	0
Benton	14492	7937	15706	7943	15230	7655	15718	7704	15293	7363	15514	7365
Black Hawk	15538	108260	17671	120290	20035	112881	19655	102827	16062	84386	18854	61092
Boone	12794	12392	13582	12602	14002	12468	15569	12468	15975	12164	17409	12373
Bremer	14274	8539	16376	8444	15532	7205	14751	6357	13760	5124	13776	4156
Buchanan	14872	5972	16508	6392	15836	5926	16795	5498	47062	4865	16649	4342
Buena Vista	11196	8769	11960	8814	12102	8591	13461	7728	14159	6954	14564	5274
Butler	15731	0	17668	0	16953	0	17467	0	17394	0	17986	0
Calhoun	11508	0	13542	0	14292	0	15923	0	16925	0	17584	0
Carroll	11844	9579	13246	9705	14196	8716	15749	7682	16834	6231	17381	5389
Cass	7696	7432	9143	7789	9701	7306	11029	6890	12052	6480	12845	5802
Cedar	14379	3002	15571	3064	14778	2877	14929	2862	44277	2633	14366	2518
Cerro Gordo	9582	37151	10856	37602	12414	36809	13094	36800	13096	32957	13001	30844
Cherokee	8072	6026	9234	7004	9997	7272	10874	7724	11347	7705	11789	7469
Chickasaw	9635	3660	11497	3940	11348	3621	11578	3456	11905	3323	12294	2933
Clarke	4123	4164	4862	3750	4457	3124	4872	3350	5947	3422	6952	3281
Clay	6519	11066	7850	11726	8186	10278	9640	8864	10657	7446	11163	6599
Clayton	19054	0	21098	0	20606	0	21962	0	22522	0	24334	0
Clinton	13376	37664	15057	42065	14913	41836	18247	36813	16641	33023	18452	26270
Crawford	10171	6604	12260	6675	12898	6218	13639	4930	15187	4554	16177	4361
Dallas	17280	12475	19614	9899	19179	6906	17681	6442	17487	6174	18672	5977
Davis	5732	2580	6255	2849	5489	2718	6428	2771	7271	2688	8404	2732
Decatur	8338	0	7089	2705	7197	2540	10539	0	12601	0	14012	0
Delaware	12861	5174	13946	4987	14056	4714	14001	4482	13747	3987	14725	3762
Des Moines	12323	30291	13303	32900	11477	35505	9615	34990	11443	30613	10972	25832
Dickinson	11038	3871	11653	3976	9551	3014	9889	2685	12756	0	12185	0
Dubuque	21689	64714	24018	69727	24103	66506	19945	60103	21666	49671	19876	43892
Emmet	4849	6720	5818	7518	5901	8108	6944	7927	7383	6719	7755	5651
Fayette	15350	6493	15141	10347	16539	10359	17748	10833	20436	7858	21350	7801
Floyd	9180	7878	10819	8778	10592	9268	11138	9964	11196	10309	11488	8681
Franklin	7231	4133	8406	4630	8879	4376	10971	4501	11836	4432	12373	4006
Fremont	8226	0	9401	0	9282	0	10282	0	12323	0	14645	0
Greene	5753	4292	7265	4854	7981	4735	9809	4570	11218	4326	12511	4088
Grundy	12029	0	11486	2880	11407	2712	14132	0	13722	0	13518	0
Guthrie	10935	0	11983	0	12243	0	13607	0	15197	0	17210	0
Hamilton	8177	7894	9290	8572	9895	8488	11512	8520	12049	7611	13184	6738
Hancock	9367	3271	10575	3258	13506	0	14604	0	15077	0	15402	0
Hardin	10632	8462	12539	9237	12571	9677	13743	8790	14211	8007	14552	7978
Harrison	11842	2888	13241	3107	12721	3519	14033	3567	16014	3546	18773	3994
Henry	11199	8027	11568	7322	11107	7007	10848	7339	12865	5843	13384	4610
Howard	6140	3669	7254	3860	7515	3927	8925	3809	9467	3638	10001	3530
Humboldt	6318	4438	7452	4794	7854	4665	9125	4031	9898	3219	10640	2819
Ida	8365	0	8908	0	9283	0	10269	0	10697	0	11047	0
Iowa	14630	0	15429	0	15419	0	16396	0	15835	0	17016	0
Jackson	13839	6111	16190	6313	15162	5677	14845	5909	14315	4307	15105	4076
Jasper	20006	14789	21133	15292	19806	15619	19901	15381	20582	11723	21034	10462

Table 1. Rural and Urban Populations in Iowa Counties, 1940-1990 (continued).

County	1990		1980		1970		1960		1950		1940	
	Rural	Urban										
Jefferson	6542	9768	6888	9428	7059	8715	7764	8054	8397	7299	8989	6773
Johnson	21821	74298	22422	59295	19147	52980	20220	33443	18544	27212	16009	17182
Jones	10822	8622	11802	8599	11970	7898	12887	7806	12603	6798	13335	6615
Keokuk	11624	0	12921	0	13943	0	15492	0	16797	0	18406	0
Kossuth	12576	6015	15602	6289	16905	6032	19612	5702	20826	5415	21676	4954
Lee	14618	24069	16050	27056	14369	28627	12644	31563	12004	31098	11935	29139
Linn	28920	139847	30652	139123	28187	135026	29188	107711	26062	78212	22301	66841
Louisa	11592	0	12055	0	10682	0	10290	0	11101	0	11384	0
Lucas	4454	4616	5326	4987	5154	5009	5881	5042	6749	5320	8817	5754
Lyon	9351	2601	10203	2693	10708	2632	11688	2780	12057	2640	12818	2556
Madison	8287	4196	8576	4021	7904	3654	8656	3639	9561	3570	10894	3631
Mahaska	10890	10632	11878	10989	10953	11224	12549	11053	13548	11124	15461	11024
Marion	12499	17502	13177	16492	11929	14423	12871	13015	13878	12052	16445	10574
Marshall	13098	25178	14714	26938	14857	26219	15463	22521	15790	19821	16166	19240
Mills	8242	4960	8126	5280	7411	4421	8267	4783	9400	4664	10563	4501
Mitchell	7489	3439	8611	3718	9293	3815	10290	3753	10509	3436	10925	3196
Monona	7098	2936	8409	3283	8915	3154	10740	3176	12805	3498	14800	3438
Monroe	4244	3870	5025	4184	5206	4151	5881	4582	6976	4838	9396	5157
Montgomery	5812	6264	6603	6810	6571	6210	8046	6421	9159	6526	9934	5763
Muscatine	11518	28389	11753	28683	14776	22405	12843	20997	13107	19041	13010	18286
O'Brien	10578	4866	11984	4988	12987	4535	14589	4251	14969	4001	15525	3768
Osceola	4452	2815	5320	3051	5806	2749	7212	2852	7622	2559	10607	0
Page	6194	10676	7331	11732	7119	11418	9553	11470	11897	12024	13136	11751
Palo Alto	6729	3940	8100	4621	9139	4150	10849	3887	12131	3760	12796	3374
Plymouth	14934	8454	16467	8276	16153	8169	17139	6767	17408	5844	18149	5353
Pocahontas	9525	0	11369	0	12793	0	14234	0	15496	0	16266	0
Polk	19442	307698	23874	279296	20337	265793	22236	244079	26076	199934	31764	164071
Pottawattamie	22738	59890	24388	62173	22144	64847	22555	60547	22541	47141	25317	41439
Poweshiek	10131	8902	10438	8868	10401	8402	11933	7367	12516	6828	13548	5210
Ringgold	5420	0	6112	0	6373	0	7910	0	9528	0	11137	0
Sac	9808	2516	11118	3000	12305	3268	13653	3354	14348	3170	14474	3165
Scott	18753	132226	20001	140021	16392	126295	18049	101018	18861	81837	15566	69182
Shelby	8082	5148	9686	5357	10479	5049	11475	4350	12027	3915	12993	3727
Sioux	17278	12625	16194	14619	18185	9811	21124	5251	23756	2625	24528	2681
Story	18086	56166	17877	54449	18326	44457	18097	31230	17633	26661	17526	15908
Tama	14722	2697	16565	2968	17147	3000	15638	5775	18758	2930	19596	2832
Taylor	7114	0	8353	0	8790	0	10288	0	12420	0	14258	0
Union	4839	7911	5429	8429	5323	8234	6045	7667	7334	8317	8247	8033
Van Buren	7676	0	8626	0	8643	0	9778	0	11007	0	12053	0
Wapello	11199	24488	12860	27381	12539	29610	12255	33871	13766	33631	12710	31570
Warren	14406	21627	14961	19917	16515	10917	13767	7062	12613	5145	13572	4123
Washington	12538	7074	13557	6584	12650	6317	13369	6037	13655	5902	14828	5227
Wayne	7067	0	8199	0	8405	0	9800	0	11737	0	13308	0
Webster	14448	25894	16530	29423	17128	31263	19411	28399	19126	25115	18617	22904
Winnebago	8047	4075	9090	3920	9264	3726	10169	2930	10684	2766	11427	2545
Winneshiak	12784	8063	13885	7991	14300	7458	15216	6435	15579	6060	16960	5303
Woodbury	14999	83277	16465	84419	15895	87157	17859	89990	19926	83991	21263	82364
Worth	7991	0	9075	0	8984	0	10259	0	11068	0	11449	0
Wright	5395	8874	6430	9889	9833	7461	9328	10119	12326	7326	13043	6995
State of Iowa	1090785	1685970	1205576	1708232	1207971	1617397	1295025	1462512	1370135	1250938	1454037	1084231

Table 2. Rural and Urban Populations as Percentages of the Total Population in Iowa Counties, 1940-1990.

County	1990		1980		1970		1960		1950		1940	
	Rural	Urban										
Adair	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Adams	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Allamakee	71.0	29.0	73.6	26.4	74.1	25.9	77.2	22.8	80.7	19.3	82.7	17.3
Appanoose	56.8	43.2	57.7	42.3	56.5	43.5	58.6	41.4	61.3	38.7	65.3	34.7
Audubon	65.6	34.4	66.8	33.2	69.7	30.3	73.2	26.8	75.7	24.3	100.0	0.0
Benton	64.6	35.4	66.4	33.6	66.6	33.4	67.1	32.9	67.5	32.5	67.8	32.2
Black Hawk	12.6	87.4	12.8	87.2	15.1	84.9	16.0	84.0	16.0	84.0	23.6	76.4
Boone	50.8	49.2	51.9	48.1	52.9	47.1	55.5	44.5	56.8	43.2	58.5	41.5
Bremer	62.6	37.4	66.0	34.0	68.3	31.7	69.9	30.1	72.9	27.1	76.8	23.2
Buchanan	71.3	28.7	72.1	27.9	72.8	27.2	75.3	24.7	77.8	22.2	79.3	20.7
Buena Vista	56.1	43.9	57.6	42.4	58.5	41.5	63.5	36.5	67.1	32.9	73.4	26.6
Butler	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Calhoun	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Carroll	55.3	44.7	57.7	42.3	62.0	38.0	67.2	32.8	73.0	27.0	76.3	23.7
Cass	50.9	49.1	54.0	46.0	57.0	43.0	61.5	38.5	65.0	35.0	68.9	31.1
Cedar	82.7	17.3	83.6	16.4	83.7	16.3	83.9	16.1	84.4	15.6	85.1	14.9
Cerro Gordo	20.5	79.5	22.4	77.6	25.2	74.8	26.2	73.8	28.4	71.6	29.7	70.3
Cherokee	57.3	42.7	56.9	43.1	57.9	42.1	58.5	41.5	59.6	40.4	61.2	38.8
Chickasaw	72.5	27.5	74.5	25.5	75.8	24.2	77.0	23.0	78.2	21.8	80.7	19.3
Clarke	49.8	50.2	56.5	43.5	58.8	41.2	59.3	40.7	63.5	36.5	67.9	32.1
Clay	37.1	62.9	40.1	59.9	44.3	55.7	52.1	47.9	58.9	41.1	62.8	37.2
Clayton	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Clinton	26.2	73.8	26.4	73.6	26.3	73.7	33.1	66.9	33.5	66.5	41.3	58.7
Crawford	60.6	39.4	64.7	35.3	67.5	32.5	73.5	26.5	76.9	23.1	78.8	21.2
Dallas	58.1	41.9	66.5	33.5	73.5	26.5	73.3	26.7	73.9	26.1	75.8	24.2
Davis	69.0	31.0	68.7	31.3	66.9	33.1	69.9	30.1	73.0	27.0	75.5	24.5
Decatur	100.0	0.0	72.4	27.6	73.9	26.1	100.0	0.0	100.0	0.0	100.0	0.0
Delaware	71.3	28.7	73.7	26.3	74.9	25.1	75.8	24.2	77.5	22.5	79.7	20.3
Des Moines	28.9	71.1	28.8	71.2	24.4	75.6	21.6	78.4	27.2	72.8	29.8	70.2
Dickinson	74.0	26.0	74.6	25.4	76.0	24.0	78.6	21.4	100.0	0.0	100.0	0.0
Dubuque	25.1	74.9	25.6	74.4	26.6	73.4	24.9	75.1	30.4	69.6	31.2	68.8
Emmet	41.9	58.1	43.6	56.4	42.1	57.9	46.7	53.3	52.4	47.6	57.8	42.2
Fayette	70.3	29.7	59.4	40.6	61.5	38.5	62.1	37.9	72.2	27.8	73.2	26.8
Floyd	53.8	46.2	55.2	44.8	53.3	46.7	52.8	47.2	52.1	47.9	57.0	43.0
Franklin	63.6	36.4	64.5	35.5	67.0	33.0	70.9	29.1	72.8	27.2	75.5	24.5
Fremont	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Greene	57.3	42.7	59.9	40.1	62.8	37.2	68.2	31.8	72.2	27.8	75.4	24.6
Grundy	100.0	0.0	80.0	20.0	80.8	19.2	100.0	0.0	100.0	0.0	100.0	0.0
Guthrie	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Hamilton	50.9	49.1	52.0	48.0	53.8	46.2	57.5	42.5	61.3	38.7	66.2	33.8
Hancock	74.1	25.9	76.4	23.6	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Hardin	55.7	44.3	57.6	42.4	56.5	43.5	61.0	39.0	64.0	36.0	64.6	35.4
Harrison	80.4	19.6	81.0	19.0	78.3	21.7	79.7	20.3	81.9	18.1	82.5	17.5
Henry	58.2	41.8	61.2	38.8	61.3	38.7	59.6	40.4	68.8	31.2	74.4	25.6
Howard	62.6	37.4	65.3	34.7	65.7	34.3	70.1	29.9	72.2	27.8	73.9	26.1
Humboldt	58.7	41.3	60.9	39.1	62.7	37.3	69.4	30.6	75.5	24.5	79.1	20.9
Ida	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Iowa	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Jackson	69.4	30.6	71.9	28.1	72.8	27.2	71.5	28.5	76.9	23.1	78.7	21.3
Jasper	57.5	42.5	58.0	42.0	55.9	44.1	56.4	43.6	63.7	36.3	66.8	33.2

Table 2. Rural and Urban Populations as Percentages of the Total Population in Iowa Counties, 1940-1990 (continued).

County	1990		1980		1970		1960		1950		1940	
	Rural	Urban										
Jefferson	40.1	59.9	42.2	57.8	44.8	55.2	49.1	50.9	53.5	46.5	57.0	43.0
Johnson	22.7	77.3	27.4	72.6	26.5	73.5	37.7	62.3	40.5	59.5	48.2	51.8
Jones	55.7	44.3	57.9	42.1	60.2	39.8	62.3	37.7	65.0	35.0	66.8	33.2
Keokuk	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Kossuth	67.6	32.4	71.3	28.7	73.7	26.3	77.5	22.5	79.4	20.6	81.4	18.6
Lee	37.8	62.2	37.2	62.8	33.4	66.6	28.6	71.4	27.9	72.1	29.1	70.9
Linn	17.1	82.9	18.1	81.9	17.3	82.7	21.3	78.7	25.0	75.0	25.0	75.0
Louisa	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Lucas	49.1	50.9	51.6	48.4	50.7	49.3	53.8	46.2	55.9	44.1	60.5	39.5
Lyon	78.2	21.8	79.1	20.9	80.3	19.7	80.8	19.2	82.0	18.0	83.4	16.6
Madison	66.4	33.6	68.1	31.9	68.4	31.6	70.4	29.6	72.8	27.2	75.0	25.0
Mahaska	50.6	49.4	51.9	48.1	49.4	50.6	53.2	46.8	54.9	45.1	58.4	41.6
Marion	41.7	58.3	44.4	55.6	45.3	54.7	49.7	50.3	53.5	46.5	60.9	39.1
Marshall	34.2	65.8	35.3	64.7	36.2	63.8	40.7	59.3	44.3	55.7	45.7	54.3
Mills	62.4	37.6	60.6	39.4	62.6	37.4	63.3	36.7	66.8	33.2	70.1	29.9
Mitchell	68.5	31.5	69.8	30.2	70.9	29.1	73.3	26.7	75.4	24.6	77.4	22.6
Monona	70.7	29.3	71.9	28.1	73.9	26.1	77.2	22.8	78.5	21.5	81.1	18.9
Monroe	52.3	47.7	54.6	45.4	55.6	44.4	56.2	43.8	59.0	41.0	64.6	35.4
Montgomery	48.1	51.9	49.2	50.8	51.4	48.6	55.6	44.4	58.4	41.6	63.3	36.7
Muscatine	28.9	71.1	29.1	70.9	39.7	60.3	38.0	62.0	40.8	59.2	41.6	58.4
O'Brien	68.5	31.5	70.6	29.4	74.1	25.9	77.4	22.6	78.9	21.1	80.5	19.5
Osceola	61.3	38.7	63.6	36.4	67.9	32.1	71.7	28.3	74.9	25.1	100.0	0.0
Page	36.7	63.3	38.5	61.5	38.4	61.6	45.4	54.6	49.7	50.3	52.8	47.2
Palo Alto	63.1	36.9	63.7	36.3	68.8	31.2	73.6	26.4	76.3	23.7	79.1	20.9
Plymouth	63.9	36.1	66.6	33.4	66.4	33.6	71.7	28.3	74.9	25.1	77.2	22.8
Pocahontas	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Polk	5.9	94.1	7.9	92.1	7.1	92.9	8.3	91.7	11.5	88.5	16.2	83.8
Pottawattamie	27.5	72.5	28.2	71.8	25.5	74.5	27.1	72.9	32.3	67.7	37.9	62.1
Poweshiek	53.2	46.8	54.1	45.9	55.3	44.7	61.8	38.2	64.7	35.3	72.2	27.8
Ringgold	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Sac	79.6	20.4	78.8	21.2	79.0	21.0	80.3	19.7	81.9	18.1	82.1	17.9
Scott	12.4	87.6	12.5	87.5	11.5	88.5	15.2	84.8	18.7	81.3	18.4	81.6
Shelby	61.1	38.9	64.4	35.6	67.5	32.5	72.5	27.5	75.4	24.6	77.7	22.3
Sioux	57.8	42.2	52.6	47.4	65.0	35.0	80.1	19.9	90.0	10.0	90.1	9.9
Story	24.4	75.6	24.7	75.3	29.2	70.8	36.7	63.3	39.8	60.2	52.4	47.6
Tama	84.5	15.5	84.8	15.2	85.1	14.9	73.0	27.0	86.5	13.5	87.4	12.6
Taylor	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Union	38.0	62.0	39.2	60.8	39.3	60.7	44.1	55.9	46.9	53.1	50.7	49.3
Van Buren	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Wapello	31.4	68.6	32.0	68.0	29.7	70.3	26.6	73.4	29.0	71.0	28.7	71.3
Warren	40.0	60.0	42.9	57.1	60.2	39.8	66.1	33.9	71.0	29.0	76.7	23.3
Washington	63.9	36.1	67.3	32.7	66.7	33.3	68.9	31.1	69.8	30.2	73.9	26.1
Wayne	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Webster	35.8	64.2	36.0	64.0	35.4	64.6	40.6	59.4	43.2	56.8	44.8	55.2
Winnebago	66.4	33.6	69.9	30.1	71.3	28.7	77.6	22.4	79.4	20.6	81.8	18.2
Winneshiek	61.3	38.7	63.5	36.5	65.7	34.3	70.3	29.7	72.0	28.0	76.2	23.8
Woodbury	15.3	84.7	16.3	83.7	15.4	84.6	16.6	83.4	19.2	80.8	20.5	79.5
Worth	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0
Wright	37.8	62.2	39.4	60.6	56.9	43.1	48.0	52.0	62.7	37.3	65.1	34.9
State of Iowa	39.3	60.7	41.4	58.6	42.8	57.2	47.0	53.0	52.3	47.7	57.3	42.7

Table 3. Farm Population and Farm Population as Percent of Total Population in Iowa Counties, 1940-1990.

County	Farm Population						Farm Population as Percent of Total Population					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Adair	2344	3405	4220	5732	7140	8418	27.9	35.8	44.5	52.6	58.1	63.8
Adams	1424	2288	2584	4127	5099	6575	29.3	39.9	40.9	55.3	58.3	64.7
Allamakee	2635	4328	5585	7398	8511	9705	19.0	28.6	37.3	46.3	52.1	56.5
Appanoose	1454	2484	3075	4632	6079	8176	10.6	16.0	20.5	28.9	30.9	33.7
Audubon	2047	3017	4364	5675	6409	7454	27.9	35.2	45.5	52.0	55.4	63.2
Benton	3430	5562	7278	8607	9761	10875	15.3	23.5	31.8	36.7	43.1	47.5
Black Hawk	2834	4607	5512	8385	8651	11097	2.3	3.3	4.1	6.8	8.6	13.9
Boone	2589	3556	5519	6466	8265	11903	10.3	13.6	20.9	23.1	29.4	40.0
Bremer	2788	4581	5655	7302	8103	9149	12.2	18.5	24.9	34.6	42.9	51.0
Buchanan	3643	5830	7552	8848	9795	10157	17.5	25.5	34.7	39.7	44.7	48.4
Buena Vista	2624	4051	5302	7015	8273	8840	13.1	19.5	25.6	33.1	39.2	44.6
Butler	3077	4774	5862	8004	8831	10231	19.6	27.0	34.6	45.8	50.8	56.9
Calhoun	2439	3808	4353	6767	7753	9043	21.2	28.1	30.5	42.5	45.8	51.4
Carroll	3486	4868	7302	8247	9160	10366	16.3	21.2	31.9	35.2	39.7	45.5
Cass	2628	3348	4742	6221	7379	8553	17.4	19.8	27.9	34.7	39.8	45.9
Cedar	3239	4724	6307	7467	8489	9331	18.6	25.4	35.7	42.0	50.2	55.3
Cerro Gordo	2114	3650	4199	6929	7614	9198	4.5	7.5	8.5	13.9	16.5	21.0
Cherokee	2330	3975	4922	6953	7294	8363	16.5	24.5	28.5	37.4	38.3	43.4
Chickasaw	2647	4163	5663	7167	7764	8771	19.9	27.0	37.8	47.7	51.0	57.6
Clarke	1311	2351	2801	3531	4713	5601	15.8	27.3	36.9	42.9	50.3	54.7
Clay	2167	3093	4361	5958	7281	8199	12.3	15.8	23.6	32.2	40.2	46.2
Clayton	4756	6084	7998	10096	11235	13251	25.0	28.8	38.8	46.0	49.9	54.5
Clinton	3866	5896	7652	9449	10223	11284	7.6	10.3	13.5	17.2	20.6	25.2
Crawford	3322	5269	6942	8354	9783	10822	19.8	27.8	36.3	45.0	49.6	52.7
Dallas	2779	3963	5373	6813	8190	10049	9.3	13.4	20.6	28.2	34.6	40.8
Davis	2251	3173	3389	4795	5740	6999	27.1	34.9	41.3	52.1	57.6	62.9
Decatur	1272	1938	3016	3960	5968	7576	15.3	19.8	31.0	37.6	47.4	54.1
Delaware	3900	6016	7666	9038	9472	10471	21.6	31.8	40.8	48.9	53.4	56.6
Des Moines	1571	2863	3040	4625	5649	7191	3.7	6.2	6.5	10.4	13.4	19.5
Dickinson	1325	2012	3068	3666	4740	5648	8.9	12.9	24.4	29.2	37.2	46.4
Dubuque	5161	7225	8978	9461	10462	11353	6.0	7.7	9.9	11.8	14.7	17.8
Emmet	1378	2399	3226	4315	5063	5633	11.9	18.0	23.0	29.0	35.9	42.0
Fayette	4701	6601	7925	10401	11816	13590	21.5	25.9	29.5	36.4	41.8	46.6
Floyd	2405	3872	5223	6483	7158	7996	14.1	19.8	26.3	30.7	33.3	39.6
Franklin	2822	3931	4886	7130	8185	9288	24.8	30.2	36.9	46.1	50.3	56.7
Fremont	1660	2463	3057	3993	5693	8043	20.2	26.2	32.9	38.8	46.2	54.9
Greene	2041	3058	3698	6069	6967	8703	20.3	25.2	29.1	42.2	44.8	52.4
Grundy	2229	3848	5582	6225	7198	7788	18.5	26.8	39.5	44.0	52.5	57.6
Guthrie	2053	3579	4721	6330	7939	9900	18.8	29.9	38.6	46.5	52.2	57.5
Hamilton	2311	3451	5219	6833	8035	9442	14.4	19.3	28.4	34.1	40.9	47.4
Hancock	2709	4072	5648	6979	8590	9339	21.4	29.4	41.8	47.8	57.0	60.6
Hardin	2577	3773	5605	7138	7522	8869	13.5	17.3	25.2	31.7	33.9	39.4
Harrison	2268	3704	4973	6836	9073	11202	15.4	22.7	30.6	38.8	46.4	49.2
Henry	2152	3114	4733	5871	6637	7591	11.2	16.5	26.1	32.3	35.5	42.2
Howard	2327	3584	4818	6155	6799	7582	23.7	32.2	42.1	48.3	51.9	56.0
Humboldt	1823	2892	4063	5392	5932	6587	16.9	23.6	32.5	41.0	45.2	48.9
Ide	2256	2905	3669	4963	5495	6097	27.0	32.6	39.5	48.3	51.4	55.2
Iowa	2774	4543	5727	7508	8249	9501	19.0	29.4	37.1	45.8	52.1	55.8
Jackson	3409	5039	6107	7264	8322	9713	17.1	22.4	29.3	35.0	44.7	50.6
Jasper	3949	5604	7100	8847	10784	12588	11.3	15.4	20.0	25.1	33.4	40.0

Table 3. Farm Population and Farm Population as Percent of Total Population in Iowa Counties, 1940-1990
(continued).

County	Farm Population						Farm Population as Percent of Total Population					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Jefferson	1895	2725	3676	4640	5999	6804	11.6	16.7	23.3	29.3	38.2	43.2
Johnson	4049	5353	7203	8118	9550	11199	4.2	6.6	10.0	15.1	20.9	33.7
Jones	3659	5041	5621	7571	8464	9481	18.8	24.7	28.3	36.6	43.6	47.5
Keokuk	2489	3761	5343	6653	8074	10075	21.4	29.1	38.3	42.9	48.1	54.7
Kossuth	4241	6698	9618	11580	13911	15451	22.8	30.6	41.9	45.7	53.0	58.0
Lee	2513	3961	4631	6225	7206	8581	6.5	9.2	10.8	14.1	16.7	20.9
Linn	3511	6377	8000	10046	12590	13829	2.1	3.8	4.9	7.3	12.1	15.5
Louisa	1815	2342	3009	3839	5004	6036	15.7	19.4	28.2	37.3	45.1	53.0
Lucas	1368	1995	3158	3817	4897	6645	15.1	19.3	31.1	34.9	40.6	45.6
Lyon	3291	4792	6184	7390	7666	8863	27.5	37.2	46.4	51.1	52.2	57.6
Madison	2055	3899	4157	5464	6971	8531	16.5	31.0	36.0	44.4	53.1	58.7
Mahaska	3351	4265	5850	7560	8932	11241	15.6	18.7	26.4	32.0	36.2	42.4
Marion	2533	3680	4597	6331	7998	9833	8.4	12.4	17.4	24.5	30.8	36.4
Marshall	2459	3986	5673	7612	8295	10427	6.4	9.6	13.8	20.0	23.3	29.4
Mills	1355	2474	3190	4079	5259	6909	10.3	18.5	27.0	31.3	37.4	45.9
Mitchell	2598	4063	5273	6299	6906	7692	23.8	33.0	40.2	44.9	49.5	54.5
Monona	1883	3225	3761	5951	7879	9636	18.8	27.6	31.2	42.8	48.3	52.8
Monroe	1429	2544	3134	3798	5301	7121	17.6	27.6	33.5	36.3	44.9	48.9
Montgomery	1568	2571	3022	4544	5391	6535	13.0	19.2	23.6	31.4	34.4	41.6
Muscatine	2369	3456	3899	5134	6179	7766	5.9	8.5	10.5	15.2	19.2	24.8
O'Brien	3000	4311	5466	7086	7754	8883	19.4	25.4	31.2	37.6	40.9	46.0
Osceola	1847	2739	3687	4999	5387	6167	25.4	32.7	43.1	49.7	52.9	58.1
Page	2095	3386	4361	5495	7080	8402	12.4	17.8	23.5	26.1	29.6	33.8
Palo Alto	2234	3250	4503	6329	7990	8899	20.9	25.5	33.9	42.9	50.3	55.0
Plymouth	4714	6809	8664	10115	11335	12681	20.2	27.5	35.6	42.3	48.7	54.0
Pocahontas	2418	3705	4886	6805	8335	9426	25.4	32.6	38.2	47.8	53.8	57.9
Polk	2088	3259	4773	6678	9060	12524	0.6	1.1	1.7	2.5	4.0	6.4
Pottawattamie	3510	5865	8041	10101	13376	16063	4.2	6.8	9.2	12.2	19.2	24.1
Poweshiek	2557	3983	5200	6785	7692	9116	13.4	20.6	27.7	35.2	39.8	48.6
Ringgold	1540	2295	3096	4534	5540	7036	28.4	37.5	48.6	57.3	58.1	63.2
Sac	2683	3817	5410	6738	8215	8790	21.8	27.0	34.7	39.6	46.9	49.8
Scott	1943	3572	5869	6490	8299	9343	1.3	2.2	4.1	5.5	8.2	11.0
Shelby	3156	4784	6020	7798	8548	9685	23.9	31.8	38.8	49.3	53.6	57.9
Sioux	5522	6825	9572	10852	12846	14770	18.5	22.1	34.2	41.1	48.7	54.3
Story	2333	3856	5129	7214	9480	10066	3.1	5.3	8.2	14.6	21.4	30.1
Tama	3392	5188	6837	8837	9975	11535	19.5	26.6	33.9	41.3	46.0	51.4
Taylor	1807	2617	3851	5279	6870	8343	25.4	31.3	43.8	51.3	55.3	58.5
Union	1524	2467	2893	3895	5021	5783	12.0	17.8	21.3	28.4	32.1	35.5
Van Buren	1694	3043	3161	4560	5577	6701	22.1	35.3	36.6	46.6	50.7	55.6
Wapello	1860	3159	3990	5063	7020	8254	5.2	7.9	9.5	11.0	14.8	18.6
Warren	2823	4670	5613	6526	8166	9413	7.8	13.4	20.5	31.3	46.0	53.2
Washington	2897	4485	4997	7127	8509	10089	14.8	22.3	26.3	36.7	43.5	50.3
Wayne	1560	2306	3173	4319	5764	6816	22.1	28.1	37.8	44.1	49.1	51.2
Webster	2307	4289	6299	8238	9933	11833	5.7	9.3	13.0	17.2	22.5	28.5
Winnebago	1702	2669	3933	5532	6555	7615	14.0	20.5	30.3	42.2	48.7	54.5
Winneshiek	4674	6452	8182	10297	11409	12970	22.4	29.5	37.6	47.6	52.7	58.3
Woodbury	2930	4788	6813	9363	11180	13157	3.0	4.7	6.6	8.7	10.8	12.7
Worth	1897	2627	3588	5393	6131	6854	23.7	28.9	39.9	52.6	55.4	59.9
Wright	2127	3312	5105	6720	7848	8798	14.9	20.3	29.5	34.6	39.9	43.9
State of Iowa	256562	391070	512371	662239	782650	916768	9.2	13.4	18.1	24.0	29.9	36.1

increased from 1980 to 1990 in 21 counties and declined in 61; the remaining 17 reported no urban population in 1980 and 1990. Gains topped 10,000 in two counties (Johnson, Polk). Clarke, Dallas, Johnson, and Polk had percentage increases of at least 10, although three of them (Dallas, Johnson, Polk) must be reviewed in terms of the caution noted. Two counties (Decatur, Grundy) reported no urban population in 1990 although they had such residents in 1980; the only incorporated places with at least 2,500 residents in 1980 dropped below that figure in these counties in 1990.

When the 1940 figures are compared with 1990, a third of Iowa's counties (33 of 99) had at least 5,000 fewer rural residents at the end of the period than at the beginning. Another 55 dropped at least 1,000 rural residents over these 50 years. Eleven counties reported higher numbers of rural residents in 1990 than in 1940 (Bremer, Cedar, Des Moines, Dubuque, Johnson, Lee, Linn, Louisa, Scott, Story, Warren). Several of these counties have large cities around which the surrounding unincorporated areas have experienced population gains; these areas contribute to the rural totals.

Urban populations increased from 1940 to 1990 in 64 counties. Gains were less than 1,000 in 16 counties, although they were greater than 10,000 in 11. Polk had 143,600 more urban residents in 1990 than 50 years earlier; increases above 40,000 also occurred in Black Hawk, Johnson, Linn, Scott, and Story. Percentage gains among the urban population ranged from less than 1% to over 400%; seven counties (Bremer, Dallas, Johnson, Linn, Sioux, Story, Warren) at least doubled their urban populations over the last half century.

Farm Population

Questions identifying the farm population are included on the U.S. Bureau of the Census' long form completed in a sample of housing units. This sample was based on one of every two housing units in incorporated places with fewer than 2,500 residents in 1990. In other areas (incorporated places with at least 2,500 residents and open country areas of all Iowa counties), the sample included one in six housing units. Because most farm residents live outside the boundaries of incorporated places in Iowa, generally one in six farm housing units received the long form of the census questionnaire. The results were then weighted to represent the total farm populations of counties and the state.

The farm population is a subset of the rural population. To qualify as a farm resident in 1990, a person had to live in a rural area on a place with \$1,000 or more in sales of crops, livestock, or other farm products in 1989. This definition also applied in the 1980 census. In 1960 and 1970, the farm population included all persons living in rural areas on a place of 10 or more acres with at least \$50 of annual sales or on a place of fewer than 10 acres with at least \$250 in sales. In 1940 and 1950, the farm population was defined as all persons living on farms regardless of occupation.

In 1990, 256,562 Iowans lived on farms; they accounted for 9.2% of the residents of the state (Table 3, Figure 3). Both figures are lower than those reported in 1980 (391,070, 13.4%). The farm population has declined by at least 120,000 in each decade since 1940; the decrease of 134,508 in the 1980s was exceeded only by the decline of 149,868 in the 1960s. And the percentage decrease of 34.4 among farm residents in the 1980s was far greater than other decades in the last half century.

The farm population declined in all counties from 1980 to 1990. Twenty-two decreased by less than 1,000, although nine reported at least 2,000 fewer farm residents at the end of the period than at the beginning. The smallest declines occurred in Decatur, Dickinson, Ida, Louisa, and Lucas, each of which lost less than 700; only Kossuth, Linn, and Pottawattamie decreased by more than 2,200 farm residents. Percentage declines in the last decade ranged from 40% or more in 18 counties to less than 30% in 20 others, although only Sioux declined by less than 20%.

Iowa had 660,000 fewer farm residents in 1990 than 50 years earlier. Ida was the only county that declined by less than 4,000 during that period, while Kossuth, Linn, Polk, Pottawattamie, and Woodbury had decreases of at least 10,000. In 1990, no county had half the farm residents reported in 1940. Eighty-one had fewer than one farm resident for every three 50 years earlier; of these, six (Appanoose, Decatur, Mills, Monona, Polk, Webster) had fewer than one in 1990 for every five reported in 1940.

Notes: The 1990 urban and rural numbers for the state and for Mills and Sac counties may differ from those reported in some census publications. In Mills, 389 residents were reclassified as within the city limits of Glenwood, thus adding that number to the urban total and deleting it from the rural figure. The count for Sac City was adjusted from 2,492 to 2,516; thus, the first figure suggested that all residents of Sac county should be placed in the rural category, while the revised number shifted 2,516 inhabitants into the urban total. These are the only major changes affecting rural/urban distributions that have been announced by the U.S. Bureau of the Census. Other changes have taken place, but they most likely influence these numbers only slightly.

Subtracting the farm population (which is a weighted sample rather than an exact count) from the total rural population (which is a count rather than a sample) provides a relatively good estimate of the rural nonfarm population but not an exact count of these residents.

The definition of farm residents generally has narrowed over the decades. Because of this, part of the decline in those counted as living on farms can be attributed to these changes. If the 1970 definition had been applied in 1980 in Iowa, for example, the census bureau estimated that a total of 419,701 farm residents would have been noted rather than the 391,070 reported. But the changes incorporated over the decades further strengthened the argument that the residents so counted more readily represented what may be the true farm population.

Figure 1. Rural residents as a percent of total residents, 1990.

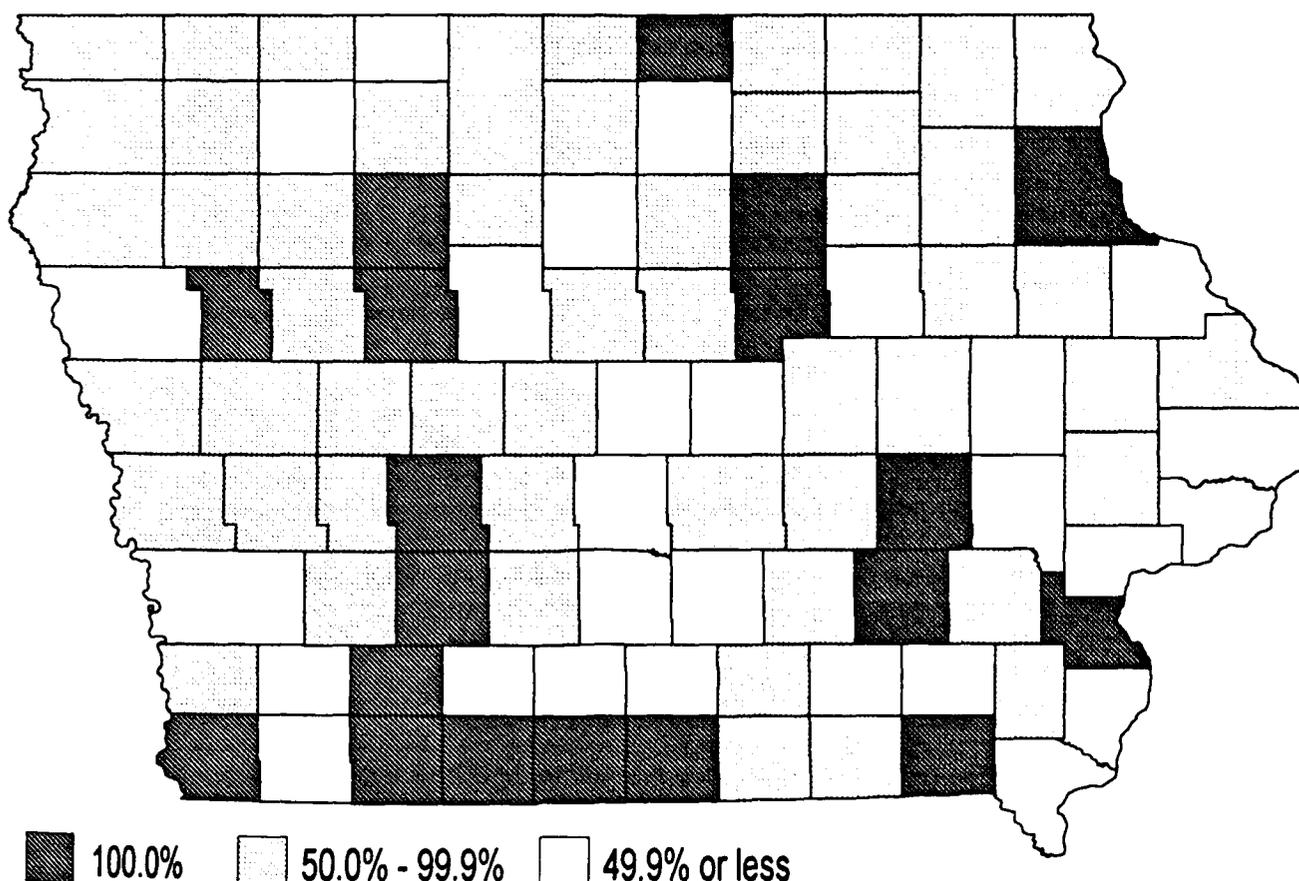


Figure 2. Percent urban and rural in Iowa, 1940-1990.

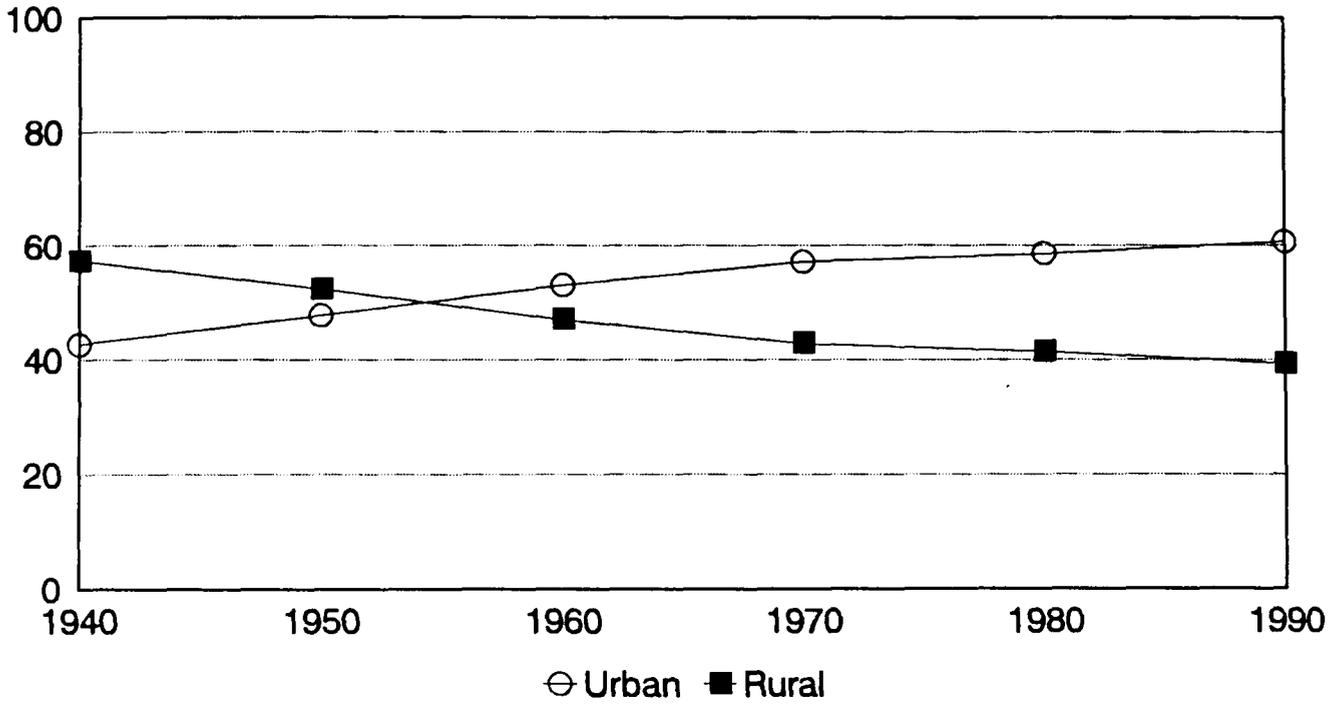
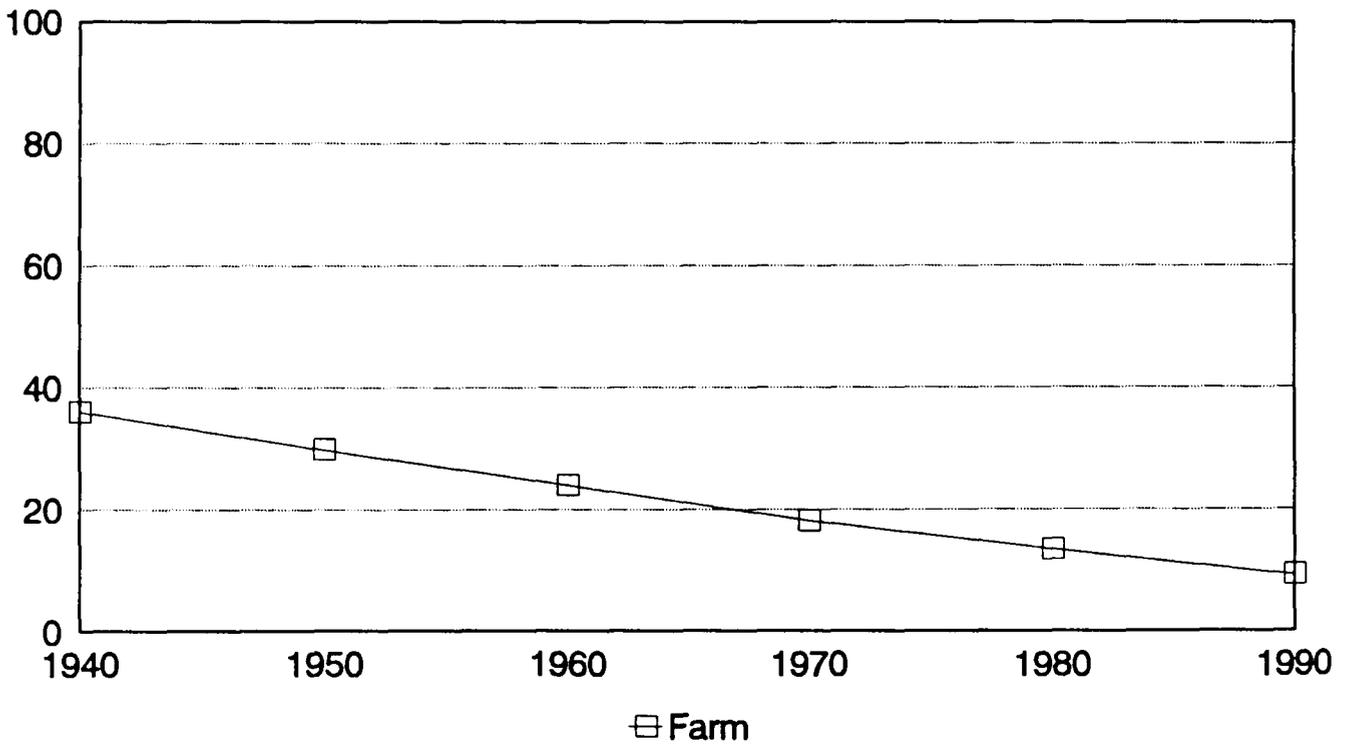


Figure 3. Farm population as percent of total population in Iowa, 1940-1990.



Year Housing Units Built in Iowa's Counties:

1940-1990

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The decennial censuses include both population and housing indicators. One of the items on housing is the year the structure was built. In 1990, the question asked was: "About when was this building first built?" Response categories were divided into three possibilities for the most recent decade (1989 or 1990, 1984 to 1988, and 1980 to 1984); full decades were listed as potential answers before that period. Units constructed before a certain year were collapsed into one category; for example, units built in 1939 or earlier were reported as a single group in the 1970, 1980, and 1990 censuses.

The year the structure was built is a sample item. It was included in some but not all census questionnaires, with the data then weighted to represent an entire county or the state. In incorporated places with fewer than 2,500 residents, the sampling rate was 1-in-2 housing units. In larger incorporated places and all counties, one of every six housing units was included in the sample. In densely populated urban areas, the sampling rate was increased to 1-in-8 units. For the state as a whole, the rates worked out to the inclusion of about one in every six housing units in the final sample.

State Data

Relatively few housing units were built in the 1980s (Table 1), especially after 1984 (48,716). More units were built in the five years before the 1980 (Table 2, 130,829), 1970 (Table 3, 93,238), 1960 (Table 4, 81,182), and 1950 (Table 5, 62,360) censuses. According to the 1940 census, however, only 33,329 housing units were constructed from 1935 to 1940 (Table 6). That low was related to the Great Depression, of course.

Only 10.0% of the housing units counted in 1990 were built between 1980 and the most recent census (Table 7, Figure 1). That percentage is lower than those for the 10 years preceding every census except 1940. In 1980, 20.5% of the units existing that year were constructed from 1970 to 1980. When the percentage of units built at least 30 years before a census is examined, the two most recent decades have the lowest figures (Table 7; 1990, 55.8%; 1980, 53.4%). Obviously, some of the older housing stock in the state was removed in the 1980s; this occurred at a somewhat faster rate than in previous decades. As of 1990, half of Iowa's housing units had been built before 1956 and half after that date.

County Data

Of the 114,918 housing units built between the 1980 and 1990 censuses, two counties (Polk, Johnson) accounted for more than one of every four constructed (26.2%) (Table 1). Linn and Scott were the only others with at least 4,000 units constructed those years. The units built in these four counties totaled 38.3% of all constructed in Iowa from 1980 through the 1990 census. The share of new units in these counties is even greater if only the 1985-1990 period is examined. Polk (27.2%) alone had more than one of every four new units built in those years; adding Linn's numbers pushed the share to 35.5%. When Johnson and Scott are included, these four counties had nearly half (47.0%) of the units built from 1985 through March of 1990.

Johnson reported that 21.8% of its housing units existing in 1990 had been built in the previous 10 years (Table 7). The next three were at least five percentage points below that figure (Polk, 16.2%; Jefferson, 16.1%; Warren, 16.0%). Six (Audubon, Cherokee, Emmet, Floyd, Marshall, Monona) had less than 5% of their units built in the 1980s, and another 22 had figures ranging from 5.0% through 6.9%.

Table 1. Year Housing Units Built in Iowa Counties, 1990.

County	Total Units	1989- March 1990	1985- 1988	1980- 1984	1970- 1979	1960- 1969	1950- 1959	1940- 1949	1939 or Earlier	Median Year Built
Adair	3714	32	42	178	669	279	357	296	1861	1939
Adams	2234	0	37	150	268	249	185	164	1181	1939
Allamakee	6603	52	265	533	1197	770	658	367	2761	1953
Appanoose	6402	71	159	419	1714	718	498	348	2475	1958
Audubon	3247	2	8	99	366	310	452	379	1631	1939
Benton	9125	30	233	407	1826	1095	786	573	4175	1947
Black Hawk	49688	302	499	2820	9865	8287	10328	5265	12322	1957
Boone	10371	60	239	598	1843	795	1121	724	4991	1943
Bremer	8847	53	106	421	1904	1227	1115	514	3507	1954
Buchanan	8272	45	215	569	2042	1019	959	494	2929	1957
Buena Vista	8140	84	238	502	1356	864	1208	836	3052	1952
Butler	6483	19	84	302	1364	738	547	560	2869	1947
Calhoun	5362	22	34	349	872	648	580	508	2349	1947
Carroll	8356	79	293	431	1451	1071	1124	704	3203	1952
Cass	6788	18	139	375	1152	746	662	598	3098	1945
Cedar	7146	76	226	416	1390	715	639	468	3216	1948
Cerro Gordo	20954	264	650	1068	3795	2183	3716	2273	7005	1953
Cherokee	5973	4	68	222	1085	722	803	476	2593	1948
Chickasaw	5486	16	68	313	1125	613	529	352	2470	1948
Clarke	3599	25	72	224	1072	387	246	228	1345	1959
Clay	7659	30	73	409	1390	1143	1202	733	2679	1954
Clayton	8344	71	168	438	1483	839	667	475	4203	1939
Clinton	21296	18	280	760	3793	2827	2964	1758	8896	1950
Crawford	6920	52	158	491	1343	993	572	283	3028	1953
Dallas	11812	227	428	733	2959	1461	1014	577	4413	1959
Davis	3365	16	61	267	810	341	326	166	1378	1954
Decatur	3692	39	105	334	809	338	314	226	1527	1953
Delaware	7408	59	205	498	1787	860	657	504	2838	1956
Des Moines	18248	56	231	883	3346	2406	2041	1880	7405	1949
Dickinson	9723	123	283	717	2681	1352	988	801	2778	1962
Dubuque	32053	320	896	1460	6521	5156	4020	1912	11768	1956
Emmet	4914	5	29	176	768	581	1002	590	1763	1951
Fayette	9262	40	94	355	1473	1033	987	610	4670	1939
Floyd	7233	21	56	237	1094	1393	1050	659	2723	1952
Franklin	5018	15	108	144	713	446	711	495	2386	1943
Fremont	3607	14	68	169	722	454	307	234	1639	1947
Greene	4707	20	45	283	744	375	560	324	2356	1939
Grundy	5158	9	42	246	890	679	692	537	2063	1950
Guthrie	5179	63	170	377	1066	394	427	365	2317	1948
Hamilton	6879	89	110	335	1185	660	1053	642	2805	1950
Hancock	5236	113	84	218	1001	673	753	558	1836	1953
Hardin	8419	40	173	383	1597	953	1158	703	3412	1951
Harrison	6175	27	160	304	1122	447	411	415	3289	1939
Henry	7507	82	393	529	1506	1027	693	423	2854	1957
Howard	4155	28	96	187	676	463	420	282	2003	1943
Humboldt	4670	34	33	241	857	561	638	408	1898	1951
Ida	3473	35	78	173	530	215	341	297	1804	1939
Iowa	6003	48	155	342	1142	594	565	331	2826	1945
Jackson	8426	21	99	663	2089	829	902	476	3347	1954
Jasper	14338	265	357	935	2712	1954	2186	1062	4867	1956

Table 1. Year Housing Units Built in Iowa Counties, 1990 (continued).

County	Total Units	1989-	1985- 1988	1980- 1984	1970- 1979	1960- 1969	1950- 1959	1940- 1949	1939 or Earlier	Median
		March 1990								Year Built
Jefferson	6739	79	421	585	950	773	659	404	2868	1952
Johnson	37210	717	2652	4739	9376	7215	3736	1580	7195	1968
Jones	7366	38	173	353	1559	996	837	384	3026	1953
Keokuk	5024	2	51	208	941	489	407	273	2653	1939
Kossuth	7765	21	130	446	1540	683	965	678	3302	1949
Lee	16443	65	378	808	2930	1864	1997	1335	7066	1949
Linn	68357	1192	2867	3621	14274	13790	11509	4548	16556	1961
Louisa	5044	11	150	332	1322	749	334	294	1852	1961
Lucas	4179	48	16	284	919	562	211	243	1896	1948
Lyon	4561	30	49	209	797	409	496	459	2112	1944
Madison	4995	37	166	299	1086	434	343	269	2361	1945
Mahaska	8977	68	197	661	1979	955	845	774	3498	1953
Marion	11420	159	537	854	2827	1562	1080	706	3695	1962
Marshall	15862	45	196	409	3015	2419	2353	1145	6280	1952
Mills	5004	111	139	310	1306	608	338	310	1882	1959
Mitchell	4514	21	74	262	751	395	635	246	2130	1945
Monona	4555	18	45	154	769	495	367	423	2284	1939
Monroe	3740	49	111	254	873	360	265	210	1618	1952
Montgomery	5363	22	65	234	957	486	396	453	2750	1939
Muscatine	16044	144	475	1368	3517	1921	1466	1278	5875	1956
O'Brien	6476	51	75	346	1075	676	727	692	2834	1946
Osceola	2998	9	28	170	513	212	336	284	1446	1942
Page	7339	20	67	454	1214	797	801	560	3426	1944
Palo Alto	4826	54	49	272	861	602	598	396	1994	1950
Plymouth	8806	95	351	492	1721	1014	888	722	3523	1952
Pocahontas	4193	31	57	236	582	404	450	408	2025	1942
Polk	135979	3249	9982	8826	28200	21593	21229	12288	30612	1962
Pottawattamie	32831	321	1100	1455	5884	5177	5423	2560	10911	1955
Poweshiek	8199	147	289	568	2236	894	807	429	2829	1960
Ringgold	2713	22	72	250	541	177	232	157	1262	1946
Sac	5648	23	82	180	782	670	811	478	2622	1944
Scott	61379	388	1863	3866	14706	11530	8009	5194	15823	1961
Shelby	5430	13	96	181	875	705	574	551	2435	1945
Sioux	10333	146	239	460	2268	1422	1125	748	3925	1954
Story	26847	242	1371	1812	7213	4990	3186	2160	5873	1964
Tama	7417	13	168	341	1162	715	738	534	3746	1939
Taylor	3307	5	25	158	584	300	282	189	1764	1939
Union	5622	13	61	272	1193	745	497	417	2424	1949
Van Buren	3529	33	79	247	719	295	195	207	1754	1941
Wapello	15640	106	213	618	2044	1936	2529	2021	6173	1948
Warren	13157	282	746	1073	3925	2631	1304	611	2585	1968
Washington	7866	44	133	421	1495	804	691	574	3704	1944
Wayne	3334	14	44	227	749	316	178	234	1572	1944
Webster	17063	50	286	530	2697	2333	2919	1573	6675	1951
Winnebago	5030	41	106	272	1087	690	670	408	1756	1955
Winneshiek	7726	126	306	378	1277	778	687	499	3675	1944
Woodbury	39071	194	1038	1561	6376	4344	5420	3779	16359	1948
Worth	3443	0	45	126	628	319	305	309	1711	1940
Wright	6636	39	58	337	1054	813	929	613	2793	1949
State of Iowa	1143669	11882	36834	66202	230514	159930	147913	90460	399934	1956

Table 2. Year Housing Units Built in Iowa Counties, 1980.

County	Total Units	1979- March 1980	1975- 1978	1970- 1974	1960- 1969	1950- 1959	1940- 1949	1939 or Earlier
Adair	3959	97	249	311	350	312	309	2331
Adams	2472	49	101	134	222	110	171	1685
Allamakee	5704	162	381	462	583	470	450	3196
Appanoose	6582	193	582	672	599	324	358	3854
Audubon	3520	31	164	116	303	366	362	2178
Benton	9087	276	782	661	851	773	654	5090
Black Hawk	50152	1323	5371	4396	7829	9982	6036	15215
Boone	10384	231	818	804	873	895	739	6024
Bremer	8807	277	961	717	1075	991	649	4137
Buchanan	8112	213	837	624	926	778	577	4157
Buena Vista	8137	101	595	587	835	1127	975	3917
Butler	6768	156	675	412	613	617	551	3744
Calhoun	5503	214	325	302	502	496	462	3202
Carroll	8363	260	733	541	947	940	919	4023
Cass	7007	153	437	442	758	655	591	3971
Cedar	7183	143	612	594	705	613	458	4058
Cerro Gordo	20472	445	1672	1572	2124	3453	2559	8647
Cherokee	6470	144	445	362	760	661	471	3627
Chickasaw	5701	142	539	449	640	444	338	3149
Clarke	3704	94	414	311	365	263	307	1950
Clay	7921	202	874	546	1053	1097	804	3345
Clayton	8069	130	523	486	660	580	509	5181
Clinton	21306	463	1155	1645	2551	2619	1887	10986
Crawford	7090	241	550	445	948	568	466	3872
Dallas	11544	556	1293	1151	1544	1017	862	5121
Davis	3543	79	362	300	364	394	222	1822
Decatur	3953	181	253	316	358	232	249	2364
Delaware	6525	180	626	506	795	466	452	3500
Des Moines	18413	446	1265	1590	2195	2255	2043	8619
Dickinson	7219	309	1018	730	1154	807	743	2458
Dubuque	31426	771	3097	3258	4884	3650	2379	13387
Emmet	5199	122	379	322	461	817	667	2431
Fayette	9715	159	630	545	886	850	823	5822
Floyd	7563	125	610	445	1182	720	757	3724
Franklin	5421	146	231	241	382	692	544	3185
Fremont	4000	100	211	338	431	211	263	2446
Greene	4987	77	314	296	362	465	495	2978
Grundy	5470	106	430	393	560	674	556	2751
Guthrie	5175	100	336	551	397	288	360	3143
Hamilton	7128	144	482	410	728	852	685	3827
Hancock	5365	76	540	518	471	508	508	2744
Hardin	8778	234	626	492	1008	892	947	4579
Harrison	6340	85	383	487	464	299	366	4256
Henry	7204	185	601	564	1042	699	613	3500
Howard	4269	72	301	288	409	345	259	2595
Humboldt	5006	131	470	292	548	559	418	2588
Ida	3617	89	276	187	263	323	223	2256
Iowa	5854	82	420	433	574	571	313	3461
Jackson	8136	261	814	672	1023	729	431	4206
Jasper	14323	403	1066	1357	1877	1880	1231	6509

Table 2. Year Housing Units Built in Iowa Counties, 1980 (continued).

County	Total Units	1979- March 1980	1975- 1978	1970- 1974	1960- 1969	1950- 1959	1940- 1949	1939 or Earlier
Jefferson	6029	112	450	328	813	573	497	3256
Johnson	31472	1068	4220	4684	8476	3832	1855	7337
Jones	7316	236	573	509	848	738	452	3960
Keokuk	5389	98	343	274	399	330	262	3683
Kossuth	8243	213	702	573	823	878	809	4245
Lee	16620	356	1097	1348	1814	1765	1439	8801
Linn	64621	2529	6639	5938	14167	11268	5158	18922
Louisa	4485	83	391	549	577	299	249	2337
Lucas	4458	200	331	366	393	209	353	2606
Lyon	4768	80	404	254	394	412	427	2797
Madison	4942	126	421	501	377	365	266	2886
Mahaska	9219	365	840	568	566	799	826	5255
Marion	10953	334	1322	1222	1521	1119	767	4668
Marshall	16332	200	1463	1477	2303	2099	1232	7558
Mills	4814	156	530	590	555	363	338	2282
Mitchell	4719	70	326	224	386	494	342	2877
Monona	4837	68	288	253	415	359	444	3010
Monroe	3810	132	341	304	325	221	188	2299
Montgomery	5800	129	369	350	515	510	416	3511
Muscatine	14977	404	1394	1323	1716	1473	1323	7344
O'Brien	6659	131	588	394	492	678	730	3646
Osceola	3264	62	240	153	261	384	312	1852
Page	8064	212	466	498	756	724	832	4576
Palo Alto	5069	114	449	332	432	487	492	2763
Plymouth	8855	164	761	687	1070	883	666	4624
Pocahontas	4655	40	278	271	444	445	467	2710
Polk	122081	4135	11505	14869	22111	20563	14565	34333
Pottawattamie	32328	615	2218	2987	5741	4827	2733	13207
Poweshiek	7950	148	650	655	812	685	588	4412
Ringgold	2923	94	202	205	223	161	194	1844
Sac	5848	168	286	304	502	614	529	3445
Scott	59698	2062	7411	6627	11283	8228	6005	18082
Shelby	5610	144	398	327	586	509	452	3194
Sioux	10412	279	1140	914	1346	967	985	4781
Story	25152	1071	3489	3145	4809	3209	2276	7153
Tama	7667	113	555	461	626	587	526	4799
Taylor	3673	85	245	205	191	224	263	2460
Union	5710	123	506	415	622	389	381	3274
Van Buren	3469	56	248	296	288	188	206	2187
Wapello	16263	269	951	990	1709	2163	1991	8190
Warren	12129	547	1731	2027	2445	1301	678	3400
Washington	7683	184	619	524	896	615	514	4331
Wayne	3806	79	274	282	306	238	306	2321
Webster	17778	399	1339	1026	2218	2627	1777	8392
Winnebago	5232	115	449	587	618	527	549	2387
Winneshiek	7414	177	647	492	722	620	387	4369
Woodbury	39000	492	2946	2820	4111	5057	4166	19408
Worth	3722	104	208	232	293	287	319	2279
Wright	6750	136	521	340	784	690	542	3737
State of Iowa	1121314	30236	100593	98973	155514	137312	101085	497601

Table 3. Year Housing Units Built in Iowa Counties, 1970.

County	Total Units	1969- March 1970	1965- 1968	1960- 1964	1950- 1959	1940- 1949	1939 or Earlier
Adair	3640	67	120	113	245	146	2949
Adams	2377	7	156	41	109	121	1943
Allamakee	5051	81	261	150	455	235	3869
Appanoose	6097	108	300	198	276	127	5088
Audubon	3394	27	115	139	423	208	2482
Benton	7900	103	492	362	704	369	5870
Black Hawk	41257	1109	3574	3813	9157	4898	18706
Boone	9168	147	313	485	784	518	6921
Bremer	7210	300	557	495	934	437	4487
Buchanan	6693	125	328	472	651	374	4743
Buena Vista	7230	137	262	354	986	701	4790
Butler	5820	115	274	271	549	364	4247
Calhoun	5341	63	278	250	447	271	4032
Carroll	7213	120	350	501	845	515	4882
Cass	6423	86	319	258	642	332	4786
Cedar	5976	124	298	307	601	312	4334
Cerro Gordo	17214	351	706	1092	2986	1843	10236
Cherokee	5884	52	301	351	650	348	4182
Chickasaw	4784	91	229	224	403	182	3655
Clarke	2980	74	137	160	273	106	2230
Clay	6627	114	356	558	911	636	4052
Clayton	7329	79	238	279	599	349	5785
Clinton	18626	472	1355	988	2361	928	12522
Crawford	6427	96	408	390	568	258	4707
Dallas	9126	181	584	798	918	426	6219
Davis	3046	60	155	169	289	184	2189
Decatur	3617	71	155	140	125	121	3005
Delaware	5700	86	256	316	438	257	4347
Des Moines	16733	506	1170	1006	1838	1681	10532
Dickinson	5043	175	363	420	630	505	2950
Dubuque	25250	670	2161	2590	3614	1359	14856
Emmet	4629	45	181	216	811	524	2852
Fayette	8946	176	329	432	735	363	6911
Floyd	6852	292	504	328	777	456	4495
Franklin	4981	46	100	178	591	419	3647
Fremont	3454	32	231	132	252	169	2638
Greene	4798	59	157	155	449	370	3608
Grundy	4854	151	212	274	543	360	3314
Guthrie	4736	81	234	91	215	262	3853
Hamilton	6589	100	233	384	888	461	4523
Hancock	4695	75	271	232	580	368	3169
Hardin	8052	122	470	462	967	532	5499
Harrison	5784	73	225	215	214	172	4885
Henry	6391	159	573	438	563	330	4328
Howard	3905	20	162	163	346	135	3079
Humboldt	4325	74	226	231	600	278	2916
Ida	3246	39	49	124	270	136	2628
Iowa	5219	109	312	243	456	217	3882
Jackson	6709	151	343	357	760	328	4770
Jasper	12238	279	770	835	1796	708	7850

Table 3. Year Housing Units Built in Iowa Counties, 1970 (continued).

County	Total Units	1969- March 1970	1965- 1968	1960- 1964	1950- 1959	1940- 1949	1939 or Earlier
Jefferson	5734	49	340	345	617	253	4130
Johnson	23587	936	5251	2865	3263	1631	9641
Jones	6234	157	360	297	740	332	4348
Keokuk	5234	60	217	177	339	155	4286
Kossuth	7386	111	296	375	713	575	5316
Lee	14826	318	861	841	1600	848	10358
Linn	53903	2410	7057	6127	10135	3697	24477
Louisa	3808	119	282	219	259	153	2776
Lucas	4010	146	150	144	234	174	3162
Lyon	4358	50	170	236	427	221	3254
Madison	4230	43	128	188	259	118	3494
Mahaska	8134	84	314	403	675	520	6138
Marion	8576	266	516	779	913	558	5544
Marshall	13968	276	1101	1112	1838	817	8824
Mills	3917	61	267	236	255	177	2921
Mitchell	4307	52	174	169	468	242	3202
Monona	4494	111	188	174	297	343	3381
Monroe	3476	61	78	105	174	71	2987
Montgomery	4996	74	165	180	452	266	3859
Muscatine	12600	247	840	841	1271	598	8803
O'Brien	6099	51	243	307	653	392	4453
Osceola	2954	25	80	108	313	298	2130
Page	7128	136	266	257	547	422	5500
Palo Alto	4627	84	196	217	413	394	3323
Plymouth	7544	157	445	578	795	390	5179
Pocahontas	4451	43	115	248	437	272	3336
Polk	98268	3861	9086	9178	19716	10599	45828
Pottawattamie	28103	504	1670	3216	4899	1885	15929
Poweshiek	6363	125	379	373	623	262	4601
Ringgold	2739	21	69	54	171	186	2238
Sac	5555	76	271	225	552	467	3964
Scott	46346	1656	5692	4614	7702	4660	22022
Shelby	4946	90	265	273	449	275	3594
Sioux	8406	173	621	610	968	530	5504
Story	19047	580	2706	2096	2919	1954	8792
Tama	7061	94	289	289	555	271	5563
Taylor	3551	27	96	121	160	129	3018
Union	5176	82	341	266	447	141	3899
Van Buren	3396	16	182	96	170	103	2829
Wapello	15393	270	711	808	2183	1356	10065
Warren	8413	322	935	1230	1302	427	4197
Washington	6620	98	408	298	452	272	5092
Wayne	3495	38	94	152	187	135	2889
Webster	16301	296	1032	963	2455	1105	10450
Winnebago	4506	102	253	265	449	332	3105
Winneshiek	6421	60	323	303	528	277	4930
Woodbury	35072	835	1739	1843	4718	2080	23857
Worth	3330	60	97	114	288	137	2634
Wright	6307	54	279	395	640	470	4469
State of Iowa	954975	23447	69791	68490	126844	67669	598734

Table 4. Year Housing Units Built in Iowa Counties, 1960.

County	Total Units	1959- March 1960	1955- 1958	1950- 1954	1940- 1949	1930- 1939	1929 or Earlier
Adair	3978	31	76	159	218	185	3309
Adams	2733	12	76	58	95	155	2337
Allamakee	5027	71	260	194	420	286	3796
Appanoose	6391	77	91	152	217	338	5516
Audubon	3668	49	103	263	265	247	2741
Benton	7744	100	340	398	562	337	6007
Black Hawk	37336	1390	4607	4473	5543	3860	17463
Boone	9133	156	362	427	455	484	7249
Bremer	6448	173	413	560	531	425	4346
Buchanan	6647	159	374	467	520	416	4711
Buena Vista	7145	150	376	596	883	537	4603
Butler	5776	88	246	400	400	266	4376
Calhoun	5705	69	178	363	415	418	4262
Carroll	6991	105	390	547	547	483	4919
Cass	6438	143	412	286	360	454	4783
Cedar	5930	114	338	361	388	239	4490
Cerro Gordo	17068	423	1503	1573	1828	2141	9600
Cherokee	5648	111	265	355	355	376	4186
Chickasaw	4633	78	217	231	214	216	3677
Clarke	3106	48	117	92	194	185	2470
Clay	6285	136	425	512	681	713	3818
Clayton	7380	102	313	262	496	486	5721
Clinton	17293	394	1159	1162	1331	971	12276
Crawford	6164	89	279	297	343	266	4890
Dallas	8403	249	446	426	583	508	6191
Davis	3214	35	109	168	133	155	2614
Decatur	3890	25	69	136	188	172	3300
Delaware	5876	116	346	269	401	410	4334
Des Moines	15117	213	791	1282	1858	893	10080
Dickinson	7690	174	464	762	1129	941	4220
Dubuque	22007	739	1716	1676	1518	1107	15251
Emmet	4762	101	290	446	520	461	2944
Fayette	9111	150	416	426	481	559	7079
Floyd	6904	79	310	491	567	476	4981
Franklin	5268	82	197	382	504	379	3724
Fremont	3830	31	78	143	223	265	3090
Greene	5235	28	135	296	377	370	4029
Grundy	4690	71	245	297	425	274	3378
Guthrie	4981	41	116	158	314	253	4099
Hamilton	6708	131	368	469	509	363	4868
Hancock	4712	66	275	349	483	339	3200
Hardin	7942	96	498	426	659	497	5766
Harrison	6067	59	146	177	178	290	5217
Henry	6135	85	207	437	382	318	4706
Howard	4065	45	131	154	165	162	3408
Humboldt	4307	111	245	279	354	294	3024
Ida	3483	56	138	182	125	180	2802
Iowa	5268	72	270	238	192	197	4299
Jackson	6522	156	397	450	345	276	4898
Jasper	11753	236	895	972	860	954	7836

Table 4. Year Housing Units Built in Iowa Counties, 1960 (continued).

County	Total Units	1959- March 1960	1955- 1958	1950- 1954	1940- 1949	1930- 1939	1929 or Earlier
Jefferson	5506	87	229	298	339	363	4190
Johnson	15802	656	1805	1317	1959	1376	8689
Jones	6136	105	262	397	385	384	4603
Keokuk	5659	36	201	152	241	242	4787
Kossuth	7598	108	396	435	618	693	5348
Lee	14391	213	728	875	951	921	10703
Linn	43825	1721	5872	4652	3977	3059	24544
Louisa	3730	48	210	197	200	227	2848
Lucas	4075	34	116	100	164	266	3395
Lyon	4397	62	162	250	335	259	3329
Madison	4406	32	120	230	239	245	3540
Mahaska	8349	93	302	396	501	484	6573
Marion	8274	188	486	511	636	525	5928
Marshall	12616	263	1165	910	835	945	8498
Mills	3949	16	185	142	218	298	3090
Mitchell	4410	75	187	191	260	206	3491
Monona	5000	52	96	230	298	310	4014
Monroe	3599	22	116	111	107	125	3118
Montgomery	5334	57	166	269	283	292	4267
Muscatine	11815	275	642	757	808	894	8439
O'Brien	6163	68	374	428	564	374	4355
Osceola	3176	51	199	185	267	268	2206
Page	7448	83	211	334	591	491	5738
Palo Alto	4763	65	176	238	425	292	3567
Plymouth	7218	92	330	484	383	398	5531
Pocahontas	4673	24	191	233	350	301	3574
Polk	89082	3511	9020	10019	10866	8877	46789
Pottawattamie	26247	872	2785	2046	1454	1974	17116
Poweshiek	6212	106	327	343	302	213	4921
Ringgold	3063	24	52	118	119	124	2626
Sac	5909	73	309	369	469	367	4322
Scott	37060	1073	2859	4404	4560	2877	21287
Shelby	4860	77	151	258	274	320	3780
Sioux	7870	118	330	596	617	581	5628
Story	14978	598	1482	1099	2176	1321	8302
Tama	7180	93	260	316	368	364	5779
Taylor	4097	29	56	80	100	181	3651
Union	5166	49	182	275	246	276	4138
Van Buren	3751	60	43	92	85	112	3359
Wapello	15874	243	735	1369	1756	1676	10095
Warren	6645	358	786	336	458	463	4244
Washington	6535	88	238	268	368	368	5205
Wayne	3995	52	56	103	109	234	3441
Webster	15848	266	1018	1788	1465	1110	10201
Winnebago	4271	70	246	258	341	353	3003
Winneshiek	6309	71	299	237	323	369	5010
Woodbury	35410	669	1717	3141	2288	3232	24363
Worth	3353	61	91	172	233	251	2545
Wright	6633	109	284	372	529	422	4917
State of Iowa	905267	20711	60471	68060	76174	65880	613971

Table 5. Year Housing Units Built in Iowa Counties, 1950.

County	Total Units	1945- 1950	1940- 1944	1930- 1939	1920- 1929	1919 or Earlier
Adair	3960	205	55	120	360	3220
Adams	2910	130	60	235	330	2155
Allamakee	4785	275	140	235	405	3730
Appanoose	6885	150	50	190	740	5755
Audubon	3550	270	110	180	565	2425
Benton	7185	380	120	290	645	5750
Black Hawk	29050	4395	2085	3295	3560	15715
Boone	8405	400	100	380	970	6555
Bremer	5475	345	125	300	490	4215
Buchanan	5910	370	170	380	445	4545
Buena Vista	6465	780	320	395	730	4240
Butler	5305	390	115	220	450	4130
Calhoun	5345	365	70	260	550	4100
Carroll	6420	460	145	480	750	4585
Cass	6095	395	105	315	670	4610
Cedar	5300	445	125	220	440	4070
Cerro Gordo	13845	1355	605	1700	2430	7755
Cherokee	5095	415	150	345	595	3590
Chickasaw	4465	235	85	165	375	3605
Clarke	3230	175	40	135	290	2590
Clay	5565	645	270	470	690	3490
Clayton	7015	360	125	420	690	5420
Clinton	15025	915	520	550	1300	11740
Crawford	5765	330	60	265	475	4635
Dallas	7635	520	190	430	725	5770
Davis	3350	175	30	130	335	2680
Decatur	3865	190	35	130	255	3255
Delaware	5165	310	95	315	455	3990
Des Moines	13055	630	1300	560	1560	9005
Dickinson	6900	965	370	1695	920	2950
Dubuque	18665	1570	335	680	1925	14155
Emmet	4125	420	130	370	525	2680
Fayette	8375	450	130	280	855	6660
Floyd	6440	560	215	315	535	4815
Franklin	4855	415	115	320	465	3540
Fremont	4130	170	40	205	415	3300
Greene	5005	400	120	300	490	3695
Grundy	4260	460	125	295	355	3025
Guthrie	5105	190	105	210	520	4080
Hamilton	5990	545	200	365	620	4260
Hancock	4325	360	175	390	450	2950
Hardin	7155	560	155	310	665	5465
Harrison	6080	150	40	220	625	5045
Henry	5520	350	155	175	400	4440
Howard	3895	190	75	170	315	3145
Humboldt	3875	350	70	210	315	2930
Ia	3290	165	40	165	255	2665
Iowa	4640	195	110	250	350	3735
Jackson	5655	315	85	195	335	4725
Jasper	9925	725	275	825	1625	6475

Table 5. Year Housing Units Built in Iowa Counties, 1950 (continued).

County	Total Units	1945- 1950	1940- 1944	1930- 1939	1920- 1929	1919 or Earlier
Jefferson	5105	240	85	415	720	3645
Johnson	11465	1925	295	1030	1540	6675
Jones	5590	430	100	270	285	4505
Keokuk	5680	235	45	175	445	4780
Kossuth	7165	560	260	635	780	4930
Lee	12980	800	360	585	1640	9595
Linn	32285	3140	1375	2200	4720	20850
Louisa	3645	220	65	115	205	3040
Lucas	3905	180	30	245	385	3065
Lyon	4145	300	160	205	395	3085
Madison	4295	170	60	190	390	3485
Mahaska	7925	515	150	295	820	6145
Marion	7650	555	195	510	1045	5345
Marshall	10795	795	430	625	1275	7670
Mills	3745	175	50	205	455	2860
Mitchell	4125	245	65	115	325	3375
Monona	5010	315	160	335	520	3680
Monroe	3855	110	30	85	255	3375
Montgomery	4870	245	50	340	695	3540
Muscatine	10215	605	180	535	850	8045
O'Brien	5590	355	170	700	510	3855
Osceola	3000	230	120	185	235	2230
Page	7170	575	105	385	790	5315
Palo Alto	4355	285	90	270	610	3100
Plymouth	6520	395	110	180	835	5000
Pocahontas	4405	335	160	380	310	3220
Polk	70350	7810	4685	7475	14425	35955
Pottawattamie	20770	1170	340	1295	3470	14495
Poweshiek	5585	255	100	210	615	4405
Ringgold	3070	110	25	150	285	2500
Sac	5440	420	180	295	550	3995
Scott	29260	3095	1955	2375	3200	18635
Shelby	4495	270	105	200	375	3545
Sioux	7450	515	125	315	610	5885
Story	12450	1985	720	850	1585	7310
Tama	6845	400	120	340	480	5505
Taylor	4175	125	25	55	340	3630
Union	5130	265	65	225	505	4070
Van Buren	3435	80	50	100	250	2955
Wapello	14790	1405	630	1510	1500	9745
Warren	5545	405	165	265	655	4055
Washington	6140	310	80	275	500	4975
Wayne	4120	130	50	180	395	3365
Webster	13020	1275	425	705	2025	8590
Winnebago	3830	295	70	215	355	2895
Winneshiek	6020	250	95	240	605	4830
Woodbury	31570	1745	960	2235	7120	19510
Worth	3260	125	85	285	350	2415
Wright	6190	470	140	295	555	4730
State of Iowa	792760	62360	26560	52355	97020	554465

Table 6. Year Housing Units Built in Iowa Counties, 1940.

County	Total Units	1935- 1940	1930- 1934	1925- 1929	1920- 1924	1910- 1919	1900- 1909	1890- 1899	1880- 1889	1860- 1879	1859 or Earlier	Not Reported
Adair	3889	94	83	119	175	642	785	815	734	323	36	83
Adams	3114	124	164	131	162	436	640	700	434	238	16	69
Allamakee	4688	237	152	128	219	671	710	737	652	889	151	142
Appanoose	7223	160	154	162	367	1388	1658	1135	605	222	33	1339
Audubon	3311	126	82	103	201	711	741	634	494	156	8	55
Benton	6584	197	100	134	399	1032	1250	1373	834	914	81	270
Black Hawk	23053	2472	1345	1610	1806	4844	4900	2874	1513	896	129	664
Boone	8194	226	168	307	496	1383	1654	1652	1080	876	77	275
Bremer	5056	186	104	193	240	913	888	904	531	402	46	649
Buchanan	5542	248	139	118	243	783	1017	1108	895	797	89	105
Buena Vista	5651	354	147	204	429	1075	1173	1082	696	187	11	293
Butler	5074	213	101	174	278	702	1103	988	821	564	65	65
Calhoun	5058	212	119	148	316	936	1147	1085	556	182	18	339
Carroll	5815	188	169	164	303	1033	1089	926	567	116	6	1254
Cass	5680	163	122	185	393	963	1123	1310	868	410	49	94
Cedar	4929	153	78	87	212	563	949	626	843	657	198	563
Cerro Gordo	12766	1168	786	868	1155	2739	2636	1726	877	451	22	338
Cherokee	4670	195	140	160	278	768	857	880	837	124	14	417
Chickasaw	4201	134	65	95	190	605	716	893	629	465	38	371
Clarke	3204	120	88	91	150	468	730	718	393	246	18	182
Clay	5016	401	232	155	363	905	944	840	398	120	5	653
Clayton	6957	251	211	286	467	927	1106	1045	911	1174	296	283
Clinton	12768	378	270	554	712	1417	1846	2634	2392	1831	253	481
Crawford	5550	126	101	143	258	1046	1163	1264	801	210	13	425
Dallas	7388	294	198	253	383	1231	1534	1332	906	586	61	610
Davis	3394	90	69	101	158	519	608	689	493	308	37	322
Decatur	4174	121	102	101	224	610	889	902	522	282	36	385
Delaware	5135	273	137	155	269	693	1018	892	718	611	137	232
Des Moines	11144	216	195	582	667	1193	1813	1969	1394	1506	392	1217
Dickinson	5609	593	524	600	678	1157	810	575	289	54	16	313
Dubuque	16268	376	411	768	953	1833	2589	2986	2256	2705	550	841
Emmet	3634	316	165	183	332	827	840	607	173	25	4	162
Fayette	8152	204	115	234	455	1180	1561	1438	1037	819	107	1002
Floyd	5839	239	137	187	232	905	1060	1190	838	719	72	260
Franklin	4538	248	134	156	263	711	962	933	672	291	19	149
Fremont	4364	189	148	164	217	594	852	820	636	547	36	161
Greene	4840	319	151	138	251	903	878	1055	779	267	22	77
Grundy	3727	185	94	113	182	649	747	665	543	134	8	407
Guthrie	5059	251	169	151	235	860	1026	995	733	430	37	172
Hamilton	5494	255	140	172	263	937	1264	1177	594	352	36	304
Hancock	4025	312	142	141	249	812	950	896	384	60	10	69
Hardin	6451	277	137	216	370	1031	1284	1102	798	561	63	612
Harrison	6536	156	157	231	352	1096	1367	1339	872	517	49	400
Henry	5028	134	62	112	235	664	972	926	634	616	145	528
Howard	3673	134	64	123	189	536	795	730	505	345	36	216
Humboldt	3620	216	83	61	176	669	678	819	556	154	27	181
Ida	3073	62	38	73	176	449	533	683	437	116	114	392
Iowa	4762	98	89	108	262	873	1019	804	543	682	72	212
Jackson	5393	183	96	118	237	591	965	1024	787	863	234	295
Jasper	9179	318	348	835	624	1320	1534	1428	1164	687	74	847

Table 6. Year Housing Units Built in Iowa Counties, 1940 (continued).

County	Total Units	1935- 1940	1930- 1934	1925- 1929	1920- 1924	1910- 1919	1900- 1909	1890- 1899	1880- 1889	1860- 1879	1859 or Earlier	Not Reported
Jefferson	4808	119	111	194	321	769	729	747	618	464	90	646
Johnson	9623	633	581	731	1009	1562	1488	1216	809	742	167	685
Jones	5237	192	134	107	229	615	698	1000	902	1063	189	108
Keokuk	5725	124	84	106	231	933	1165	1540	790	585	72	95
Kossuth	6587	526	218	191	406	1161	1515	1421	565	139	12	433
Lee	12045	359	302	557	724	1463	1745	1846	1208	1276	474	2091
Linn	27156	1165	846	2146	2572	5251	5233	4739	2618	1881	363	342
Louisa	3419	107	63	84	147	430	756	658	437	441	95	201
Lucas	4363	127	182	250	298	754	867	718	538	357	27	245
Lyon	3811	164	70	109	231	716	863	898	389	45	3	323
Madison	4423	169	98	137	206	653	730	687	514	431	82	716
Mahaska	7929	235	156	195	362	1113	1332	1591	1193	1157	235	360
Marion	7477	299	155	237	569	1212	1292	944	729	575	89	1376
Marshall	9914	384	290	404	610	1496	2075	1838	1089	790	74	864
Mills	3866	145	136	147	244	577	627	758	673	452	36	71
Mitchell	3969	141	84	103	161	541	647	814	663	595	91	129
Monona	5065	318	222	211	309	838	1118	1040	549	243	34	183
Monroe	4127	99	82	108	268	857	1179	660	322	335	75	142
Montgomery	4778	108	86	178	298	831	1105	849	597	271	21	434
Muscatine	9572	440	258	329	447	1474	2111	1711	1153	956	231	462
O'Brien	5230	232	107	111	270	774	847	747	623	92	23	1404
Osceola	2706	227	55	74	186	524	710	518	291	44	8	69
Page	6963	210	189	268	347	1128	1611	1151	730	327	30	972
Palo Alto	4071	262	97	101	214	659	1019	1033	347	98	21	220
Plymouth	6145	141	164	209	339	1037	1180	1478	1058	260	12	267
Pocahontas	4263	272	116	97	228	794	1097	1074	396	44	10	135
Polk	58444	4441	2929	5053	7882	12803	10192	5729	3294	1477	167	4477
Pottawattamie	19320	541	684	1512	2148	3839	3832	2929	1883	868	101	983
Poweshiek	5527	132	62	80	218	795	1062	1118	1031	744	90	195
Ringgold	3426	63	64	116	195	521	581	652	413	126	10	685
Sac	5001	215	171	186	378	1042	994	1039	653	147	19	157
Scott	24773	1270	985	1381	1712	4334	5251	3869	2650	2385	685	251
Shelby	4366	143	127	120	224	807	1061	945	641	209	11	78
Sioux	6749	281	180	219	495	1237	1459	1435	688	111	10	634
Story	9406	617	339	590	808	1583	1597	1295	851	474	35	1217
Tama	6354	230	139	153	313	1050	1304	1242	1006	594	63	260
Taylor	4400	66	65	98	199	659	973	1083	869	296	19	73
Union	5009	97	103	218	345	755	1246	1297	625	219	24	80
Van Buren	3933	50	65	81	161	455	918	779	492	668	175	89
Wapello	13207	979	637	629	885	2102	3073	2241	1385	776	110	390
Warren	5334	189	183	201	362	893	1257	1013	578	410	71	177
Washington	5968	183	101	131	296	887	1040	1272	897	846	140	175
Wayne	4243	83	75	84	222	860	1140	843	558	173	11	194
Webster	11618	426	321	717	1057	2273	2829	1818	1020	472	19	666
Winnebago	3609	204	128	115	211	597	1008	738	362	111	5	130
Winneshiek	5942	215	135	190	323	771	1085	1181	934	884	91	133
Woodbury	29630	1159	1281	2733	3856	6375	6532	4203	2470	452	34	535
Worth	3055	155	73	101	196	531	507	711	379	146	9	247
Wright	5576	207	114	170	419	1191	1056	1214	795	121	15	274
State of Iowa	726654	33329	23072	34657	52575	124315	143109	126247	82899	53059	8544	44848

Table 7. Percentage of Housing Units Built Less than 10 Years Ago and More than 30 Years Ago in Iowa Counties, 1940-1990.

County	Built Less than 10 Years Ago						Built More than 30 Years Ago					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Adair	6.8	16.6	8.2	6.7	6.6	4.6	67.7	66.7	81.0	83.2	81.3	71.4
Adams	8.4	11.5	8.6	5.3	6.5	9.2	68.5	75.1	81.7	85.5	74.1	67.3
Allamakee	12.9	17.6	9.7	10.4	8.7	8.3	57.3	63.9	76.6	75.5	78.0	70.0
Appanoose	10.1	22.0	9.9	5.0	2.9	4.3	51.9	64.0	83.5	86.3	83.6	69.1
Audubon	3.4	8.8	8.3	11.3	10.7	6.3	75.8	72.2	73.1	74.7	68.3	63.1
Benton	7.3	18.9	12.1	10.8	7.0	4.5	60.6	63.2	74.3	77.6	80.0	71.7
Black Hawk	7.3	22.1	20.6	28.0	22.3	16.6	56.2	42.4	45.3	46.8	54.1	47.6
Boone	8.6	17.8	10.3	10.3	5.9	4.8	65.9	65.1	75.5	79.4	78.0	68.5
Bremer	6.6	22.2	18.8	17.8	8.6	5.7	58.1	54.3	62.2	67.4	77.0	67.6
Buchanan	10.0	20.6	13.8	15.0	9.1	7.0	53.0	58.4	70.9	70.9	76.9	72.4
Buena Vista	10.1	15.8	10.4	15.7	17.0	8.9	62.6	60.1	66.3	64.4	65.6	60.9
Butler	6.2	18.4	11.3	12.7	9.5	6.2	61.3	63.5	73.0	75.8	77.9	71.1
Calhoun	7.6	15.3	11.1	10.7	8.1	6.5	64.1	66.6	75.5	74.7	76.7	65.8
Carroll	9.6	18.3	13.5	14.9	9.4	6.1	60.2	59.1	67.7	70.4	71.4	68.1
Cass	7.8	14.7	10.3	13.1	8.2	5.0	64.2	65.1	74.5	74.3	75.6	67.9
Cedar	10.0	18.8	12.2	13.7	10.8	4.7	60.5	62.9	72.5	75.7	76.8	77.8
Cerro Gordo	9.5	18.0	12.5	20.5	14.2	15.3	62.0	54.7	59.5	56.2	56.0	47.4
Cherokee	4.9	14.7	12.0	12.9	11.1	7.2	64.8	63.3	71.1	74.1	70.5	67.0
Chickasaw	7.2	19.8	11.4	11.4	7.2	4.7	61.1	61.2	76.4	79.4	80.7	74.1
Clarke	8.9	22.1	12.4	8.3	6.7	6.5	50.5	60.9	74.8	79.5	80.2	71.4
Clay	6.7	20.5	15.5	17.1	16.4	12.6	60.2	52.4	61.1	60.7	62.7	59.0
Clayton	8.1	14.1	8.1	9.2	6.9	6.6	64.1	70.5	78.9	77.5	77.3	69.2
Clinton	5.0	15.3	15.1	15.7	9.6	5.1	63.9	60.4	67.2	71.0	78.1	73.9
Crawford	10.1	17.4	13.9	10.8	6.8	4.1	56.1	61.2	73.2	79.3	80.4	69.8
Dallas	11.8	26.0	17.1	13.3	9.3	6.7	50.8	51.8	68.1	73.7	75.6	68.1
Davis	10.2	20.9	12.6	9.7	6.1	4.7	55.6	57.7	71.9	81.3	80.0	72.4
Decatur	12.9	19.0	10.1	5.9	5.8	5.3	56.0	66.1	83.1	84.8	84.2	72.3
Delaware	10.3	20.1	11.5	12.4	7.8	8.0	54.0	60.6	76.3	73.8	77.3	70.3
Des Moines	6.4	17.9	16.0	15.1	14.8	3.7	62.1	57.9	62.9	66.7	69.0	74.4
Dickinson	11.5	28.5	19.0	18.2	19.3	19.9	47.0	44.3	58.5	54.9	42.8	36.7
Dubuque	8.3	22.7	21.5	18.8	10.2	4.8	55.2	50.2	58.8	69.3	75.8	73.3
Emmet	4.3	15.8	9.5	17.6	13.3	13.2	68.3	59.6	61.6	61.8	65.0	49.8
Fayette	5.3	13.7	10.5	10.9	6.9	3.9	67.7	68.4	77.3	77.7	79.5	73.2
Floyd	4.3	15.6	16.4	12.7	12.0	6.4	61.3	59.2	65.6	72.1	74.8	70.9
Franklin	5.3	11.4	6.5	12.5	10.9	8.4	71.6	68.8	73.2	70.7	72.9	66.7
Fremont	7.0	16.2	11.4	6.6	5.1	7.7	60.4	67.7	76.4	80.7	79.9	69.9
Greene	7.4	13.8	7.7	8.8	10.4	9.7	68.8	69.6	75.2	77.0	73.8	63.6
Grundy	5.8	17.0	13.1	13.1	13.7	7.5	63.8	60.5	68.3	72.0	71.0	67.2
Guthrie	11.8	19.1	8.6	6.3	5.8	8.3	60.0	67.7	81.4	82.3	79.9	67.1
Hamilton	7.8	14.5	10.9	14.4	12.4	7.2	65.4	63.3	68.6	72.6	71.1	67.8
Hancock	7.9	21.1	12.3	14.6	12.4	11.3	60.1	60.6	67.5	67.9	68.2	58.9
Hardin	7.1	15.4	13.1	12.8	10.0	6.4	62.6	63.0	68.3	72.6	76.4	68.5
Harrison	8.0	15.1	8.9	6.3	3.1	4.8	66.6	72.9	84.5	86.0	83.0	69.5
Henry	13.4	18.7	18.3	11.9	9.1	3.9	52.9	57.1	67.7	76.7	80.4	76.0
Howard	7.5	15.5	8.8	8.1	6.8	5.4	65.1	66.9	78.8	83.8	80.7	71.5
Humboldt	6.6	17.8	12.3	14.7	10.8	8.3	63.0	60.0	67.4	70.2	75.6	66.7
Ida	8.2	15.3	6.5	10.8	6.2	3.3	70.3	68.5	81.0	80.4	81.0	74.0
Iowa	9.1	16.0	12.7	11.0	6.6	3.9	62.0	64.5	74.4	81.6	80.5	70.0
Jackson	9.3	21.5	12.7	15.4	7.1	5.2	56.1	57.0	71.1	75.1	83.6	77.3
Jasper	10.9	19.7	15.4	17.9	10.1	7.3	56.6	54.0	64.1	66.7	65.2	62.5

Table 7. Percentage of Housing Units Built Less than 10 Years Ago and More than 30 Years Ago in Iowa Counties, 1940-1990 (continued).

County	Built Less than 10 Years Ago						Built More than 30 Years Ago					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Jefferson	16.1	14.8	12.8	11.2	6.4	4.8	58.3	62.2	72.0	76.1	71.4	68.5
Johnson	21.8	31.7	38.4	23.9	19.4	12.6	33.6	29.2	40.9	55.0	58.2	53.1
Jones	7.7	18.0	13.1	12.5	9.5	6.2	57.7	60.3	69.7	75.0	80.6	75.6
Keokuk	5.2	13.3	8.7	6.9	4.9	3.6	66.3	73.2	81.9	84.6	84.2	74.2
Kossuth	7.7	18.1	10.6	12.4	11.4	11.3	63.7	61.3	72.0	70.4	68.8	62.0
Lee	7.6	16.9	13.6	12.6	8.9	5.5	63.2	61.6	69.9	74.4	73.9	71.7
Linn	11.2	23.4	28.9	27.9	14.0	7.4	47.7	37.3	45.4	56.0	64.6	55.9
Louisa	9.8	22.8	16.3	12.2	7.8	5.0	49.2	57.7	72.9	76.4	83.4	75.7
Lucas	8.3	20.1	11.0	6.1	5.4	7.1	56.2	66.4	78.9	83.3	78.5	63.1
Lyon	6.3	15.5	10.5	10.8	11.1	6.1	67.2	67.6	74.7	75.7	74.4	66.2
Madison	10.1	21.2	8.5	8.7	5.4	6.0	59.5	63.8	82.6	80.3	81.1	71.4
Mahaska	10.3	19.2	9.8	9.5	8.4	4.9	57.0	66.0	75.5	78.7	77.5	74.0
Marion	13.6	26.3	18.2	14.3	9.8	6.1	48.0	49.6	64.6	71.6	69.9	66.9
Marshall	4.1	19.2	17.8	18.5	11.3	6.8	61.6	53.8	63.2	67.4	71.1	67.9
Mills	11.2	26.5	14.4	8.7	6.0	7.3	50.6	54.4	74.6	78.2	76.4	67.7
Mitchell	7.9	13.1	9.2	10.3	7.5	5.7	66.7	68.2	74.3	79.2	81.8	74.0
Monona	4.8	12.6	10.5	7.6	9.5	10.7	67.5	71.4	75.2	80.3	73.5	62.5
Monroe	11.1	20.4	7.0	6.9	3.6	4.4	56.0	65.3	85.9	86.6	87.5	65.7
Montgomery	6.0	14.6	8.4	9.2	6.1	4.1	67.1	67.7	77.2	80.0	72.7	68.6
Muscatine	12.4	20.8	15.3	14.2	7.7	7.3	53.7	57.9	69.9	71.4	78.8	69.2
O'Brien	7.3	16.7	9.9	14.1	9.4	6.5	65.7	65.7	73.0	70.7	69.0	71.4
Osceola	6.9	13.9	7.2	13.7	11.7	10.4	68.9	66.3	72.1	69.5	74.3	60.6
Page	7.4	14.6	9.2	8.4	9.5	5.7	65.2	67.1	77.2	77.0	74.1	69.2
Palo Alto	7.8	17.7	10.7	10.1	8.6	8.8	61.9	64.2	71.8	74.9	71.2	67.3
Plymouth	10.7	18.2	15.6	12.6	7.7	5.0	58.3	59.7	68.7	76.6	76.7	69.2
Pocahontas	7.7	12.7	9.1	9.6	11.2	9.1	68.8	68.2	74.9	76.5	73.1	64.6
Polk	16.2	25.0	22.5	25.3	17.8	12.6	47.2	40.1	46.6	52.5	51.1	43.4
Pottawattamie	8.8	18.0	19.2	21.7	7.3	6.3	57.5	49.3	56.7	65.2	69.8	54.8
Poweshiek	12.2	18.3	13.8	12.5	6.4	3.5	49.6	62.9	72.3	79.2	78.9	76.7
Ringgold	12.7	17.1	5.3	6.3	4.4	3.7	60.9	69.7	81.7	85.7	81.4	72.0
Sac	5.0	13.0	10.3	12.7	11.0	7.7	69.2	68.0	71.4	73.1	73.4	60.2
Scott	10.0	27.0	25.8	22.5	17.3	9.1	47.3	40.3	47.5	57.4	63.7	60.9
Shelby	5.3	15.5	12.7	10.0	8.3	6.2	65.6	65.0	72.7	77.8	78.9	67.5
Sioux	8.2	22.4	16.7	13.3	8.6	6.8	56.1	55.4	65.5	71.5	79.0	64.3
Story	12.8	30.6	28.3	21.2	21.7	10.2	41.8	37.5	46.2	55.4	58.7	58.1
Tama	7.0	14.7	9.5	9.3	7.6	5.8	67.7	69.5	78.8	80.5	80.4	70.3
Taylor	5.7	14.6	6.9	4.0	3.6	3.0	67.6	74.1	85.0	89.1	86.9	75.3
Union	6.2	18.3	13.3	9.8	6.4	4.0	59.4	64.0	75.3	80.1	79.3	69.7
Van Buren	10.2	17.3	8.7	5.2	3.8	2.9	61.1	69.0	83.3	89.5	86.0	79.4
Wapello	6.0	13.6	11.6	14.8	13.8	12.2	68.6	62.6	65.4	63.6	65.9	60.4
Warren	16.0	35.5	29.6	22.3	10.3	7.0	34.2	33.6	49.9	63.9	73.1	65.7
Washington	7.6	17.3	12.1	9.1	6.4	4.8	63.2	63.1	76.9	79.6	81.0	73.2
Wayne	8.5	16.7	8.1	5.3	4.4	3.7	59.5	69.0	82.7	86.1	81.7	68.8
Webster	5.1	15.5	14.1	19.4	13.1	6.4	65.4	57.2	64.1	64.4	66.0	58.7
Winnebago	8.3	22.0	13.8	13.4	9.5	9.2	56.3	56.1	68.9	70.3	75.6	65.2
Winneshiek	10.5	17.8	10.7	9.6	5.7	5.9	62.9	64.1	76.8	79.4	80.2	72.5
Woodbury	7.1	16.0	12.6	15.6	8.6	8.2	65.4	60.4	68.0	68.8	61.8	48.0
Worth	5.0	14.6	8.1	9.7	6.4	7.5	67.5	69.8	79.1	75.9	74.1	65.4
Wright	6.5	14.8	11.5	11.5	9.9	5.8	65.3	63.4	70.9	74.1	76.4	62.3
State of Iowa	10.0	20.5	16.9	16.5	11.2	7.8	55.8	53.4	62.7	67.8	69.9	63.1

The percentages of 1990 housing units that had been constructed in 1959 or earlier ranged from one-third (Johnson, 33.6%) to three-quarters (Audubon, 75.8%). Other counties with less than half of their structures built at least 30 years ago included Dickinson, Linn, Louisa, Marion, Polk, Poweshiek, Scott, Story, and Warren (Figure 2). In contrast, 18 others in addition to Audubon reported at least two-thirds of their housing units built before 1960.

The 1990 census noted for the first time the median year (half before, half after) in which housing units were built (Table 1). For Johnson and Warren, the median year of construction was 1968; only eight others had medians in the 1960s (Dickinson, Linn, Louisa, Marion, Polk, Poweshiek, Scott, Story). Forty had medians in the 1950s and 36 occurred in the 1940s. In 13 counties, the median year of housing unit construction was 1939. Caution must be exercised in examining these medians, however. They are based on data grouped for several years of construction rather than each individual year; also, the earliest year reported was 1939, so all units constructed before that date were given that year, which also affects the calculation of the median.

Figure 1. Age of housing stock (in %) in Iowa, 1940-1990.

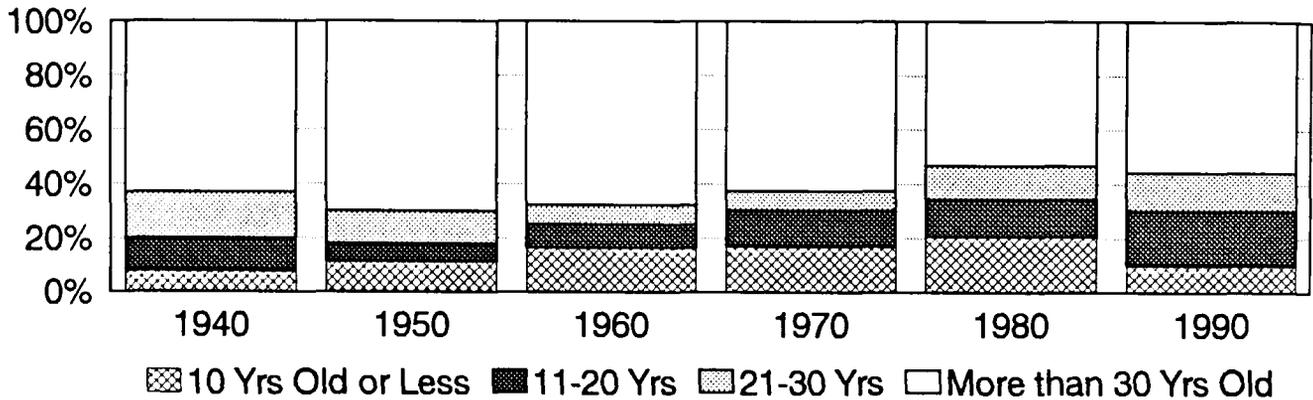
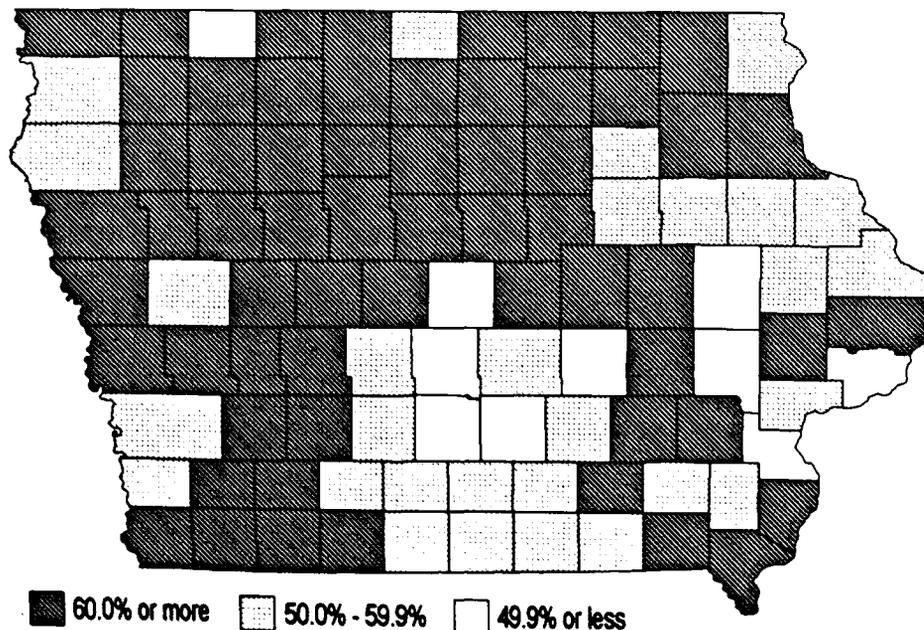


Figure 2. Percent housing units built more than 30 years ago, 1990.



Median Housing Value, Contract Rent, and Gross Rent in Iowa's Counties: 1940-1990

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Information on the median value of owner-occupied housing units and contract and gross rent for other units has been requested in the last several censuses. In 1990, the question for those owning the housing unit in which they were living was: What is the value of this property; that is, how much do you think this house and lot or condominium unit would sell for if it were for sale? Twenty-six categories ranging from less than \$10,000 to \$500,000 or more were provided as potential answers. Those paying rent were asked: What is the monthly rent? Again, 26 categories were listed; they ranged from less than \$80 to \$1,000 or more. The U.S. Bureau of the Census then calculated medians based on responses to these questions; the median is the point at which half the units are above the figure and half are below.

Questions related to housing value and contract rent were included in forms sent to all households in the 1990 census. Information for determination of gross rent was requested in a sample of households; 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. In general, the sampling rate selected about one of every six housing units in Iowa. The results were then weighted to represent total numbers of housing units for counties and the state.

Median Value of Owner-Occupied Housing Units

In 1990, the median value of housing units occupied by their owners was \$45,900 in Iowa (Table 1). That was a gain of more than \$5,000 from the 1980 figure. The greatest increase occurred between 1970 and 1980, when nearly \$27,000 was added to the median value of owner-occupied housing units. Dollar gains were modest in previous years, although the median more than tripled from 1940 to 1950.

The median value of these housing units in 1990 varied from less than \$25,000 in six counties (Decatur, Keokuk, Ringgold, Taylor, Van Buren, Wayne) in the southern part of the state to at least \$50,000 in nine others (Dallas, Dubuque, Johnson, Linn, Muscatine, Polk, Scott, Story, Warren) generally considered to be urban areas. Johnson's median of \$76,900 was \$13,000 above Story's second-place value.

The median value of owner-occupied housing units increased in two-thirds (68) of Iowa's 99 counties from 1980 to 1990 (Figure 1). In 28 of these 68, gains exceeded \$5,000. Eight (Jefferson, Johnson, Linn, Mills, Polk, Pottawattamie, Poweshiek, Winneshiek) reported increases in median value of at least \$10,000. Clinton and Wayne reported the same medians in 1980 and 1990. Twenty-nine counties had lower median values of owner-occupied housing units at the end of the period than at the beginning. Twenty-one of these 29 dropped by less than \$3,000; Audubon and Emmet were the only counties with declines greater than \$5,000.

When percentage change is calculated, declines ranged from 1% to 21%. Only in Audubon and Emmet did the median value drop by more than 15%, although Franklin, Palo Alto, and Sac reported decreases ranging from 10% to 13%. Increases ranged from 1% to 45%, although only Jefferson, Johnson, Mills, and Pottawattamie had median values that were at least 30% higher in 1990 than they had been 10 years earlier.

Table 1. Median Value (in Dollars) of Owner-Occupied Housing Units in Iowa Counties, 1940-1990.

County	1990	1980	1970	1960	1950	1940
Adair	29400	27800	8100	6000	4220	1513
Adams	28700	23500	7500	6000	4622	1379
Allamakee	39700	32900	11600	7900	5817	2228
Appanoose	25600	21200	6300	5000	2346	683
Audubon	25300	31100	10400	8800	6653	1694
Benton	38600	34700	10600	7300	4860	1622
Black Hawk	44100	46400	16200	11900	7958	3099
Boone	40300	37700	11100	8300	5312	1930
Bremer	45900	46900	15100	11100	6700	2751
Buchanan	36300	37000	10900	7600	5013	1565
Buena Vista	41400	38900	12800	9900	6967	2509
Butler	31600	34900	11200	7500	5268	2086
Calhoun	26700	29500	9300	7500	5377	1698
Carroll	42000	38900	12000	9100	6468	2028
Cass	34700	31600	11500	8200	5617	1714
Cedar	45700	42000	12800	9300	6172	2333
Cerro Gordo	45400	40600	14200	11500	7517	3088
Cherokee	32500	34100	12200	8800	5731	2073
Chickasaw	37200	39300	11800	8200	5417	1950
Clarke	36400	28900	8800	5500	4232	1200
Clay	41000	42000	14100	10300	7779	2712
Clayton	37200	32300	9600	7300	4907	2112
Clinton	39100	39100	14500	9900	6557	2337
Crawford	33900	34800	11300	7400	5496	1672
Dallas	50100	42700	12300	7500	5152	1488
Davis	28900	28400	9200	6100	4178	1257
Decatur	22700	21100	6300	5000	2852	939
Delaware	44600	37700	10700	7900	5143	1879
Des Moines	41600	37500	14100	9300	6730	2638
Dickinson	49400	43800	13500	8500	5977	2023
Dubuque	53600	48600	17900	12800	8505	2853
Emmet	27800	35100	12100	10100	6679	2561
Fayette	30100	32400	10100	7600	4979	1888
Floyd	36200	36700	14100	8900	5832	1988
Franklin	30500	35000	11800	9300	6322	2081
Fremont	32000	25100	7000	5000	3517	1274
Greene	27200	29300	9900	7300	6073	1920
Grundy	38100	42000	13200	8800	6703	2452
Guthrie	29200	26600	7700	5800	3673	1266
Hamilton	39900	37600	12500	8700	6034	2009
Hancock	36800	36100	10100	7900	5189	1708
Hardin	33800	35000	12300	8700	5952	2206
Harrison	33600	26800	9000	6200	4169	1222
Henry	43800	37300	12200	7500	5626	1662
Howard	30400	29300	9700	6800	4916	1878
Humboldt	34600	37400	11700	8600	5497	1856
Ida	29900	30300	10500	7600	6538	2000
Iowa	43600	35200	11900	8800	5568	1619
Jackson	41200	38600	11800	9500	5262	1887
Jasper	46000	37700	12200	9300	5965	1891

Table 1. Median Value (in Dollars) of Owner-Occupied Housing Units in Iowa Counties, 1940-1990 (continued).

County	1990	1980	1970	1960	1950	1940
Jefferson	47000	33300	12400	8400	5532	2204
Johnson	76900	58400	22500	15000	9231	3485
Jones	40800	35600	12800	9000	5718	1829
Keokuk	23900	21500	6900	5000	3615	1072
Kossuth	33900	37600	10500	8400	5764	2489
Lee	36300	33800	12000	8400	5906	2383
Linn	58500	46600	18100	13500	8395	3275
Louisa	39400	35700	10500	6400	3880	1141
Lucas	30200	28200	8500	6000	3837	1289
Lyon	31800	32700	10200	7500	5771	1883
Madison	42800	36000	10100	7100	4625	1239
Mahaska	36400	32600	9300	7500	5231	1844
Marion	48200	39600	12400	8400	4942	1428
Marshall	42100	40500	14400	10500	6705	2170
Mills	47000	35300	10400	6400	4196	1489
Mitchell	34700	31900	11000	7700	5496	1825
Monona	27400	25800	8600	6100	4492	1615
Monroe	27800	26700	7700	5500	2861	950
Montgomery	35200	30900	10100	7500	6487	1936
Muscatine	50600	43400	14500	9000	5544	2154
O'Brien	32700	34400	10700	8500	6319	2459
Osceola	28000	29700	10500	7900	5682	2422
Page	33700	30000	10600	8000	5723	1973
Palo Alto	28000	31700	9500	7200	5348	1826
Plymouth	48800	40900	13800	9000	6842	2145
Pocahontas	27000	29200	9700	7700	5915	2248
Polk	59700	48100	16100	12100	7249	2551
Pottawattamie	46900	32300	12800	9900	5728	2188
Poweshiek	47500	37300	12200	8600	5316	1715
Ringgold	22000	20100	6200	5000	3048	825
Sac	27100	30200	10700	8100	5910	2012
Scott	54400	51700	18800	13800	1009	3623
Shelby	36500	33800	12000	8300	6286	2021
Sioux	44700	40000	12400	8200	6139	2127
Story	63900	55100	19100	13000	7270	2912
Tama	32100	32400	10600	7000	5418	2027
Taylor	23000	21200	6500	5000	3593	948
Union	32900	28400	10500	6200	4705	1326
Van Buren	21300	19600	5700	5000	2716	807
Wapello	27000	25900	9300	7300	4750	1818
Warren	59300	51300	16900	10600	4795	1626
Washington	43000	37000	11800	8000	5696	1842
Wayne	19900	19900	6300	5000	2863	719
Webster	37000	39500	14600	10600	6859	2503
Winnebago	39300	36200	12500	8800	6002	2278
Winneshiek	49700	38800	11500	8800	5815	2139
Woodbury	41000	35600	13100	9600	7008	2857
Worth	33500	33300	10400	8000	5954	2234
Wright	32700	34500	11300	8000	5801	1881
State of Iowa	45900	40600	13900	9900	6320	2085

Table 2. Median Contract Rent and Median Gross Rent (in Dollars) in Iowa Counties, 1940-1990.

County	Median Contract Rent						Median Gross Rent					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Adair	164	104	55	42	25	11	240	161	78	58	36	18
Adams	174	104	48	44	27	11	239	148	70	62	36	18
Allamakee	172	119	63	38	26	11	243	176	81	57	35	17
Appanoose	174	112	61	32	22	8	254	173	87	44	29	12
Audubon	149	109	60	45	33	12	254	168	75	66	42	19
Benton	189	147	64	45	27	12	281	194	90	63	39	18
Black Hawk	255	205	85	59	39	25	326	254	105	72	46	29
Boone	230	155	70	50	38	15	301	195	91	65	44	21
Bremer	203	161	79	55	34	15	288	225	106	77	46	23
Buchanan	188	146	64	48	30	12	271	205	90	69	44	18
Buena Vista	218	138	68	54	42	17	298	201	90	70	52	25
Butler	162	124	61	43	26	12	279	193	96	66	39	19
Calhoun	165	123	64	43	29	13	255	172	82	62	40	19
Carroll	207	156	63	54	37	16	283	200	84	72	50	22
Cass	186	123	66	53	36	14	273	175	88	68	46	19
Cedar	220	152	72	53	29	13	316	219	102	74	43	21
Cerro Gordo	253	168	72	57	37	22	321	215	88	69	44	29
Cherokee	167	122	72	53	40	16	247	175	88	67	50	22
Chickasaw	183	137	68	43	29	13	262	178	94	67	42	20
Clarke	219	140	56	40	28	11	286	185	89	52	37	15
Clay	208	166	70	54	44	19	265	217	87	67	50	24
Clayton	173	119	54	37	23	12	241	167	75	55	34	17
Clinton	235	182	85	55	39	18	306	233	108	70	46	26
Crawford	198	151	70	46	30	12	272	204	96	66	42	19
Dallas	242	155	69	49	32	13	336	208	90	65	40	19
Davis	173	116	63	40	31	10	275	183	90	54	39	15
Decatur	163	103	54	35	25	8	220	148	73	53	32	14
Delaware	186	130	62	43	27	12	283	197	87	63	41	19
Des Moines	242	157	81	51	33	17	321	212	100	67	44	23
Dickinson	210	154	64	48	34	14	292	202	81	67	44	19
Dubuque	252	176	76	54	32	17	315	223	95	71	44	24
Emmet	178	150	68	54	40	17	247	193	89	71	50	25
Fayette	169	126	63	48	31	14	250	182	89	66	45	21
Floyd	182	137	66	44	33	16	265	185	85	64	44	22
Franklin	186	151	59	51	34	14	280	199	83	71	46	20
Fremont	168	109	52	34	23	10	262	185	76	59	35	15
Greene	171	120	61	47	36	14	265	181	82	65	44	19
Grundy	179	151	64	50	32	15	271	214	87	70	46	20
Guthrie	174	108	54	41	26	11	289	169	76	60	35	17
Hamilton	214	148	64	51	36	14	295	203	84	67	45	20
Hancock	191	142	64	44	27	13	291	206	90	67	39	20
Hardin	192	147	65	45	34	15	287	216	91	63	46	21
Harrison	182	108	59	44	25	11	277	175	85	64	35	18
Henry	229	149	70	45	28	12	308	200	93	63	36	16
Howard	152	109	54	41	26	13	233	172	84	63	39	20
Humboldt	189	146	68	46	30	13	270	209	99	65	41	19
Ida	167	109	57	46	29	14	268	166	81	65	40	18
Iowa	207	148	66	41	25	11	295	210	92	63	37	18
Jackson	189	134	66	47	26	11	272	199	91	69	40	17
Jasper	240	152	71	52	30	16	305	197	89	65	37	21

Table 2. Median Contract Rent and Median Gross Rent (in Dollars) in Iowa Counties, 1940-1990 (continued).

County	Median Contract Rent						Median Gross Rent					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Jefferson	243	136	71	51	31	14	339	188	88	64	41	20
Johnson	360	212	115	70	44	27	412	240	127	77	46	31
Jones	193	128	70	53	29	13	278	198	99	74	42	21
Keokuk	154	108	56	33	21	9	250	181	82	55	32	14
Kossuth	175	136	65	47	37	16	260	197	88	67	50	23
Lee	208	158	69	46	29	15	293	212	88	59	36	21
Linn	308	208	104	68	40	23	369	248	120	78	47	28
Louisa	217	140	64	38	25	10	304	227	94	60	37	16
Lucas	179	109	61	39	26	12	258	143	68	53	33	17
Lyon	144	108	57	40	26	14	252	184	81	61	38	21
Madison	218	123	56	42	28	11	294	173	77	61	38	15
Mahaska	209	151	63	46	35	14	289	195	80	60	41	18
Marion	240	165	67	44	32	12	323	209	89	60	39	18
Marshall	241	177	83	58	35	20	321	225	104	72	44	25
Mills	229	146	63	45	29	12	319	198	84	56	39	16
Mitchell	163	119	60	43	29	13	232	178	83	57	41	19
Monona	153	101	52	38	25	12	243	171	76	57	38	17
Monroe	183	116	55	38	24	9	272	176	67	54	31	15
Montgomery	184	128	58	49	38	14	254	175	79	64	45	20
Muscatine	262	178	73	48	29	14	343	231	92	63	39	20
O'Brien	171	121	60	47	35	16	249	175	84	69	47	21
Osceola	167	126	54	49	30	14	262	181	87	66	43	21
Page	173	119	60	46	37	14	253	162	75	60	44	19
Palo Alto	171	138	62	45	29	13	245	185	86	63	43	21
Plymouth	214	145	70	46	34	13	298	196	96	64	43	20
Pocahontas	156	118	58	44	29	13	246	166	94	69	43	20
Polk	369	229	99	65	39	24	437	267	113	72	41	29
Pottawattamie	299	170	79	61	38	16	371	220	98	72	42	24
Poweshiek	232	153	69	50	35	14	303	206	90	65	44	19
Ringgold	155	105	39	36	23	8	262	176	64	61	33	10
Sac	160	110	59	45	31	14	250	186	83	65	43	20
Scott	286	226	101	65	42	26	361	272	117	75	47	31
Shelby	176	118	65	52	31	14	261	180	85	73	42	20
Sioux	191	123	60	40	28	13	268	179	80	64	39	19
Story	334	208	91	56	33	23	392	245	110	68	38	29
Tama	185	124	58	42	26	13	304	200	80	57	39	20
Taylor	157	100	48	35	25	8	235	154	75	54	35	14
Union	213	130	62	44	35	12	291	167	79	56	43	18
Van Buren	143	100	40	28	16	6	240	156	69	47	23	12
Wapello	219	151	64	47	31	16	276	189	82	59	36	21
Warren	287	185	85	47	31	12	348	227	103	62	39	16
Washington	215	145	67	45	34	14	297	208	91	65	44	21
Wayne	137	100	50	29	18	7	233	147	72	43	27	12
Webster	216	162	77	57	36	21	296	203	92	68	43	27
Winnebago	194	129	60	45	29	14	271	194	79	63	38	21
Winneshiek	211	144	70	47	32	14	276	183	85	62	43	21
Woodbury	255	170	72	53	35	21	325	219	88	64	42	27
Worth	173	119	54	45	30	13	254	161	71	63	42	20
Wright	184	126	60	48	35	14	282	185	86	69	46	21
State of Iowa	261	175	78	54	35	14	336	226	99	68	43	23

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

1980-1991

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The Iowa Department of Public Health annually records vital statistics for Iowa and its counties. Data for 1991 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 had 405 fewer births in 1991 than in 1990 (Table 1). That decline followed three annual increases (Figure 1). However, nearly 7,000 fewer births occurred in 1991 than in 1981. 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 37 counties had more births in 1991 than in 1990, 58 had fewer births in the more recent year, and four had the same number both years. Increases in the number of births ranged from less than 10 in 12 counties to at least 20 in eight others, with the greatest increases occurring in Polk and Warren. Declines ranged from less than 10 in 22 counties to at least 50 in three others (Cerro Gordo, Plymouth, Pottawattamie).

Only five counties (Johnson, Linn, Madison, Polk, Warren) had more births in 1991 than in 1981, indicating that most areas of Iowa reflected the state's trend. In three counties (Black Hawk, Dubuque, Scott), there were at least 200 fewer births in 1991 than in 1981, led by a drop of 600 in Black Hawk. In 19 other counties, there were from 100 to 199 fewer births in 1991 than in 1981, while 31 counties had from 50 to 99 fewer births at the end than at the beginning of the period.

Deaths

The number of deaths in Iowa has fluctuated much less than the number of births (Figure 2). Deaths in 1991 outnumbered those in 1981 by 376 (Table 2). The change between adjacent years never varied by more than 838 (1984-1985) and decreased about as frequently as it increased from one year to the next. Most recently, deaths increased by 491 between 1990 and 1991.

Forty counties had fewer deaths in 1991 than the previous year. The decline was less than 10 in 14 counties. Twenty-six counties had at least 10 fewer deaths in 1991 than in 1990, although only Winneshiek had at least 40 fewer deaths during the more recent year. Fifty-eight counties had more deaths in 1991 than in 1990; 20 had less than 10 more deaths in the more recent year, and only Jasper, Lee, Polk, and Scott increased by at least 50 deaths between 1990 and 1991.

The different trends for births and deaths are highlighted when 1991 data are compared with those for 1981. Births were lower in 1991 in all but five counties, and the drop was at least 100 in 22. For deaths, the differences are much smaller. Polk was the only county in which deaths increased or decreased by at least 100 when the two years are compared. Indeed, the difference in either direction was less than 10 in 35 counties. At least 10 more deaths were reported in 1991 than in 1981 in 32 counties, but deaths decreased by 10 or more in 32 others.

Table 1. Births in Iowa Counties, 1980-1991.

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

Table 1. Births in Iowa Counties, 1980-1991 (continued).

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

Table 2. Deaths in Iowa Counties, 1980-1991.

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

Table 2. Deaths in Iowa Counties, 1980-1991 (continued).

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

Table 3. Natural Change in Iowa Counties, 1980-1991.

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

Table 3. Natural Change in Iowa Counties, 1980-1991 (continued).

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

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 1980-1991 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, only to revert to the previous pattern from 1990 to 1991.

In 1991, 65 counties reported natural increases (more births than deaths) ranging from less than 50 in 32 counties to more than 100 in 19 others. Three counties (Linn, Polk, Scott) had at least 1,000 more births than deaths in 1991. Four others (Black Hawk, Johnson, Pottawattamie, Woodbury) had natural increases of at least 500 that year.

Thirty-two counties had natural decreases (more deaths than births) in 1991 (Figure 3). Deaths never outnumbered births by more than 60; five counties had at least 40 fewer births than deaths (Calhoun, Decatur, Marshall, Page, Taylor). In six others (Cass, Clarke, Harrison, Howard, Tama, Wapello), there were fewer than 10 more deaths than births in 1991. In 1980, only two counties (Pocahontas, Wayne) reported more deaths than births. The total of 32 counties experiencing natural decrease in 1991 was up slightly from the 28 reported in 1990 but still below the high of 39 with more deaths than births reported in 1987 (Figure 4).

Forty-four counties had more births than deaths every year from 1980 through 1991. Only Wayne had more deaths than births every year, although 23 others had natural decreases occurring in at least six of the 12 years examined.

Concluding Comments

While the number of deaths in Iowa has changed relatively little through the 1980s to 1990, births have declined substantially. At the beginning of the decade, the state and nearly all counties had more births than deaths. More recently, however, there has been a greater 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, 1980-1991.

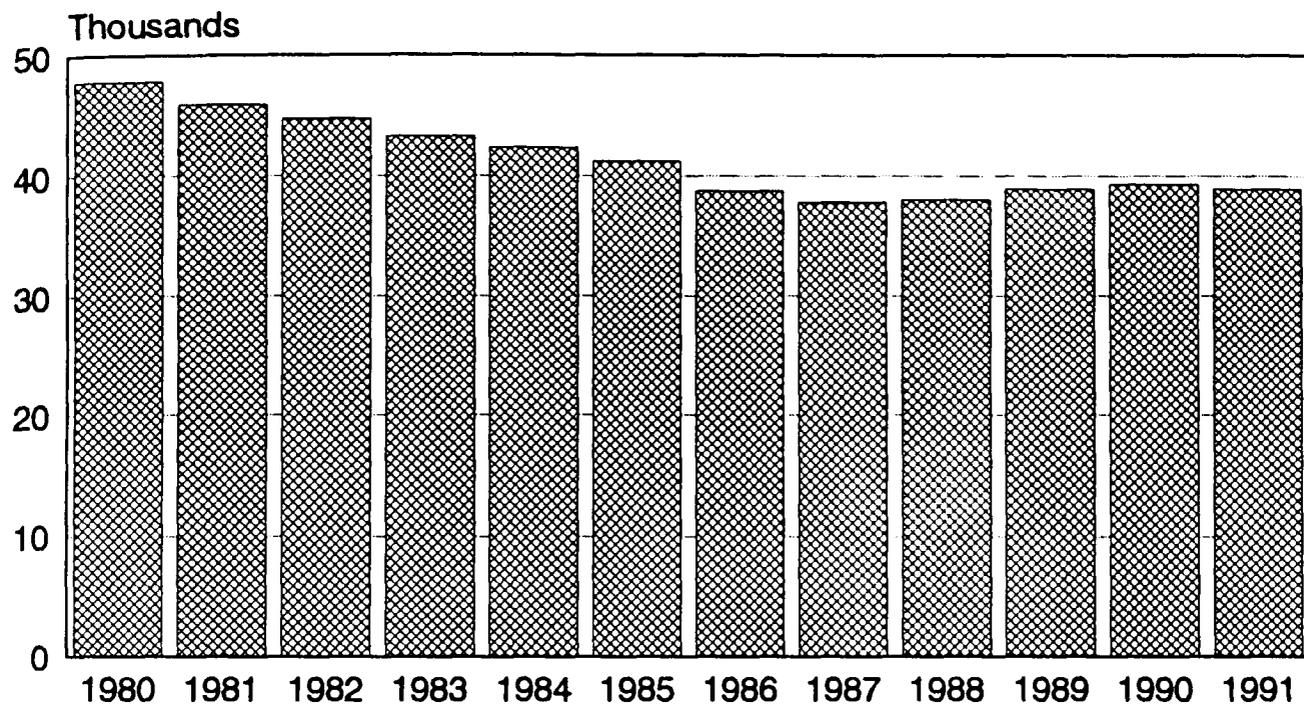


Figure 2. Deaths in Iowa, 1980-1991.

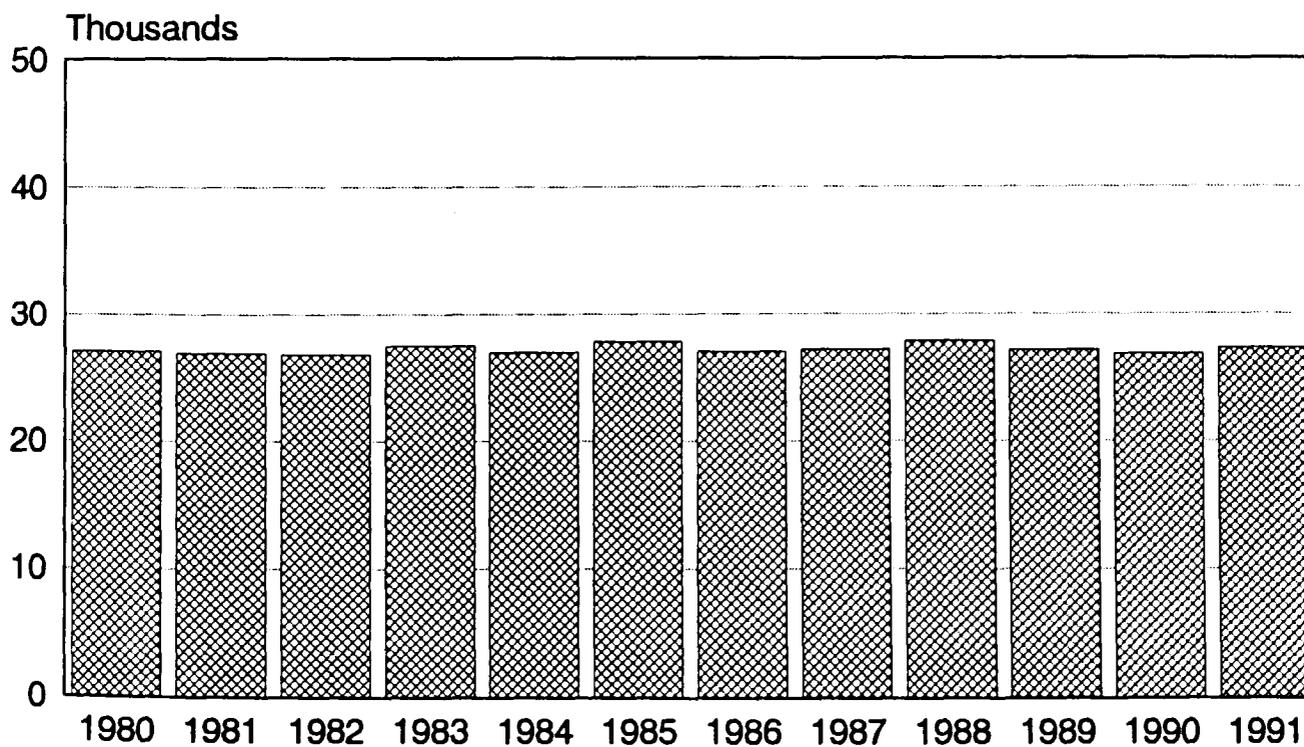


Figure 3. Natural change, 1991.

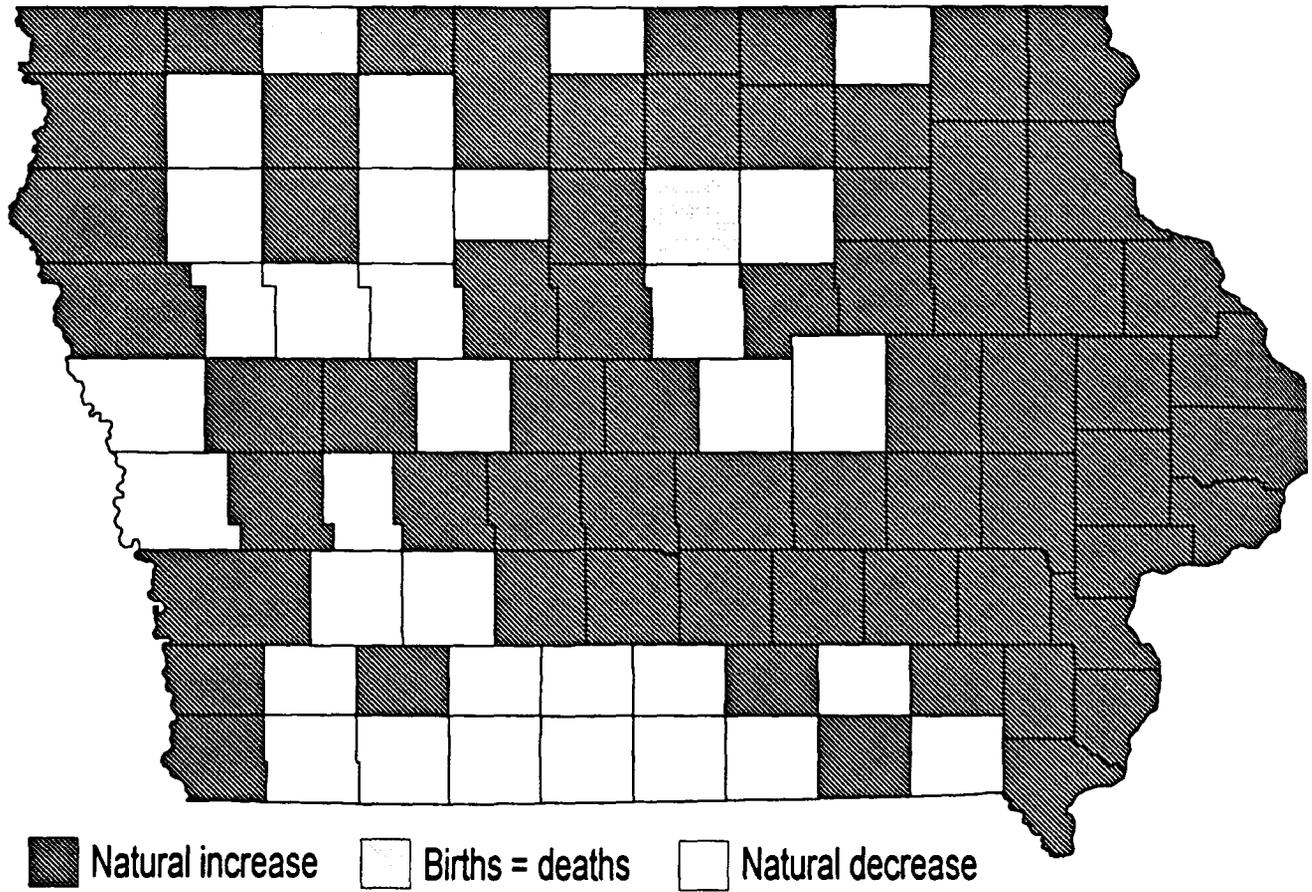
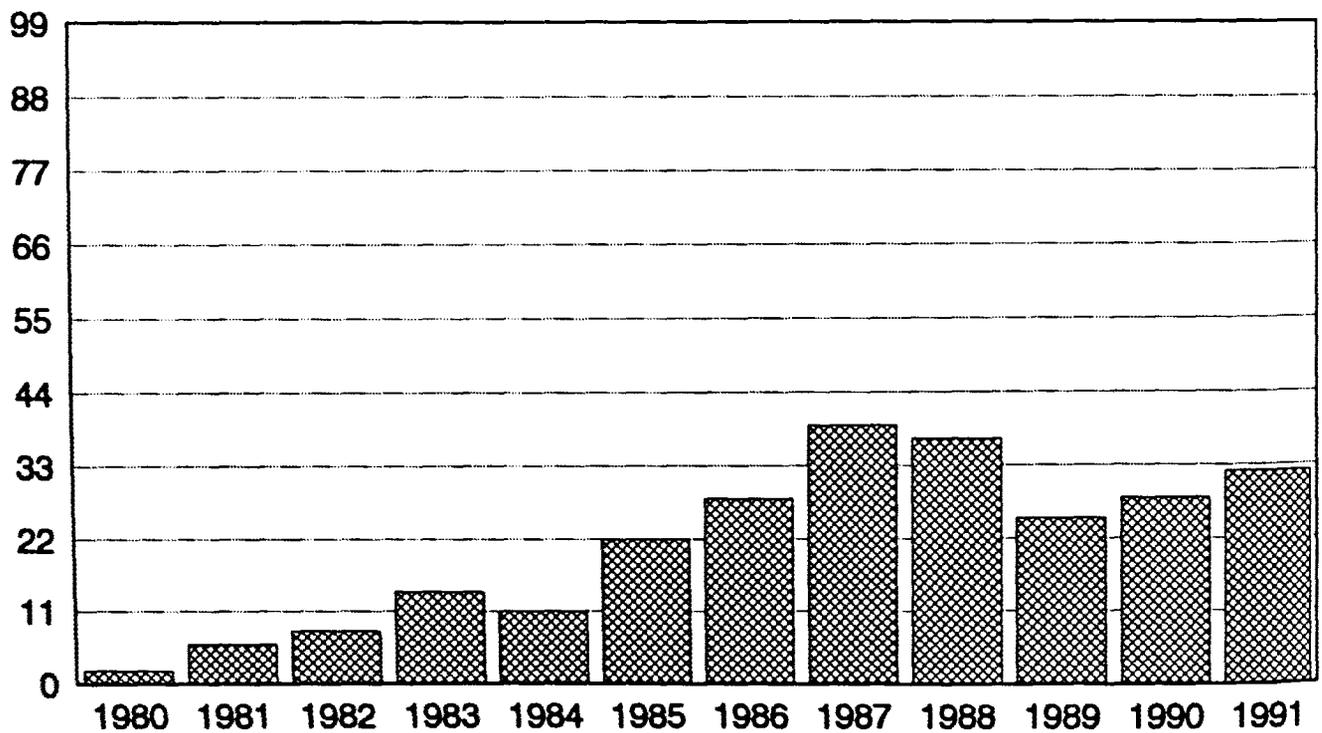


Figure 4. Number of counties with natural decrease in Iowa, 1980-1991.



Estimated Birth and Death Rates in Iowa's Counties:

1980-1991

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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 1981-1988 rates; they are based on population estimates provided by the U.S. Bureau of the Census for those years. The 1990 population count was used to calculate the 1989 and 1991 rates because no population estimates were released for those years.

Iowa and National Birth and Death Rates

The birth rate for Iowa has dropped substantially this decade (Figure 1). There were three more births per 1,000 residents in 1980 (16.4) than in 1987 or 1988 (13.4), although the rate was up more than half a point from 1988 to 1991 (14.0). The death rate in Iowa has not changed as much; it increased by half a point from 9.3 in 1980 to 9.8 in 1991. The directions of both of these changes are in marked contrast to the figures at the national level, where the birth rate (1980, 15.8; 1991, 16.2) increased somewhat and the death rate (1980, 8.7; 1991, 8.5) declined slightly.

County Data on Birth and Death Rates

In 1991, 21 counties had birth rates above the state figure of 14.0 (Table 1). Four counties (Muscatine, Polk, Scott, Woodbury) had rates at least two points above that for Iowa, while another seven had rates at least a point above the state average. Of the 75 counties with birth rates below that of the state, 26 fell at least two points under the state level and another 31 were at least one but less than two points below 14.0. Calhoun, Humboldt, Ringgold, and Taylor had fewer than 10 births for every 1,000 residents in 1991.

Death rates in 1991 varied from under 7.0 (Johnson, Story) to 16.0 or more (Decatur, Taylor) in Iowa's counties (Table 2). Although only six counties (Johnson, Linn, Scott, Sioux, Story, Warren) had death rates two points or more below the state average of 9.8, 49 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 74 counties had death rates above the state figure.

In 1991, 20 counties had birth rates at least two points below that of the state and death rates at least two points above the state. In contrast, no county had a birth rate more than two points above and a death rate more than two points below the state figures. But Delaware, Linn, Polk, Scott, and Warren had birth rates a point above and death rates a point below the state averages in 1991.

Differences between county birth rates in 1981 and 1991 generally mirror the decline reported for the state. Only seven counties (Adams, Benton, Harrison, Linn, Madison, Polk, Warren) had higher birth rates in 1991 than in 1981. Nineteen had birth rates in 1991 that were less than a point lower than their rates for 1981. But the differences were at least five points in 11 counties. Palo Alto and Sac had rates in 1991 that were at least six points lower than at the beginning of the period.

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1991.

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	10.4	12.1	13.0	10.1	10.9	12.8	13.6	12.3	12.4	15.4	13.2	17.5
Adams	13.2	12.3	14.4	14.0	11.7	10.4	13.3	13.0	11.4	14.3	11.2	16.4
Allamakee	12.6	12.8	15.4	13.5	13.6	14.0	14.3	14.2	14.3	15.7	16.5	16.7
Appanoose	12.4	12.1	12.1	11.7	11.3	12.6	12.9	13.3	12.9	12.1	14.9	15.5
Audubon	10.4	12.4	11.3	10.8	12.3	11.3	13.5	16.1	14.5	14.2	13.2	17.6
Benton	15.0	14.2	13.0	12.6	12.5	13.0	13.4	14.2	12.6	13.1	14.7	17.5
Black Hawk	14.0	13.7	13.6	13.1	13.0	13.7	14.8	15.5	15.4	16.4	16.9	17.3
Boone	12.4	13.1	12.3	13.7	12.5	11.6	12.6	12.8	13.3	14.1	14.6	15.1
Bremer	10.4	10.6	11.2	10.0	10.3	11.2	12.2	12.4	12.9	14.7	16.0	16.8
Buchanan	14.5	14.5	16.1	14.2	15.0	13.2	16.3	16.6	16.9	19.6	19.3	19.5
Buena Vista	13.3	14.4	12.7	15.0	13.0	14.3	15.2	13.8	14.4	15.0	16.5	15.5
Butler	10.3	11.7	11.4	11.6	11.0	12.6	11.8	13.9	14.9	14.6	13.4	16.1
Calhoun	9.6	11.3	10.8	9.2	12.0	12.5	11.8	10.8	13.0	14.6	12.6	15.1
Carroll	13.0	14.9	13.6	13.9	15.2	16.0	16.4	16.7	18.2	16.8	18.1	19.0
Cass	13.6	12.7	12.7	12.3	10.4	12.7	12.0	14.9	13.4	14.9	16.7	14.2
Cedar	12.5	12.7	12.9	10.9	10.4	10.6	13.4	13.4	13.7	14.2	15.2	14.0
Cerro Gordo	13.3	14.7	14.1	13.0	13.0	13.5	14.8	14.0	14.6	14.8	14.8	15.0
Cherokee	10.8	14.2	12.6	11.5	11.1	14.0	12.8	13.0	14.3	14.4	15.1	14.7
Chickasaw	12.5	15.0	13.7	11.9	10.7	13.6	11.7	14.5	14.5	17.1	16.8	16.7
Clarke	12.7	12.8	14.6	12.7	13.1	12.7	13.5	11.8	12.7	15.3	14.0	14.6
Clay	14.7	13.6	14.8	12.6	13.5	13.4	14.4	13.5	15.7	18.5	16.1	17.7
Clayton	13.3	12.7	13.8	11.6	12.4	12.5	14.2	13.3	14.5	15.6	17.3	16.3
Clinton	13.4	13.4	13.2	12.8	13.0	13.2	13.8	14.2	13.8	15.1	15.5	16.1
Crawford	12.2	13.6	12.2	13.9	15.1	13.4	13.8	13.3	16.7	15.4	15.7	17.0
Dallas	14.3	13.7	15.0	12.6	14.2	13.2	13.4	15.2	15.5	14.5	14.6	15.8
Davis	15.3	15.4	14.0	13.2	12.5	13.9	14.9	14.1	16.3	15.1	16.2	16.4
Decatur	11.3	10.9	11.9	11.4	12.6	10.7	11.6	12.0	11.4	14.0	12.8	13.2
Delaware	15.0	15.8	14.6	15.6	15.2	15.0	16.7	16.1	17.9	19.1	17.4	21.2
Des Moines	13.6	13.3	13.7	12.6	12.2	11.7	15.0	14.4	14.5	14.6	16.0	16.6
Dickinson	10.9	10.7	10.6	9.6	11.6	10.9	11.5	12.6	11.5	14.6	12.8	14.7
Dubuque	14.2	14.6	13.7	13.1	13.8	13.2	13.9	14.8	14.9	15.5	16.4	16.9
Emmet	13.4	11.6	10.5	12.0	12.4	11.8	12.8	12.6	15.3	15.3	16.1	17.0
Fayette	13.5	13.2	12.8	13.1	11.5	11.9	12.3	14.3	14.5	16.0	15.0	15.9
Floyd	13.0	12.8	12.9	10.9	11.4	11.6	12.4	12.6	14.7	13.0	14.2	13.2
Franklin	11.4	10.9	11.6	11.5	11.6	12.0	13.7	15.2	12.9	13.6	14.7	15.0
Fremont	13.0	12.2	11.9	11.7	11.6	13.9	12.9	12.7	13.5	12.7	14.2	13.9
Greene	12.3	10.8	10.4	10.9	12.7	11.4	12.8	14.7	14.2	13.9	16.2	15.0
Grundy	11.3	12.1	11.5	11.2	9.5	11.3	10.5	12.4	13.4	11.8	12.7	15.8
Guthrie	12.6	11.2	10.2	10.6	9.5	10.2	10.3	13.4	12.5	12.7	13.6	14.9
Hamilton	13.7	13.0	13.3	11.8	11.7	14.1	11.5	14.6	13.4	12.4	14.5	14.4
Hancock	12.4	13.0	13.2	12.0	12.5	14.1	13.9	15.4	14.0	17.0	15.8	18.2
Hardin	11.0	11.2	11.2	11.3	10.8	11.3	12.7	13.0	14.4	14.9	14.7	16.0
Harrison	13.6	12.7	13.0	12.1	14.2	14.5	14.2	13.5	12.3	13.3	13.6	15.5
Henry	12.3	13.8	11.7	13.2	12.5	13.3	12.9	14.3	14.1	14.5	14.8	16.0
Howard	11.6	13.8	12.8	10.6	13.8	13.2	12.6	14.5	14.8	15.2	14.2	16.6
Humboldt	9.7	10.4	12.6	12.7	12.2	12.8	13.7	15.4	14.7	15.6	15.5	15.4
Ida	12.0	12.8	17.9	14.2	13.0	13.4	15.2	16.6	16.4	13.3	17.9	16.6
Iowa	14.2	14.6	16.1	12.1	12.1	14.3	12.0	14.2	14.3	14.2	14.9	14.8
Jackson	14.3	12.6	12.8	12.7	13.3	12.9	15.5	14.4	15.5	15.9	16.5	16.4
Jasper	13.5	12.4	13.2	12.3	12.2	11.7	13.2	12.9	12.3	14.5	13.9	14.6

*1989 and 1991 rates were calculated with 1990 population counts; 1989 and 1991 populations estimates were not available.

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1991 (continued).

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	11.4	11.8	12.4	12.5	10.8	13.2	13.5	13.6	14.3	12.7	13.0	13.3
Johnson	14.1	14.6	13.5	15.3	15.0	15.0	15.5	15.3	14.9	15.6	16.3	15.6
Jones	13.1	12.9	12.1	12.1	11.0	11.1	14.4	12.8	13.5	13.8	13.3	15.8
Keokuk	15.1	12.9	13.1	13.3	12.3	11.2	12.6	14.7	14.6	13.1	15.5	17.3
Kossuth	12.2	13.5	12.9	12.4	12.6	13.1	12.5	13.8	16.4	16.1	15.3	18.1
Lee	12.8	12.8	12.7	12.6	13.4	12.8	14.2	13.8	14.1	14.6	15.5	16.1
Linn	15.6	15.6	14.9	14.4	14.0	13.9	14.5	14.8	14.7	15.7	15.1	16.6
Louisa	12.8	14.1	12.9	11.8	14.0	12.1	12.1	13.3	14.2	14.7	16.5	14.3
Lucas	12.2	12.8	10.3	11.7	10.5	11.6	11.0	12.9	11.3	15.8	13.1	16.5
Lyon	13.0	14.9	14.0	15.0	14.4	12.9	14.5	15.2	16.0	16.7	18.4	18.3
Madison	12.7	12.7	13.4	12.8	11.0	11.3	13.2	12.4	12.1	12.6	12.3	15.6
Mahaska	14.0	13.2	14.7	13.2	13.3	14.6	14.2	14.4	15.1	15.2	14.6	17.5
Marion	12.1	12.5	13.3	12.0	13.6	12.4	14.8	13.5	14.5	15.4	14.7	15.1
Marshall	12.0	13.1	12.7	12.4	11.5	12.9	13.5	14.1	14.8	14.7	15.6	16.2
Mills	12.9	10.3	12.7	11.5	13.1	13.0	12.4	14.2	12.9	13.0	15.7	16.8
Mitchell	13.5	12.0	11.6	11.9	11.6	12.7	12.5	12.5	14.3	12.7	14.0	15.9
Monona	13.2	11.4	11.3	10.1	10.5	12.2	9.6	12.4	15.3	13.8	13.9	15.3
Monroe	13.7	14.3	11.8	10.5	12.7	12.2	12.4	13.9	13.3	12.3	14.8	14.4
Montgomery	11.4	13.1	12.4	12.1	12.5	10.9	11.7	13.5	14.3	13.9	14.0	15.3
Muscatine	16.9	16.7	17.1	15.0	13.7	15.4	15.3	15.2	17.0	18.0	17.8	17.7
O'Brien	11.4	11.9	12.6	11.1	11.8	13.0	13.0	14.0	15.5	16.2	16.9	16.4
Osceola	14.7	12.9	13.8	13.7	11.3	11.3	13.2	12.7	15.8	15.1	15.3	16.4
Page	10.6	11.9	13.0	12.2	11.0	10.4	13.0	11.0	12.2	12.7	14.1	14.2
Palo Alto	10.4	8.9	13.1	12.0	10.9	11.7	15.0	13.2	17.1	14.6	16.9	16.4
Plymouth	12.7	14.8	13.3	12.9	14.7	15.7	13.9	16.8	16.9	15.9	18.2	17.3
Pocahontas	10.9	13.0	11.5	13.1	10.5	11.3	15.0	13.5	14.3	13.5	13.2	14.1
Polk	16.8	16.4	16.9	15.4	15.6	15.7	16.2	15.7	16.1	16.2	16.6	16.8
Pottawattamie	15.7	16.5	15.5	14.7	14.3	15.2	15.1	15.6	16.3	16.2	16.9	17.0
Poweshiek	12.4	11.9	11.9	10.7	10.0	11.9	11.6	11.7	12.8	13.3	13.5	12.8
Ringgold	9.8	8.1	9.8	10.4	11.1	8.2	13.4	14.0	11.8	17.5	13.1	14.1
Sac	10.1	11.8	12.4	11.3	11.7	11.9	13.4	13.6	12.9	13.3	16.8	16.6
Scott	16.0	16.1	15.7	15.2	14.8	16.3	16.0	16.6	16.5	17.1	17.5	18.5
Shelby	11.8	13.8	12.3	12.1	12.1	11.1	11.6	15.6	14.1	16.0	12.6	16.8
Sioux	14.7	14.5	14.4	15.6	15.2	16.3	16.6	16.7	18.6	18.3	19.0	20.6
Story	12.1	12.5	11.8	13.2	13.1	13.1	14.2	14.2	14.8	14.0	14.5	14.6
Tama	12.2	12.3	12.5	11.3	12.6	12.1	13.0	13.3	13.9	14.7	13.6	14.8
Taylor	8.9	12.9	11.1	9.7	11.3	9.2	11.4	12.4	12.3	15.8	14.2	16.2
Union	11.2	11.6	13.0	11.1	11.7	12.7	11.3	12.1	13.8	13.9	16.3	15.3
Van Buren	12.8	11.6	12.1	15.0	12.6	11.5	12.7	13.1	12.9	13.6	15.6	14.6
Wapello	13.5	13.7	13.6	11.5	12.0	12.3	12.0	13.6	12.2	14.2	13.6	14.8
Warren	15.3	13.3	13.8	13.2	13.4	12.9	14.2	13.7	13.7	14.1	14.6	15.8
Washington	14.1	15.7	15.3	13.9	15.0	13.7	13.4	15.2	14.0	14.4	14.4	16.2
Wayne	10.5	11.7	10.9	12.5	10.3	10.1	12.6	12.1	10.6	11.6	13.0	15.0
Webster	14.0	14.8	15.0	14.1	14.2	13.6	14.5	14.3	15.0	16.3	14.8	16.5
Winnebago	11.4	12.2	13.6	13.2	12.3	13.5	12.6	13.2	13.4	14.0	12.8	15.1
Winneshiiek	12.1	12.4	12.9	12.4	12.3	13.2	12.9	14.4	14.4	14.0	13.6	14.9
Woodbury	16.5	16.6	15.2	16.1	15.8	14.9	16.6	16.0	16.4	16.8	17.9	17.8
Worth	12.4	12.4	13.4	11.6	11.5	11.7	13.0	12.6	12.2	14.4	14.2	14.0
Wright	13.2	15.0	13.4	11.8	12.0	11.3	12.5	12.7	12.9	13.0	13.7	15.1
State of Iowa	14.0	14.2	14.0	13.4	13.4	13.6	14.3	14.6	14.9	15.4	15.7	16.4

Table 2. Estimated Death Rates per 1,000 Population in Iowa Counties, 1980-1991.

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	13.2	12.4	12.0	12.1	14.4	14.3	11.4	12.4	12.2	11.2	11.6	11.8
Adams	13.0	11.7	14.4	14.7	10.2	11.5	9.8	14.1	11.8	13.4	11.8	13.1
Allamakee	11.9	14.3	13.6	11.4	12.4	12.7	11.9	10.8	11.4	10.8	11.2	12.5
Appanoose	14.3	13.0	12.7	13.4	13.8	11.5	15.1	12.4	11.3	11.1	12.7	13.7
Audubon	13.4	12.0	11.5	15.1	12.2	10.6	13.7	8.8	12.0	13.9	12.0	8.8
Benton	9.9	8.8	10.5	11.0	10.4	9.3	9.5	9.2	10.6	8.8	9.0	9.0
Black Hawk	9.1	9.2	8.6	8.9	8.6	8.1	8.2	7.4	8.2	7.7	7.5	7.7
Boone	11.0	11.5	11.1	12.6	11.1	10.5	10.9	10.3	11.0	12.3	10.7	11.1
Bremer	9.4	10.0	9.2	10.2	10.0	9.4	8.5	8.3	7.6	7.5	8.6	9.1
Buchanan	8.6	8.9	9.5	9.4	8.5	8.7	8.0	9.2	9.3	9.4	7.4	8.4
Buena Vista	10.0	10.5	12.7	11.9	10.9	10.2	12.6	10.2	12.1	10.4	11.5	11.8
Butler	11.2	10.7	12.5	11.2	11.7	12.6	10.5	10.5	11.0	10.6	9.1	9.4
Calhoun	14.9	12.9	17.6	14.4	14.0	12.9	16.7	13.4	12.7	12.9	12.1	13.7
Carroll	10.1	10.0	9.4	9.4	10.3	8.4	9.5	10.3	10.7	11.1	10.4	10.4
Cass	14.1	13.6	14.9	14.8	12.7	13.9	14.6	12.7	12.5	12.4	11.1	12.4
Cedar	8.5	10.1	9.6	9.3	9.3	9.5	9.1	9.3	9.3	8.9	9.4	9.5
Cerro Gordo	9.8	10.3	9.9	9.9	10.1	9.7	9.5	10.7	9.2	9.9	10.0	9.6
Cherokee	11.8	12.1	12.1	11.2	11.9	10.3	11.8	10.6	10.7	10.7	10.6	10.8
Chickasaw	12.0	10.7	9.9	9.3	11.7	10.1	9.9	10.2	9.1	7.5	10.4	10.3
Clarke	13.6	11.2	13.2	11.3	10.7	10.1	12.9	11.6	10.9	9.3	11.6	12.3
Clay	10.5	9.0	10.3	9.7	10.7	11.0	9.0	9.3	8.5	8.3	8.8	9.5
Clayton	12.5	10.5	11.9	11.1	11.5	11.6	12.4	11.3	10.8	11.1	10.3	11.1
Clinton	10.6	11.0	10.9	10.9	9.5	10.4	9.0	9.9	10.8	9.5	10.2	9.3
Crawford	9.2	10.1	9.5	8.7	9.3	10.9	11.3	9.8	10.2	9.6	10.5	9.5
Dallas	9.3	9.6	9.2	9.6	10.2	9.0	9.0	8.9	9.0	9.2	8.8	8.9
Davis	12.4	12.0	11.9	11.0	10.1	10.8	12.0	9.5	13.2	11.5	12.8	10.5
Decatur	16.1	12.7	12.6	11.4	12.1	13.3	13.3	9.8	15.0	14.0	10.1	12.2
Delaware	8.0	9.5	9.1	8.6	8.2	9.5	9.2	9.5	8.7	9.8	8.9	9.6
Des Moines	11.1	10.7	11.6	11.7	9.9	11.2	11.6	9.8	9.3	10.7	8.7	10.1
Dickinson	10.9	10.7	10.8	11.7	9.7	9.5	10.5	10.9	10.1	11.1	9.7	8.6
Dubuque	9.7	9.7	9.9	8.8	8.6	9.0	8.7	8.9	8.7	8.6	9.0	8.6
Emmet	11.2	11.6	13.5	10.5	11.4	10.4	11.5	11.9	10.7	10.5	10.0	11.9
Fayette	12.2	11.8	12.2	12.2	11.8	12.3	12.2	11.1	10.9	11.4	11.5	10.2
Floyd	12.6	11.9	12.8	12.2	9.8	11.3	12.9	9.5	11.0	11.7	10.2	11.8
Franklin	11.4	10.6	12.0	13.2	13.1	10.0	11.2	11.9	10.2	10.2	10.4	10.4
Fremont	12.8	12.6	14.8	14.7	16.1	14.2	12.2	14.2	13.3	13.6	13.1	12.7
Greene	14.2	14.1	12.2	14.9	13.6	12.3	13.8	13.2	12.4	11.3	13.7	11.2
Grundy	11.1	9.7	10.8	11.7	10.0	10.4	10.2	8.2	9.6	10.4	8.6	9.6
Guthrie	12.2	13.0	13.4	17.3	15.0	14.0	13.2	13.2	14.4	15.0	12.6	13.8
Hamilton	11.6	11.0	12.1	11.8	10.0	10.1	9.7	9.8	11.1	11.3	9.2	9.1
Hancock	9.1	10.3	8.8	11.3	10.2	9.3	10.4	9.6	10.6	9.6	10.7	11.5
Hardin	12.5	12.4	12.1	11.4	12.1	12.7	11.5	11.3	10.6	10.7	12.1	11.2
Harrison	13.7	13.4	12.0	13.9	13.4	10.9	12.8	11.7	11.7	12.5	12.1	12.5
Henry	11.2	8.8	10.9	10.3	11.6	9.8	11.3	10.6	9.7	10.6	9.5	11.0
Howard	12.0	12.6	10.9	12.3	14.4	12.1	13.2	13.2	12.5	12.0	12.5	10.1
Humboldt	12.1	12.6	9.2	10.8	10.0	10.8	10.9	11.0	9.8	10.7	9.2	11.1
Ida	14.0	13.7	10.3	13.4	13.4	12.4	11.6	11.3	12.7	11.8	11.1	12.0
Iowa	10.6	11.9	10.4	11.5	13.2	9.6	10.7	10.7	11.1	11.7	9.7	10.4
Jackson	12.1	10.5	12.4	10.4	10.9	10.0	10.3	9.8	8.8	9.8	10.0	10.5
Jasper	10.8	8.6	9.5	10.0	9.6	9.6	9.2	9.3	10.5	8.6	9.4	9.4

*1989 and 1991 rates were calculated with 1990 population counts; 1989 and 1991 populations estimates were not available.

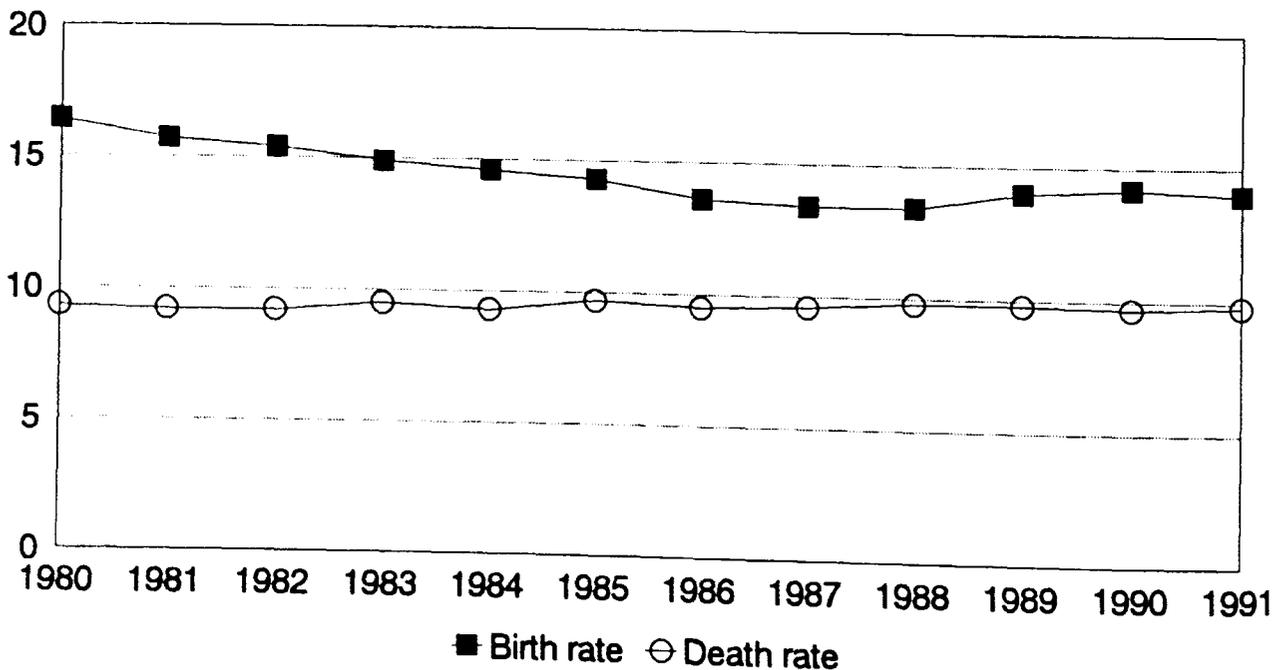
Table 2. Estimated Death Rates per 1,000 Population in Iowa Counties, 1980-1991 (continued).

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	10.6	9.4	8.9	9.6	9.8	10.2	10.0	10.4	10.9	10.2	10.4	9.4
Johnson	4.7	4.5	4.8	4.9	5.3	5.2	5.6	5.2	5.4	4.8	4.7	4.8
Jones	10.4	9.9	8.9	9.8	9.0	10.1	9.1	8.5	8.8	8.5	10.2	8.2
Keokuk	11.9	14.2	13.0	14.3	12.7	12.0	13.4	13.4	14.6	12.1	14.8	12.8
Kossuth	11.1	10.6	10.2	10.3	9.8	10.2	9.7	9.2	10.3	10.7	9.6	9.9
Lee	11.7	10.3	10.9	11.4	10.7	10.9	10.9	9.2	10.9	9.5	10.7	10.6
Linn	7.6	7.3	7.6	7.5	7.5	7.8	7.4	7.0	7.7	7.2	7.2	7.5
Louisa	8.6	10.4	8.9	11.3	9.0	10.0	8.4	8.6	9.0	10.1	9.8	9.1
Lucas	13.4	14.2	15.3	13.3	11.1	11.8	15.2	11.7	12.3	12.6	12.6	11.2
Lyon	11.5	9.6	10.7	7.9	9.6	11.0	9.6	9.4	9.3	8.2	8.1	10.4
Madison	12.0	12.5	11.5	12.4	11.3	12.6	12.3	11.5	12.9	10.2	11.1	10.0
Mahaska	10.4	11.6	11.3	10.6	10.4	11.7	11.9	11.5	11.1	10.8	10.7	10.2
Marion	10.1	11.0	10.5	10.7	9.3	10.0	9.7	10.3	9.8	9.2	10.0	8.6
Marshall	13.2	12.7	13.1	10.7	11.6	9.7	10.7	10.0	10.5	10.0	9.8	10.3
Mills	9.8	9.8	11.1	9.2	11.2	10.6	10.2	9.5	8.3	10.7	9.1	9.9
Mitchell	12.4	13.5	13.7	12.2	14.4	9.3	13.1	13.5	14.0	12.4	11.3	11.5
Monona	14.6	15.5	14.3	14.7	13.7	14.1	16.2	15.2	14.5	13.9	12.0	12.2
Monroe	13.4	12.9	16.9	12.4	13.3	14.9	12.8	12.4	13.9	13.0	15.3	12.6
Montgomery	14.6	15.0	15.4	14.6	14.3	14.2	12.7	14.7	11.1	13.1	11.3	11.3
Muscatine	9.8	8.9	9.4	8.3	9.4	8.3	9.2	9.3	8.6	8.7	8.7	8.4
O'Brien	13.3	12.3	11.8	12.8	13.4	10.0	11.8	11.8	11.5	12.7	9.8	11.7
Osceola	12.1	9.1	10.7	10.7	13.1	12.4	11.9	10.6	11.9	9.9	11.6	12.5
Page	14.0	13.6	12.7	13.7	13.9	13.5	14.1	12.6	13.7	13.0	14.9	11.7
Palo Alto	13.5	13.1	13.0	13.2	12.9	12.2	12.3	11.0	11.8	11.7	11.6	11.6
Plymouth	9.6	10.0	9.4	8.9	10.1	8.8	10.3	10.0	10.2	9.9	8.3	9.9
Pocahontas	13.9	12.7	13.9	15.5	12.3	10.7	13.5	13.1	11.7	15.9	11.7	14.9
Polk	8.0	7.8	7.9	8.0	7.8	7.9	8.1	7.8	8.0	7.7	7.8	8.1
Pottawattamie	9.1	9.0	8.8	9.4	9.3	8.5	9.1	9.1	8.8	8.6	8.9	9.1
Poweshiek	8.9	10.3	10.2	10.9	10.1	10.6	10.3	11.1	9.2	10.1	9.7	9.9
Ringgold	13.6	15.5	12.0	13.1	14.4	14.5	15.2	11.7	12.2	12.1	14.6	13.7
Sac	11.7	14.4	14.4	13.1	13.2	13.3	13.3	12.5	13.1	13.6	12.4	10.4
Scott	7.8	7.3	8.1	7.8	7.8	7.9	7.4	7.6	7.7	6.8	7.5	7.3
Shelby	11.6	11.4	12.2	11.6	10.4	10.5	10.5	9.1	10.7	9.7	10.5	11.2
Sioux	7.3	7.6	8.0	8.4	7.9	7.8	9.0	7.6	7.4	7.6	7.5	7.7
Story	6.1	5.6	5.5	5.7	5.8	5.8	5.8	4.9	5.4	5.6	5.0	5.6
Tama	12.4	13.0	12.0	9.6	10.7	11.1	12.1	10.8	10.4	9.6	12.3	10.8
Taylor	16.2	14.8	18.7	13.1	15.7	15.8	12.3	12.9	15.2	15.1	15.1	13.6
Union	12.9	13.1	12.2	13.3	13.5	12.8	12.6	12.2	13.1	12.3	12.5	11.0
Van Buren	14.1	11.3	15.4	16.3	13.0	14.1	13.9	9.8	14.3	12.7	11.4	13.8
Wapello	13.7	13.3	12.9	13.0	11.9	13.4	11.4	13.0	12.4	11.1	11.9	12.4
Warren	7.8	7.9	7.5	7.8	6.6	6.8	6.8	7.3	6.5	6.4	6.2	6.5
Washington	12.4	11.0	11.1	10.5	11.0	10.4	11.7	11.2	11.2	9.2	10.0	10.3
Wayne	14.4	13.0	13.6	14.6	14.7	16.8	18.2	14.2	16.3	12.1	17.5	15.6
Webster	12.1	11.2	11.4	11.9	11.7	10.6	10.9	10.6	10.9	10.8	10.7	10.3
Winnebago	12.5	11.4	10.3	12.1	11.9	9.4	10.8	11.7	10.7	10.6	11.4	10.2
Winneshiek	8.4	10.5	8.8	9.0	8.3	10.1	10.3	9.3	10.0	8.1	8.5	8.2
Woodbury	9.3	9.6	9.7	10.3	9.7	9.6	9.5	9.5	9.7	10.1	9.6	9.8
Worth	12.0	14.4	10.8	14.0	12.0	12.3	12.0	11.3	12.0	11.1	11.4	10.2
Wright	12.3	12.5	11.6	12.7	12.2	12.3	12.7	11.8	11.1	12.3	13.0	12.7
State of Iowa	9.8	9.7	9.8	9.8	9.6	9.5	9.7	9.3	9.5	9.2	9.2	9.3

For the most part, death rates changed far less than did birth rates. Seventy-four counties had higher death rates in 1991 than in 1981, as did the state. But in only six counties (Cass, Decatur, Lyon, Marshall, Montgomery, O'Brien) was the rate three or more points higher at the end of the period than at the beginning. Among the 25 counties where the death rates were lower in 1991 than 1981, only Keokuk and Wayne dropped by more than 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 through 1989 and for 1991 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, 1991," 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. Birth and death rates in Iowa, 1980-1991.



Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1980-1990

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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. In 1990, there were 39,330 births to Iowans (Table 1), a decrease of 17.7% from the 47,797 births in 1980 (Table 2).

Births in Iowa's counties in 1990 varied from as few as 44 in Ringgold to a high of 5,367 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 1980 to 1987, but these numbers increased from 1987 to 1990. All counties had at least one year of increase during the time period. When 1980 and 1990 were compared, however, all counties except Johnson and Polk showed a decline (Table 5). Black Hawk, with 683 fewer births in 1990 than in 1980, had the largest decrease. Seventy counties declined by less than 100 births.

Out-of-Wedlock Births

Even though births declined in Iowa between 1980 and 1990, the number of births out of wedlock increased. The 8,269 out-of-wedlock births in 1990 (Table 1) was an increase of 68.9% from the 4,895 in 1980 (Table 2). 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.

In each year from 1980 through 1990, Polk county had the highest number of out-of-wedlock births; Scott was second highest. The five out-of-wedlock births in Audubon and Ringgold were the lowest in 1990.

Out-of-wedlock births occurred disproportionately in large, urban counties. In 1980, the six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) with the highest number of out-of-wedlock births together accounted for 51.3% of such births but only for 34.5% of the total births. In 1990, the same six counties recorded 50.8% of the out-of-wedlock births and 38.5% of all births.

Between 1980 and 1990, the number of out-of-wedlock births increased each year for Iowa, although every county had at least one year when these numbers declined. Ninety-three counties had more out-of-wedlock births in 1990 than in 1980 (Table 5). The increases ranged from 1 to 634. For 65 of the 93 counties that gained, the increase was less than 25. Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury increased by more than 100. Four counties (Audubon, Harrison, Mills, Palo Alto) had fewer out-of-wedlock births in 1990 than in 1980; the declines in these counties ranged from 2 to 7.

Because the number of births in Iowa generally was going down at the same time that the number of out-of-wedlock births was going up, the percentage of all births that were out of wedlock rose from 10.2% in 1980 to 21.0% in 1990 (Table 5, Figure 1). In 1990, the percentage of out-of-wedlock births in the counties ranged from 5.5% in Audubon to 32.4% in Woodbury. Eight counties (Audubon, Chickasaw, Delaware, Grundy, Lyon, Madison, Sioux, Story) were under 10%, and 43 counties were

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1986-1990.

County	1990		1989		1988		1987		1986	
	Births	Out of Wedlock Births								
Adair	102	16	109	11	86	9	94	9	111	6
Adams	60	11	70	13	74	3	63	6	55	2
Allamakee	177	31	214	35	201	25	202	40	210	17
Appanoose	166	40	166	51	167	36	162	24	180	16
Audubon	91	5	83	7	82	5	95	7	89	8
Benton	318	46	292	49	286	34	283	29	295	37
Black Hawk	1699	541	1687	491	1628	482	1621	409	1739	443
Boone	329	57	309	47	347	58	318	37	295	38
Bremer	242	27	256	24	233	18	242	23	267	18
Buchanan	302	47	336	52	310	36	325	42	287	28
Buena Vista	287	42	253	25	302	43	263	30	294	19
Butler	184	25	180	26	189	25	179	19	209	11
Calhoun	130	20	124	22	111	13	145	16	152	9
Carroll	320	36	292	32	312	18	338	35	361	32
Cass	192	26	192	33	190	22	163	16	204	17
Cedar	221	37	224	38	197	23	189	27	195	17
Cerro Gordo	686	157	657	144	623	114	625	130	656	91
Cherokee	200	38	177	19	169	24	166	17	211	20
Chickasaw	199	18	182	26	170	21	154	17	201	22
Clarke	106	22	121	22	112	19	114	15	109	10
Clay	239	32	260	39	222	28	237	36	243	33
Clayton	242	43	262	35	234	33	250	23	256	35
Clinton	685	183	674	140	676	151	689	124	707	115
Crawford	228	49	204	34	256	37	277	24	247	18
Dallas	409	77	445	74	384	55	423	61	391	37
Davis	128	14	116	18	115	9	110	9	124	8
Decatur	91	12	99	16	98	9	110	16	95	10
Delaware	285	27	264	28	290	31	284	32	281	26
Des Moines	568	161	582	172	560	115	540	101	518	105
Dickinson	160	26	158	19	147	17	175	30	165	19
Dubuque	1260	211	1184	215	1192	156	1253	166	1199	151
Emmet	134	31	121	20	139	19	144	17	139	18
Fayette	289	45	279	43	297	25	263	23	278	26
Floyd	219	48	220	47	197	33	208	32	213	24
Franklin	124	22	132	14	136	18	139	18	148	14
Fremont	100	17	98	19	103	20	103	14	124	16
Greene	108	14	104	21	117	20	138	19	127	15
Grundy	146	11	138	13	142	8	121	10	148	8
Guthrie	122	25	111	25	117	11	104	13	115	20
Hamilton	209	26	213	33	199	21	198	24	243	24
Hancock	164	23	167	19	159	21	165	18	189	13
Hardin	213	29	214	33	224	38	218	20	233	24
Harrison	187	27	191	40	192	25	225	33	230	25
Henry	265	50	224	46	248	30	236	31	250	25
Howard	135	14	126	15	111	14	146	10	141	11
Humboldt	112	16	136	10	143	14	138	14	149	15
Ida	107	17	150	12	122	5	112	9	118	9
Iowa	213	28	236	21	178	18	179	12	215	15
Jackson	252	51	255	43	275	39	290	29	282	34
Jasper	432	74	461	61	446	52	438	60	418	46

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1986-1990 (continued).

County	1990		1989		1988		1987		1986	
	Births	Out of Wedlock Births								
Jefferson	192	37	202	31	208	24	178	13	218	22
Johnson	1406	170	1297	138	1330	117	1285	131	1278	91
Jones	251	49	236	35	240	43	216	28	220	25
Keokuk	150	19	152	17	160	15	147	19	137	8
Kossuth	251	35	240	25	245	19	249	17	265	19
Lee	496	121	492	149	509	131	544	128	526	105
Linn	2641	562	2507	522	2465	482	2373	392	2345	441
Louisa	163	36	149	28	141	24	167	28	144	14
Lucas	116	19	93	14	111	18	101	10	113	22
Lyon	178	14	167	9	183	6	176	9	160	11
Madison	158	14	167	28	161	19	138	14	140	15
Mahaska	285	52	316	60	295	43	296	54	326	43
Marion	374	44	398	51	363	45	405	37	368	28
Marshall	502	96	488	92	488	94	455	71	520	70
Mills	136	22	168	28	154	41	173	27	171	22
Mitchell	131	20	127	15	137	17	133	7	147	10
Monona	114	21	113	26	105	18	110	21	129	20
Monroe	116	25	96	17	88	7	107	18	104	17
Montgomery	158	31	150	29	148	29	153	12	136	11
Muscatine	665	159	682	137	615	118	560	99	635	113
O'Brien	184	19	195	16	173	18	184	11	206	8
Osceola	94	10	100	6	104	9	87	7	88	3
Page	200	45	220	41	209	28	189	27	183	27
Palo Alto	95	13	140	19	133	15	122	8	134	14
Plymouth	346	51	310	40	311	29	353	35	376	32
Pocahontas	124	17	110	10	135	12	109	7	121	7
Polk	5367	1398	5545	1302	4998	1145	4987	1085	4956	989
Pottawattamie	1361	388	1281	327	1295	326	1252	301	1328	282
Poweshiek	226	45	226	28	203	30	187	25	223	26
Ringgold	44	5	53	4	56	8	60	5	45	3
Sac	145	18	153	17	142	16	149	13	153	13
Scott	2430	783	2376	721	2368	656	2292	575	2545	640
Shelby	182	21	163	15	170	13	172	9	160	13
Sioux	434	33	432	21	471	20	457	26	494	14
Story	927	88	874	62	949	80	933	73	944	64
Tama	215	31	218	54	207	34	233	37	227	41
Taylor	92	10	79	12	73	5	86	10	71	5
Union	148	32	166	28	143	20	152	30	167	27
Van Buren	89	14	93	8	123	11	103	10	94	8
Wapello	490	137	484	96	420	78	446	94	467	79
Warren	479	72	499	68	483	69	487	34	466	42
Washington	307	45	301	45	280	29	298	32	273	35
Wayne	83	14	77	9	89	16	75	6	75	10
Webster	597	159	605	142	589	143	595	106	574	119
Winnebago	148	21	165	23	164	16	152	14	171	13
Winneshek	259	34	269	20	272	19	269	12	288	20
Woodbury	1631	528	1496	425	1582	435	1542	409	1457	334
Worth	99	16	107	22	100	14	98	12	103	17
Wright	214	31	191	28	174	26	177	18	171	19
State of Iowa	39330	8269	38916	7552	38070	6730	37866	6142	38748	5811

Table 2. Births and Out-of-Wedlock Births in Iowa Counties, 1980-1985.

County	1985		1984		1983		1982		1981		1980	
	Births	Out of Wedlock Births										
Adair	122	7	114	4	115	3	143	8	125	12	166	5
Adams	73	6	73	7	64	6	80	3	64	5	94	5
Allamakee	219	32	219	21	220	21	237	16	249	22	252	21
Appanoose	188	33	197	21	194	33	184	22	229	31	241	28
Audubon	111	13	135	8	120	6	119	9	112	8	151	12
Benton	309	29	328	23	291	29	307	28	349	24	414	41
Black Hawk	1947	444	2093	428	2096	362	2245	384	2332	371	2382	374
Boone	326	34	333	30	347	25	367	34	384	32	395	29
Bremer	297	22	306	18	320	9	367	21	398	25	417	14
Buchanan	367	44	381	45	393	26	454	41	448	24	447	26
Buena Vista	314	27	290	22	302	20	313	16	344	12	322	15
Butler	201	10	242	12	259	22	255	12	236	10	284	8
Calhoun	149	14	140	4	171	18	196	13	170	16	204	16
Carroll	373	23	384	18	416	32	384	25	416	31	436	27
Cass	200	14	255	22	228	12	254	16	286	19	241	17
Cedar	251	25	253	28	259	21	266	20	285	25	260	15
Cerro Gordo	725	95	679	84	709	79	714	82	720	70	728	63
Cherokee	199	20	207	23	229	14	231	15	245	17	238	27
Chickasaw	177	22	224	16	224	15	265	25	260	16	258	14
Clarke	116	17	104	10	112	11	136	12	122	4	126	12
Clay	270	22	260	30	305	25	357	33	314	32	347	29
Clayton	298	25	282	17	306	20	327	20	364	18	343	18
Clinton	753	88	788	99	775	88	855	92	882	103	920	90
Crawford	263	38	256	25	323	35	294	30	300	17	321	18
Dallas	402	42	454	43	461	53	428	41	432	40	466	40
Davis	134	8	128	11	148	9	137	13	149	9	149	8
Decatur	106	12	112	7	107	8	136	7	125	6	129	9
Delaware	320	18	311	12	341	20	362	21	331	20	401	23
Des Moines	670	107	650	105	657	89	670	91	742	92	767	106
Dickinson	177	17	195	10	178	25	227	9	199	13	229	14
Dubuque	1278	155	1362	170	1375	155	1447	160	1542	140	1584	112
Emmet	159	21	160	15	196	26	200	21	214	17	227	15
Fayette	298	31	357	32	362	27	404	48	380	28	405	30
Floyd	236	36	241	35	285	27	250	24	276	30	259	12
Franklin	173	15	193	14	165	9	176	5	191	12	195	10
Fremont	116	17	117	12	124	12	117	11	132	10	131	12
Greene	147	19	172	15	169	16	165	18	196	13	182	14
Grundy	143	11	170	11	187	10	167	10	182	14	227	6
Guthrie	119	10	156	6	144	12	149	14	160	13	179	19
Hamilton	199	25	254	23	235	19	219	25	259	20	257	19
Hancock	190	16	212	11	191	16	233	15	217	14	252	15
Hardin	270	30	283	24	311	26	324	24	318	19	348	23
Harrison	227	24	217	24	200	22	217	24	221	13	254	29
Henry	238	27	264	19	260	22	270	27	278	20	303	27
Howard	137	7	161	14	163	14	169	16	158	3	184	6
Humboldt	163	16	186	15	178	9	189	11	191	10	188	8
Ida	135	6	148	11	146	6	117	6	159	6	148	5
Iowa	182	15	216	12	217	11	216	12	230	20	229	8
Jackson	345	39	325	27	349	35	357	34	371	35	370	32
Jasper	472	55	462	44	440	49	524	50	506	44	530	30

Table 2. Births and Out-of-Wedlock Births in Iowa Counties, 1980-1985 (continued).

County	1985		1984		1983		1982		1981		1980	
	Out of Wedlock Births	Births										
Jefferson	222	13	224	19	233	15	209	21	210	9	217	16
Johnson	1326	97	1306	89	1254	94	1299	88	1350	80	1276	71
Jones	290	35	262	29	275	28	280	27	272	25	323	33
Keokuk	157	12	185	15	185	10	166	7	199	8	223	18
Kossuth	262	21	295	16	350	20	344	13	332	15	397	27
Lee	589	112	582	97	596	108	623	92	663	98	693	94
Linn	2450	366	2499	356	2479	350	2642	338	2567	329	2826	341
Louisa	145	14	161	16	172	14	178	17	201	19	172	17
Lucas	110	18	132	18	115	15	164	24	135	9	170	15
Lyon	183	6	194	6	207	2	214	9	238	9	236	7
Madison	164	13	154	14	150	15	158	7	155	10	197	10
Mahaska	318	35	325	36	339	29	342	26	331	30	400	36
Marion	439	39	403	35	434	39	463	36	439	42	449	25
Marshall	555	74	588	55	622	69	617	58	654	55	673	60
Mills	167	27	192	20	173	16	174	20	212	24	225	24
Mitchell	148	6	149	9	173	13	154	14	171	11	196	10
Monona	105	9	140	14	176	15	157	14	161	14	179	13
Monroe	109	14	122	16	120	9	111	10	135	10	133	13
Montgomery	152	17	179	18	189	16	183	12	187	10	205	17
Muscatine	632	101	635	103	709	82	754	112	732	92	714	90
O'Brien	213	18	235	15	263	16	274	11	287	15	279	18
Osceola	107	3	105	3	131	10	124	4	127	5	137	5
Page	235	34	204	27	226	27	237	21	266	20	270	23
Palo Alto	181	10	162	16	215	15	184	14	214	13	209	17
Plymouth	334	15	409	27	415	18	392	23	455	25	427	20
Pocahontas	167	3	150	13	160	13	150	5	149	7	160	7
Polk	5087	923	4909	833	4974	869	4969	797	5093	829	5087	764
Pottawattamie	1334	253	1379	254	1426	259	1411	231	1469	261	1468	237
Poweshiek	220	15	220	17	244	29	254	21	261	18	247	18
Ringgold	78	10	84	7	71	2	107	8	80	3	86	3
Sac	177	13	182	13	175	13	183	7	235	16	235	14
Scott	2543	531	2647	515	2641	491	2751	465	2824	484	2954	476
Shelby	171	7	237	8	211	13	240	22	189	10	253	13
Sioux	511	18	519	11	574	17	560	11	584	8	636	19
Story	1035	59	1039	46	1075	50	1010	54	1054	50	1055	57
Tama	250	42	260	39	269	22	285	31	259	25	289	27
Taylor	91	7	102	5	102	6	133	8	119	5	135	6
Union	150	38	165	20	190	21	192	28	226	26	212	31
Van Buren	107	16	111	7	111	10	117	7	136	6	126	14
Wapello	468	80	534	91	480	79	564	77	547	64	597	77
Warren	506	38	489	40	485	42	495	46	514	42	551	33
Washington	269	25	307	28	282	23	290	19	293	22	326	17
Wayne	96	3	94	10	84	6	93	7	105	10	123	12
Webster	631	120	631	129	671	114	733	111	675	102	760	110
Winnebago	162	7	170	9	172	14	178	15	162	13	197	20
Winneshiek	287	16	321	21	321	28	309	15	300	17	327	21
Woodbury	1652	341	1601	359	1645	318	1691	310	1809	310	1793	319
Worth	117	10	115	11	110	6	130	15	129	7	127	4
Wright	196	18	203	23	206	19	208	20	220	21	247	20
State of Iowa	41182	5585	42360	5315	43247	5168	44716	5062	45918	4938	47797	4895

Table 3. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1986-1990.

County	1990		1989		1988		1987		1986	
	Teen Out of Teen Wedlock Births Births									
Adair	12	8	6	6	6	5	8	4	10	3
Adams	3	3	8	6	2	0	7	4	3	1
Allamakee	17	10	27	18	13	10	23	15	19	8
Appanoose	29	13	25	17	20	14	24	12	24	7
Audubon	6	2	7	2	9	0	6	3	10	4
Benton	23	19	22	15	14	10	28	14	24	14
Black Hawk	246	198	226	181	183	149	195	147	204	159
Boone	26	21	32	23	35	21	17	8	23	13
Bremer	15	9	14	10	14	6	18	9	14	8
Buchanan	27	17	26	18	24	18	25	12	30	14
Buena Vista	30	18	15	6	29	23	13	9	20	6
Butler	15	9	13	10	13	5	10	6	16	6
Calhoun	4	3	8	7	6	3	7	5	2	1
Carroll	15	10	19	17	10	7	21	15	27	13
Cass	23	9	16	12	13	8	8	2	9	4
Cedar	25	15	19	12	10	7	16	10	5	3
Cerro Gordo	76	55	77	54	62	49	57	41	43	29
Cherokee	27	18	10	5	12	8	4	2	7	4
Chickasaw	15	8	13	7	10	7	18	9	16	8
Clarke	12	6	13	5	21	8	17	6	7	1
Clay	16	9	16	11	20	12	19	13	16	11
Clayton	23	15	23	15	14	10	26	12	27	15
Clinton	82	59	76	53	71	47	68	52	85	49
Crawford	27	21	15	10	18	12	17	5	10	5
Dallas	37	25	49	30	31	19	37	24	32	14
Davis	10	4	9	4	9	2	8	2	6	2
Decatur	13	4	7	4	13	5	15	7	10	5
Delaware	14	10	20	12	18	10	14	9	18	13
Des Moines	76	53	75	54	65	39	64	39	75	41
Dickinson	17	13	12	5	9	5	16	9	13	9
Dubuque	93	67	106	86	88	58	80	48	88	57
Emmet	16	11	14	11	11	8	15	7	19	8
Fayette	23	17	31	18	16	8	23	11	24	14
Floyd	28	19	25	17	22	13	18	16	29	16
Franklin	10	7	11	8	11	7	12	8	11	8
Fremont	11	10	18	14	16	9	11	6	11	4
Greene	9	5	15	10	12	9	17	11	10	6
Grundy	5	5	12	8	5	3	9	4	10	4
Guthrie	8	5	15	8	7	3	11	4	7	5
Hamilton	19	10	22	13	18	7	24	14	16	7
Hancock	12	7	10	9	12	8	9	4	11	6
Hardin	17	11	17	12	16	14	17	9	12	5
Harrison	22	9	18	8	13	6	25	15	25	9
Henry	30	19	28	16	31	15	21	13	25	16
Howard	6	2	8	5	9	5	12	4	10	4
Humboldt	10	5	4	1	11	8	6	5	13	8
Ida	9	5	12	6	2	1	11	6	5	3
Iowa	12	8	18	12	9	3	5	3	15	7
Jackson	30	23	24	16	23	15	22	12	22	12
Jasper	38	25	43	25	42	19	31	21	41	14

Table 3. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1986-1990 (continued).

County	1990		1989		1988		1987		1986	
	Teen Out of Teen Wedlock Births Births									
Jefferson	16	8	18	14	13	12	5	3	11	4
Johnson	60	45	59	44	42	32	53	41	41	20
Jones	20	15	18	10	21	16	9	9	13	6
Keokuk	18	7	12	4	20	6	13	8	9	3
Kossuth	25	19	19	11	18	8	18	8	16	8
Lee	57	37	77	57	60	42	68	49	76	45
Linn	246	191	256	188	232	189	242	153	228	163
Louisa	16	9	18	8	17	12	22	13	12	5
Lucas	16	6	10	3	13	8	14	4	17	7
Lyon	8	2	12	5	11	3	9	3	13	5
Madison	12	4	18	9	16	6	11	3	15	5
Mahaska	29	13	37	17	37	19	25	16	35	20
Marion	33	22	35	19	33	20	34	14	26	10
Marshall	38	30	52	35	45	34	37	21	43	25
Mills	11	4	19	10	22	17	11	9	12	7
Mitchell	15	10	11	8	6	5	7	4	6	4
Monona	12	6	12	8	8	4	11	6	13	7
Monroe	16	11	8	6	11	3	13	8	11	7
Montgomery	13	9	21	12	18	13	7	3	12	7
Muscatine	89	51	84	50	82	42	72	31	81	42
O'Brien	17	10	14	6	11	8	12	6	13	5
Osceola	9	6	8	5	7	4	4	2	2	1
Page	26	17	38	22	18	10	18	10	20	6
Palo Alto	14	8	13	7	8	5	3	1	8	6
Plymouth	27	17	31	21	15	8	21	14	32	21
Pocahontas	8	5	4	3	4	3	5	3	7	4
Polk	577	462	634	481	570	430	561	388	483	317
Pottawattamie	191	128	152	106	162	115	150	102	171	111
Poweshiek	27	19	19	10	10	5	13	3	22	9
Ringgold	1	0	3	1	3	1	4	2	3	1
Sac	10	7	13	9	6	4	14	5	10	4
Scott	343	280	327	273	288	234	262	212	349	258
Shelby	9	7	12	6	9	7	10	5	8	6
Sioux	23	11	21	10	31	13	34	17	26	7
Story	48	21	35	17	44	20	37	18	46	22
Tama	21	13	26	22	14	11	21	13	21	16
Taylor	11	5	8	2	6	2	9	4	8	1
Union	14	7	19	10	10	5	13	8	11	7
Van Buren	13	9	6	1	9	3	8	2	9	3
Wapello	75	48	66	34	46	22	62	37	79	35
Warren	49	36	41	26	50	30	33	9	33	11
Washington	24	20	32	17	20	11	25	14	24	14
Wayne	9	6	7	3	16	6	7	2	11	3
Webster	63	45	78	58	70	50	70	49	67	47
Winnebago	11	10	23	14	11	8	10	5	11	9
Winneshiek	14	11	9	8	10	5	14	5	15	7
Woodbury	234	186	203	148	199	163	202	156	166	110
Worth	10	7	9	5	10	7	5	5	6	4
Wright	16	13	21	11	10	9	14	8	7	7
State of Iowa	4013	2847	4017	2786	3540	2428	3507	2237	3567	2135

Table 4. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1980-1985.

County	1985		1984		1983		1982		1981		1980	
	Teen Births	Out of Wedlock Births										
Adair	7	2	9	1	6	0	13	4	14	4	20	2
Adams	4	2	6	3	7	3	6	1	3	1	13	3
Allamakee	19	13	21	7	16	9	28	12	31	13	31	8
Appanoose	23	7	19	8	33	12	28	10	40	15	50	12
Audubon	5	3	16	4	9	1	15	3	15	7	21	9
Benton	17	9	33	13	34	12	30	12	27	11	55	26
Black Hawk	238	174	250	172	228	149	273	173	286	168	335	183
Boone	30	16	22	10	23	10	30	15	42	13	45	13
Bremer	27	10	22	9	19	4	30	8	41	13	56	10
Buchanan	36	18	38	15	35	13	57	19	59	18	45	14
Buena Vista	19	11	21	5	20	7	27	9	26	4	33	8
Butler	26	6	16	4	34	11	22	4	22	6	40	3
Calhoun	10	5	3	1	8	5	20	4	17	4	19	7
Carroll	20	7	16	4	32	15	39	18	40	20	31	13
Cass	15	4	29	7	18	4	21	5	21	8	23	8
Cedar	22	12	29	11	20	8	29	9	30	11	28	6
Cerro Gordo	57	30	54	31	62	28	56	21	74	28	69	24
Cherokee	14	6	20	11	17	6	20	8	24	7	26	10
Chickasaw	16	11	14	6	15	7	34	12	25	9	28	6
Clarke	10	5	12	4	11	4	18	9	18	1	22	5
Clay	15	8	17	9	24	13	35	13	36	16	44	14
Clayton	31	15	29	9	24	7	36	10	44	9	39	11
Clinton	69	33	89	49	109	56	77	30	111	47	127	43
Crawford	24	12	24	9	37	19	40	17	33	9	50	10
Dallas	27	12	32	15	46	22	30	13	51	16	44	19
Davis	15	5	7	3	26	3	14	7	19	4	21	5
Decatur	8	3	11	1	9	2	14	2	11	2	21	4
Delaware	20	10	12	5	12	5	29	12	33	13	57	14
Des Moines	66	31	71	36	78	38	88	33	118	49	116	41
Dickinson	11	5	14	1	19	14	18	4	21	8	24	9
Dubuque	109	65	116	78	122	79	127	75	158	70	153	60
Emmet	15	7	13	8	20	9	21	11	29	11	16	4
Fayette	28	13	34	13	27	12	52	20	44	12	35	13
Floyd	28	14	29	14	37	15	27	7	32	15	24	7
Franklin	12	5	18	6	7	3	17	3	16	6	20	2
Fremont	15	8	12	2	14	6	12	3	16	2	17	3
Greene	13	6	13	5	20	8	24	11	25	8	24	5
Grundy	12	7	8	1	14	5	9	3	13	5	18	3
Guthrie	12	5	12	2	20	8	17	5	14	6	22	7
Hamilton	15	6	26	10	19	6	25	13	38	15	23	10
Hancock	7	3	13	5	17	8	22	9	15	5	23	4
Hardin	22	13	20	8	19	7	30	9	31	9	45	14
Harrison	26	13	25	11	26	10	32	11	26	8	42	16
Henry	21	14	22	6	17	5	20	5	25	9	38	10
Howard	6	2	10	4	19	7	18	8	18	1	22	5
Humboldt	21	10	16	6	14	3	14	6	18	6	26	4
Ida	8	3	12	6	7	2	9	2	14	3	14	1
Iowa	13	5	16	7	14	4	24	7	22	8	18	4
Jackson	34	20	31	11	40	14	49	18	42	16	60	20
Jasper	56	28	50	19	51	19	69	24	56	17	68	16

Table 4. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1980-1985 (continued).

County	1985		1984		1983		1982		1981		1980	
	Teen Out of Teen Wedlock Births Births											
Jefferson	12	5	14	7	19	3	26	11	18	3	21	7
Johnson	54	29	50	22	44	22	55	20	59	23	55	20
Jones	12	5	30	12	30	10	30	12	23	5	41	19
Keokuk	9	1	15	4	22	6	21	3	21	4	28	10
Kossuth	18	13	21	9	22	8	27	6	29	10	42	15
Lee	85	46	81	39	93	47	72	29	93	45	106	47
Linn	215	125	219	135	233	141	252	138	267	150	356	158
Louisa	14	4	19	7	20	6	24	8	27	11	27	8
Lucas	15	7	19	7	16	4	26	11	19	5	29	6
Lyon	17	3	11	4	6	0	14	3	18	5	15	3
Madison	16	9	12	4	15	5	20	4	13	3	27	4
Mahaska	37	17	25	9	34	14	36	12	39	16	61	22
Marion	45	17	45	17	43	15	46	16	66	21	62	13
Marshall	44	22	42	21	66	27	51	26	61	23	79	28
Mills	19	9	22	6	17	5	17	7	31	12	27	12
Mitchell	10	3	16	7	20	7	14	8	21	7	23	7
Monona	8	2	19	7	14	7	17	8	25	7	23	8
Monroe	11	3	13	5	11	3	14	1	15	5	15	6
Montgomery	10	6	16	7	19	6	21	6	20	3	24	6
Muscatine	73	38	92	43	104	32	116	45	132	44	114	39
O'Brien	9	4	17	4	15	4	34	4	38	7	31	9
Osceola	4	1	8	2	10	3	7	1	12	2	11	3
Page	30	13	27	10	30	10	26	11	34	10	40	12
Palo Alto	7	2	11	4	24	8	15	4	26	8	30	9
Plymouth	17	8	27	12	19	4	29	8	46	13	36	8
Pocahontas	5	1	10	4	12	8	7	2	14	5	16	4
Polk	531	331	491	292	545	335	579	313	658	353	664	318
Pottawattamie	162	99	188	111	204	103	207	109	266	135	258	120
Poweshiek	12	5	16	5	29	14	35	8	25	6	29	9
Ringgold	5	3	8	1	7	1	11	2	10	1	11	2
Sac	13	4	14	5	11	4	11	3	24	9	26	8
Scott	302	207	314	212	299	196	327	210	365	222	432	218
Shelby	5	2	15	6	19	6	22	8	23	6	24	6
Sioux	27	7	31	7	28	7	43	8	42	4	57	12
Story	50	18	41	16	56	16	70	21	63	18	82	16
Tama	29	21	33	19	21	11	32	16	30	13	38	16
Taylor	4	1	11	1	10	2	15	2	18	4	18	4
Union	11	8	11	7	22	11	21	10	32	9	30	12
Van Buren	7	2	11	2	14	4	13	3	14	2	19	6
Wapello	70	33	72	35	65	28	88	34	84	27	94	38
Warren	53	19	32	14	39	13	56	22	70	23	58	14
Washington	21	8	30	10	21	8	20	8	31	8	29	7
Wayne	10	2	11	2	10	4	13	5	17	6	22	8
Webster	77	45	79	55	86	51	91	51	91	47	124	61
Winnebago	14	2	18	5	15	5	18	6	17	7	23	10
Winneshiek	20	7	16	10	29	9	19	4	26	5	27	8
Woodbury	210	131	194	131	212	130	231	123	245	131	275	143
Worth	6	2	5	2	5	2	8	4	12	1	13	2
Wright	26	9	19	7	24	9	25	10	25	10	25	5
State of Iowa	3835	2091	3993	2048	4284	2091	4767	2131	5339	2260	5958	2274

Table 5. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1980 and 1990.

County	1990 Births Minus 1980 Births		% of Births Out of Wedlock		1990 Teen Births Minus 1980 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	1990	1980	Total	Out of Wedlock	1990	1980	1990	1980	1990	1980
Adair	-64	11	15.7	3.0	-8	6	66.7	10.0	11.8	12.0	50.0	40.0
Adams	-34	6	18.3	5.3	-10	0	100.0	23.1	5.0	13.8	27.3	60.0
Allamakee	-75	10	17.5	8.3	-14	2	58.8	25.8	9.6	12.3	32.3	38.1
Appanoose	-75	12	24.1	11.6	-21	1	44.8	24.0	17.5	20.7	32.5	42.9
Audubon	-60	-7	5.5	7.9	-15	-7	33.3	42.9	6.6	13.9	40.0	75.0
Benton	-96	5	14.5	9.9	-32	-7	82.6	47.3	7.2	13.3	41.3	63.4
Black Hawk	-683	167	31.8	15.7	-89	15	80.5	54.6	14.5	14.1	36.6	48.9
Boone	-66	28	17.3	7.3	-19	8	80.8	28.9	7.9	11.4	36.8	44.8
Bremer	-175	13	11.2	3.4	-41	-1	60.0	17.9	6.2	13.4	33.3	71.4
Buchanan	-145	21	15.6	5.8	-18	3	63.0	31.1	8.9	10.1	36.2	53.8
Buena Vista	-35	27	14.6	4.7	-3	10	60.0	24.2	10.5	10.2	42.9	53.3
Butler	-100	17	13.6	2.8	-25	6	60.0	7.5	8.2	14.1	36.0	37.5
Calhoun	-74	4	15.4	7.8	-15	-4	75.0	36.8	3.1	9.3	15.0	43.8
Carroll	-116	9	11.3	6.2	-16	-3	66.7	41.9	4.7	7.1	27.8	48.1
Cass	-49	9	13.5	7.1	0	1	39.1	34.8	12.0	9.5	34.6	47.1
Cedar	-39	22	16.7	5.8	-3	9	60.0	21.4	11.3	10.8	40.5	40.0
Cerro Gordo	-42	94	22.9	8.7	7	31	72.4	34.8	11.1	9.5	35.0	38.1
Cherokee	-38	11	19.0	11.3	1	8	66.7	38.5	13.5	10.9	47.4	37.0
Chickasaw	-59	4	9.0	5.4	-13	2	53.3	21.4	7.5	10.9	44.4	42.9
Clarke	-20	10	20.8	9.5	-10	1	50.0	22.7	11.3	17.5	27.3	41.7
Clay	-108	3	13.4	8.4	-28	-5	56.3	31.8	6.7	12.7	28.1	48.3
Clayton	-101	25	17.8	5.2	-16	4	65.2	28.2	9.5	11.4	34.9	61.1
Clinton	-235	93	26.7	9.8	-45	16	72.0	33.9	12.0	13.8	32.2	47.8
Crawford	-93	31	21.5	5.6	-23	11	77.8	20.0	11.8	15.6	42.9	55.6
Dallas	-57	37	18.8	8.6	-7	6	67.6	43.2	9.0	9.4	32.5	47.5
Davis	-21	6	10.9	5.4	-11	-1	40.0	23.8	7.8	14.1	28.6	62.5
Decatur	-38	3	13.2	7.0	-8	0	30.8	19.0	14.3	16.3	33.3	44.4
Delaware	-116	4	9.5	5.7	-43	-4	71.4	24.6	4.9	14.2	37.0	60.9
Des Moines	-199	55	28.3	13.8	-40	12	69.7	35.3	13.4	15.1	32.9	38.7
Dickinson	-69	12	16.3	6.1	-7	4	76.5	37.5	10.6	10.5	50.0	64.3
Dubuque	-324	99	16.7	7.1	-60	7	72.0	39.2	7.4	9.7	31.8	53.6
Emmet	-93	16	23.1	6.6	0	7	68.8	25.0	11.9	7.0	35.5	26.7
Fayette	-116	15	15.6	7.4	-12	4	73.9	37.1	8.0	8.6	37.8	43.3
Floyd	-40	36	21.9	4.6	4	12	67.9	29.2	12.8	9.3	39.6	58.3
Franklin	-71	12	17.7	5.1	-10	5	70.0	10.0	8.1	10.3	31.8	20.0
Fremont	-31	5	17.0	9.2	-6	7	90.9	17.6	11.0	13.0	58.8	25.0
Greene	-74	0	13.0	7.7	-15	0	55.6	20.8	8.3	13.2	35.7	35.7
Grundy	-81	5	7.5	2.6	-13	2	100.0	16.7	3.4	7.9	45.5	50.0
Guthrie	-57	6	20.5	10.6	-14	-2	62.5	31.8	6.6	12.3	20.0	36.8
Hamilton	-48	7	12.4	7.4	-4	0	52.6	43.5	9.1	8.9	38.5	52.6
Hancock	-88	8	14.0	6.0	-11	3	58.3	17.4	7.3	9.1	30.4	26.7
Hardin	-135	6	13.6	6.6	-28	-3	64.7	31.1	8.0	12.9	37.9	60.9
Harrison	-67	-2	14.4	11.4	-20	-7	40.9	38.1	11.8	16.5	33.3	55.2
Henry	-38	23	18.9	8.9	-8	9	63.3	26.3	11.3	12.5	38.0	37.0
Howard	-49	8	10.4	3.3	-16	-3	33.3	22.7	4.4	12.0	14.3	83.3
Humboldt	-76	8	14.3	4.3	-16	1	50.0	15.4	8.9	13.8	31.3	50.0
Ida	-41	12	15.9	3.4	-5	4	55.6	7.1	8.4	9.5	29.4	20.0
Iowa	-16	20	13.1	3.5	-6	4	66.7	22.2	5.6	7.9	28.6	50.0
Jackson	-118	19	20.2	8.6	-30	3	76.7	33.3	11.9	16.2	45.1	62.5
Jasper	-98	44	17.1	5.7	-30	9	65.8	23.5	8.8	12.8	33.8	53.3

Table 5. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1980 and 1990 (continued).

County	1990 Births Minus 1980 Births		% of Births Out of Wedlock		1990 Teen Births Minus 1980 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	1990	1980	Total	Out of Wedlock	1990	1980	1990	1980	1990	1980
Jefferson	-25	21	19.3	7.4	-5	1	50.0	33.3	8.3	9.7	21.6	43.8
Johnson	130	99	12.1	5.6	5	25	75.0	36.4	4.3	4.3	26.5	28.2
Jones	-72	16	19.5	10.2	-21	-4	75.0	46.3	8.0	12.7	30.6	57.6
Keokuk	-73	1	12.7	8.1	-10	-3	38.9	35.7	12.0	12.6	36.8	55.6
Kossuth	-146	8	13.9	6.8	-17	4	76.0	35.7	10.0	10.6	54.3	55.6
Lee	-197	27	24.4	13.6	-49	-10	64.9	44.3	11.5	15.3	30.6	50.0
Linn	-185	221	21.3	12.1	-110	33	77.6	44.4	9.3	12.6	34.0	46.3
Louisa	-9	19	22.1	9.9	-11	1	56.3	29.6	9.8	15.7	25.0	47.1
Lucas	-54	4	16.4	8.8	-13	0	37.5	20.7	13.8	17.1	31.6	40.0
Lyon	-58	7	7.9	3.0	-7	-1	25.0	20.0	4.5	6.4	14.3	42.9
Madison	-39	4	8.9	5.1	-15	0	33.3	14.8	7.6	13.7	28.6	40.0
Mahaska	-115	16	18.2	9.0	-32	-9	44.8	36.1	10.2	15.3	25.0	61.1
Marion	-75	19	11.8	5.6	-29	9	66.7	21.0	8.8	13.8	50.0	52.0
Marshall	-171	36	19.1	8.9	-41	2	78.9	35.4	7.6	11.7	31.3	46.7
Hills	-89	-2	16.2	10.7	-16	-8	36.4	44.4	8.1	12.0	18.2	50.0
Mitchell	-65	10	15.3	5.1	-8	3	66.7	30.4	11.5	11.7	50.0	70.0
Honona	-65	8	18.4	7.3	-11	-2	50.0	34.8	10.5	12.8	28.6	61.5
Monroe	-17	12	21.6	9.8	1	5	68.8	40.0	13.8	11.3	44.0	46.2
Montgomery	-47	14	19.6	8.3	-11	3	69.2	25.0	8.2	11.7	29.0	35.3
Muscatine	-49	69	23.9	12.6	-25	12	57.3	34.2	13.4	16.0	32.1	43.3
O'Brien	-95	1	10.3	6.5	-14	1	58.8	29.0	9.2	11.1	52.6	50.0
Osceola	-43	5	10.6	3.6	-2	3	66.7	27.3	9.6	8.0	60.0	60.0
Page	-70	22	22.5	8.5	-14	5	65.4	30.0	13.0	14.8	37.8	52.2
Palo Alto	-114	-4	13.7	8.1	-16	-1	57.1	30.0	14.7	14.4	61.5	52.9
Plymouth	-81	31	14.7	4.7	-9	9	63.0	22.2	7.8	8.4	33.3	40.0
Pocahontas	-36	10	13.7	4.4	-8	1	62.5	25.0	6.5	10.0	29.4	57.1
Polk	280	634	26.0	15.0	-87	144	80.1	47.9	10.8	13.1	33.0	41.6
Pottawattamie	-107	151	28.5	16.1	-67	8	67.0	46.5	14.0	17.6	33.0	50.6
Poweshiek	-21	27	19.9	7.3	-2	10	70.4	31.0	11.9	11.7	42.2	50.0
Ringgold	-42	2	11.4	3.5	-10	-2	0.0	18.2	2.3	12.8	0.0	66.7
Sac	-90	4	12.4	6.0	-16	-1	70.0	30.8	6.9	11.1	38.9	57.1
Scott	-524	307	32.2	16.1	-89	62	81.6	50.5	14.1	14.6	35.8	45.8
Shelby	-71	8	11.5	5.1	-15	1	77.8	25.0	4.9	9.5	33.3	46.2
Sioux	-202	14	7.6	3.0	-34	-1	47.8	21.1	5.3	9.0	33.3	63.2
Story	-128	31	9.5	5.4	-34	5	43.8	19.5	5.2	7.8	23.9	28.1
Tama	-74	4	14.4	9.3	-17	-3	61.9	42.1	9.8	13.1	41.9	59.3
Taylor	-43	4	10.9	4.4	-7	1	45.5	22.2	12.0	13.3	50.0	66.7
Union	-64	1	21.6	14.6	-16	-5	50.0	40.0	9.5	14.2	21.9	38.7
Van Buren	-37	0	15.7	11.1	-6	3	69.2	31.6	14.6	15.1	64.3	42.9
Wapello	-107	60	28.0	12.9	-19	10	64.0	40.4	15.3	15.7	35.0	49.4
Warren	-72	39	15.0	6.0	-9	22	73.5	24.1	10.2	10.5	50.0	42.4
Washington	-19	28	14.7	5.2	-5	13	83.3	24.1	7.8	8.9	44.4	41.2
Wayne	-40	2	16.9	9.8	-13	-2	66.7	36.4	10.8	17.9	42.9	66.7
Webster	-163	49	26.6	14.5	-61	-16	71.4	49.2	10.6	16.3	28.3	55.5
Winnebago	-49	1	14.2	10.2	-12	0	90.9	43.5	7.4	11.7	47.6	50.0
Winneshiek	-68	13	13.1	6.4	-13	3	78.6	29.6	5.4	8.3	32.4	38.1
Woodbury	-162	209	32.4	17.8	-41	43	79.5	52.0	14.3	15.3	35.2	44.8
Worth	-28	12	16.2	3.1	-3	5	70.0	15.4	10.1	10.2	43.8	50.0
Wright	-33	11	14.5	8.1	-9	8	81.3	20.0	7.5	10.1	41.9	25.0
State of Iowa	-8467	3374	21.0	10.2	-1945	573	70.9	38.2	10.2	12.5	34.4	46.5

Table 6. Birth Rates and Out-of-Wedlock Birth Rates Per 1,000 Teenage Women (Age 14-19) in Iowa Counties, 1980 and 1990.

County	Birth Rates for Teens			Out-of-Wedlock Birth Rates for Teens			Teenage Women (Age 14-19)		
	1990	1980	Change	1990	1980	Change	1990	1980	Change
Adair	41.0	49.3	-8.3	27.3	4.9	22.4	293	406	-113
Adams	18.4	49.6	-31.2	18.4	11.5	6.9	163	262	-99
Allamakee	33.0	35.9	-2.9	19.4	9.3	10.1	515	864	-349
Appanoose	52.6	64.4	-11.8	23.6	15.4	8.2	551	777	-226
Audubon	24.6	46.1	-21.5	8.2	19.7	-11.5	244	456	-212
Benton	27.6	42.3	-14.7	22.8	20.0	2.8	834	1301	-467
Black Hawk	41.2	40.5	0.7	33.2	22.1	11.1	5970	8262	-2292
Boone	29.4	34.0	-4.6	23.8	9.8	14.0	884	1325	-441
Bremer	13.5	37.7	-24.2	8.1	6.7	1.4	1110	1486	-376
Buchanan	30.8	34.9	-4.1	19.4	10.9	8.5	876	1290	-414
Buena Vista	33.5	28.4	5.1	20.1	6.9	13.2	895	1164	-269
Butler	24.9	48.7	-23.8	14.9	3.7	11.2	603	821	-218
Calhoun	10.0	27.5	-17.5	7.5	10.1	-2.6	399	690	-291
Carroll	17.8	23.2	-5.4	11.8	9.7	2.1	844	1336	-492
Cass	41.4	27.5	13.9	16.2	9.6	6.6	556	835	-279
Cedar	38.0	28.8	9.2	22.8	6.2	16.6	658	971	-313
Cerro Gordo	39.1	27.3	11.8	28.3	9.5	18.8	1946	2523	-577
Cherokee	44.9	31.0	13.9	30.0	11.9	18.1	601	840	-239
Chickasaw	28.9	30.6	-1.7	15.4	6.6	8.8	519	914	-395
Clarke	35.5	53.5	-18.0	17.8	12.2	5.6	338	411	-73
Clay	22.5	40.6	-18.1	12.6	12.9	-0.3	712	1084	-372
Clayton	30.0	36.1	-6.1	19.6	10.2	9.4	766	1081	-315
Clinton	39.0	39.5	-0.5	28.0	13.4	14.6	2105	3214	-1109
Crawford	35.4	46.6	-11.2	27.6	9.3	18.3	762	1072	-310
Dallas	33.2	29.8	3.4	22.4	12.9	9.5	1114	1475	-361
Davis	29.5	49.8	-20.3	11.8	11.8	0.0	339	422	-83
Decatur	29.5	32.2	-2.7	9.1	6.1	3.0	441	653	-212
Delaware	18.7	45.1	-26.4	13.4	11.1	2.3	747	1263	-516
Des Moines	47.3	48.1	-0.8	33.0	17.0	16.0	1607	2410	-803
Dickinson	34.7	34.0	0.7	26.5	12.7	13.8	490	706	-216
Dubuque	23.4	25.4	-2.0	16.8	9.9	6.9	3980	6034	-2054
Emmet	28.7	22.2	6.5	19.7	5.5	14.2	558	722	-164
Fayette	27.4	24.4	3.0	20.3	9.1	11.2	838	1436	-598
Floyd	39.9	23.4	16.5	27.1	6.8	20.3	701	1025	-324
Franklin	25.3	32.2	-6.9	17.7	3.2	14.5	396	622	-226
Fremont	31.6	41.4	-9.8	28.7	7.3	21.4	348	411	-63
Greene	25.5	39.3	-13.8	14.2	8.2	6.0	353	611	-258
Grundy	11.6	26.7	-15.1	11.6	4.5	7.1	432	673	-241
Guthrie	20.1	38.5	-18.4	12.6	12.3	0.3	398	571	-173
Hamilton	30.7	25.7	5.0	16.2	11.2	5.0	618	896	-278
Hancock	23.6	37.1	-13.5	13.8	6.5	7.3	508	620	-112
Hardin	21.8	38.3	-16.5	14.1	11.9	2.2	779	1176	-397
Harrison	36.3	47.4	-11.1	14.9	18.0	-3.1	606	887	-281
Henry	38.0	37.5	0.5	24.1	9.9	14.2	789	1012	-223
Howard	17.4	35.3	-17.9	5.8	8.0	-2.2	345	623	-278
Humboldt	24.8	41.6	-16.8	12.4	6.4	6.0	403	625	-222
Ide	30.1	34.5	-4.4	16.7	2.5	14.2	299	406	-107
Iowa	25.2	22.8	2.4	16.8	5.1	11.7	477	791	-314
Jackson	36.1	43.8	-7.7	27.7	14.6	13.1	831	1371	-540
Jasper	28.9	37.5	-8.6	19.0	8.8	10.2	1317	1811	-494

Table 6. Birth Rates and Out-of-Wedlock Birth Rates Per 1,000 Teenage Women (Age 14-19) in Iowa Counties, 1980 and 1990 (continued).

County	Birth Rates for Teens			Out-of-Wedlock Birth Rates for Teens			Teenage Women (Age 14-19)		
	1990	1980	Change	1990	1980	Change	1990	1980	Change
Jefferson	29.9	27.8	2.1	15.0	9.3	5.7	535	756	-221
Johnson	12.1	10.9	1.2	9.0	4.0	5.0	4977	5039	-62
Jones	27.9	36.9	-9.0	20.9	17.1	3.8	717	1110	-393
Keokuk	40.7	41.9	-1.2	15.8	14.9	0.9	442	669	-227
Kossuth	34.1	34.8	-0.7	25.9	12.4	13.5	733	1207	-474
Lee	38.1	46.7	-8.6	24.7	20.7	4.0	1497	2271	-774
Linn	34.1	36.0	-1.9	26.5	16.0	10.5	7217	9886	-2669
Louisa	33.0	42.5	-9.5	18.6	12.6	6.0	485	636	-151
Lucas	47.9	57.7	-9.8	18.0	11.9	6.1	334	503	-169
Lyon	16.0	22.3	-6.3	4.0	4.5	-0.5	499	672	-173
Madison	23.3	47.6	-24.3	7.8	7.1	0.7	514	567	-53
Mahaska	32.8	55.4	-22.6	14.7	20.0	-5.3	883	1101	-218
Marion	24.0	36.4	-12.4	16.0	7.6	8.4	1374	1703	-329
Marshall	25.2	36.5	-11.3	19.9	12.9	7.0	1509	2163	-654
Mills	18.7	44.6	-25.9	6.8	19.8	-13.0	589	605	-16
Mitchell	35.4	32.1	3.3	23.6	9.8	13.8	424	717	-293
Monona	33.0	39.9	-6.9	16.5	13.9	2.6	364	577	-213
Monroe	51.6	33.5	18.1	35.5	13.4	22.1	310	448	-138
Montgomery	26.8	38.1	-11.3	18.6	9.5	9.1	485	630	-145
Muscatine	53.3	50.5	2.8	30.5	17.3	13.2	1670	2258	-588
O'Brien	28.9	35.6	-6.7	17.0	10.3	6.7	589	870	-281
Osceola	30.7	25.3	5.4	20.5	6.9	13.6	293	435	-142
Page	40.8	45.6	-4.8	26.6	13.7	12.9	638	877	-239
Palo Alto	33.3	41.6	-8.3	19.0	12.5	6.5	421	721	-300
Plymouth	26.4	25.4	1.0	16.6	5.6	11.0	1022	1416	-394
Pocahontas	26.4	24.5	1.9	16.5	6.1	10.4	303	654	-351
Polk	44.4	40.9	3.5	35.6	19.6	16.0	12983	16252	-3269
Pottawattamie	55.5	50.6	4.9	37.2	23.5	13.7	3439	5100	-1661
Poweshiek	27.2	24.4	2.8	19.2	7.6	11.6	992	1187	-195
Ringgold	5.1	40.3	-35.2	0.0	7.3	-7.3	198	273	-75
Sac	22.2	36.4	-14.2	15.5	11.2	4.3	451	714	-263
Scott	53.5	49.1	4.4	43.6	24.8	18.8	6417	8798	-2381
Shelby	16.3	28.1	-11.8	12.7	7.0	5.7	552	854	-302
Sioux	14.2	27.3	-13.1	6.8	5.7	1.1	1617	2088	-471
Story	12.1	16.6	-4.5	5.3	3.2	2.1	3955	4929	-974
Tama	30.0	38.1	-8.1	18.6	16.0	2.6	699	998	-299
Taylor	36.8	47.0	-10.2	16.7	10.4	6.3	299	383	-84
Union	23.1	40.7	-17.6	11.5	16.3	-4.8	607	737	-130
Van Buren	54.6	43.7	10.9	37.8	13.8	24.0	238	435	-197
Wapello	52.3	46.1	6.2	33.5	18.7	14.8	1434	2037	-603
Warren	28.2	28.4	-0.2	20.7	6.9	13.8	1736	2041	-305
Washington	33.3	28.4	4.9	27.8	6.9	20.9	720	1021	-301
Wayne	37.7	62.9	-25.2	25.1	22.9	2.2	239	350	-111
Webster	38.9	44.9	-6.0	27.8	22.1	5.7	1618	2760	-1142
Winnebago	18.5	32.8	-14.3	16.8	14.3	2.5	594	701	-107
Winneshiek	11.9	16.7	-4.8	9.3	5.0	4.3	1178	1614	-436
Woodbury	54.9	51.9	3.0	43.6	27.0	16.6	4263	5301	-1038
Worth	35.2	33.2	2.0	24.6	5.1	19.5	284	391	-107
Wright	31.9	30.4	1.5	25.9	6.1	19.8	502	822	-320
State of Iowa	34.4	37.0	-2.6	24.4	14.1	10.3	116697	160914	-44217

under 15%. Nine counties (Black Hawk, Clinton, Des Moines, Polk, Pottawattamie, Scott, Wapello, Webster, Woodbury) had more than one of every four (25%) of their 1990 births occurring out of wedlock (Figure 2).

For Iowa, the percentage of births out of wedlock increased each year from 1980 to 1990. The counties were more variable; all had at least one year in which the percentage of out-of-wedlock births declined. Only Audubon had a lower percentage of out-of-wedlock births in 1990 than in 1980, however, and the decline was less than three percentage points. The other 98 counties had increases in the percentage of out-of-wedlock births between 1980 and 1990; 42 had percentages 10 or more points higher in 1990 than in 1980.

Births to Teens

Births to Iowa teens, which includes mothers 19 and younger, numbered 4,013 in 1990 (Table 3). The 1990 figure was four lower than in 1989; increases occurred from 1987 through 1989 following continuous decreases from 1980 to 1987. Still, teen births in 1990 were 32.6% lower than the 5,958 teen births recorded in 1980 (Table 4). For the counties, births to teens in 1990 ranged from 1 in Ringgold to 577 in Polk. Fifty-four counties had fewer than 20 births to teens. In each of the 11 years, Polk had the highest number of teen births, with Scott the second highest. From 1981 through 1990, the county with the lowest number of births to teens recorded six or fewer. In 1980, the lowest number was 11 (Osceola, Ringgold).

All but five counties had fewer teen births in 1990 than in 1980 (Table 5). Counties with a decrease in teen births of at least 50 were Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Webster. Linn's decline of 110 was the largest. Sixty-four counties showed decreases of 20 or fewer. Five counties (Cerro Gordo, Cherokee, Floyd, Johnson, Monroe) had more teen births in 1990 than in 1980, while two (Cass, Emmet) recorded the same number of births to teens both years.

Out-of-Wedlock Births to Teens

Teen births out of wedlock numbered 2,847 in the state in 1990, which was the highest figure of the years reported. Teen out-of-wedlock births declined each year from 1980 to 1984 and then increased annually from 1984 to 1990 (Tables 3-4).

As with out-of-wedlock births overall, teen out-of-wedlock births occurred disproportionately in the larger, urban counties. Six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) had the highest numbers of teen out-of-wedlock births in both 1980 and 1990. In 1980, these six recorded 38.9% of all teen births, but 50.1% of the out-of-wedlock teen births. Similarly, in 1990 they had 45.8% of the teen births and 50.8% of the out-of-wedlock teen births.

Between 1980 and 1990 all the counties experienced years when the number of teen out-of-wedlock births increased and other years when the number decreased. Differences between 1980 and 1990 ranged from a decline of 16 to a gain of 144 (Table 5). Twenty-seven counties had fewer teen out-of-wedlock births in 1990 than in 1980, 7 counties were the same in both years, and 65 counties showed an increase. For 92 of the counties, the change was less than 20 teen out-of-wedlock births.

The combination of fewer births to teens along with an increase in the number of teen out-of-wedlock births resulted in an increase from 1980 to 1990 in the proportion of teen births in Iowa that were out of wedlock (Table 5, Figure 1). In 1980, 2,274 of 5,958 teen births (38.2%) were out of wedlock. By 1990, 2,847 of 4,013 teen births—more than 7 of every 10 (70.9%)—were out of wedlock.

For the counties in 1990, the percentage of teen births that were out of wedlock ranged from less than 50% in 17 counties to 75% or more in 23 others (Figure 3). In 1980, the highest percentage for any county was 54.6% (Black Hawk) and only two other counties (Scott, Woodbury) were over 50%. In 1990, 82 counties had more than half of their teen births out of wedlock. Only three counties (Audubon, Mills, Ringgold) had a lower percentage of teen births out of wedlock in 1990 than in 1980.

Births to Teens Compared with Total Births

For every year between 1980 and 1987 in Iowa, both total births and births to teens declined, although both increased from 1987 to 1988 and 1988 to 1989. Because teen births for the period declined somewhat more than total births, the proportion of the total births that were to teens (12.5% in 1980) declined to 10.2% in 1990 (Table 5).

In 1990, the percentages of the total births that were to teens ranged from under 3% in one county (Ringgold) to more than 15% in two (Appanoose, Wapello). Although there were year-to-year variations for all the counties, teen births, as a percentage of all births, were lower in 1990 than in 1980 for 84 counties. Fourteen counties had a higher percentage of births to teens in 1990 than in 1980 while Johnson had the same percentage in both years.

Teens tended to have a much higher percentage of their births out of wedlock than the population overall. In most counties for both 1980 and 1990, 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 5).

For the state, the number of teen out-of-wedlock births remained relatively stable between 1980 and 1987 although they increased from 1987 to 1990. Over the entire time period teen out-of-wedlock births increased 25.2%. In comparison, the total number of out-of-wedlock births increased much faster (68.9%) in the same years. Consequently, teen out-of-wedlock births, which were 46.5% of all out-of-wedlock births in 1980, were down to 34.4% of all out-of-wedlock births in 1990 (Table 5).

For the counties in 1990, teen out-of-wedlock births, as a proportion of all out-of-wedlock births, ranged from less than 25% in nine counties to 50% or more in 12 others. Eighty-one counties had a lower proportion of all out-of-wedlock births to teens in 1990 than in 1980 while 16 counties increased.

Birth Rates for Teenage Women

Years in which censuses occur provide an opportunity to calculate birth rates; in this instance, rates have been computed for women aged 14 through 19—the teenage population. Those 13 sometimes are included in such calculations, but only five births occurred to those aged 13 in 1990. Thus, the age frame selected excludes anyone younger than 14 or older than 19. In 1990, 34.4 births to teenage women occurred for every 1,000 women in this age group (Table 6). That was a decrease of 2.6 points from the rate of 37.0 in 1980. While the general teenage birth rate declined, it increased for out-of-wedlock births. In 1980, there were 14.1 out-of-wedlock births for every 1,000 teenagers; this rate jumped to 24.4 in 1990.

These birth rates allow for direct comparisons across counties; basically, such rates control for the number of potential teenage mothers. The number of such individuals varied greatly in 1980 and 1990 (Table 6), but that effect is tempered when rates are calculated. Caution is suggested, however; these rates were calculated for only two years, and random events in some counties could have influenced the rates in one or both periods.

In 1990, 33 counties had teenage birth rates above the state's rate of 34.4. The eight highest (Appanoose, Monroe, Muscatine, Pottawattamie, Scott, Van Buren, Wapello, Woodbury) ranged from 51.8 to 55.5 births for every 1,000 teens. Another four counties (Cherokee, Des Moines, Lucas, Polk) had rates 10.0 or more points above that for Iowa. Twenty-five counties reported teenage birth rates at least 10 points below the state figure in 1990; eight (Bremer, Calhoun, Grundy, Johnson, Ringgold, Sioux, Story, Winneshiek) of these were at least 20 points below Iowa's 34.4 births for every 1,000 teenage women (Figure 4).

Birth rates for teenagers decreased in two-thirds (67) and increased in one-third (32) of Iowa's counties between 1980 and 1990. Declines of at least 20 points occurred in 11 counties (Adams, Audubon, Bremer, Butler, Davis, Delaware, Madison, Mahaska, Mills, Ringgold, Wayne). Gains of 10 points or more took place in Cass, Cerro Gordo, Cherokee, Floyd, Monroe, and Van Buren.

Out-of-wedlock birth rates also varied by county (Figure 5). Thirteen counties had fewer than 10 out-of-wedlock births to teenage women for every 1,000 women in that age group in 1990. Eleven counties reported at least 30 out-of-wedlock births for every 1,000 teenage women, with Scott and Woodbury both above 40. Four others (Monroe, Polk, Pottawattamie, Van Buren) were at least 10 points above the state's out-of-wedlock birth rate to teenage women of 24.4.

Between 1980 and 1990, out-of-wedlock birth rates to teenagers declined in 10 counties (Audubon, Calhoun, Clay, Harrison, Howard, Lyon, Mahaska, Mills, Ringgold, Union) and did not change in Davis. In only Audubon and Mills did this rate fall by more than 10 points. In contrast, out-of-wedlock birth rates to teenage women increased by at least 10 points in 43 counties as well as the state. Adair, Floyd, Fremont, Monroe, Van Buren, and Washington had out-of-wedlock birth rates to teenagers that were at least 20 points higher in 1990 than 10 years earlier.

The majority (56) of Iowa's counties had a decline in the total teenage birth rate but an increase in the out-of-wedlock birth rate to teenage women from 1980 to 1990. Thirty-two noted increases in both rates, while 10 (Audubon, Calhoun, Clay, Harrison, Howard, Lyon, Mahaska, Mills, Ringgold, Union) had declines in both. Davis had a decrease in the teenage birth rate and no change in the one for out-of-wedlock births.

Figure 1. Percent of births out of wedlock in Iowa, 1980-1990.

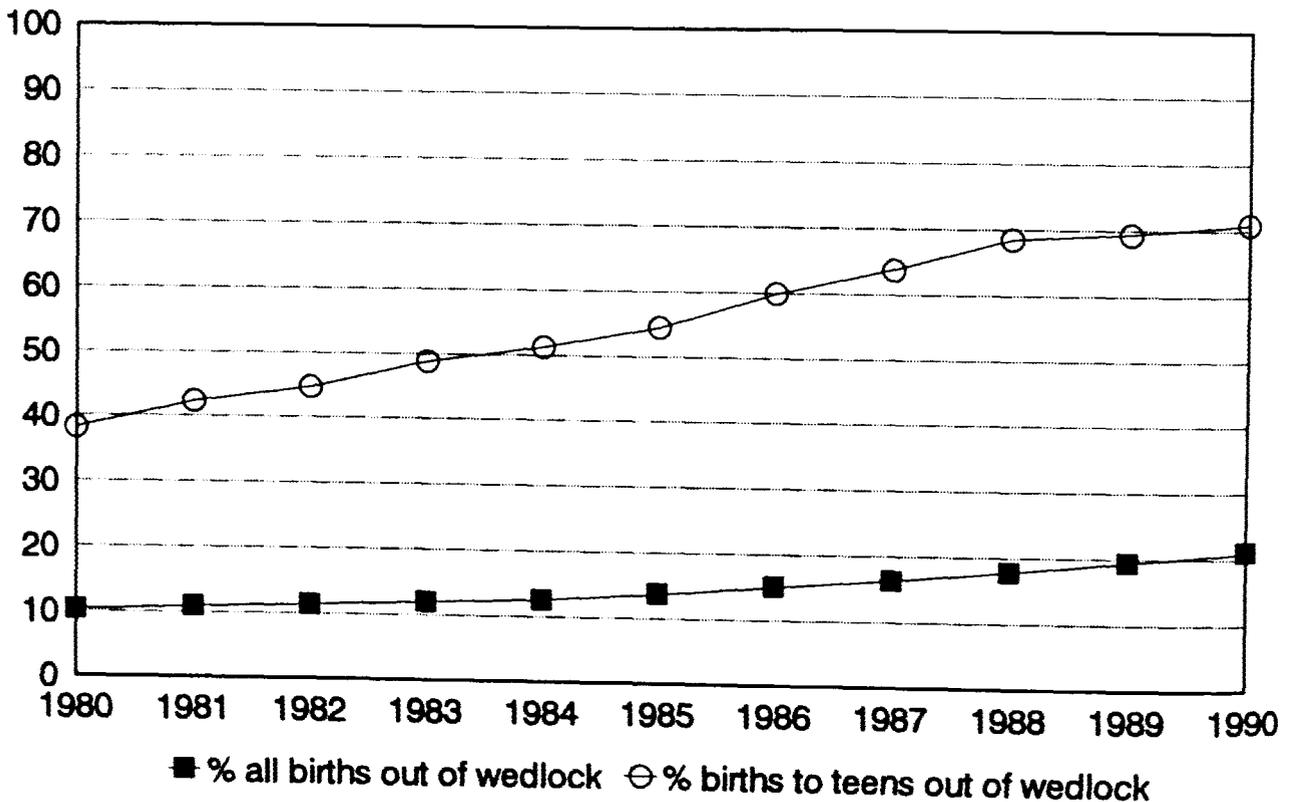


Figure 2. Percent of births out of wedlock, 1990.

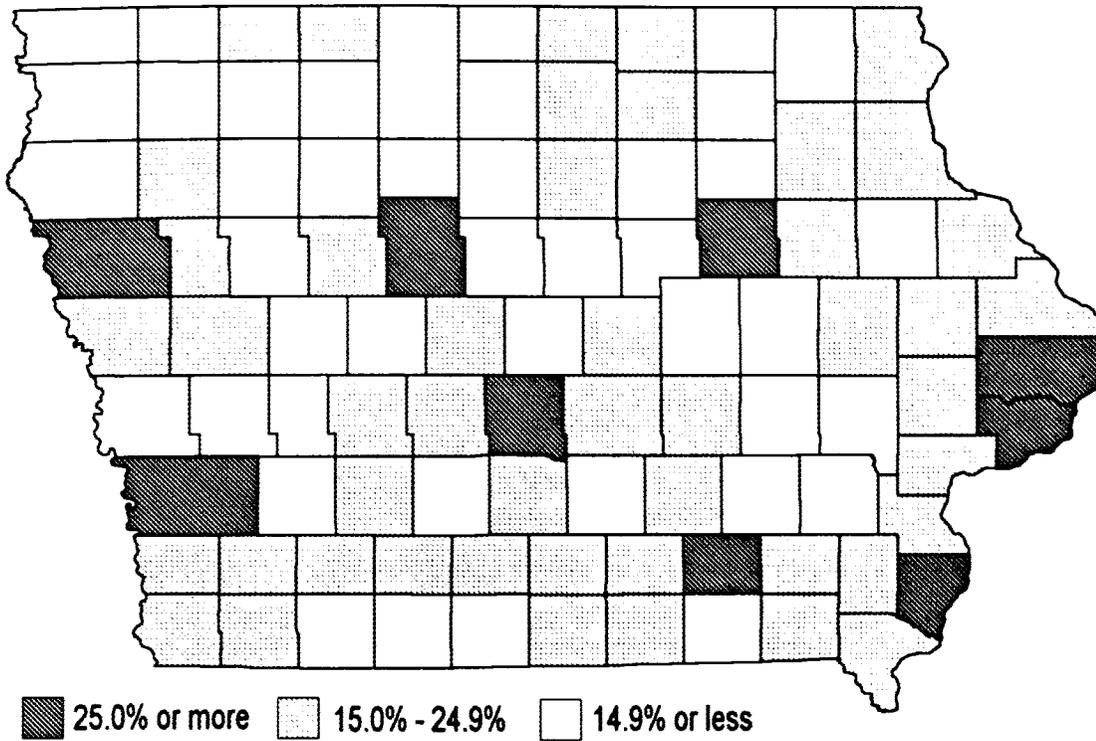


Figure 3. Percent of births to teenage women out of wedlock, 1990.

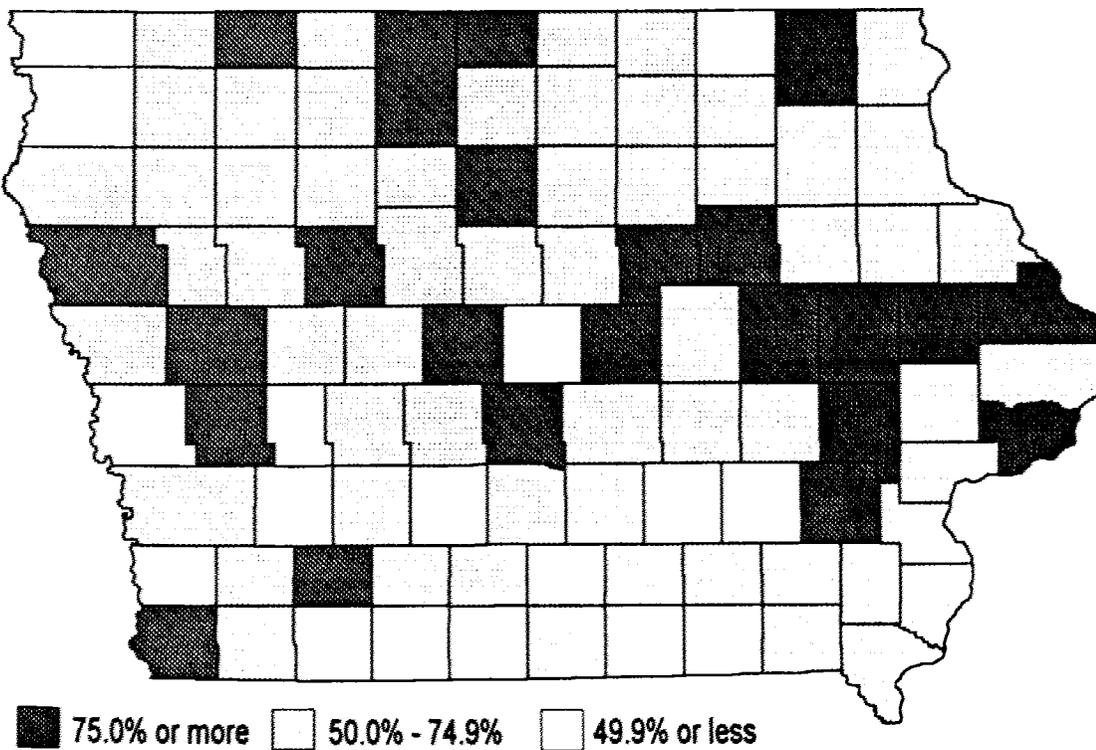


Figure 4. Birth rates for teenage women, 1990.

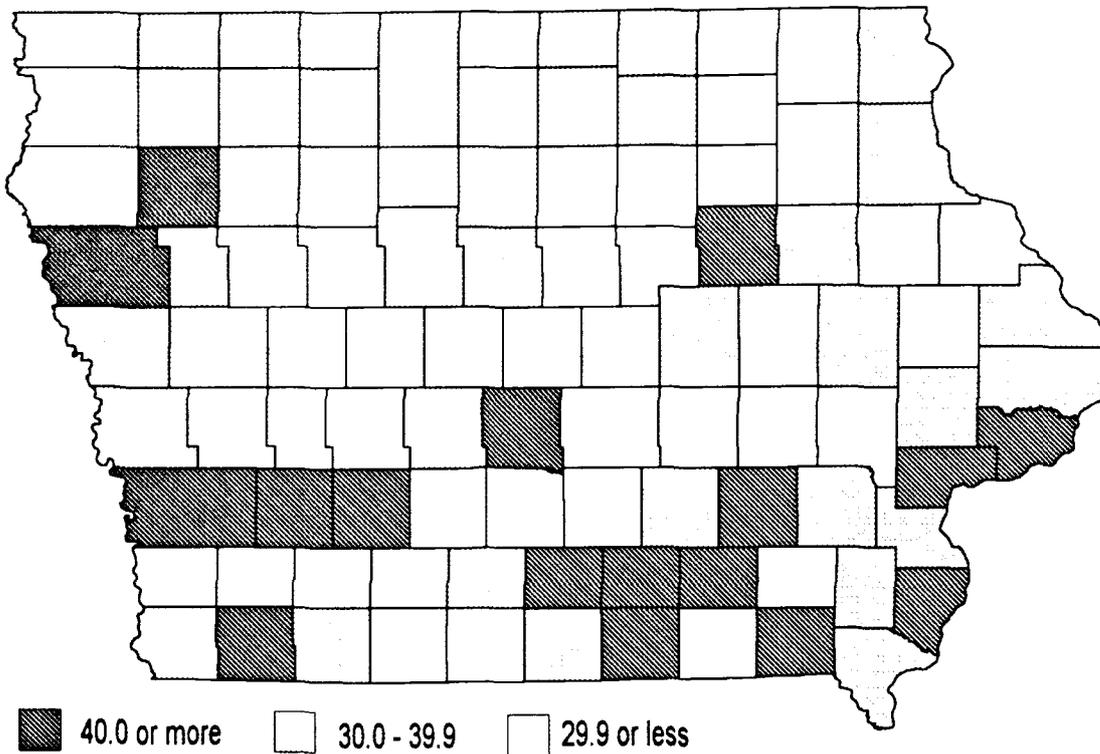
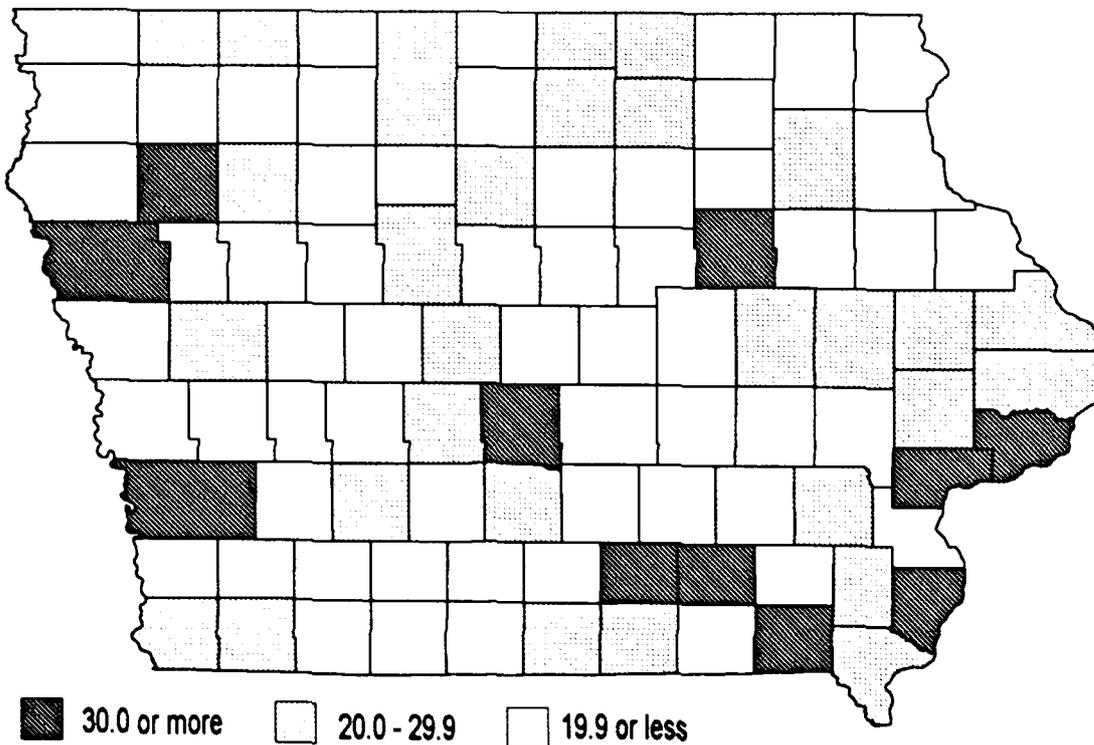


Figure 5. Out-of-wedlock birth rates for teenage women, 1990.



Deaths Caused by Accident, Suicide, or Homicide in Iowa's Counties: 1980-1990

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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 1990, the 16,725 deaths due to these four causes accounted for 5.6% of all deaths (299,216) 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 1990, 491 Iowans died in motor vehicle accidents (Table 1). From 1980 through 1990, only two years (1984, 1986) had lower totals; deaths from motor vehicle accidents were substantially higher in 1980 and 1981, exceeding 650 both years (Figure 1).

Polk county had more residents (35) die in motor vehicle accidents in 1990 than did any other county. The next highest county was Linn with 21. Ten counties had from 10 to 19 such deaths. Twenty-five counties had from five to nine motor vehicle deaths while a majority (58) had one to four. Four counties (Adams, Emmet, Franklin, Wayne) had no residents die in motor vehicle accidents in 1990.

A total of 5,931 Iowa residents died in motor vehicle accidents from 1980 through 1990. Of these, 522 were residents of Polk county. Eleven other counties had at least 100 residents die in this manner between 1980 and 1990. Of the 87 counties with fewer than 100 motor vehicle deaths, 24 counties had from 50 to 99, 47 recorded 25 to 49 such deaths, and 16 counties had 24 or fewer. Adams county had 10 residents die in motor vehicle accidents during the 11 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 549 Iowans were due to these kinds of incidents in 1990 (Table 2). In 1980, 652 accidental deaths not involving motor vehicles occurred to Iowa residents, the highest during the period reviewed (Figure 1).

In 1990, Polk county had the highest number (68) of deaths from accidents other than those involving motor vehicles, followed by Black Hawk (24) and Dubuque (20). Five or fewer such deaths occurred in 71 counties in 1990; among these, no deaths from these kinds of accidents were reported for residents of two counties (Adams, Audubon) in 1990.

During the 1980-1990 period, accidents other than those involving motor vehicles claimed the lives of 6,417 Iowans. Polk's total was 761, more than double that of second place Linn (266). Eleven other counties recorded more than 100 such accidental deaths during the 11 years. For 23 counties, between 50 and 99 residents died in these accidents, while 63 counties had fewer than 50 such deaths. Ringgold (16) and Worth (15) had the fewest of these accidental deaths during the period.

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Adair	3	1	1	0	2	0	2	1	0	2	3	15
Adams	0	1	4	1	0	1	0	1	1	1	0	10
Allamakee	4	6	1	9	3	1	6	7	7	5	9	58
Appanoose	5	4	6	4	4	1	5	0	0	5	3	37
Audubon	2	1	0	0	0	1	2	4	0	2	4	16
Benton	3	7	8	5	3	3	4	9	5	3	7	57
Black Hawk	19	16	17	13	13	18	13	16	19	24	29	197
Boone	3	3	2	6	1	5	2	2	6	7	3	40
Bremer	5	5	9	2	3	4	2	4	3	5	8	50
Buchanan	3	4	8	1	1	2	4	6	7	5	5	46
Buena Vista	3	4	8	2	3	2	5	3	6	5	6	47
Butler	2	3	6	6	5	1	3	2	2	2	5	37
Calhoun	2	10	4	3	2	5	3	3	2	2	7	43
Carroll	2	1	6	5	3	3	3	3	5	3	8	42
Cass	2	0	4	1	7	4	1	6	4	4	10	43
Cedar	2	3	9	4	2	7	4	0	5	8	5	49
Cerro Gordo	3	6	3	8	5	8	3	5	8	10	16	75
Cherokee	1	5	5	3	0	4	4	1	4	7	4	38
Chickasaw	1	1	5	2	3	1	5	1	2	2	6	29
Clarke	2	2	1	2	4	3	0	0	3	4	1	22
Clay	4	1	1	2	4	4	1	3	6	2	8	36
Clayton	2	13	3	1	8	3	5	5	6	10	11	67
Clinton	9	8	20	10	10	8	6	11	14	16	11	123
Crawford	2	2	4	7	4	10	2	9	2	6	6	54
Dallas	10	5	11	6	5	7	5	6	8	7	5	75
Davis	3	3	0	2	3	3	5	1	1	0	0	21
Decatur	1	1	1	0	1	2	3	2	8	4	2	25
Delaware	2	1	1	4	2	4	3	2	4	4	4	31
Des Moines	7	5	12	8	8	4	11	9	5	8	9	86
Dickinson	1	2	2	3	0	2	1	0	1	1	5	18
Dubuque	11	18	15	14	14	14	15	18	12	21	18	170
Emmet	0	3	3	4	1	8	3	2	0	5	4	33
Fayette	13	3	12	8	3	6	3	4	4	5	2	63
Floyd	2	5	4	4	1	3	2	5	8	6	7	47
Franklin	0	4	4	2	1	1	3	3	2	3	3	26
Fremont	2	2	2	5	4	4	3	2	2	4	3	33
Greene	4	2	9	1	0	0	1	2	1	5	8	33
Grundy	1	0	1	2	1	2	1	2	4	2	3	19
Guthrie	1	1	5	1	1	3	2	2	3	1	2	22
Hamilton	4	4	7	7	2	0	3	6	3	8	4	48
Hancock	5	2	2	2	4	1	3	3	1	1	2	26
Hardin	2	3	8	5	3	3	8	2	2	7	7	50
Harrison	6	6	5	2	4	2	5	4	6	1	8	49
Henry	2	7	1	2	7	0	3	1	5	6	4	38
Howard	2	4	2	3	3	1	5	1	1	5	2	29
Humboldt	1	4	1	3	3	2	2	4	0	5	2	27
Ida	2	1	2	7	1	5	2	3	0	1	0	24
Iowa	2	1	3	3	2	8	1	0	5	5	5	35
Jackson	7	3	8	11	8	7	4	7	10	8	7	80
Jasper	8	10	6	8	7	3	10	9	5	6	5	77

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Jefferson	5	2	3	5	2	2	4	5	1	4	5	38
Johnson	10	14	6	5	8	22	8	7	14	9	11	114
Jones	5	4	6	4	2	4	1	7	3	6	6	48
Keokuk	5	0	5	6	3	3	8	9	6	8	3	56
Kossuth	1	9	3	4	2	10	3	1	7	7	5	52
Lee	16	9	9	8	5	8	6	10	9	13	14	107
Linn	21	26	19	19	16	20	19	15	20	32	29	236
Louisa	4	5	3	0	3	0	2	3	3	2	2	27
Lucas	6	2	0	3	2	3	3	3	2	4	1	29
Lyon	2	2	0	2	5	3	4	1	2	5	4	30
Madison	2	3	1	2	1	4	3	3	1	3	1	24
Mahaska	5	3	6	7	3	4	4	5	3	0	6	46
Marion	7	8	6	2	4	5	2	5	1	8	4	52
Marshall	6	11	2	9	10	9	6	9	13	10	11	96
Mills	7	2	2	3	5	3	2	1	3	3	4	35
Mitchell	1	2	3	3	1	1	1	4	1	2	3	22
Monona	3	5	4	4	5	0	3	3	3	6	7	43
Monroe	3	5	1	1	1	3	3	6	1	3	6	33
Montgomery	4	2	3	2	3	2	1	2	2	6	2	29
Muscatine	11	19	14	8	4	18	10	15	8	12	9	128
O'Brien	1	4	3	3	0	1	7	3	3	8	3	36
Osceola	1	0	3	0	6	2	2	4	1	2	0	21
Page	7	2	5	1	2	2	8	4	3	5	6	45
Palo Alto	4	3	3	0	2	7	1	1	1	2	2	26
Plymouth	4	3	6	8	4	9	1	5	7	8	10	65
Pocahontas	4	6	5	3	7	1	2	3	3	5	4	43
Polk	35	48	60	41	43	45	44	43	28	58	77	522
Pottawattamie	14	14	15	25	17	14	11	21	21	22	5	179
Poweshiek	2	5	4	6	5	3	8	2	6	5	6	52
Ringgold	1	0	2	3	0	2	2	3	1	1	3	18
Sac	2	4	4	7	1	7	1	3	4	3	5	41
Scott	18	21	19	22	21	15	18	33	18	29	28	242
Shelby	3	4	4	2	0	2	2	5	5	2	7	36
Sioux	8	7	4	6	9	5	4	4	4	4	6	61
Story	9	4	5	9	6	6	9	5	6	9	9	77
Tama	6	3	2	5	5	5	4	8	3	7	4	52
Taylor	2	2	1	5	4	2	0	5	3	2	3	29
Union	1	2	4	1	5	3	3	0	5	3	5	32
Van Buren	2	2	2	0	0	1	2	1	3	3	1	17
Wapello	9	11	7	2	9	8	5	5	7	11	5	79
Warren	4	8	11	3	7	7	5	6	6	6	11	74
Washington	3	4	3	4	5	10	4	4	3	10	8	58
Wayne	0	0	1	3	0	3	1	3	2	3	3	19
Webster	8	11	10	8	11	12	14	11	9	11	17	122
Winnebago	5	4	3	3	1	1	5	7	3	3	4	39
Winneshiek	8	5	3	2	3	2	5	7	4	4	3	46
Woodbury	16	17	16	14	13	19	13	20	22	15	12	177
Worth	1	3	3	1	1	2	2	1	3	0	0	17
Wright	6	4	4	3	4	7	5	3	4	2	3	45
State of Iowa	491	541	570	501	455	521	473	536	509	655	679	5931

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Adair	2	3	1	4	2	1	4	0	4	2	4	27
Adams	0	3	3	1	1	2	2	1	1	2	3	19
Allamakee	4	7	5	5	8	2	4	4	5	3	3	50
Appanoose	3	3	4	4	9	6	4	2	6	1	3	45
Audubon	0	2	2	0	2	2	2	4	3	1	2	20
Benton	5	6	4	4	1	5	4	7	2	4	6	48
Black Hawk	24	14	15	22	24	14	16	33	21	25	27	235
Boone	3	8	11	11	8	8	3	9	3	9	5	78
Bremer	4	3	5	1	5	2	4	4	4	8	2	42
Buchanan	4	1	5	7	3	5	4	3	6	8	4	50
Buena Vista	2	7	6	3	0	4	2	8	3	4	6	45
Butler	2	2	3	4	7	2	1	2	2	4	5	34
Calhoun	2	1	4	4	4	2	3	4	0	1	2	27
Carroll	2	7	6	8	2	5	8	3	11	3	5	60
Cass	6	8	7	5	1	8	3	1	4	3	5	51
Cedar	5	1	2	0	1	6	5	2	2	4	0	28
Cerro Gordo	2	8	4	8	11	10	9	7	8	13	9	89
Cherokee	5	9	7	2	1	3	2	4	3	1	2	39
Chickasaw	1	1	1	1	4	1	3	0	2	3	3	20
Clarke	4	2	1	2	0	3	2	3	1	3	7	28
Clay	2	0	2	4	1	0	4	3	6	4	5	31
Clayton	3	5	8	4	2	6	9	6	8	6	7	64
Clinton	6	14	11	13	9	13	6	8	20	5	14	119
Crawford	4	5	1	3	5	5	5	3	5	5	4	45
Dallas	3	6	11	10	4	8	8	7	6	4	4	71
Davis	2	2	1	2	0	2	2	4	5	1	1	22
Decatur	5	4	4	2	3	3	1	2	2	1	5	32
Delaware	3	6	6	2	5	6	9	2	7	1	4	51
Des Moines	11	13	11	4	11	14	2	5	7	9	7	94
Dickinson	6	3	0	3	3	4	3	3	8	4	3	40
Dubuque	20	13	10	7	22	20	16	13	13	15	19	168
Emmet	1	3	6	1	1	4	5	3	0	4	2	30
Fayette	5	7	3	8	3	6	8	3	6	10	8	67
Floyd	1	1	5	5	2	2	5	4	6	3	10	44
Franklin	3	3	3	1	6	5	1	3	1	5	2	33
Fremont	3	2	3	2	1	0	2	7	3	8	3	34
Greene	1	0	1	3	3	5	1	7	2	0	4	27
Grundy	2	2	1	2	2	2	0	1	4	4	6	26
Guthrie	2	4	1	5	3	4	3	1	6	3	8	40
Hamilton	3	1	2	1	5	2	3	6	1	1	5	30
Hancock	3	2	3	3	5	0	3	3	5	3	1	31
Hardin	5	1	1	3	4	3	2	4	5	4	9	41
Harrison	4	3	6	4	2	8	3	9	3	4	3	49
Henry	1	3	7	2	3	7	1	8	2	3	3	40
Howard	3	3	5	2	1	2	0	3	3	1	0	23
Humboldt	3	0	2	2	1	0	4	1	5	5	1	24
Ida	2	3	7	3	2	0	4	3	3	4	2	33
Iowa	2	3	2	3	2	2	3	1	1	3	3	25
Jackson	5	2	2	3	2	2	5	4	9	11	4	49
Jasper	4	8	5	6	12	7	8	9	8	12	11	90

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Jefferson	2	4	1	7	3	4	2	4	2	4	0	33
Johnson	16	8	11	11	13	6	6	13	11	12	6	113
Jones	5	6	4	3	5	5	3	7	1	3	6	48
Keokuk	4	0	6	5	4	6	6	3	4	4	2	44
Kossuth	6	8	7	3	11	3	4	4	4	3	4	57
Lee	6	7	17	10	4	8	6	15	11	8	12	104
Linn	19	25	29	17	26	23	23	22	21	29	32	266
Louisa	4	1	0	5	2	5	1	1	5	2	0	26
Lucas	1	7	4	0	1	3	0	2	5	1	1	25
Lyon	5	2	3	5	3	1	7	1	3	5	3	38
Madison	3	3	8	2	5	5	3	3	3	4	6	45
Mahaska	7	4	5	7	4	4	3	5	4	4	4	51
Marion	11	6	5	6	14	7	8	8	8	11	6	90
Marshall	10	7	10	8	6	9	12	9	5	9	11	96
Mills	7	3	1	2	2	2	2	1	1	4	2	27
Mitchell	4	8	1	4	2	3	6	2	4	6	7	47
Monona	3	5	3	1	5	2	3	4	3	0	3	32
Monroe	1	4	1	3	1	6	3	1	2	0	7	29
Montgomery	6	6	1	5	2	3	3	1	3	6	1	37
Muscatine	5	5	12	8	8	12	6	8	10	9	5	88
O'Brien	3	0	4	8	9	6	2	3	6	6	2	49
Osceola	1	3	0	2	1	5	0	3	1	1	3	20
Page	5	2	5	3	5	7	2	4	6	3	4	46
Palo Alto	1	4	1	1	1	2	5	0	2	4	5	26
Plymouth	3	5	0	4	2	2	3	4	6	5	2	36
Pocahontas	6	1	2	0	2	0	1	0	8	1	4	25
Polk	68	72	88	60	78	61	74	51	58	71	80	761
Pottawattamie	13	21	22	14	16	17	11	15	19	16	14	178
Poweshiek	3	6	7	7	3	5	3	5	6	2	6	53
Ringgold	1	1	0	3	2	2	5	1	0	0	1	16
Sac	5	3	2	1	2	4	1	4	4	8	4	38
Scott	14	27	13	34	27	19	21	24	25	24	22	250
Shelby	6	2	4	0	3	4	9	6	3	3	6	46
Sioux	3	7	3	2	6	5	7	5	8	7	10	63
Story	16	9	7	11	8	13	5	14	14	14	13	124
Tama	8	6	1	2	12	5	4	1	6	4	4	53
Taylor	2	3	4	0	1	1	1	1	5	1	2	21
Union	3	5	6	6	0	3	4	4	5	6	3	45
Van Buren	3	5	2	2	6	2	2	1	1	1	2	27
Wapello	9	10	6	9	7	4	8	15	7	14	12	101
Warren	8	7	9	3	7	7	9	9	8	9	4	80
Washington	7	4	9	8	3	6	9	4	3	5	7	65
Wayne	1	0	0	3	2	4	2	3	2	8	4	29
Webster	10	13	12	8	6	11	7	10	9	14	12	112
Winnebago	1	1	4	1	3	2	2	4	3	4	3	28
Winneshiek	6	2	6	7	2	11	2	2	5	5	5	53
Woodbury	14	29	18	14	21	15	15	27	12	18	29	212
Worth	3	0	0	0	2	1	2	1	2	2	2	15
Wright	3	2	4	1	5	6	2	0	6	4	8	41
State of Iowa	549	587	594	535	582	580	536	572	601	629	652	6417

Table 3. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1990
Adair	1	2	1	2	3	0	1	2	0	2	1	15
Adams	0	1	1	0	0	0	2	1	0	0	0	5
Allamakee	1	1	2	5	4	3	2	1	2	0	3	24
Appanoose	3	4	2	2	2	0	4	0	4	1	3	25
Audubon	1	1	1	0	1	1	1	0	1	2	0	9
Benton	4	1	4	3	3	5	1	2	2	1	1	27
Black Hawk	12	13	16	16	14	16	17	15	12	15	13	159
Boone	3	1	3	3	3	4	3	2	3	0	4	29
Bremer	3	3	0	3	0	2	3	2	0	1	4	21
Buchanan	4	1	2	2	1	2	7	1	2	3	3	28
Buena Vista	0	1	2	1	2	3	5	2	0	1	0	17
Butler	2	2	2	3	3	2	1	2	0	1	0	18
Calhoun	1	2	1	3	0	0	2	1	4	1	1	16
Carroll	3	6	2	2	2	1	2	3	2	2	3	28
Cass	1	2	1	2	5	1	1	5	1	1	2	22
Cedar	1	2	1	2	4	2	4	2	1	3	0	22
Cerro Gordo	5	6	3	9	4	9	2	5	8	4	4	59
Cherokee	1	0	0	3	2	2	1	1	1	1	1	13
Chickasaw	1	0	2	3	1	2	1	1	0	0	2	13
Clarke	1	2	2	2	0	0	1	0	3	0	2	13
Clay	1	1	0	0	1	1	2	2	0	3	3	14
Clayton	2	0	2	3	4	4	3	2	0	4	3	27
Clinton	6	3	5	9	11	6	11	6	6	9	7	79
Crawford	3	3	0	0	1	2	1	2	2	0	2	16
Dallas	2	5	3	4	4	4	2	3	7	4	3	41
Davis	0	0	0	0	1	0	0	1	0	4	2	8
Decatur	0	0	1	1	1	3	0	0	0	0	0	6
Delaware	1	1	1	3	2	2	3	5	0	1	0	19
Des Moines	6	6	5	12	7	2	3	5	7	6	4	63
Dickinson	2	1	3	1	7	3	1	5	1	1	0	25
Dubuque	6	9	11	12	5	9	7	12	8	6	10	95
Emmet	2	1	1	1	0	1	4	0	0	1	8	19
Fayette	2	3	2	7	2	3	1	3	4	6	3	36
Floyd	1	2	1	4	0	3	0	1	2	3	0	17
Franklin	3	0	0	2	1	1	1	0	0	2	1	11
Fremont	1	3	2	1	1	1	2	0	0	0	0	11
Greene	1	3	1	4	1	2	1	3	1	0	4	21
Grundy	1	2	3	0	2	3	2	1	1	0	2	17
Guthrie	2	2	1	0	3	3	2	2	3	1	3	22
Hamilton	1	4	4	3	3	3	3	0	1	1	0	23
Hancock	0	1	3	2	1	1	3	1	0	1	2	15
Hardin	1	0	1	2	1	2	1	0	6	0	1	15
Harrison	0	2	2	1	2	1	3	1	3	4	1	20
Henry	2	4	3	1	0	1	7	3	1	6	1	29
Howard	1	0	0	0	0	1	1	2	1	0	0	6
Humboldt	0	1	0	2	0	1	3	0	3	0	3	13
Ida	1	1	1	0	0	0	3	1	1	0	1	9
Iowa	1	1	1	2	3	1	1	0	1	0	2	13
Jackson	3	2	1	3	2	2	4	2	3	4	1	27
Jasper	4	4	3	3	6	4	3	3	2	1	5	38

Table 3. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Jefferson	6	0	2	2	2	1	2	2	0	0	2	19
Johnson	9	3	11	12	10	14	7	4	6	11	8	95
Jones	8	4	2	3	1	4	1	2	1	2	4	32
Keokuk	2	1	0	2	1	2	0	1	2	3	1	15
Kossuth	2	2	0	4	1	1	1	3	3	2	2	21
Lee	3	2	2	6	5	7	4	4	4	4	4	45
Linn	24	20	30	28	27	16	19	13	20	22	20	239
Louisa	4	1	3	3	1	3	6	1	0	3	0	25
Lucas	1	2	3	4	1	0	2	0	2	1	4	20
Lyon	1	1	0	1	2	0	4	3	0	0	5	17
Madison	0	2	1	0	2	1	4	1	3	1	1	16
Mahaska	4	2	2	1	5	2	2	7	1	2	2	30
Marion	3	5	2	7	6	3	6	6	2	3	5	48
Marshall	6	1	6	6	12	5	5	6	7	5	3	62
Mills	2	0	2	1	0	1	0	2	1	3	1	13
Mitchell	2	4	0	0	0	1	0	4	1	2	2	16
Monona	2	0	2	0	4	1	1	0	0	0	1	11
Monroe	3	2	0	1	0	0	1	0	2	0	1	10
Montgomery	1	4	1	2	3	2	2	3	5	0	3	26
Muscatine	8	2	4	7	5	4	3	6	7	2	1	49
O'Brien	4	0	0	0	2	3	1	2	3	0	0	15
Osceola	1	1	1	1	3	2	0	0	0	2	1	12
Page	1	2	1	0	3	0	2	1	0	2	1	13
Palo Alto	0	0	2	0	2	0	0	1	2	3	0	10
Plymouth	3	2	2	6	2	3	1	3	2	0	0	24
Pocahontas	2	1	2	1	0	2	2	0	2	3	1	16
Polk	49	46	51	42	42	50	31	47	46	40	40	484
Pottawattamie	13	11	11	16	8	12	12	11	10	9	13	126
Poweshiek	1	3	3	2	0	0	2	4	3	2	2	22
Ringgold	3	0	0	0	1	1	1	0	0	0	0	6
Sac	2	2	1	1	3	0	0	0	1	2	1	13
Scott	13	19	16	31	27	20	22	28	13	25	36	250
Shelby	4	1	2	1	1	2	2	2	0	2	2	19
Sioux	1	0	2	1	2	3	3	2	0	0	0	14
Story	6	6	5	8	5	6	6	3	9	4	3	61
Tama	0	1	2	2	3	3	3	5	3	3	1	26
Taylor	3	3	2	3	1	2	2	2	1	0	1	20
Union	3	1	0	3	0	1	3	1	1	1	2	16
Van Buren	0	1	2	0	4	3	1	4	0	0	1	16
Wapello	4	4	3	5	7	5	5	7	7	4	4	55
Warren	3	6	3	5	3	5	5	1	3	2	5	41
Washington	2	3	1	3	1	3	1	3	0	2	1	20
Wayne	1	0	1	1	2	1	1	0	0	0	0	7
Webster	7	7	5	6	11	3	5	3	10	7	4	68
Winnebago	1	0	2	2	1	2	1	1	1	2	0	13
Winneshiek	3	2	2	3	3	3	3	2	0	4	2	27
Woodbury	9	12	12	14	12	7	17	10	11	11	9	124
Worth	0	3	0	0	1	0	2	1	2	0	0	9
Wright	2	3	1	2	2	0	3	0	1	0	2	16
State of Iowa	336	314	317	398	366	335	346	326	308	303	321	3670

Table 4. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Adair	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	0	0	1	1
Allamakee	0	0	0	1	0	0	0	0	0	0	1	2
Appanoose	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
Benton	0	1	0	3	1	0	0	0	0	1	1	7
Black Hawk	6	3	3	0	1	3	2	6	4	10	4	42
Boone	0	0	0	1	0	0	2	1	0	1	2	7
Bremer	0	0	1	0	1	0	0	0	0	1	0	3
Buchanan	0	1	0	0	0	0	0	0	1	1	0	3
Buena Vista	0	0	0	0	1	0	0	2	0	0	0	3
Butler	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
Carroll	0	0	1	0	0	0	0	0	0	0	1	2
Cass	0	0	1	0	0	0	1	0	0	0	0	2
Cedar	0	0	0	0	0	0	0	0	0	0	0	0
Cerro Gordo	0	0	2	0	1	0	2	0	3	1	0	9
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0
Clarke	0	0	0	0	0	0	0	0	0	1	0	1
Clay	1	1	0	0	0	0	0	0	0	0	0	2
Clayton	0	0	1	0	2	0	0	0	0	0	0	3
Clinton	1	1	2	0	4	3	0	0	1	9	1	22
Crawford	0	0	0	1	2	0	0	0	0	0	0	3
Dallas	0	2	1	1	0	0	1	0	1	1	0	7
Davis	0	0	0	1	1	0	1	0	0	0	0	3
Decatur	1	0	0	0	0	0	0	0	0	0	1	2
Delaware	0	0	0	0	0	0	0	0	0	0	0	0
Des Moines	2	2	0	0	1	0	1	3	3	0	4	16
Dickinson	1	1	0	0	0	0	0	0	0	1	0	3
Dubuque	0	0	0	1	0	1	0	1	0	1	1	5
Emmet	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
Floyd	0	1	0	0	0	0	0	0	0	0	0	1
Franklin	0	0	0	0	0	0	0	0	0	0	2	2
Fremont	0	0	0	1	0	0	1	1	1	0	0	4
Greene	0	0	0	0	0	0	0	0	0	1	0	1
Grundy	0	0	0	0	0	0	0	0	0	0	0	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	0	1	0	0	0	1	0	0	0	0	0	2
Hancock	0	0	0	0	0	2	0	0	1	1	0	4
Hardin	0	0	1	0	0	0	0	0	0	0	0	1
Harrison	0	0	0	0	0	0	1	1	0	0	0	2
Henry	0	1	0	0	1	0	2	4	0	2	2	12
Howard	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
Ida	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	1	0	0	0	0	0	0	0	0	0	0	1
Jackson	1	0	0	1	0	1	1	1	0	1	1	7
Jasper	0	2	3	0	3	1	1	2	2	0	0	14

Table 4. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1990
Jefferson	0	0	0	0	0	0	0	0	0	0	1	1
Johnson	1	0	2	0	0	4	1	0	0	2	0	10
Jones	0	0	0	0	0	0	0	1	0	0	0	1
Keokuk	0	0	0	1	0	0	0	0	0	1	0	2
Kossuth	0	0	0	2	0	1	0	0	0	0	0	3
Lee	0	1	0	0	0	2	1	1	3	2	2	12
Linn	2	5	1	3	2	2	7	6	4	3	3	38
Louisa	0	0	0	0	0	0	0	0	1	0	0	1
Lucas	0	0	0	0	0	0	1	0	1	0	0	2
Lyon	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	1	0	1	1	1	0	0	0	0	4
Mahaska	1	0	1	1	0	1	0	1	1	0	0	6
Marion	2	0	0	0	1	1	0	0	1	0	1	6
Marshall	1	1	0	2	0	0	1	0	2	1	1	9
Mills	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
Monona	0	0	0	0	0	0	0	0	1	0	0	1
Monroe	0	0	0	0	0	2	1	1	0	0	0	4
Montgomery	0	0	1	0	0	0	0	0	0	0	0	1
Muscatine	0	0	1	1	2	4	0	0	3	1	1	13
O'Brien	1	0	0	0	0	1	0	0	0	1	0	3
Osceola	0	0	0	0	0	0	0	0	0	0	0	0
Page	0	1	1	0	0	0	1	0	0	0	3	6
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	0	0	0	0	0	0	0	0	0	0	0	0
Pocahontas	0	1	0	0	0	0	0	0	2	1	0	4
Polk	18	15	15	19	21	13	18	13	17	13	19	181
Pottawattamie	2	1	4	2	4	0	4	4	1	1	5	28
Poweshiek	0	0	0	0	0	1	0	0	0	0	1	2
Ringgold	0	0	0	0	0	0	0	0	0	0	1	1
Sac	0	0	0	0	0	0	0	0	1	0	1	2
Scott	3	5	3	5	2	6	9	6	5	8	9	61
Shelby	0	0	0	0	0	0	0	0	0	1	0	1
Sioux	0	0	0	0	1	1	0	0	0	0	0	2
Story	0	0	0	2	2	1	1	0	0	0	0	6
Tama	2	0	1	0	1	0	0	0	0	0	3	7
Taylor	0	0	0	0	0	1	1	0	0	0	1	3
Union	1	0	0	0	0	0	0	1	0	0	0	2
Van Buren	1	0	0	0	0	0	1	0	0	0	0	2
Wapello	0	0	1	3	0	0	1	1	1	2	0	9
Warren	0	1	0	1	0	1	1	0	1	0	0	5
Washington	0	0	1	1	0	0	0	0	0	0	1	3
Wayne	0	0	0	0	1	1	0	0	0	0	0	2
Webster	1	1	2	0	0	1	2	2	2	4	1	16
Winnebago	0	0	0	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	0	0	0	0	0	0	0	0	0	0
Woodbury	1	6	1	3	4	0	2	6	2	4	1	30
Worth	0	0	0	0	0	1	0	0	0	0	0	1
Wright	0	0	0	0	1	0	0	0	1	0	0	2
State of Iowa	52	55	53	58	62	58	74	69	68	80	78	707

Deaths Due to Suicide

Iowa recorded 336 suicides in 1990, a number exceeded only by those in 1984, 1986, and 1987 (Table 3, Figure 1). Polk (49) and Linn (24) were the only counties with at least 20 suicides in 1990. A large majority (83) of the counties had five or fewer; of these, 12 had no suicides in 1990.

A total of 3,670 Iowans committed suicide from 1980 to 1990. More than 100 occurred to residents of Black Hawk (159), Linn (239), Polk (484), Pottawattamie (126), Scott (250), and Woodbury (124) counties. Adams (5) had the lowest total for the 11 years.

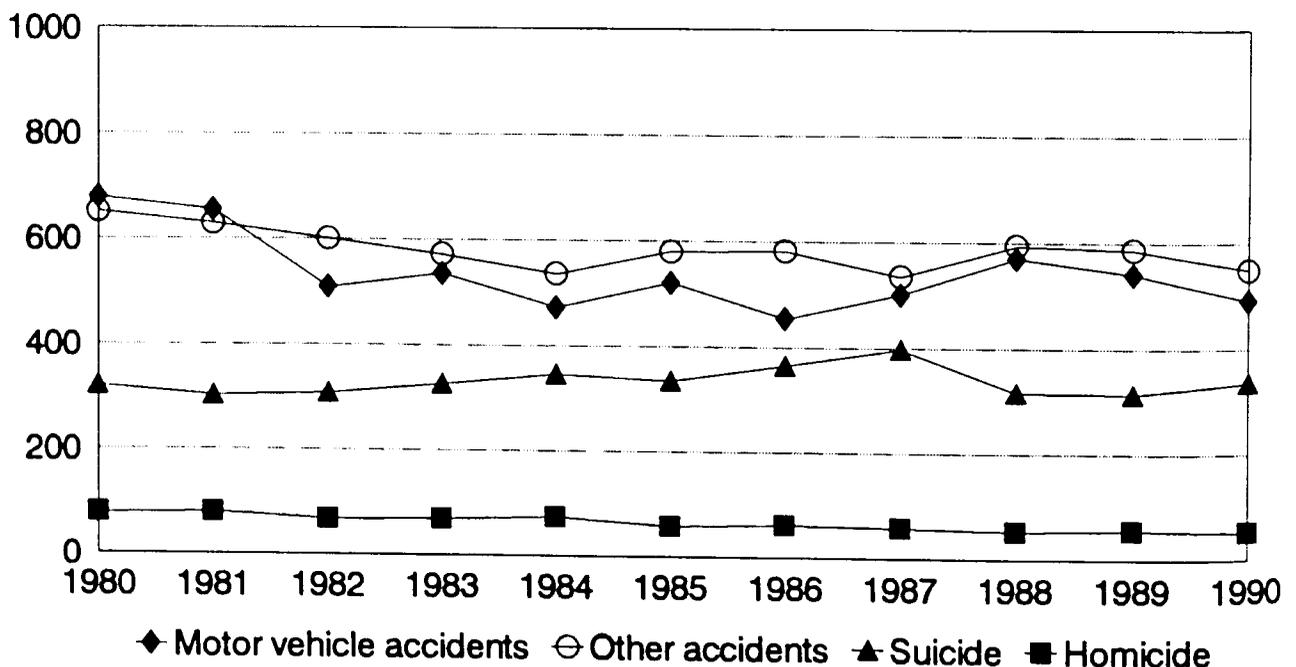
Deaths Due to Homicide

There were 52 homicides in Iowa in 1990; the highest number during the decade was 80 in 1981 (Table 4, Figure 1). Over three-fourths (76) of Iowa's counties had no homicide in 1990 and another 15 counties had only one. Polk (18) had the most with Black Hawk (6) second.

From 1980 through 1990, 707 Iowans died by homicide. Of these, 181 were Polk county residents and 61 were from Scott. Nineteen counties had no homicides from 1980 to 1990, while 34 counties had one or two residents who died in this manner. Thirty-nine counties had from 3 to 16 homicides, and the remaining five counties had from 22 to 42 in the 1980-1990 period.

Note: See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319). The most recent volume is for 1990.

Figure 1. Deaths due to selected causes in Iowa, 1980-1990.



Marriages and Dissolutions in Iowa's Counties:

1980-1991

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

Marriages

Iowa recorded 23,533 marriages in 1991, 1,398 fewer than in 1990 (Figure 1). This was the eighth time since 1980 that there had been a decrease in marriages over the previous year (Table 1). 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 1991, Polk's 3,001 marriages constituted the highest number in any county. Linn and Scott also had more than 1,000 marriages that year. Six counties (Black Hawk, Chickasaw, Dubuque, Johnson, Pottawattamie, Woodbury) recorded 500 to 999 marriages, 15 were between 200 and 499, and 37 counties had 100 to 199 marriages. Thirty-eight counties had fewer than 100 marriages in 1991; the lowest numbers were in Adams (24) and Ringgold (39).

Seventy of the counties followed the state trend with fewer marriages in 1991 than in 1990. The greatest declines occurred in Black Hawk, Polk, and Pottawattamie, the only three down more than 100 marriages. Scott was the only county increasing by at least 35 marriages between 1990 and 1991.

About 3,600 fewer marriages occurred in Iowa in 1991 than in 1981. All counties except Appanoose, Clarke, Dickinson, Howard, and Union mirrored this trend. Five counties (Black Hawk, Chickasaw, Polk, Pottawattamie, Woodbury) had at least 100 fewer marriages in 1991 than in 1981. Another 15 counties had from 50 to 99 fewer marriages in 1991 than in 1981, 44 were lower by 20 to 49, and the declines in 30 counties were less than 20 marriages.

Dissolutions

There were 10,939 dissolutions in Iowa in 1991, 26 more than in 1990. Between 1980 and 1991 there were six times when dissolutions increased compared with the previous year and five 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 decline followed the year (1981) in which the number of dissolutions was the highest ever recorded in Iowa.

Table 1. Marriages in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	150	158	155	159	142	139	144	170	184	198	156	144
Johnson	685	770	774	721	668	677	697	734	746	727	706	731
Jones	145	155	146	157	137	163	159	138	169	162	187	169
Keokuk	84	101	77	76	91	66	99	111	118	90	107	122
Kossuth	119	154	145	143	138	134	152	160	188	212	179	182
Lee	365	396	487	437	373	372	412	446	423	407	399	442
Linn	1493	1525	1519	1505	1386	1365	1453	1507	1436	1532	1588	1562
Louisa	76	69	92	96	85	93	91	101	89	97	107	74
Lucas	64	70	64	83	59	77	72	89	98	97	68	95
Lyon	71	77	78	78	81	91	90	101	102	120	117	116
Madison	82	97	101	91	87	79	66	104	108	103	96	100
Mahaska	195	189	201	194	183	167	179	202	212	214	213	201
Marion	251	326	258	242	249	259	246	272	266	279	283	296
Marshall	339	341	346	349	298	302	339	365	360	402	371	378
Mills	92	105	98	98	69	81	82	107	134	135	115	101
Mitchell	75	93	80	77	61	80	93	111	103	99	127	101
Monona	86	83	85	82	72	75	72	87	94	116	89	127
Monroe	68	73	61	65	61	67	77	76	81	77	85	83
Montgomery	113	99	97	106	90	84	103	101	141	111	117	105
Muscatine	402	421	429	373	340	415	383	375	412	444	454	398
O'Brien	97	120	124	113	88	107	119	112	122	139	149	139
Osceola	55	58	66	57	53	42	47	51	59	73	64	58
Page	111	144	107	136	136	136	137	163	148	170	136	154
Palo Alto	94	87	73	78	87	92	97	96	105	108	115	131
Plymouth	188	169	170	179	162	154	172	183	233	239	228	197
Pocahontas	56	57	70	76	82	51	84	95	96	93	79	94
Polk	3001	3217	3187	3108	2966	2928	2987	3130	3133	3114	3150	3118
Pottawattamie	819	938	894	877	877	901	961	1085	1192	1052	998	978
Poweshiek	143	154	143	121	111	137	141	152	141	146	148	169
Ringgold	39	39	36	44	29	37	44	58	51	57	49	60
Sac	93	94	101	82	89	76	110	109	97	96	117	118
Scott	1484	1394	1726	1910	1333	1427	1505	1483	1484	1483	1523	1614
Shelby	111	120	125	100	118	105	115	136	146	157	153	146
Sloan	222	221	208	223	225	225	266	245	214	250	247	277
Story	468	490	513	511	491	475	527	530	538	573	566	589
Tama	122	143	144	125	121	125	131	134	174	138	142	139
Taylor	50	35	50	50	47	48	43	67	70	62	71	60
Union	123	113	121	98	99	108	101	101	112	120	121	164
Van Buren	53	56	57	53	35	46	55	49	62	52	73	87
Wapello	363	365	317	353	309	353	369	392	365	424	409	396
Warren	292	333	304	273	260	276	288	284	315	316	311	329
Washington	153	137	140	146	132	145	135	176	187	165	181	162
Wayne	47	51	56	57	63	50	43	75	60	64	57	73
Webster	320	354	343	372	338	371	365	411	417	442	405	407
Winebag	99	87	74	90	95	90	100	114	116	116	106	113
Winnebago	130	180	158	147	171	160	151	184	170	188	204	185
Woodbury	714	760	752	738	674	705	802	844	812	758	843	883
Worth	48	66	63	48	63	62	54	74	75	71	69	57
Wright	97	81	104	82	88	99	112	125	149	148	139	152
State of Iowa	23533	24931	25267	25090	23062	23311	24378	26366	26769	27189	27153	27474

Table 2. Dissolutions in Iowa Counties, 1980-1991.

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

Table 2. Dissolutions in Iowa Counties, 1980-1991 (continued).

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

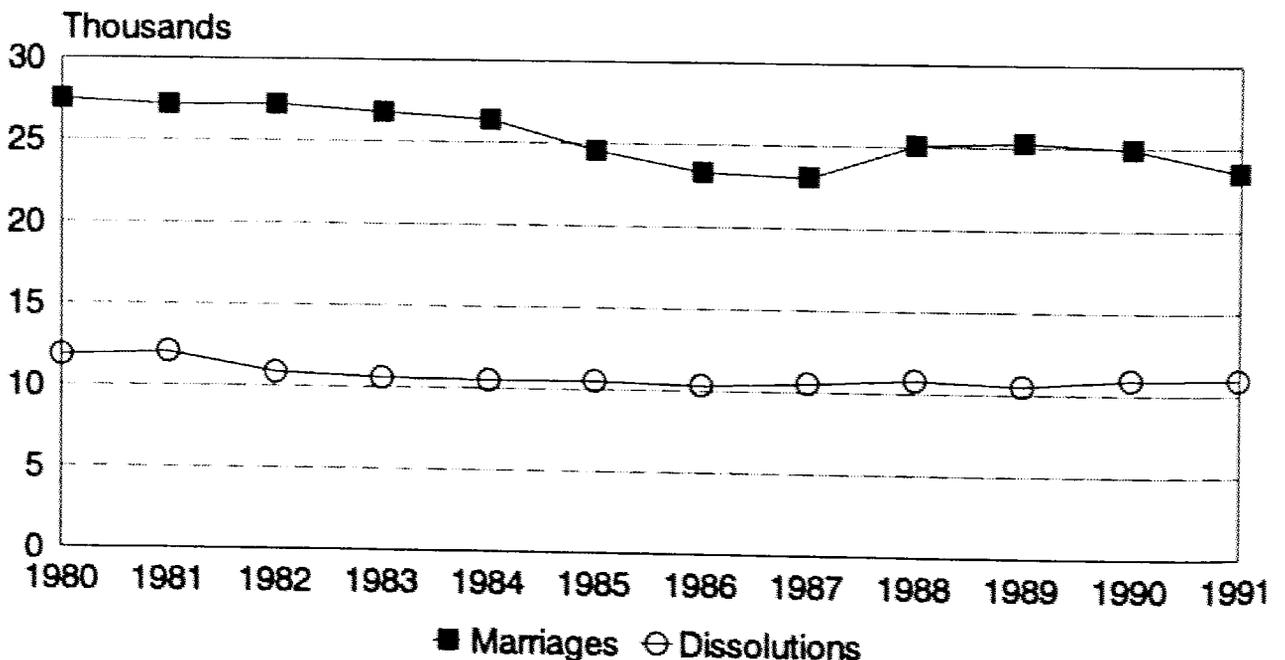
Dissolutions were highest in 1991 in Polk, the only county with more than 1,000. Other counties with at least 400 dissolutions that year were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury. Seventeen counties had between 100 and 399 dissolutions, 28 recorded 50 to 99, and 48 counties had fewer than 50. Fewer than 20 dissolutions occurred in Adams, Audubon, Lyon, Osceola, and Ringgold counties.

Between 1990 and 1991, the number of dissolutions remained the same in four counties, decreased in 50, and increased in 45. In 19 counties, increases were greater than 10, although a gain greater than 50 occurred only in Polk. Among the counties with fewer dissolutions in 1991 than in 1990, 43 declined by less than 20. The largest drops occurred in Lee and Scott, the only counties where the number of dissolutions declined by at least 30.

Across the state, there were 1,132 fewer dissolutions in 1991 than in 1981. More than half (59) the counties followed that trend. Thirty-six counties had more dissolutions at the end of the period than at the beginning, while four had the same number both years. Two counties (Black Hawk, Scott) had at least 100 fewer dissolutions in 1991 than in 1981. Among counties that had more dissolutions at the end than the beginning of the period, most showed relatively low gains. Only Dubuque, Henry, Jefferson, Linn, Mahaska, and Sioux had at least 20 more dissolutions in 1991 than in 1981.

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, 1980-1991.



Per Capita Income in Iowa's Counties:

1970-1990

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Per capita income, a measure of average income per person, was \$17,301 for Iowa in 1990. It increased for Iowa every year from 1970 through 1990, although the gains were small from 1981 through 1983 (Table 1, Figure 1). 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 Census Bureau 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 (Table 1). In 1990, Polk had the highest (\$20,139) and Decatur the lowest (\$12,331) per capita income, a difference of \$7,808. Starting with 1980, there was a difference of at least \$5,000 between the lowest and the highest county every year. Polk has had the highest per capita income since 1982, but Hamilton, Linn, Scott, and Wright were consistently high in recent years. Decatur had the lowest per capita income every year starting with 1974. Other counties among the lowest in recent years were Davis and Van Buren.

Between 1989 and 1990, per capita income increased in all but two (Greene, Pocahontas) of Iowa's counties. Per capita income declined in at least one county between all years except 1971 to 1972, 1972 to 1973, 1977 to 1978, 1980 to 1981, and 1988 to 1989. A majority of Iowa counties had decreases in per capita income from 1973 to 1974 (56) and from 1981 to 1982 (65), while nearly half had declines from 1982 to 1983 (49). These year-to-year variations reflect changes in the economy in Iowa and its counties.

From 1970 to 1990, Iowa's per capita income increased by \$13,497 (Table 3). Increases were under \$12,000 in 17 counties, with Decatur's gain of \$9,332 the only one less than \$10,000. Five counties (Hamilton, Mitchell, Polk, Scott, Worth) had increases in per capita income of at least \$15,000, with Polk (+\$15,720) up the most. During the period, 20 counties increased every year, but the other 79 declined one or more times. Nine counties (Clayton, Crawford, Fremont, Greene, Harrison, Mitchell, Monona, Pocahontas, Sac) decreased in six or seven of the 20 comparisons of one year with the next.

In percentage terms, Iowa's per capita income increased nearly 355% between 1970 and 1990. Gains in Iowa's counties ranged from 270% in Emmet to 470% in Howard. Seven increased by at least 400%; five others had gains of less than 300%.

Per Capita Income Adjusted for Inflation

Rising prices of goods and services between 1970 and 1990 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 1990 dollars based on the consumer price index for each year. Per capita income adjusted for inflation was higher in 1990 than it was in 1970 for Iowa, but it did not

Table 1. Per Capita Income in Iowa Counties, 1970-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Adair	15930	15261	13290	12763	12493	10729	10151	8692	9062	9531	7565	8144	7921	6081	6321	5480	4981	5536	4059	3520	3361
Adams	16656	15118	13452	12953	12656	10717	10007	9249	9383	9653	7599	7952	7378	5914	6594	5464	4628	5643	3782	3390	3272
Allamakee	15283	14340	12619	11585	10915	10006	9717	8015	8544	8455	7290	7465	7030	6388	6268	5249	4580	4549	3494	3202	3154
Appanoose	14867	13978	12791	11507	10998	10234	9805	9329	8770	8768	7983	7588	6647	6053	5850	5237	4766	4433	3547	3229	2983
Audubon	15639	14761	13304	13036	12189	10968	10211	8516	9304	10080	8033	8165	7957	6088	5874	5717	5187	5568	4059	3575	3549
Benton	17111	15995	14089	13737	13319	12148	11582	10306	10197	10728	9175	9129	8534	6981	6339	6158	5548	5513	4359	3924	3815
Black Hawk	16632	15438	13944	13052	12261	11939	11661	11325	11287	11220	10211	9422	8326	7635	6578	6110	5504	4924	4300	3815	3608
Boone	15952	15694	13893	13470	13203	12551	11868	11230	11137	11092	9966	9322	8567	6636	6560	6448	5877	5509	4257	3803	3711
Bremer	16667	15436	13636	12995	12397	11904	11262	10071	10050	10100	9112	8710	7912	7101	6123	5706	5305	5107	4165	3907	3614
Buchanan	15529	14236	12611	11924	11147	10290	10131	8572	9191	9609	8049	8027	7316	6335	5629	5612	5117	4759	3720	3264	3175
Buena Vista	16095	16084	14471	13834	13594	12844	11435	10521	10650	11357	9658	9362	8653	7542	5813	6365	5980	6016	4558	4194	4131
Butler	15617	14301	12707	12200	12000	11446	11054	9435	9583	10082	8738	8536	8081	6640	5856	5779	5075	5304	3907	3470	3331
Calhoun	15841	15459	14599	13550	13253	12752	11767	10512	10512	11494	10266	9892	8561	6668	5551	6110	6009	6209	4754	3753	3833
Carroll	16864	16363	14968	14065	13616	12949	12233	11150	11399	11955	10255	9814	8863	6844	5860	5891	5395	5654	4333	3539	3647
Cass	17445	16758	14715	13965	13254	12402	11626	10671	10649	10913	8965	9051	8314	7075	6717	5801	5377	5747	4528	3892	3763
Cedar	17727	16577	15069	13917	13462	12540	12106	10104	10763	11292	9339	9625	8961	7355	6654	6889	5665	5690	4355	3874	3873
Cerro Gordo	17348	15908	14971	13903	13231	12574	12314	11475	11062	10932	9609	9003	8298	7387	6668	6210	5579	5182	4536	4104	3947
Cherokee	15671	14662	13918	12579	12343	11434	10679	9593	10134	10627	8786	8667	8113	6735	5625	6246	5852	6014	4292	3704	3581
Chickasaw	16526	15314	13489	12846	12400	11667	10979	9276	9463	10022	8702	8729	8041	7051	5704	5572	5268	5418	4186	3410	3343
Clarke	15671	15058	13308	12242	11704	10988	9707	9409	8854	8801	8038	7369	6835	6141	5544	5064	4579	4872	3872	3585	3463
Clay	16926	15889	14417	13486	12965	12006	10830	10254	10468	10956	9881	9447	8622	8100	6806	6494	5781	5892	4445	4007	3812
Clayton	15167	14194	12273	11738	11141	9990	10004	7628	8505	8590	7023	7478	6972	5870	5306	4976	4509	4560	3626	3240	3255
Clinton	16345	15597	14196	13010	12534	11793	11544	10393	10605	10815	9577	8928	7949	6929	6194	5799	5224	4911	4314	3950	3931
Crawford	14564	13904	13207	11617	11696	10357	10128	8932	9441	10334	7849	7948	7559	5972	5099	5360	4868	5128	3976	3442	3466
Dallas	17718	16798	15533	14202	13561	12668	12242	11428	11290	11285	9874	9584	8410	7405	7001	6619	6172	5907	4864	4303	4178
Davis	13935	12662	11542	11083	10636	10061	9521	8754	8533	8352	7397	7235	6360	5192	5268	4959	4453	4862	4064	3492	3350
Decatur	12331	11697	10128	9723	9414	8892	8099	7624	7217	7237	6203	6121	6088	4812	4780	4306	4048	4154	3484	3135	2999
Delaware	15693	13806	12469	12182	11526	10155	10149	7871	8743	9021	7351	8089	7626	6187	5441	5777	4837	4591	3661	3190	3080
Des Moines	17100	15866	14786	13747	13369	12798	12262	11276	11077	10882	9889	9398	8372	7578	6854	6306	5787	5358	4736	4334	4164
Dickinson	18815	17661	15817	14309	13571	12605	12470	11003	10864	10845	9496	9273	8700	7536	6447	6290	5869	6149	4590	4001	3887
Dubuque	16323	15360	14074	12715	11873	11473	11119	10177	9982	10000	9066	8666	7915	7044	6105	5633	5199	4669	4137	3806	3608
Emmet	14590	13744	12946	12800	12595	12105	11022	10319	10153	11218	10154	8800	8310	7198	6075	6151	5918	5855	4299	4077	3942
Fayette	14918	13764	12204	11911	11377	10588	10202	8614	8694	8998	7741	8152	7330	6202	5459	5166	4803	4629	3623	3250	3241
Floyd	16424	14664	13357	12517	12177	11277	11128	9852	9881	9873	9041	8793	7978	7306	6270	6005	5550	5433	3841	3305	3527
Franklin	16203	15129	13558	13144	13200	11896	11401	9714	10041	10940	9034	8911	8533	6718	6331	7065	6423	6186	4326	3688	3932
Fremont	17450	16992	15862	14332	14508	13902	11865	12397	10801	11336	10038	9316	8530	6694	6990	5967	5351	6540	4699	4251	4321

Table 1. Per Capita Income in Iowa Counties, 1970-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Greene	17085	17154	14881	14593	14568	13129	12062	11023	11258	11808	10469	10167	9443	6112	6703	7023	6724	7196	5235	4220	4356
Grundy	17985	16583	15127	14822	14388	13703	12940	11675	11773	12378	10682	10314	9246	8113	7039	7036	6755	6360	4611	3957	3909
Guthrie	15739	15258	13498	13203	12712	11725	10845	9327	9719	10029	8123	8239	7588	5881	5732	5384	4989	5192	3836	3398	3348
Hamilton	19576	18613	16443	15683	15403	14267	12951	12029	11990	12415	10640	10160	9167	7603	6829	7061	6335	6665	5082	4413	4073
Hancock	16106	15090	13888	13075	12981	12393	12068	11010	10918	11491	9392	9334	8720	7696	6552	6914	6282	6154	4460	3736	3795
Hardin	17510	16275	14707	14262	14223	12973	12094	10683	11009	11354	9914	9365	8658	7130	6691	6405	6007	5945	4420	3916	4138
Harrison	15233	14260	13134	11695	11545	11690	10470	9467	9503	10010	8005	8107	7493	5956	5371	5504	4692	5234	3936	3570	3421
Henry	17689	15992	14853	13902	13377	12770	11788	10684	10579	10282	8934	8767	8023	7126	6716	6272	5364	5169	4257	3831	3668
Howard	16840	15553	13669	12971	12907	11147	11320	9178	8905	9485	7897	8308	7556	6610	5361	4976	4508	5232	3707	3108	2954
Humboldt	17478	17090	14380	13386	13040	12054	11516	10623	10981	11548	9329	9173	8891	7232	6363	6971	6409	6117	4047	3637	3677
Ida	15590	15155	14790	13642	13146	12177	11695	8937	9810	10521	7728	8662	8565	6570	4990	5824	5801	6046	4545	3986	3960
Iowa	17409	15823	14824	14156	13449	12548	12430	9874	10321	10353	8743	8856	8326	7010	6363	5816	5078	5305	4408	4112	4153
Jackson	15843	14625	12930	11729	10899	10397	10238	8856	9123	9302	8036	7850	7409	6330	5788	5298	4765	4834	3880	3520	3405
Jasper	18191	17480	15768	14711	13895	13582	12985	11739	11209	11260	9799	9270	8535	7187	6781	6231	5767	5619	4770	4025	4008
Jefferson	15986	15214	13830	12981	12341	11115	10571	9317	8728	9262	7989	8061	7231	6353	6098	5752	5604	4923	3949	3617	3576
Johnson	18057	17278	15645	15501	14770	13738	13080	12015	11537	10898	9711	8817	8114	7144	6247	5740	4992	4611	4063	3738	3488
Jones	14752	13759	12199	11797	11387	10473	10013	8143	8791	9085	7739	7906	7430	6186	5532	5483	5041	4839	3883	3590	3538
Keokuk	16297	14992	13969	14078	13342	12059	11648	10636	10286	10173	8443	8563	8088	6728	6038	6067	5077	5646	4318	3785	3637
Kossuth	16182	15569	14027	13280	13061	12200	11534	9424	10290	10938	9300	8803	8462	7075	6006	6876	6479	6560	4342	3648	3556
Lee	15825	14755	13562	12640	12487	12204	11659	10760	10479	10404	9275	8838	8031	6941	6419	5870	5293	4908	4171	3811	3642
Linn	19148	18215	16693	15243	14432	13689	12906	12258	11997	11564	10630	9963	8792	7868	7116	6427	5878	5318	4694	4391	4216
Louis	16640	15432	13983	12873	13021	12162	11655	9554	10355	10538	9140	8105	7267	6533	6072	6108	5281	5359	4103	3812	3709
Lucas	15998	15108	13814	12626	12301	11477	10820	10123	9736	9747	8769	8073	7660	6213	6291	5499	4834	4982	4205	3751	3652
Lyon	15675	15154	12823	12507	12472	11549	11148	9345	9980	10155	7856	8796	7859	6217	4834	5243	4955	6119	4204	3615	3463
Madison	16791	15799	14355	13134	12801	11870	11069	9959	9767	9784	8858	8311	7862	6727	6669	5967	5120	5523	4285	3982	3839
Mahaska	15579	14602	13354	12768	12424	11607	10874	9872	10140	10293	8721	8638	8133	6747	6278	5889	5302	5235	4279	3654	3462
Marion	17497	16679	15680	14766	13817	13203	12377	11720	11081	10843	9563	9254	8378	6968	6714	6396	5757	5377	4477	3966	3800
Marshall	18107	17074	15090	14305	13753	13156	12508	11878	11533	11432	10377	9588	8834	7682	7425	6806	6210	5836	4867	4646	4429
Mills	16233	15199	14693	13754	13367	12687	11425	10635	10350	10116	9049	8555	8382	6960	6887	6440	5654	6057	4554	4213	4193
Mitchell	18440	16759	14016	13374	13092	11978	11481	9837	9920	10121	8254	8444	8069	6979	5467	5841	4987	5745	4161	3395	3433
Monona	15342	14929	14237	12859	12803	12234	11231	9787	10620	11264	7842	7762	7825	6528	4975	6120	5364	6445	4377	3707	3731
Monroe	15841	14802	13448	12121	11543	10940	10387	9465	9226	9114	8226	7453	6878	5980	5820	5197	4621	4690	3868	3387	3169
Montgomery	16817	16081	14439	13858	13570	12681	11658	11007	10883	10909	9370	9779	8346	7037	6764	5964	5586	5788	4297	3971	3934
Muscatine	18750	17740	16073	14831	14162	13761	13221	12027	11820	11546	10223	9311	8453	7545	7007	6396	5592	5188	4423	4142	4043
O'Brien	15789	15177	14057	13574	13489	12668	12132	10886	10933	10965	9205	9190	8825	7421	6390	6494	6028	6142	4470	3728	3459
Osceola	16331	15486	13798	12290	11808	10799	10185	9039	9274	10628	8985	8974	8691	7317	5714	6494	5473	6905	4684	3886	3696

Table 1. Per Capita Income in Iowa Counties, 1970-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Page	16349	15458	13391	12655	12544	11439	10530	10085	9836	9825	8635	8724	7768	6759	6577	5869	5124	5476	4279	3957	3726
Palo Alto	16620	15349	14398	13733	13802	12800	10892	9874	10300	11109	9764	8587	8357	6948	5736	6173	5831	6282	4184	3768	3695
Plymouth	16689	15863	13885	13303	12454	11753	10839	9047	9765	9964	7746	8473	8177	6561	5586	5793	5208	5762	4205	3523	3362
Pocahontas	15932	16261	14288	13712	13837	13076	11310	10322	11224	12248	9611	8853	8902	7328	5527	6602	6478	6903	4349	3810	3735
Polk	20139	19152	18026	16488	15635	14980	14337	13520	12988	12334	11334	10513	9330	8430	7526	6839	6205	5641	5116	4686	4419
Pottawattamie	16645	15496	14621	12953	12668	12107	11442	10658	10349	10080	9125	8484	7943	6868	6247	5519	5180	4923	4174	3828	3729
Poweshiek	17677	16769	15472	14705	13915	12469	12155	10688	10679	10580	9006	8939	8272	6915	6619	6100	5617	5650	4479	3942	3762
Ringgold	14217	13240	12242	12732	11773	10394	9021	8540	8541	8819	7729	7442	7273	5616	6154	5459	4610	5747	4114	3512	3463
Sac	15930	15105	14523	13202	13740	12344	11505	10073	10758	11914	9148	9834	8951	7031	5883	6374	6274	6368	4575	3751	3797
Scott	19197	17853	16338	14963	14264	13746	13241	12230	12126	11888	10703	9816	8702	7827	7034	6447	6004	5449	4703	4310	4114
Shelby	16241	15583	14649	13098	12756	11932	10976	9267	10014	10366	8010	8960	8510	6160	5630	5450	5146	5585	4194	3522	3556
Sioux	15822	15008	12329	11476	10979	10493	10078	8756	9292	10113	8469	8743	8271	6467	5654	5227	5269	5449	4223	3555	3506
Story	15862	15175	13639	13443	12667	12043	11303	10524	10174	9640	8748	8030	7258	6242	5693	5204	4742	4527	3847	3542	3343
Tama	16049	15018	13876	13127	12751	12045	11403	10056	10546	10991	9094	8552	8023	7047	6537	6370	5526	5624	4269	3800	3674
Taylor	14518	13495	11745	12052	11699	11105	9402	8731	8704	8705	7554	7840	6950	6010	6006	5215	4367	5024	3712	3098	3175
Union	15585	14780	13553	12463	12295	11620	10927	10239	10131	9526	8470	7846	7010	6100	5954	5269	4699	4910	3949	3477	3282
Van Buren	13835	12943	11857	11170	10725	9971	9026	7801	8006	7973	7159	7399	6936	5983	5660	5321	4544	4507	3633	3286	3058
Wapello	15143	14125	12783	11864	11240	11155	10871	10307	10097	9722	9085	8267	7324	6586	5925	5393	4839	4480	4222	3834	3570
Warren	16912	15603	14100	13126	12579	12079	11440	10545	10277	9915	9235	8766	7985	6824	6401	5842	5192	4984	4345	3912	3640
Washington	16729	15237	13853	13614	13461	13013	13266	11441	11708	11553	9713	9699	8860	7313	6760	6844	5481	5650	4547	4183	3938
Wayne	14455	13913	12319	12351	11936	10886	10235	9645	8842	9116	7974	7758	7128	5360	5595	5157	4344	4774	3902	3270	3181
Webster	16444	15798	14035	13267	12991	12099	11453	10536	10902	10973	10065	9337	8329	7139	6485	6137	5775	5325	4283	3982	3709
Winnebago	18054	16960	16335	14742	14407	13251	12957	11103	10419	10301	8771	8834	8543	7930	6920	6743	5581	6303	4816	3985	3730
Winneshek	15909	14589	12523	11648	11053	9914	9673	7782	8101	8119	6741	6741	6577	5694	5041	4639	4224	4074	3192	3023	2971
Woodbury	16804	15930	14642	13925	13004	12418	11881	11318	10999	10782	9532	8933	8290	7497	6738	6200	5566	5284	4517	4077	3869
Worth	18481	16941	14740	13503	12954	12001	11643	9684	9484	9967	7906	8276	8303	7097	6071	6561	5644	6241	4385	3482	3388
Wright	18590	18362	16249	15112	15023	14209	13771	11980	11841	11892	10335	9994	9277	8035	6892	7250	6734	6398	4744	4055	3906
State of Iowa	17301	16307	14869	13868	13287	12569	11969	10943	10857	10812	9537	9091	8289	7189	6468	6097	5540	5349	4394	3951	3804
Counties:																					
Range: Low	12331	11697	10128	9723	9414	8892	8099	7624	7217	7237	6203	6121	6088	4812	4780	4306	4048	4074	3192	3023	2954
High	20139	19152	18026	16488	15635	14980	14337	13520	12988	12415	11334	10513	9443	8430	7526	7250	6755	7196	5235	4686	4429
Number Dec.	2	0	4	6	1	3	1	49	65	0	31	3	0	8	30	1	56	0	0	17	

Table 2. Adjusted Per Capita Income (1990 Dollars) in Iowa Counties, 1970-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Adair	15930	16201	14750	14772	15106	13068	12801	11347	12229	13349	11514	13945	15381	12856	14269	12986	12610	15727	12567	11246	11129
Adams	16656	16049	14930	14992	15304	13054	12619	12074	12663	13520	11566	13616	14326	12503	14885	12948	11716	16031	11709	10831	10834
Allamakee	15283	15223	14006	13409	13198	12188	12253	10463	11530	11842	11096	12783	13650	13505	14149	12438	11595	12923	10817	10230	10444
Appanoose	14867	14839	14196	13318	13299	12465	12364	12179	11835	12280	12151	12993	12907	12797	13205	12410	12066	12594	10981	10316	9877
Audubon	15639	15670	14766	15088	14739	13359	12876	11117	12556	14118	12227	13981	15450	12871	13260	13547	13132	15818	12567	11422	11752
Benton	17111	16980	15637	15899	16105	14797	14605	13454	13761	15025	13965	15632	16571	14759	14309	14592	14046	15662	13495	12537	12632
Black Hawk	16632	16389	15476	15106	14826	14542	14705	14785	15232	15714	15542	16134	16167	16142	14849	14479	13934	13989	13313	12188	11947
Boone	15952	16660	15420	15590	15965	15287	14966	14661	15030	15535	15169	15962	16635	14030	14808	15280	14878	15651	13180	12150	12288
Bremer	16667	16386	15134	15041	14990	14499	14202	13148	13563	14146	13869	14914	15363	15013	13822	13521	13430	14509	12895	12482	11967
Buchanan	15529	15113	13997	13801	13479	12533	12776	11191	12404	13458	12251	13745	14206	13393	12707	13299	12954	13520	11517	10428	10513
Buena Vista	16095	17074	16061	16012	16438	15644	14420	13735	14372	15906	14700	16031	16802	15945	13122	15083	15139	17091	14111	13399	13679
Butler	15617	15182	14103	14120	14510	13942	13939	12317	12933	14120	13300	14616	15691	14038	13219	13694	12848	15068	12096	11086	11030
Calhoun	15841	16411	16203	15683	16025	15532	14839	13723	14186	16098	15626	16938	16623	14097	12530	14479	15213	17639	14718	11990	12692
Carroll	16864	17370	16613	16279	16464	15772	15426	14556	15383	16744	15609	16805	17210	14469	13228	13960	13658	16063	13415	11307	12076
Cass	17445	17790	16332	16163	16027	15106	14661	13931	14371	15284	13645	15498	16144	14958	15163	13746	13613	16327	14019	12435	12460
Cedar	17727	17598	16725	16108	16278	15274	15266	13191	14525	15815	14215	16481	17400	15550	15020	16325	14342	16165	13483	12377	12825
Cerro Gordo	17348	16887	16616	16091	15999	15315	15528	14980	14928	15311	14626	15416	16113	15617	15052	14716	14124	14722	14043	13112	13070
Cherokee	15671	15565	15447	14559	14925	13927	13467	12523	13676	14884	13373	14841	15753	14239	12698	14801	14815	17085	13288	11834	11858
Chickasaw	16526	16257	14971	14868	14994	14211	13845	12110	12771	14036	13245	14947	15614	14907	12876	13204	13337	15392	12960	10895	11070
Clarke	15671	15985	14770	14169	14152	13384	12241	12283	11949	12326	12234	12618	13272	12983	12515	12000	11592	13841	11988	11454	11467
Clay	16926	16867	16001	15609	15677	14624	13657	13386	14127	15345	15040	16176	16742	17125	15363	15389	14635	16739	13762	12802	12623
Clayton	15167	15068	13622	13586	13472	12168	12615	9958	11478	12031	10689	12805	13538	12410	11977	11791	11415	12955	11226	10351	10778
Clinton	16345	16557	15756	15058	15156	14364	14557	13568	14312	15147	14577	15288	15435	14649	13982	13742	13225	13952	13356	12620	13017
Crawford	14564	14760	14658	13446	14143	12615	12772	11661	12741	14473	11947	13610	14678	12626	11510	12701	12324	14568	12310	10997	11477
Dallas	17718	17832	17240	16438	16398	15430	15438	14919	15236	15805	15029	16411	16330	15655	15804	15685	15625	16781	15059	13748	13834
Davis	13935	13442	12810	12828	12861	12255	12006	11428	11516	11697	11259	12389	12350	10977	11892	11751	11273	13813	12582	11157	11093
Decatur	12331	12417	11241	11253	11383	10831	10213	9953	9740	10136	9441	10481	11821	10173	10790	10204	10248	11801	10786	10016	9930
Delaware	15693	14656	13839	14100	13937	12369	12798	10275	11799	12634	11189	13851	14808	13080	12282	13690	12246	13043	11334	10192	10199
Des Moines	17100	16843	16411	15911	16166	15588	15463	14721	14949	15241	15052	16092	16256	16021	15472	14943	14651	15222	14663	13847	13788
Dickinson	18815	18748	17555	16561	16410	15353	15725	14364	14661	15189	14454	15878	16893	15932	14553	14905	14858	17469	14211	12783	12871
Dubuque	16323	16306	15620	14716	14357	13974	14021	13286	13471	14006	13799	14839	15369	14892	13781	13348	13162	13264	12808	12160	11947
Emmet	14590	14590	14368	14815	15230	14744	13899	13471	13702	15711	15455	15068	16136	15218	13713	14576	14982	16634	13310	13026	13053
Fayette	14918	14611	13545	13786	13757	12896	12865	11245	11733	12602	11782	13959	14233	13112	12323	12242	12159	13151	11217	10383	10732
Floyd	16424	15567	14825	14487	14724	13736	14033	12862	13335	13828	13761	15057	15491	15446	14153	14230	14051	15435	11892	10559	11679
Franklin	16203	16061	15048	15213	15961	14490	14377	12681	13551	15322	13750	15259	16569	14203	14291	16742	16261	17574	13393	11783	13020
Fremont	17450	18038	17605	16588	17543	16933	14962	16184	14576	15877	15279	15952	16563	14152	15779	14140	13547	18580	14548	13581	14308

Table 2. Adjusted Per Capita Income (1990 Dollars) in Iowa Counties, 1970-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Greene	17085	18210	16516	16890	17615	15991	15211	14390	15193	16538	15935	17409	18336	12922	15131	16642	17023	20443	16207	13482	14424
Grundy	17985	17604	16789	17155	17398	16691	16318	15242	15888	17336	16259	17661	17953	17152	15889	16673	17101	18068	14276	12642	12944
Guthrie	15739	16197	14981	15281	15371	14281	13676	12176	13116	14046	12364	14108	14734	12433	12939	12758	12630	14750	11876	10856	11086
Hamilton	19576	19759	18250	18152	18625	17378	16332	15704	16181	17388	16195	17397	17800	16074	15415	16732	16038	18935	15734	14099	13487
Hancock	16106	16019	15414	15133	15696	15095	15218	14373	14734	16094	14295	15983	16932	16271	14790	16384	15904	17483	13808	11936	12566
Hardin	17510	17277	16323	16507	17198	15801	15251	13946	14857	15902	15090	16036	16812	15074	15104	15178	15208	16889	13684	12511	13702
Harrison	15233	15138	14577	13536	13960	14239	13203	12359	12825	14020	12184	13882	14550	12592	12124	13043	11878	14869	12186	11406	11328
Henry	17689	16977	16485	16090	16175	15554	14865	13948	14277	14401	13598	15012	15579	15066	15160	14863	13580	14685	13180	12240	12146
Howard	16840	16511	15171	15013	15607	13577	14275	11982	12018	13284	12020	14226	14672	13975	12102	11791	11413	14864	11477	9930	9781
Humboldt	17478	18142	15960	15493	15768	14682	14522	13868	14819	16174	14199	15707	17264	15290	14363	16519	16225	17378	12529	11620	12175
Ida	15590	16088	16415	15789	15896	14832	14748	11667	13239	14735	11763	14832	16631	13890	11264	13801	14686	17176	14071	12735	13113
Iowa	17409	16797	16453	16384	16262	15284	15675	12890	13928	14500	13307	15164	16167	14820	14363	13782	12856	15071	13647	13137	13752
Jackson	15843	15525	14351	13575	13179	12664	12910	11561	12312	13028	12231	13442	14386	13383	13065	12555	12063	13733	12012	11246	11275
Jasper	18191	18556	17501	17027	16802	16543	16375	15325	15127	15770	14915	15873	16573	15195	15307	14765	14600	15963	14768	12859	13272
Jefferson	15986	16151	15350	15024	14923	13538	13330	12163	11779	12972	12160	13803	14041	13431	13765	13630	14187	13986	12226	11556	11841
Johnson	18057	18342	17364	17941	17860	16733	16494	15685	15570	15263	14781	15098	15755	15104	14102	13602	12638	13099	12579	11942	11550
Jones	14752	14606	13539	13654	13769	12756	12627	10631	11864	12724	11779	13538	14427	13078	12488	12993	12762	13747	12022	11470	11715
Keokuk	16297	15915	15504	16294	16133	14688	14689	13885	13881	14248	12851	14663	15705	14224	13630	14377	12853	16040	13368	12093	12043
Kossuth	16182	16528	15568	15370	15793	14860	14545	12303	13887	15319	14155	15074	16431	14958	13558	16294	16403	18636	13443	11655	11775
Lee	15825	15663	15052	14630	15099	14865	14702	14047	14142	14571	14117	15134	15594	14674	14490	13910	13400	13943	12913	12176	12060
Linn	19148	19337	18527	17642	17451	16674	16275	16003	16190	16196	16180	17060	17072	16634	16063	15230	14881	15108	14533	14029	13960
Louisa	16640	16382	15519	14899	15745	14814	14697	12473	13974	14759	13912	13878	14111	13812	13707	14474	13370	15224	12703	12179	12281
Lucas	15998	16038	15332	14613	14874	13979	13644	13215	13139	13651	13347	13824	14874	13135	14201	13031	12238	14153	13019	11984	12093
Lyon	15675	16087	14232	14476	15081	14067	14058	12200	13468	14223	11957	15062	15260	13144	10912	12424	12544	17384	13015	11550	11467
Madison	16791	16772	15932	15201	15479	14458	13958	13001	13181	13703	13482	14231	15266	14222	15054	14140	12962	15690	13266	12722	12712
Mahaska	15579	15501	14821	14778	15023	14138	13712	12888	13684	14416	13274	14791	15792	14264	14172	13955	13423	14872	13248	11674	11464
Marion	17497	17706	17403	17090	16707	16082	15608	15300	14954	15186	14556	15846	16268	14732	15156	15156	14575	15276	13861	12671	12583
Marshall	18107	18125	16748	16557	16630	16024	15773	15507	15564	16011	15795	16418	17153	16241	16761	16128	15722	16580	15068	14843	14666
Mills	16233	16135	16307	15919	16163	15453	14407	13884	13968	14168	13773	14649	16276	14715	15546	15261	14314	17207	14099	13460	13884
Mitchell	18440	17791	15556	15479	15831	14590	14478	12842	13387	14175	12563	14459	15668	14755	12341	13841	12625	16321	12882	10847	11368
Monona	15342	15848	15801	14883	15481	14901	14163	12777	14332	15776	11936	13291	15194	13801	11230	14502	13580	18310	13551	11843	12354
Monroe	15841	15713	14926	14029	13958	13325	13098	12356	12451	12765	12521	12762	13355	12643	13138	12315	11699	13324	11975	10821	10493
Montgomery	16817	17071	16026	16039	16409	15446	14701	14369	14687	15279	14262	16745	16206	14877	15269	14133	14142	16443	13303	12687	13026
Muscatine	18750	18832	17839	17166	17125	16761	16672	15701	15951	16171	15560	15943	16414	15951	15817	15156	14157	14739	13693	13233	13387
O'Brien	15789	16111	15602	15711	16311	15430	15299	14211	14754	15357	14011	15736	17136	15689	14424	15389	15261	17449	13839	11911	11454
Osceola	16331	16439	15314	14225	14278	13153	12844	11800	12516	14885	13676	15366	16876	15469	12898	15389	13856	19616	14502	12415	12238

Table 2. Adjusted Per Capita Income (1990 Dollars) in Iowa Counties, 1970-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Page	16349	16410	14862	14647	15168	13933	13279	13166	13274	13761	13143	14938	15083	14290	14847	13908	12972	15557	13248	12642	12338
Palo Alto	16620	16294	15980	15895	16689	15591	13735	12890	13900	15559	14861	14704	16227	14689	12948	14628	14762	17847	12954	12038	12235
Plymouth	16689	16840	15411	15397	15059	14315	13668	11811	13178	13955	11790	14509	15878	13871	12609	13727	13185	16369	13019	11256	11132
Pocahontas	15932	17262	15858	15870	16732	15927	14262	13475	15147	17154	14629	15159	17285	15493	12476	15645	16400	19611	13464	12173	12368
Polk	20139	20331	20007	19083	18906	18246	18079	17650	17528	17275	17251	18002	18117	17822	16989	16206	15709	16026	15839	14971	14632
Pottawattamie	16645	16450	16228	14992	15318	14747	14429	13914	13966	14118	13889	14527	15423	14520	14102	13078	13114	13986	12923	12230	12348
Poweshiek	17677	17801	17172	17020	16826	15188	15328	13953	14412	14818	13708	15307	16062	14619	14941	14455	14220	16051	13867	12594	12457
Ringgold	14217	14055	13587	14736	14236	12660	11376	11149	11526	12352	11764	12743	14122	11873	13892	12936	11671	16327	12737	11220	11467
Sac	15930	16035	16119	15280	16614	15035	14508	13150	14518	16686	13924	16839	17381	14865	13280	15104	15884	18091	14164	11984	12573
Scott	19197	18952	18133	17318	17248	16743	16697	15966	16364	16650	16291	16808	16897	16548	15878	15277	15200	15480	14560	13770	13623
Shelby	16241	16542	16259	15160	15424	14533	13841	12098	13514	14518	12192	15342	16524	13023	12709	12915	13028	15866	12985	11252	11775
Sioux	15822	15932	13684	13282	13276	12781	12709	11431	12540	14164	12890	14971	16060	13672	12763	12386	13339	15480	13074	11358	11609
Story	15862	16109	15138	15559	15317	14669	14253	13739	13730	13501	13315	13750	14093	13197	12851	12332	12005	12861	11910	11316	11070
Tama	16049	15943	15401	15193	15418	14671	14380	13128	14232	15394	13842	14644	15579	14899	14756	15095	13990	15977	13217	12141	12166
Taylor	14518	14326	13036	13949	14146	13526	11856	11398	11746	12192	11498	13425	13495	12706	13558	12358	11056	14273	11492	9898	10513
Union	15585	15690	15042	14425	14867	14153	13779	13367	13672	13342	12892	13435	13612	12896	13440	12486	11896	13949	12226	11109	10868
Van Buren	13835	13740	13160	12928	12969	12145	11382	10184	10804	11167	10896	12670	13468	12649	12777	12609	11504	12804	11248	10498	10126
Wapello	15143	14995	14188	13731	13591	13587	13709	13456	13626	13616	13828	14156	14221	13924	13375	12780	12251	12727	13071	12249	11821
Warren	16912	16564	15649	15192	15210	14713	14426	13766	13869	13887	14056	15010	15505	14427	14449	13844	13144	14159	13452	12498	12053
Washington	16729	16175	15375	15757	16277	15850	16729	14936	15800	16181	14784	16608	17204	15461	15260	16218	13876	16051	14077	13364	13040
Wayne	14455	14770	13673	14295	14433	13259	12907	12591	11933	12768	12137	13284	13841	11332	12630	12220	10997	13563	12080	10447	10533
Webster	16444	16771	15577	15355	15709	14737	14443	13755	14713	15368	15320	15988	16173	15093	14639	14543	14620	15128	13260	12722	12281
Winnebago	18054	18004	18130	17063	17421	16140	16339	14495	14061	14427	13350	15127	16588	16765	15621	15979	14129	17906	14910	12732	12351
Winneshek	15909	15487	13899	13481	13365	12076	12198	10159	10933	11371	10260	11543	12771	12038	11379	10993	10694	11574	9882	9658	9838
Woodbury	16804	16911	16251	16117	15724	15125	14982	14775	14843	15101	14508	15296	16097	15850	15210	14692	14091	15011	13985	13026	12811
Worth	18481	17984	16360	15628	15664	14618	14682	12642	12799	13959	12033	14171	16122	15004	13704	15547	14289	17730	13576	11125	11219
Wright	18590	19493	18034	17491	18166	17307	17366	15640	15980	16655	15731	17113	18014	16987	15558	17180	17048	18176	14687	12955	12934
State of Iowa	17301	17311	16503	16051	16067	15309	15093	14286	14652	15143	14516	15567	16095	15199	14600	14448	14025	15196	13604	12623	12596
Counties:																					
Range: Low	12331	12417	11241	11253	11383	10831	10213	9953	9740	10136	9441	10481	11821	10173	10790	10204	10248	11574	9882	9658	9781
High	20139	20331	20007	19083	18906	18246	18079	17650	17528	17388	17251	18002	18336	17822	16989	17180	17101	20443	16207	14971	14666
Number Dec.	46	4	71	64	1	24	3	84	94	2	96	94	2	33	45	21	98	1	0	57	

Table 3. Change in Per Capita Income and Adjusted Per Capita Income for Iowa Counties, 1970-1990.

County	Change in Per Capita Income, 1970-1990			Change in Adjusted Per Capita Income, 1970-1990		
	Dollars	Percent	Years Decreased	Dollars	Percent	Years Decreased
Adair	12569	374.0	5	4801	43.1	9
Adams	13384	409.0	5	5822	53.7	9
Allamakee	12129	384.6	2	4839	46.3	8
Appanoose	11884	398.4	0	4990	50.5	4
Audubon	12090	340.7	4	3887	33.1	10
Benton	13296	348.5	1	4479	35.5	9
Black Hawk	13024	361.0	0	4685	39.2	7
Boone	12241	329.9	0	3664	29.8	11
Bremer	13053	361.2	1	4700	39.3	5
Buchanan	12354	389.1	2	5016	47.7	8
Buena Vista	11964	289.6	4	2416	17.7	10
Butler	12286	368.8	3	4587	41.6	8
Calhoun	12008	313.3	4	3149	24.8	9
Carroll	13217	362.4	5	4788	39.6	9
Cass	13682	363.6	3	4985	40.0	8
Cedar	13854	357.7	5	4902	38.2	8
Cerro Gordo	13401	339.5	0	4278	32.7	5
Cherokee	12090	337.6	4	3813	32.2	9
Chickasaw	13183	394.3	4	5456	49.3	9
Clarke	12208	352.5	1	4204	36.7	7
Clay	13114	344.0	3	4303	34.1	8
Clayton	11912	366.0	6	4389	40.7	7
Clinton	12414	315.8	2	3328	25.6	9
Crawford	11098	320.2	7	3087	26.9	10
Dallas	13540	324.1	0	3884	28.1	8
Davis	10585	316.0	2	2842	25.6	7
Decatur	9332	311.2	2	2401	24.2	9
Delaware	12613	409.5	4	5494	53.9	9
Des Moines	12936	310.7	0	3312	24.0	6
Dickinson	14928	384.0	1	5944	46.2	8
Dubuque	12715	352.4	1	4376	36.6	6
Emmet	10648	270.1	2	1537	11.8	9
Fayette	11677	360.3	3	4186	39.0	7
Floyd	12897	365.7	2	4745	40.6	9
Franklin	12271	312.1	5	3183	24.4	10
Fremont	13129	303.8	6	3142	22.0	9
Greene	12729	292.2	7	2661	18.4	12
Grundy	14076	360.1	2	5041	38.9	10
Guthrie	12391	370.1	4	4653	42.0	10
Hamilton	15503	380.6	3	6089	45.1	8
Hancock	12311	324.4	3	3540	28.2	9
Hardin	13372	323.2	3	3808	27.8	11
Harrison	11812	345.3	6	3905	34.5	8
Henry	14021	382.3	0	5543	45.6	7
Howard	13886	470.1	4	7059	72.2	7
Humboldt	13801	375.3	4	5303	43.6	9
Ide	11630	293.7	5	2477	18.9	11
Iowa	13256	319.2	5	3657	26.6	7
Jackson	12438	365.3	3	4568	40.5	7
Jasper	14183	353.9	1	4919	37.1	7

Table 3. Change in Per Capita Income and Adjusted Per Capita Income for Iowa Counties, 1970-1990 (continued).

County	Change in Per Capita Income, 1970-1990			Change in Adjusted Per Capita Income, 1970-1990		
	Dollars	Percent	Years Decreased	Dollars	Percent	Years Decreased
Jefferson	12410	347.0	2	4145	35.0	7
Johnson	14569	417.7	0	6507	56.3	5
Jones	11214	317.0	3	3037	25.9	9
Keokuk	12660	348.1	4	4254	35.3	7
Kossuth	12626	355.1	4	4407	37.4	10
Lee	12183	334.5	0	3765	31.2	6
Linn	14932	354.2	0	5188	37.2	6
Louisa	12931	348.6	5	4359	35.5	7
Lucas	12346	338.1	3	3905	32.3	8
Lyon	12212	352.6	5	4208	36.7	10
Madison	12952	337.4	2	4079	32.1	7
Mahaska	12117	350.0	2	4115	35.9	6
Marion	13697	360.4	0	4914	39.1	6
Marshall	13678	308.8	0	3441	23.5	8
Mills	12040	287.1	1	2349	16.9	9
Mitchell	15007	437.1	6	7072	62.2	8
Monona	11611	311.2	6	2988	24.2	9
Monroe	12672	399.9	1	5348	51.0	6
Montgomery	12883	327.5	3	3791	29.1	10
Muscatine	14707	363.8	0	5363	40.1	7
O'Brien	12330	356.5	4	4335	37.8	9
Osceola	12635	341.9	4	4093	33.4	8
Page	12623	338.8	2	4011	32.5	8
Palo Alto	12925	349.8	5	4385	35.8	8
Plymouth	13327	396.4	5	5557	49.9	7
Pocahontas	12197	326.6	7	3564	28.8	11
Polk	15720	355.7	0	5507	37.6	4
Pottawattamie	12916	346.4	0	4297	34.8	8
Poweshiek	13915	369.9	1	5220	41.9	8
Ringgold	10754	310.5	5	2750	24.0	8
Sac	12133	319.5	7	3357	26.7	11
Scott	15083	366.6	0	5574	40.9	5
Shelby	12685	356.7	5	4466	37.9	10
Sioux	12316	351.3	5	4213	36.3	8
Story	12519	374.5	0	4792	43.3	5
Tama	12375	336.8	3	3883	31.9	8
Taylor	11343	357.3	5	4005	38.1	9
Union	12303	374.9	1	4717	43.4	7
Van Buren	10777	352.4	2	3709	36.6	7
Wapello	11573	324.2	0	3322	28.1	7
Warren	13272	364.6	0	4859	40.3	8
Washington	12791	324.8	4	3689	28.3	9
Wayne	11274	354.4	4	3922	37.2	9
Webster	12735	343.4	2	4163	33.9	8
Winnebago	14324	384.0	2	5703	46.2	9
Winneshiek	12938	435.5	2	6071	61.7	7
Woodbury	12935	334.3	0	3993	31.2	6
Worth	15093	445.5	5	7262	64.7	9
Wright	14684	375.9	2	5656	43.7	9
State of Iowa	13497	354.8	0	4705	37.4	7

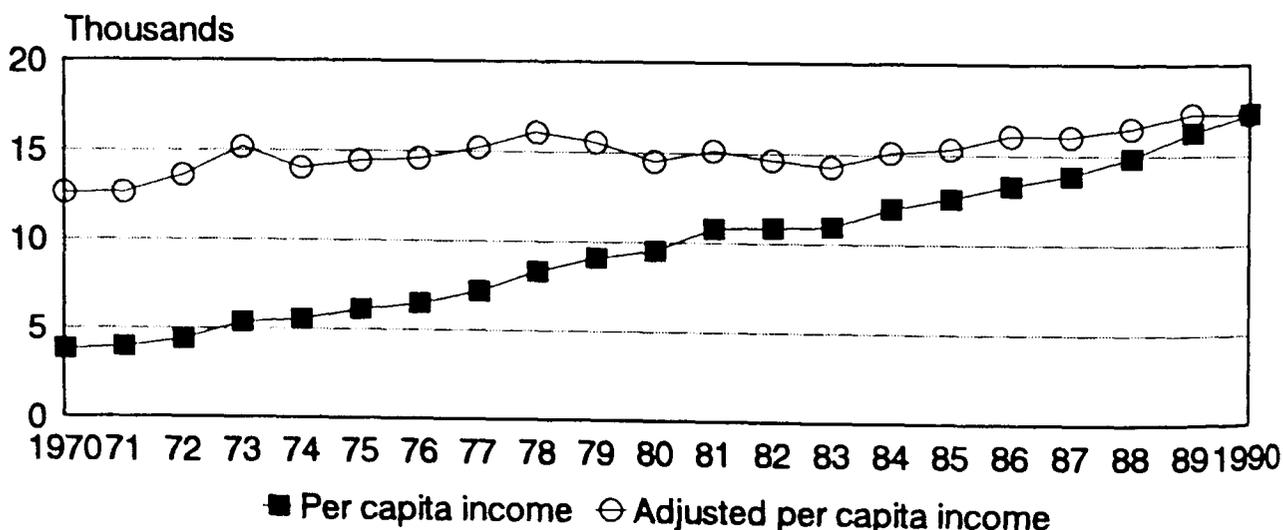
increase each year as was the case before adjustment (Table 2, Figure 1). Instead, there were seven times (1973 to 1974, 1978 to 1979, 1979 to 1980, 1981 to 1982, 1982 to 1983, 1986 to 1987, 1989 to 1990) when it declined. The purchasing power of Iowa's residents was greater in 1978 than it was through the 1980s until 1988. In addition, it was lower in 1983 than any year since 1974.

County trends for adjusted per capita income show more variation than when the unadjusted figures were examined. The highest county figure was \$20,443 for Greene in 1973 while the lowest was Decatur with \$9,441 in 1980. The differences between the highest and lowest counties, which were greater than with the unadjusted figures, reached \$6,000-\$6,999 in 5 years, \$7,000-\$7,999 in 12 years, and more than \$8,000 in 1973 and 1988. Adjusted per capita income increased in all Iowa counties from 1971 to 1972 but that was the only time period when that happened. More than 90 counties had decreases from 1973 to 1974, 1978 to 1979, 1979 to 1980, and 1981 to 1982 when per capita income was adjusted for inflation. 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 1970 and 1990, Iowa's adjusted per capita income increased by \$4,705 and all of the counties experienced gains (Table 3). An appropriately-named county--Worth--increased the most (+\$7,262); five others (Hamilton, Howard, Johnson, Mitchell, Winneshiek) also increased by at least \$6,000. Emmet had the smallest gain (+\$1,537); eight others (Buena Vista, Davis, Decatur, Greene, Ida, Mills, Monona, Ringgold) increased less than \$3,000. None of the counties had increases in adjusted per capita income in all 20 year-to-year comparisons. Two counties (Appanoose, Polk) declined only four times; the remaining counties had losses at least five times. Ten counties declined in 10 instances when adjacent years were compared, five (Boone, Hardin, Ida, Pocahontas, Sac) declined 11 times, and Greene had losses in 12 of the 20 comparisons.

The state's percentage increase in adjusted per capita income from 1970 to 1990 was 37.4%. The counties ranged from a gain of less than 12% in Emmet to a jump of 72% in Howard. These percentage increases for adjusted per capita income were much less dramatic than those for the unadjusted figures. The adjusted numbers, however, represent real gains in buying power after the effect of inflation was removed.

Figure 1. Per capita income and adjusted per capita income in Iowa, 1970-1990.



Estimated Employment and Unemployment in Iowa's Counties: 1978-1991

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Iowa's labor force was estimated to include 1,517,000 people in 1991, which is the highest figure reported for the period included in Table 1. Although the state's labor force grew steadily from 1978 to 1980, it then generally declined through 1984. The pattern changed back to growth from 1984 to 1985 and increases occurred each year until a decline from 1989 to 1990. 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.

The numbers in this section may differ from those reported in "Labor Force Status in Iowa's Counties: 1940-1990;" those figures, which are from the decennial census, are based only on participation in the labor force as of the census reference week, which was the calendar week preceding the date on which respondents completed their questionnaires or were interviewed by enumerators. The numbers reported by the Iowa Department of Employment Services depend on information obtained monthly and then averaged over a calendar year.

In 1991, Polk county had 202,900 in the labor force according to the Iowa Department of Employment Services, more than double the next two highest counties (Linn, Scott). Adams and Ringgold, in contrast, reported fewer than 3,000 in the labor force.

Polk's labor force increased by 37,400 between 1981 and 1991. Johnson, Linn, Pottawattamie, Scott, and Woodbury each had gains of more than 5,000. Although Iowa had 90,000 more people in the labor force in 1991 than in 1981, 46 counties had a smaller labor force at the end of the period. Of these 46 counties, 12 had declines of more than 1,000, with the decrease of 5,400 in Black Hawk much higher than the others.

Employment

Employment in Iowa in 1991 (1,447,000) was 1,000 below that for 1989 (Table 2), which was the high point from 1978 to the present. The annual gains recorded from 1985 through 1989 show that the state rebounded from employment losses from 1979 through 1982 and from 1984 to 1985.

In Iowa's counties in 1991, the number employed ranged from under 3,000 in Adams and Ringgold to 195,000 in Polk. Twenty-one 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 1991; another 26 had employment totals ranging from 10,000 to 46,200.

The state had 119,000 more employed persons in 1991 than in 1981, an increase of 9.0%. Polk increased the most (41,800) and Johnson was second (19,500); Linn was the only other county gaining at least 10,000 employees. Polk and Johnson together accounted for 51.5% of the state's gain in

Table 1. Labor Force Estimates in Iowa Counties, 1978-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	4560	4520	4550	4620	4410	4450	4430	4420	4560	4440	4450	4560	4600	4760
Adams	2990	3000	3100	3190	3050	2920	2870	3030	2780	2660	2590	2690	2640	2650
Allamakee	7420	7370	7680	7630	7470	7510	7390	7380	7150	6990	6920	7040	7160	7380
Appanoose	6730	6430	6530	6600	6320	6150	5850	5910	5780	6020	6020	6110	6150	5950
Audubon	3670	3600	3510	3490	3490	3660	3740	3880	4090	4050	4100	4060	4110	4200
Benton	10540	10950	10790	10800	10230	10730	10650	10660	10830	10940	10910	11200	11040	10860
Black Hawk	63300	61700	61400	60600	58060	59220	59880	61710	64950	67170	68690	69500	68920	67850
Boone	12390	12400	12800	12890	12040	12250	11940	12070	12310	12090	12290	12300	12570	12540
Bremer	11100	10700	10700	10500	10120	10120	10190	10590	11190	10720	10610	10920	10640	10700
Buchanan	10110	9860	9950	10080	9810	9970	9900	10130	11270	11110	10910	11250	10940	10800
Buena Vista	11670	11100	11350	11630	11090	10940	10990	10930	11110	10330	10560	10750	10570	10540
Butler	7570	7350	7450	7350	7470	7660	7730	7920	8140	7820	7880	8290	8190	8340
Calhoun	5600	5490	5510	5560	5450	5580	5660	5790	6150	6200	6200	6240	6120	6030
Carroll	11780	11610	11720	11440	11120	11160	11080	11200	12270	12050	12180	11700	11610	11460
Cass	8060	8120	8520	8400	8260	8340	8510	8780	9250	8970	8910	8890	8920	9070
Cedar	9680	9570	9670	9560	9030	8980	8880	9020	8440	8520	8290	8370	8550	8540
Cerro Gordo	26550	25990	26370	26490	25610	25570	25450	24710	24110	23920	24620	24090	24200	24430
Cherokee	7030	6900	7010	7120	7100	7510	7450	7550	7740	7610	7630	7710	7830	7910
Chickasaw	7240	7210	7320	7220	7170	7320	7470	7340	7330	7130	7170	7340	7100	7180
Clarke	4650	4490	4590	4440	4200	4140	4010	3920	4700	4550	4710	4820	4570	4400
Clay	8870	9030	9270	9240	8780	8750	8890	9150	9810	9900	10080	10240	10340	10190
Clayton	9720	9840	10200	10220	9770	10010	9930	10110	10540	10320	10250	10300	10460	10270
Clinton	23850	23430	23820	23790	23030	23230	23260	23940	25570	26570	26960	28050	27630	26900
Crawford	8390	8450	8980	9200	9120	9150	9060	9240	10470	10230	10130	9840	9810	9730
Dallas	16900	16600	17000	16300	15480	15200	15020	15820	15520	13560	13300	13450	13180	13600
Davis	3840	3800	3840	3870	3740	3860	3680	3760	3700	3720	3690	3600	3650	3650
Decatur	3920	3830	3930	3820	3940	4070	4230	4090	3980	4160	4070	4160	3960	4010
Delaware	8950	8870	8880	8720	8410	8420	8490	8760	9140	8960	8880	8950	8790	8600
Des Moines	22820	22510	23100	23020	22480	22120	21410	21520	19060	19240	19600	19720	19540	19620
Dickinson	10280	10040	9780	9340	8770	8650	8510	8670	7700	7480	7430	7380	7560	7710
Dubuque	45700	44300	44900	44700	43590	43360	42330	41900	42750	43100	44980	45670	45590	45740
Emmet	5150	5030	5050	5100	5070	5220	5410	5690	5920	6160	6340	6280	6260	6240
Fayette	10490	10400	10550	10610	10380	10870	11130	11470	11530	11420	11370	11560	11790	12020

Table 1. Labor Force Estimates in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	8580	8520	8730	8720	8410	8390	8470	8620	7680	7740	7750	7980	8130	8250
Franklin	5100	5230	5290	5340	5480	5710	5770	5670	6300	6350	6280	6540	6490	6490
Fremont	4100	4110	4300	4300	4290	4350	4590	4830	6030	5820	5800	5580	5620	5110
Greene	4980	4900	5230	5190	5190	5290	5320	5400	5350	5320	5300	5640	5660	5630
Grundy	6700	6730	6770	6670	6480	6660	6750	6980	6410	6290	6170	6200	6190	6340
Guthrie	5440	5340	5390	5260	5210	5370	5320	5280	5750	5670	5590	5750	5530	5520
Hamilton	10030	9830	10400	10200	9420	9420	9150	9270	9160	8990	8960	8650	8720	8580
Hancock	6120	6380	6430	6350	6070	6130	6180	6100	6680	6740	7070	7120	7280	6840
Hardin	9720	9700	9580	9760	9790	9950	9960	10120	10880	10860	10950	10890	10970	10890
Harrison	7040	6890	6960	7040	6800	6830	6930	7080	7460	7330	7130	7180	7220	7110
Henry	12210	12070	12280	11830	10910	10440	9970	9460	10000	9860	9940	9900	10120	10750
Howard	5010	4970	5030	5090	4970	4990	5060	5030	5520	5400	5390	5610	5470	5470
Humboldt	5350	5380	5330	5510	5260	5430	5510	5550	5510	5430	5520	5460	5550	5910
Ida	4480	4670	4740	4720	4370	4210	4160	4150	4480	4320	4170	4250	4450	4600
Iowa	8660	8290	8620	8370	8140	8100	8050	8270	8970	8650	8970	9250	8940	9130
Jackson	11010	10810	10880	10800	10270	9980	10100	10130	10480	10390	10300	10390	10380	10280
Jasper	17610	17630	17950	18120	17710	17220	17380	17370	16010	15870	16040	16420	16390	16590
Jefferson	9090	8970	9220	9180	8470	8530	8080	7980	7490	7570	7720	7840	7850	7570
Johnson	63100	61800	62000	60600	59520	58130	54750	53960	48280	45980	44620	43720	42860	42630
Jones	9460	9440	9430	9150	8850	8870	8750	8780	9780	9910	9690	10020	9920	9830
Keokuk	5510	5570	5820	5700	5540	5830	5940	5770	5320	5310	5220	5240	5410	5410
Kossuth	9030	9080	9250	9190	9080	9560	9780	9760	11170	11060	11090	11410	11490	11370
Lee	18870	18300	18450	18520	18450	18700	18630	18810	20210	20620	21390	21430	21760	21730
Linn	97200	96500	97700	96500	91790	89340	85720	83960	84650	85570	87890	89620	88490	84730
Louisa	8190	7970	7800	7790	6610	5860	5110	4960	4890	5600	6160	5370	4550	4590
Lucas	4970	4970	4940	4930	4810	4950	5000	4990	4670	4620	4630	4550	4570	4660
Lyon	6180	6180	6170	6040	5780	5890	5590	5720	6130	6080	6020	6360	6450	6620
Madison	6240	6160	6170	6290	5970	5800	5570	5640	5700	5720	5780	5860	5960	5970
Mahaska	10560	10470	10500	10540	10180	10150	10060	9940	9790	9660	9850	9940	10320	10390
Marion	16520	16260	16370	16190	15560	15010	14260	13930	16170	15940	16330	16270	16000	15670
Marshall	20080	20070	20280	19950	19350	19920	19720	20510	19570	19680	19320	19370	19110	19890
Mills	5570	5410	5610	5620	5460	5570	5850	6050	6450	6570	6410	6410	6420	6390
Mitchell	5650	5700	5830	5770	5640	5760	5760	5650	6120	6090	6070	6000	5930	5990

Table 1. Labor Force Estimates in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	4530	4640	4780	4780	4670	4790	4890	5100	5470	5350	5300	5400	5430	5400
Monroe	4150	4070	4000	3700	3670	3710	3870	3810	4330	4400	4930	4850	4940	5030
Montgomery	6150	6280	6460	6130	5870	5900	6080	6320	6480	6370	6350	6570	6690	6370
Muscatine	21740	21570	21630	21400	20980	21070	20760	20480	21610	21640	21510	20360	19800	19750
O'Brien	8140	8030	8080	8070	7760	7750	7720	7900	8270	7970	7770	7880	7730	8070
Osceola	3590	3550	3540	3500	3420	3480	3510	3690	3510	3540	3520	3440	3590	3620
Page	8570	8430	8450	8410	8130	8400	8570	8750	9020	9080	8940	9020	9190	9750
Palo Alto	5090	5040	5240	5230	5190	5190	5380	5640	5630	5510	5400	5480	5380	5510
Plymouth	13420	12810	12510	12490	12140	11900	11720	11650	11490	11320	11320	11420	11440	11450
Pocahontas	4880	4900	4960	4920	4820	4820	4830	5000	4750	4780	4770	4720	4890	4960
Polk	202900	198400	199100	196100	186320	179650	171370	166850	163030	165450	165500	165770	164470	164100
Pottawattamie	48600	48100	48700	48300	47330	46800	44890	46070	41920	42170	41990	41170	43540	42110
Poweshiek	10490	10610	10920	10830	10300	9980	9710	9490	10260	10230	10090	10170	10320	10170
Ringgold	2510	2480	2580	2590	2520	2610	2580	2670	3340	3300	3300	3230	3270	3300
Sec	5500	5490	5690	5690	5560	5700	5710	6030	6200	6250	6220	6390	6400	6630
Scott	81300	80300	82800	83700	81570	80900	75880	72770	72410	74620	75760	75050	73780	68780
Shelby	6930	6700	6850	6910	6690	6890	7050	7060	6820	6730	6750	6570	6460	6490
Sioux	16680	16570	16390	15980	15150	14900	15160	14890	16560	15790	15790	16200	16070	15570
Story	42560	42340	42550	42080	40100	39610	38950	38500	39240	38170	37960	38470	38230	39020
Tama	8360	8620	8870	8920	8870	8860	8680	8440	9800	9740	9430	9680	9610	9850
Taylor	3540	3310	3360	3330	3390	3510	3540	3640	3570	3540	3480	3500	3490	3560
Union	6570	6560	6620	6540	6330	6370	6200	6320	7320	7350	7320	7160	7360	7160
Van Buren	3480	3470	3630	3650	3750	3780	3740	3700	3910	3850	3890	3820	3760	3820
Wapello	16300	15710	15840	15700	15440	16260	16420	16910	16400	16490	16900	17150	17280	16710
Warren	21000	20600	20600	20400	19290	18540	18580	18850	18290	18540	18680	18850	18480	18460
Washington	9630	9490	9520	9510	9470	9600	9580	9690	9740	9630	9810	9880	10040	10220
Wayne	3200	3240	3280	3250	3220	3260	3270	3370	3810	3760	3790	3710	3820	3860
Webster	20370	20440	20810	20800	20200	20570	20880	21180	21600	22000	22530	22920	22950	22970
Winnebago	6970	7300	7640	7790	7350	7120	7250	7330	6260	5820	5690	5860	6800	7640
Winneishiek	13510	13360	13120	12050	12350	12330	11940	11840	12120	11880	11640	11340	10990	11090
Woodbury	53700	51900	52300	51800	51200	49310	48250	48400	46790	45890	47000	46110	48890	50890
Worth	4990	5140	4980	4870	4650	4430	4450	4550	4010	3830	3810	3970	3890	3990
Wright	7800	7740	7970	7790	7500	7640	8000	8350	8240	7980	7660	7630	7870	7930
State of Iowa	1517000	1496000	1513000	1500000	1449000	1439000	1412000	1411000	1420000	1417000	1427000	1432000	1425000	1418000

Table 2. Estimates of the Number Employed in Iowa Counties, 1978-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	4400	4380	4380	4480	4260	4250	4220	4220	4310	4250	4270	4370	4450	4580
Adams	2870	2880	3000	3100	2940	2800	2710	2890	2630	2510	2480	2580	2530	2560
Allamakee	7010	6930	7220	7240	6980	6930	6620	6690	6520	6340	6310	6470	6720	7010
Appanoose	6260	5980	6120	6200	5860	5570	5190	5280	5020	5170	5410	5460	5710	5410
Audubon	3550	3460	3380	3370	3310	3380	3420	3600	3830	3840	3910	3910	4000	4080
Benton	9920	10320	10300	10330	9620	9910	9750	9950	9880	9580	10090	10630	10710	10550
Black Hawk	59800	58600	58100	57100	53190	51650	51260	54300	56350	59010	63170	64630	65690	64630
Boone	11850	11940	12300	12430	11410	11480	11160	11400	11390	11220	11670	11730	12140	12130
Bremer	10600	10400	10300	10100	9400	9140	9230	9780	10160	9680	9890	10280	10270	10330
Buchanan	9510	9310	9440	9590	9120	9040	8790	9090	9960	10030	10140	10540	10520	10400
Buena Vista	11440	10890	11100	11310	10720	10450	10450	10440	10560	9580	10090	10410	10320	10190
Butler	7060	6980	7090	6960	6930	6930	6980	7280	7270	7040	7290	7780	7950	8080
Calhoun	5410	5340	5360	5360	5190	5230	5220	5480	5800	5830	5920	6030	5960	5860
Carroll	11340	11110	11180	10940	10480	10370	10190	10540	11500	11160	11370	11070	11220	11030
Cass	7630	7660	8160	8050	7790	7820	7840	8080	8740	8490	8460	8520	8670	8770
Cedar	9370	9280	9370	9200	8630	8450	8280	8570	7890	7940	7950	8090	8360	8350
Cerro Gordo	25180	24670	25110	25160	24140	23750	23390	23010	22220	22020	22860	22610	22950	23270
Cherokee	6830	6690	6770	6860	6660	7000	7050	7190	7360	7210	7200	7420	7620	7660
Chickasaw	6740	6780	6930	6830	6630	6570	6560	6590	6360	6290	6400	6550	6760	6800
Clarke	4330	4250	4350	4160	3930	3790	3650	3600	4350	4150	4380	4520	4380	4180
Clay	8550	8800	9010	8950	8360	8210	8200	8440	9270	9340	9510	9760	9990	9680
Clayton	9140	9290	9630	9640	9110	9190	8860	9190	9570	9270	9410	9480	9960	9830
Clinton	22160	21900	22230	22170	21250	21120	20750	21570	22560	23260	24760	26470	26530	25900
Crawford	8010	7970	8310	8560	8670	8600	8450	8690	9900	9580	9640	9490	9410	9360
Dallas	16300	16000	16000	15700	14800	14230	14140	14980	14480	12580	12460	12670	12690	13040
Davis	3570	3640	3630	3610	3420	3440	3320	3450	3270	3330	3390	3400	3490	3450
Decatur	3700	3610	3800	3630	3700	3750	3930	3830	3650	3910	3850	3960	3800	3860
Delaware	8460	8440	8360	8320	7920	7750	7550	8020	8190	8030	8150	8270	8480	8250
Des Moines	21430	21310	21750	21610	20990	20210	19130	19470	16550	16770	17650	18150	18560	18620
Dickinson	9940	9750	9490	8970	8300	7970	7710	8060	7120	6920	6970	6980	7230	7380
Dubuque	42900	41900	42200	42300	40920	40000	38280	38320	37580	36960	40150	41760	43040	43330
Emmet	4840	4760	4760	4800	4630	4580	4610	5070	5120	5380	5910	5940	6040	6030
Fayette	9910	9920	10080	10120	9710	9880	10000	10470	10370	10220	10610	10780	11220	11470

Table 2. Estimates of the Number Employed in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	7990	8030	8290	8230	7770	7500	7170	7770	6370	6620	6800	6960	7650	7670
Franklin	4840	4960	5060	5070	5090	5310	5350	5290	5800	5910	6020	6280	6310	6320
Fremont	3890	3960	4140	4130	4090	4050	4200	4470	5740	5550	5620	5440	5490	4960
Greene	4690	4620	4880	4940	4900	4890	4820	4970	4920	4870	4920	5290	5490	5430
Grundy	6460	6540	6580	6410	6200	6260	6340	6600	5920	5910	5930	5920	6040	6120
Guthrie	5150	5080	5060	5060	4930	4960	4940	4960	5420	5320	5270	5480	5350	5320
Hamilton	9660	9400	10030	9900	9040	8860	8570	8710	8570	8450	8450	8250	8420	8240
Hancock	5760	5980	6130	6140	5760	5650	5590	5760	6250	6210	6710	6590	6940	6600
Hardin	9210	9300	9190	9250	9140	9340	9370	9510	10360	10340	10480	10520	10730	10640
Harrison	6640	6570	6560	6600	6360	6290	6290	6540	6820	6730	6750	6860	6900	6830
Henry	11720	11700	11810	11370	10360	9830	9230	8760	9190	9060	9180	9320	9750	10350
Howard	4810	4760	4760	4770	4700	4590	4590	4670	5090	4960	5050	5260	5250	5230
Humboldt	5140	5190	5160	5350	5020	5050	5080	5170	5110	5070	5220	5170	5330	5720
Ida	4330	4550	4610	4600	4230	4040	3950	3980	4340	4180	4040	4110	4340	4500
Iowa	8430	8050	8420	8150	7870	7650	7530	7930	8550	8070	8550	8980	8730	8950
Jackson	10320	10140	10100	10000	9490	9050	8920	9140	9070	8990	9260	9480	9770	9660
Jasper	16800	16940	17210	17370	16850	16110	16300	16230	14630	14180	14760	15160	15670	15950
Jefferson	8660	8580	8770	8740	7880	7850	7500	7470	6870	6790	7190	7370	7550	7320
Johnson	62000	60800	61000	59400	58310	56590	53040	52640	46570	44040	42510	42190	41720	41630
Jones	8980	8980	9040	8790	8350	8270	8010	8120	8950	9010	9080	9470	9610	9520
Keokuk	5200	5290	5530	5380	5200	5350	5450	5320	4810	4750	4670	4800	5130	5160
Kossuth	8500	8620	8820	8730	8500	8810	8940	9120	10460	10260	10390	10720	10940	10960
Lee	17300	17000	17060	16990	16660	16790	16680	16990	17960	18150	19460	19900	20730	20850
Linn	92300	91500	94100	93000	87030	83780	79570	77940	77650	77300	80800	83800	85250	81880
Louis	7840	7660	7490	7500	6270	5450	4590	4540	4350	5270	5930	5160	4340	4330
Lucas	4720	4690	4700	4720	4540	4660	4620	4650	4350	4260	4340	4280	4350	4400
Lyon	6040	6040	6020	5870	5590	5620	5330	5460	5860	5880	5750	6100	6280	6450
Madison	5870	5870	5850	5960	5660	5340	5160	5240	5230	5250	5370	5530	5730	5740
Mahaska	10030	10020	10000	10160	9710	9460	9220	9320	9090	8860	9190	9390	9960	10050
Marion	15920	15710	15820	15670	15010	14370	13700	13350	15420	15100	15670	15640	15590	15260
Marshall	19290	19330	19510	19140	18170	18490	18170	18950	17490	17820	18130	18300	18400	19230
Mills	5330	5170	5380	5410	5200	5180	5420	5710	6150	6280	6150	6210	6220	6230
Mitchell	5430	5480	5630	5560	5360	5330	5210	5240	5530	5590	5570	5520	5610	5660

Table 2. Estimates of the Number Employed in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	4290	4450	4550	4490	4330	4390	4450	4700	5090	4960	4980	5100	5160	5130
Monroe	3900	3830	3750	3440	3360	3230	3370	3320	3780	3780	4470	4510	4660	4750
Montgomery	5870	5960	6140	5890	5590	5520	5550	5860	6080	5970	6010	6240	6520	6190
Muscatine	20490	20460	20540	20290	19710	19540	19180	19060	19950	20130	20310	19380	18930	18850
O'Brien	7960	7850	7900	7840	7450	7360	7350	7510	7920	7640	7450	7610	7520	7810
Osceola	3470	3430	3400	3320	3250	3230	3240	3450	3270	3280	3300	3260	3440	3480
Page	8030	8010	8040	8070	7700	7830	7870	8150	8320	8410	8510	8660	8930	9450
Palo Alto	4900	4870	5050	5030	4990	4870	4920	5210	5170	5100	5050	5190	5170	5300
Plymouth	13000	12440	12090	12000	11580	11240	10900	10970	10870	10670	10720	10940	10950	10970
Pocahontas	4740	4780	4840	4780	4640	4580	4540	4750	4440	4420	4510	4540	4740	4820
Polk	195200	192000	192000	188800	177970	169300	160110	156950	150850	152150	153370	156450	157590	157530
Pottawattamie	46200	46000	46400	46000	44460	43530	41510	42580	39150	38780	38600	38630	41240	39990
Poweshiek	10100	10230	10540	10500	9910	9480	9090	8930	9600	9540	9590	9640	9980	9860
Ringgold	2380	2350	2460	2460	2340	2450	2400	2470	3050	3110	3180	3120	3160	3200
Sac	5240	5210	5390	5360	5210	5240	5180	5490	5550	5560	5810	6080	6180	6400
Scott	76800	76200	77900	78000	76200	74950	69640	66970	64630	66260	69750	71100	70770	65480
Shelby	6560	6410	6520	6570	6310	6410	6420	6470	6430	6360	6410	6310	6220	6230
Sioux	16360	16290	16060	15610	14560	14210	14430	14240	15910	15070	15040	15530	15560	15100
Story	41580	41530	41840	41360	39160	38350	37640	37280	37570	36540	36440	37160	37330	38230
Tama	7880	8210	8500	8510	8310	8190	8000	8020	9360	9270	9120	9410	9370	9580
Taylor	3370	3180	3220	3200	3180	3260	3250	3380	3270	3320	3340	3360	3370	3440
Union	6190	6250	6360	6230	5930	5950	5750	5800	6780	6890	6880	6800	7080	6880
Van Buren	3240	3290	3350	3380	3420	3420	3360	3410	3530	3440	3580	3530	3600	3660
Wapello	14990	14720	14780	14540	13870	14070	14460	15200	14310	14450	14930	15790	16100	15730
Warren	20300	20000	20000	19700	18490	17670	17620	18010	17350	17500	17640	18000	17910	17910
Washington	9230	9140	9130	9080	8910	8840	8790	9090	9020	8980	9240	9360	9660	9860
Wayne	3050	3130	3180	3100	3040	3060	3030	3150	3540	3530	3620	3560	3680	3700
Webster	19320	19430	19800	19800	18980	18980	19020	19520	19800	20220	21010	21590	21980	22170
Winnebago	6640	6870	7350	7600	7070	6740	6730	7080	5930	5420	5320	5300	6350	7400
Winneishiek	13030	12860	12550	11430	11610	11440	11030	11020	11240	11090	10810	10640	10420	10530
Woodbury	51200	49700	50100	49000	47780	45250	44090	44800	43280	42170	43340	43160	45240	47670
Worth	4730	4870	4740	4650	4410	4080	4040	4250	3690	3510	3500	3650	3650	3810
Wright	7460	7460	7700	7490	7140	7180	7370	7870	7740	7530	7280	7260	7630	7720
State of Iowa	1447000	1433000	1448000	1433000	1369000	1338000	1300000	1312000	1305000	1296000	1328000	1350000	1366000	1361000

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1978-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	160	140	170	140	150	200	200	200	250	200	180	190	160	180
Adams	120	120	100	90	110	130	160	140	150	150	110	110	110	100
Allamakee	410	440	450	390	480	580	770	690	630	650	610	580	440	370
Appanoose	470	460	410	400	460	580	660	620	760	850	610	640	440	540
Audubon	120	140	130	120	190	280	320	280	260	210	180	140	110	130
Benton	620	630	490	480	620	810	900	710	950	1370	820	570	340	310
Black Hawk	3600	3100	3300	3500	4870	7570	8620	7410	8590	8160	5520	4870	3230	3220
Boone	550	460	500	460	630	770	780	670	920	880	620	570	430	420
Bremer	500	400	400	400	710	980	960	810	1030	1040	720	640	370	370
Buchanan	600	540	520	490	680	930	1120	1040	1300	1080	770	710	420	400
Buena Vista	230	220	250	320	370	490	540	490	550	740	470	340	260	340
Butler	510	380	360	390	540	730	750	630	870	770	590	510	240	260
Calhoun	180	150	160	200	260	340	440	310	350	360	290	210	160	170
Carroll	440	490	540	500	640	790	880	660	760	890	820	630	390	430
Cass	430	450	370	360	470	520	680	700	510	470	450	370	250	300
Cedar	320	290	310	370	400	530	600	440	550	580	340	280	190	190
Cerro Gordo	1370	1320	1260	1330	1470	1820	2060	1700	1890	1900	1760	1490	1250	1160
Cherokee	200	210	240	260	440	510	400	360	380	390	430	290	220	250
Chickasaw	500	440	400	400	540	760	910	760	970	840	770	780	340	390
Clarke	320	240	240	270	280	350	360	330	350	390	330	290	190	220
Clay	330	230	260	290	420	540	690	710	550	560	560	480	350	510
Clayton	580	550	570	580	660	820	1070	920	970	1050	840	820	500	440
Clinton	1690	1530	1590	1620	1780	2110	2510	2370	3010	3310	2200	1590	1110	990
Crawford	370	480	670	640	460	550	620	560	570	650	490	350	400	360
Dallas	600	600	1000	600	690	970	880	840	1040	980	840	790	490	560
Davis	270	160	210	270	320	420	360	310	420	390	300	200	160	190
Decatur	220	210	130	200	240	310	300	260	330	250	220	200	160	160
Delaware	490	420	520	400	500	680	950	750	950	930	730	680	310	350
Des Moines	1390	1200	1350	1410	1490	1910	2290	2060	2500	2470	1950	1580	990	1000
Dickinson	330	290	280	370	470	680	800	610	580	560	470	400	330	320
Dubuque	2800	2500	2700	2400	2670	3370	4040	3580	5170	6140	4830	3910	2550	2410
Emmet	310	270	290	300	430	640	800	620	800	780	430	340	220	220
Fayette	580	480	470	490	670	990	1130	1000	1160	1200	770	780	570	550

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	590	500	440	490	630	890	1300	850	1310	1120	960	1020	480	580
Franklin	260	270	230	270	390	390	420	380	500	440	260	260	180	160
Fremont	210	150	160	170	200	300	390	360	290	270	180	130	140	150
Greene	290	280	350	250	290	400	500	430	430	440	380	350	170	200
Grundy	240	190	190	260	280	400	410	380	490	380	240	280	150	220
Guthrie	290	260	340	200	280	410	380	320	320	350	320	270	180	200
Hamilton	380	430	370	300	370	570	580	560	590	540	510	410	300	340
Hancock	370	410	300	220	300	480	600	340	430	520	370	530	340	240
Hardin	510	400	400	510	640	620	600	610	530	520	470	370	240	260
Harrison	410	320	400	440	440	530	630	530	640	600	390	320	320	280
Henry	490	370	470	450	550	610	740	700	810	800	760	590	370	390
Howard	210	210	270	310	270	390	470	360	430	440	350	350	220	240
Humboldt	210	180	170	160	240	380	420	380	400	370	300	290	220	190
Iowa	150	130	130	130	140	170	210	170	150	140	130	140	110	110
Jackson	240	240	200	220	270	450	520	340	420	580	420	270	210	180
Jasper	690	670	780	810	770	930	1180	990	1410	1400	1040	910	620	620
Jasper	800	700	740	750	860	1110	1080	1140	1380	1680	1280	1260	720	650
Jefferson	440	390	440	440	590	680	580	510	620	780	540	470	300	260
Johnson	1100	1000	900	1100	1210	1540	1710	1320	1710	1930	2110	1530	1140	1010
Jones	480	450	400	370	500	600	750	660	830	900	610	550	310	310
Keokuk	310	280	290	320	340	480	500	450	520	560	550	450	280	260
Kossuth	530	460	430	460	580	750	840	630	710	800	700	690	550	410
Lee	1570	1300	1380	1530	1790	1920	1950	1820	2250	2470	1930	1540	1030	880
Linn	4900	5000	3600	3600	4760	5560	6150	6020	7000	8270	7100	5820	3240	2860
Louisa	360	310	310	280	340	420	520	420	540	340	230	210	210	260
Lucas	250	280	230	210	270	300	380	340	320	360	290	280	220	260
Lyon	140	130	150	170	190	270	260	260	270	200	260	270	160	170
Madison	370	290	320	330	310	460	410	400	470	460	420	340	240	240
Mahaska	530	440	500	380	470	680	850	630	700	800	660	560	360	340
Marion	600	540	550	520	540	640	560	580	750	840	660	630	410	400
Marshall	790	740	770	810	1190	1430	1550	1560	2080	1860	1190	1070	710	660
Mills	230	240	230	210	270	390	430	340	300	290	260	210	200	160
Mitchell	220	210	210	210	280	430	550	410	590	490	500	480	320	320

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	240	190	230	290	340	400	440	400	380	390	320	290	270	270
Monroe	240	240	250	260	310	480	490	490	550	620	460	330	280	270
Montgomery	280	310	320	240	280	390	540	450	400	400	340	330	180	170
Muscatine	1250	1110	1090	1110	1270	1530	1580	1420	1660	1510	1200	980	870	900
O'Brien	180	180	180	230	320	390	380	390	350	330	320	270	210	260
Osceola	120	120	140	190	170	260	270	240	240	260	220	170	140	140
Page	530	420	410	350	430	560	710	610	700	670	430	360	260	300
Palo Alto	200	170	190	200	200	320	460	430	470	410	350	290	210	220
Plymouth	430	380	420	490	560	660	830	680	620	650	600	480	490	480
Pocahontas	140	120	120	140	180	240	290	250	310	360	250	190	140	130
Polk	7700	6500	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320	6870	6570
Pottawattamie	2300	2200	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540	2300	2120
Poweshiek	380	370	380	340	390	500	620	560	660	690	500	530	340	320
Ringgold	130	130	120	130	180	160	180	200	290	190	130	120	110	110
Sac	260	270	300	330	350	460	530	540	650	690	410	310	220	230
Scott	4400	4100	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950	3010	3300
Shelby	370	290	330	340	380	490	630	590	390	370	330	260	240	260
Sioux	310	290	330	370	580	690	740	650	660	710	750	670	510	470
Story	980	810	710	720	940	1260	1310	1220	1680	1630	1520	1310	900	790
Tama	480	410	370	410	560	670	680	420	440	470	310	280	240	270
Taylor	170	140	140	120	210	250	290	260	310	210	140	130	120	120
Union	380	310	270	310	400	420	450	520	540	460	430	370	280	280
Van Buren	240	180	280	280	340	360	380	290	380	410	310	290	160	170
Wapello	1310	1000	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360	1180	990
Warren	700	600	600	700	810	870	970	840	940	1050	1040	850	560	560
Washington	400	340	390	430	560	760	790	590	720	650	580	520	380	360
Wayne	140	110	100	150	190	200	250	230	270	230	170	160	130	160
Webster	1050	1010	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330	970	800
Winnebago	320	430	290	190	280	380	520	260	330	400	370	560	450	240
Winneshiek	480	500	570	620	750	880	910	820	890	790	830	700	570	560
Woodbury	2500	2100	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950	3650	3220
Worth	260	270	240	220	240	350	400	290	320	320	310	320	240	180
Wright	340	280	280	300	350	460	630	480	510	450	370	380	240	210
State of Iowa	70000	63000	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000	59000	57000

Table 4. Estimated Unemployment Rates in Iowa Counties, 1978-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	3.5	3.1	3.7	3.0	3.4	4.5	4.5	4.5	5.5	4.5	4.0	4.2	3.5	3.8
Adams	4.0	4.0	3.2	2.8	3.6	4.5	5.6	4.6	5.4	5.6	4.2	4.1	4.2	3.8
Allamakee	5.5	6.0	5.9	5.1	6.4	7.7	10.4	9.3	8.8	9.3	8.8	8.2	6.1	5.0
Appanoose	7.0	7.2	6.3	6.1	7.3	9.4	11.3	10.5	13.1	14.1	10.1	10.5	7.2	9.1
Audubon	3.3	3.9	3.7	3.4	5.4	7.7	8.6	7.2	6.4	5.2	4.4	3.4	2.7	3.1
Benton	5.9	5.8	4.5	4.4	6.1	7.5	8.5	6.7	8.8	12.5	7.5	5.1	3.1	2.9
Black Hawk	5.7	5.0	5.4	5.8	8.4	12.8	14.4	12.0	13.2	12.1	8.0	7.0	4.7	4.7
Boone	4.4	3.7	3.9	3.6	5.2	6.3	6.5	5.6	7.5	7.3	5.0	4.6	3.4	3.3
Bremer	4.5	3.7	3.7	3.8	7.0	9.7	9.4	7.6	9.2	9.7	6.8	5.9	3.5	3.5
Buchanan	5.9	5.5	5.2	4.9	6.9	9.3	11.3	10.3	11.5	9.7	7.1	6.3	3.8	3.7
Buena Vista	2.0	2.0	2.2	2.8	3.3	4.5	4.9	4.5	5.0	7.2	4.5	3.2	2.5	3.2
Butler	6.7	5.2	4.8	5.3	7.2	9.5	9.7	8.0	10.7	9.8	7.5	6.2	2.9	3.1
Calhoun	3.2	2.7	2.9	3.6	4.8	6.1	7.8	5.4	5.7	5.8	4.7	3.4	2.6	2.8
Carroll	3.7	4.2	4.6	4.4	5.8	7.1	7.9	5.9	6.2	7.4	6.7	5.4	3.4	3.8
Cass	5.3	5.5	4.3	4.3	5.7	6.2	8.0	8.0	5.5	5.2	5.1	4.2	2.8	3.3
Cedar	3.3	3.0	3.2	3.9	4.4	5.9	6.8	4.9	6.5	6.8	4.1	3.3	2.2	2.2
Cerro Gordo	5.2	5.1	4.8	5.0	5.7	7.1	8.1	6.9	7.8	7.9	7.1	6.2	5.2	4.7
Cherokee	2.8	3.0	3.4	3.7	6.2	6.8	5.4	4.8	4.9	5.1	5.6	3.8	2.8	3.2
Chickasaw	6.9	6.1	5.5	5.5	7.5	10.4	12.2	10.4	13.2	11.8	10.7	10.6	4.8	5.4
Clarke	6.9	5.3	5.2	6.1	6.7	8.5	9.0	8.4	7.4	8.6	7.0	6.0	4.2	5.0
Clay	3.7	2.5	2.8	3.1	4.8	6.2	7.8	7.8	5.6	5.7	5.6	4.7	3.4	5.0
Clayton	6.0	5.6	5.6	5.7	6.8	8.2	10.8	9.1	9.2	10.2	8.2	8.0	4.8	4.3
Clinton	7.1	6.5	6.7	6.8	7.7	9.1	10.8	9.9	11.8	12.5	8.2	5.7	4.0	3.7
Crawford	4.4	5.7	7.5	7.0	5.0	6.0	6.8	6.1	5.4	6.4	4.8	3.6	4.1	3.7
Dallas	3.6	3.6	5.9	3.7	4.5	6.4	5.9	5.3	6.7	7.2	6.3	5.9	3.7	4.1
Davis	7.0	4.2	5.5	7.0	8.6	10.9	9.8	8.2	11.4	10.5	8.1	5.6	4.4	5.2
Decatur	5.6	5.5	3.3	5.2	6.1	7.6	7.1	6.4	8.3	6.0	5.4	4.8	4.0	4.0
Delaware	5.5	4.7	5.9	4.6	5.9	8.1	11.2	8.6	10.4	10.4	8.2	7.6	3.5	4.1
Des Moines	6.1	5.3	5.8	6.1	6.6	8.6	10.7	9.6	13.1	12.8	9.9	8.0	5.1	5.1
Dickinson	3.2	2.9	2.9	4.0	5.4	7.9	9.4	7.0	7.5	7.5	6.3	5.4	4.4	4.2
Dubuque	6.1	5.6	6.0	5.4	6.1	7.8	9.5	8.5	12.1	14.2	10.7	8.6	5.6	5.3
Emmet	6.0	5.4	5.7	5.9	8.5	12.3	14.8	10.9	13.5	12.7	6.8	5.4	3.5	3.5
Fayette	5.5	4.6	4.5	4.6	6.5	9.1	10.2	8.7	10.1	10.5	6.8	6.7	4.8	4.6

Table 4. Estimated Unemployment Rates in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	6.9	5.9	5.0	5.6	7.5	10.6	15.3	9.9	17.1	14.5	12.4	12.8	5.9	7.0
Franklin	5.1	5.2	4.3	5.1	7.1	6.8	7.3	6.7	7.9	6.9	4.1	4.0	2.8	2.5
Fremont	5.1	3.6	3.7	4.0	4.7	6.9	8.5	7.5	4.8	4.6	3.1	2.3	2.5	2.9
Greene	5.8	5.7	6.7	4.8	5.6	7.6	9.4	8.0	8.0	8.3	7.2	6.2	3.0	3.6
Grundy	3.6	2.8	2.8	3.9	4.3	6.0	6.1	5.4	7.6	6.0	3.9	4.5	2.4	3.5
Guthrie	5.3	4.9	6.3	3.8	5.4	7.6	7.1	6.1	5.6	6.2	5.7	4.7	3.3	3.6
Hamilton	3.8	4.4	3.6	2.9	3.9	6.1	6.3	6.0	6.4	6.0	5.7	4.7	3.4	4.0
Hancock	6.0	6.4	4.7	3.5	4.9	7.8	9.7	5.6	6.4	7.7	5.2	7.4	4.7	3.5
Hardin	5.2	4.1	4.2	5.2	6.5	6.2	6.0	6.0	4.9	4.8	4.3	3.4	2.2	2.4
Harrison	5.8	4.6	5.7	6.3	6.5	7.8	9.1	7.5	8.6	8.2	5.5	4.5	4.4	3.9
Henry	4.0	3.1	3.8	3.8	5.0	5.8	7.4	7.4	8.1	8.1	7.6	6.0	3.7	3.6
Howard	4.2	4.2	5.4	6.1	5.4	7.8	9.3	7.2	7.8	8.1	6.5	6.2	4.0	4.4
Humboldt	3.9	3.3	3.2	2.9	4.6	7.0	7.6	6.8	7.3	6.8	5.4	5.3	4.0	3.2
Ida	3.3	2.8	2.7	2.8	3.2	4.0	5.0	4.1	3.3	3.2	3.1	3.3	2.5	2.4
Iowa	2.8	2.9	2.3	2.6	3.3	5.6	6.5	4.1	4.7	6.7	4.7	2.9	2.3	2.0
Jackson	6.3	6.2	7.2	7.5	7.5	9.3	11.7	9.8	13.5	13.5	10.1	8.8	6.0	6.0
Jasper	4.5	4.0	4.1	4.1	4.9	6.4	6.2	6.6	8.6	10.6	8.0	7.7	4.4	3.9
Jefferson	4.8	4.3	4.8	4.8	7.0	8.0	7.2	6.4	8.3	10.3	7.0	6.0	3.8	3.4
Johnson	1.7	1.6	1.5	1.8	2.0	2.6	3.1	2.4	3.5	4.2	4.7	3.5	2.7	2.4
Jones	5.1	4.8	4.2	4.0	5.6	6.8	8.6	7.5	8.5	9.1	6.3	5.5	3.1	3.2
Keokuk	5.6	5.0	5.0	5.6	6.1	8.2	8.4	7.8	9.8	10.5	10.5	8.6	5.2	4.8
Kossuth	5.9	5.1	4.6	5.0	6.4	7.8	8.6	6.5	6.4	7.2	6.3	6.0	4.8	3.6
Lee	8.3	7.1	7.5	8.3	9.7	10.3	10.5	9.7	11.1	12.0	9.0	7.2	4.7	4.0
Linn	5.0	5.2	3.7	3.7	5.2	6.2	7.2	7.2	8.3	9.7	8.1	6.5	3.7	3.4
Louisa	4.4	3.9	4.0	3.6	5.1	7.2	10.2	8.5	11.0	6.1	3.7	3.9	4.6	5.7
Lucas	5.0	5.6	4.7	4.3	5.6	6.1	7.6	6.8	6.9	7.8	6.3	6.2	4.8	5.6
Lyon	2.3	2.1	2.4	2.8	3.3	4.6	4.7	4.5	4.4	3.3	4.3	4.2	2.5	2.6
Madison	5.9	4.7	5.2	5.2	5.2	7.9	7.4	7.1	8.2	8.0	7.3	5.8	4.0	4.0
Mahaska	5.0	4.2	4.8	3.6	4.6	6.7	8.4	6.3	7.2	8.3	6.7	5.6	3.5	3.3
Marion	3.6	3.3	3.4	3.2	3.5	4.3	3.9	4.2	4.6	5.3	4.0	3.9	2.6	2.6
Marshall	3.9	3.7	3.8	4.1	6.1	7.2	7.9	7.6	10.6	9.5	6.2	5.5	3.7	3.3
Mills	4.1	4.4	4.1	3.7	4.9	7.0	7.4	5.6	4.7	4.4	4.1	3.3	3.1	2.5
Mitchell	3.9	3.7	3.6	3.6	5.0	7.5	9.5	7.3	9.6	8.0	8.2	8.0	5.4	5.3

Table 4. Estimated Unemployment Rates in Iowa Counties, 1978-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	5.3	4.1	4.8	6.1	7.3	8.4	9.0	7.8	6.9	7.3	6.0	5.4	5.0	5.0
Monroe	5.8	5.9	6.3	7.0	8.4	12.9	12.7	12.9	12.7	14.1	9.3	6.8	5.7	5.4
Montgomery	4.6	4.9	5.0	3.9	4.8	6.6	8.9	7.1	6.2	6.3	5.4	5.0	2.7	2.7
Muscatine	5.7	5.1	5.0	5.2	6.1	7.3	7.6	6.9	7.7	7.0	5.6	4.8	4.4	4.6
O'Brien	2.2	2.2	2.2	2.9	4.1	5.0	4.9	4.9	4.2	4.1	4.1	3.4	2.7	3.2
Osceola	3.3	3.4	4.0	5.4	5.0	7.5	7.7	6.5	6.8	7.3	6.3	4.9	3.9	3.9
Page	6.2	5.0	4.9	4.2	5.3	6.7	8.3	7.0	7.8	7.4	4.8	4.0	2.8	3.1
Palo Alto	3.9	3.4	3.6	3.8	3.9	6.2	8.6	7.6	8.3	7.4	6.5	5.3	3.9	4.0
Plymouth	3.2	3.0	3.4	3.9	4.6	5.5	7.1	5.8	5.4	5.7	5.3	4.2	4.3	4.2
Pocahontas	2.9	2.4	2.4	2.8	3.7	5.0	6.0	5.0	6.5	7.5	5.2	4.0	2.9	2.6
Polk	3.8	3.3	3.6	3.8	4.5	5.8	6.6	5.9	7.5	8.0	7.3	5.6	4.2	4.0
Pottawattamie	4.7	4.6	4.7	4.8	6.0	7.0	7.5	7.6	6.6	8.0	8.1	6.2	5.3	5.0
Poweshiek	3.6	3.5	3.5	3.1	3.8	5.0	6.4	5.9	6.4	6.7	5.0	5.2	3.3	3.1
Ringgold	5.2	5.2	4.7	5.0	7.1	6.1	7.0	7.5	8.7	5.8	3.9	3.7	3.4	3.3
Sac	4.7	4.9	5.3	5.8	6.3	8.1	9.3	9.0	10.5	11.0	6.6	4.9	3.4	3.5
Scott	5.4	5.1	6.0	6.8	6.6	7.4	8.2	8.0	10.8	11.2	7.9	5.3	4.1	4.8
Shelby	5.3	4.3	4.8	4.9	5.7	7.1	8.9	8.4	5.7	5.5	4.9	4.0	3.7	4.0
Sioux	1.9	1.8	2.0	2.3	3.8	4.6	4.9	4.4	4.0	4.5	4.7	4.1	3.2	3.0
Story	2.3	1.9	1.7	1.7	2.3	3.2	3.4	3.2	4.3	4.3	4.0	3.4	2.4	2.0
Tama	5.7	4.8	4.2	4.6	6.3	7.6	7.8	5.0	4.5	4.8	3.3	2.9	2.5	2.7
Taylor	4.8	4.2	4.2	3.6	6.2	7.1	8.2	7.1	8.7	5.9	4.0	3.7	3.4	3.4
Union	5.8	4.7	4.1	4.7	6.3	6.6	7.3	8.2	7.4	6.3	5.9	5.2	3.8	3.9
Van Buren	6.9	5.2	7.7	7.7	9.1	9.5	10.2	7.8	9.7	10.6	8.0	7.6	4.3	4.5
Wapello	8.0	6.4	6.8	7.4	10.2	13.5	11.9	10.1	12.7	12.4	11.7	7.9	6.8	5.9
Warren	3.3	2.9	2.9	3.4	4.2	4.7	5.2	4.5	5.1	5.7	5.6	4.5	3.0	3.0
Washington	4.2	3.6	4.1	4.5	5.9	7.9	8.2	6.1	7.4	6.7	5.9	5.3	3.8	3.5
Wayne	4.4	3.4	3.0	4.6	5.9	6.1	7.6	6.8	7.1	6.1	4.5	4.3	3.4	4.1
Webster	5.2	4.9	4.9	4.8	6.0	7.7	8.9	7.8	8.3	8.1	6.7	5.8	4.2	3.5
Winnebago	4.6	5.9	3.8	2.4	3.8	5.3	7.2	3.5	5.3	6.9	6.5	9.6	6.6	3.1
Winneshiek	3.6	3.7	4.3	5.1	6.1	7.1	7.6	6.9	7.3	6.6	7.1	6.2	5.2	5.0
Woodbury	4.7	4.0	4.2	5.2	6.7	8.2	8.6	7.4	7.5	8.1	7.8	6.4	7.5	6.3
Worth	5.2	5.3	4.8	4.5	5.2	7.9	9.0	6.4	8.0	8.4	8.1	8.1	6.2	4.5
Wright	4.4	3.6	3.5	3.9	4.7	6.0	7.9	5.7	6.2	5.6	4.8	5.0	3.0	2.6
State of Iowa	4.6	4.2	4.3	4.5	5.5	7.0	7.9	7.0	8.1	8.5	6.9	5.7	4.1	4.0

employment from 1981 to 1991. Forty-five counties had lower numbers employed in 1991 than in 1981. Black Hawk was the only county with a decrease greater than 3,000; 10 others had losses from 1,000 to 3,000.

Between 1981 and 1991, employment increased more than 40% in Dickinson and Johnson counties and from 20% to 35% in Dallas, Des Moines, Henry, Jefferson, Louisa, Plymouth, Polk, Winnebago, Winneshiek, and Worth. Percentage declines from 1981 to 1991 of at least 25% occurred in Fremont and Ringgold; 15 others dropped by 10% to 20%.

Unemployment

Unemployment figures for Iowa during this period reflect the economic difficulties encountered by the state in the first half of the 1980s. Unemployment stayed between 57,000 and 59,000 in the late 1970s, but it was 121,000 in 1982 (Table 3). For four of the five years from 1982 through 1986, unemployment was over 100,000. Relatively rapid decreases, especially from 1986 through 1988, brought the figure down to 63,000 in 1990. That was a decline of 47.9% from the period high in 1982. But the number unemployed increased by 7,000 between 1990 and 1991.

Polk had the highest number unemployed (7,700) in 1991. Black Hawk, Linn, and Scott were the only others above 3,000. Eleven counties had from 1,000 to 3,000 unemployed. Twelve counties had fewer than 200 unemployed in 1991; the three lowest were Adams, Audubon, and Osceola with 120 each.

Unemployment in 1991 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 but four counties (Iowa, Louisa, Shelby, Tama) had lower unemployment in 1991 than in 1982, the year of Iowa's highest unemployment.

Although unemployment in Iowa in 1991 was much lower than the high point in 1982, the state's figure was still higher than the levels of unemployment in the 1970s. That was the situation for a majority of the counties also.

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 the late 1970s (4.0%-4.1%) and 1989 (4.3%) or 1990 (4.2%). The state's unemployment rate increased to 4.6% in 1991.

For the counties in 1991, unemployment rates varied from under 2.0% (Johnson, Sioux) to 7.0% or more (Appanoose, Clinton, Davis, Lee, Wapello). Twenty-nine counties ranged from 2.0% to 3.9%, 19 from 4.0% to 4.9%, and 44 from 5.0% to 6.9%.

The unemployment rates in 1991 were much lower than those in 1982, the year of Iowa's highest rate. In 1982, 23 counties had unemployment rates 10.0% or greater, with four (Appanoose, Dubuque, Floyd, Monroe) above 14.0%. In 1991, all counties were below 8.4%. Ninety-four counties had lower unemployment rates in 1991 than they did in 1982. Rates increased in Cass, Fremont, Hardin, Iowa, and Tama when the two years were compared.

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.

Sales Subject to Sales Tax in Iowa's Counties:

1980-1991

Kenneth Stone, Iowa State University
Willis Goudy, Iowa State University

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 1991, this figure had increased to more than \$21 billion. Increases of more than \$1 billion from 1988 to 1989 and from 1989 to 1990 were the largest reported between 1980 and 1991, and that from 1986 to 1987 was only slightly below \$1 billion. Sales subject to sales tax increased by \$879 million from 1990 to 1991. Minor decreases occurred between 1980-1981 and 1985-1986.

Sales varied greatly among Iowa's counties. In 1991, for example, Polk had sales subject to tax of \$4.5 billion, which was more than a fifth (21.1%) of all dollars subject to sales tax in the state. Three other counties (Black Hawk, Linn, Scott) reported at least a billion dollars in sales. Dubuque, Johnson, Pottawattamie, Story, and Woodbury were in the \$500-\$999 million category. More than half (57.5%) of all sales in the state were generated in these nine counties in 1991.

Sales totaled \$100-\$499 million in 30 counties in 1991; sales were \$50-\$99 million in 33 counties and less than \$50 million in the remaining 27. Three counties (Adams, Taylor, Van Buren) had receipts from sales of less than \$20 million in 1991.

When 1981 and 1991 are compared, 66 counties had sales that were greater at the end of the period than the beginning (Figure 1). The greatest increase was in Polk (+\$2.1 billion); Linn's \$728 million gain was the second highest. Another nine counties (Black Hawk, Cerro Gordo, Des Moines, Dubuque, Johnson, Pottawattamie, Scott, Story, Woodbury) reported at least \$100 million more in sales in 1991 than in 1981. Of the 33 counties that declined in sales, 28 dropped by less than \$10 million when 1981 and 1991 are compared. Only Kossuth was down by more than \$15 million in this period, although Calhoun, Franklin, Grundy, and Pocahontas declined by at least \$10 million.

Estimated Gains and Losses in Sales Receipts Subject to Sales Tax

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

Table 1. Sales (in \$1,000s) Subject to Sales Tax in Iowa's Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	41630	40683	40798	41626	42847	42818	42748	44944	48603	47299	45732	46122
Adams	19390	19600	19780	20205	20149	18375	19139	20044	22426	21147	19710	20544
Allamakee	76268	68683	68593	70415	68834	65524	66158	66812	67298	67098	61841	61787
Appanoose	71767	66834	68339	66703	71046	63902	62429	63322	64160	62947	65866	65428
Audubon	32634	28740	28482	29768	28980	30474	33449	34900	37079	33906	33939	38407
Benton	90474	85157	83217	82078	80411	76064	83023	84497	87937	86707	87513	89725
Black Hawk	1063237	1005436	940556	854311	817100	786954	822513	811969	790325	807585	789589	772710
Boone	132792	127000	117378	112314	106344	105799	108035	108428	103032	95100	98033	101264
Bremer	120756	113444	109543	107662	103908	97679	104160	107199	108042	110078	108326	105713
Buchanan	93557	92402	86499	84045	79745	76199	81744	81323	86940	80862	77594	81309
Buena Vista	142795	133518	131636	131353	135676	120949	130724	135402	130199	123003	122209	127355
Butler	53557	51979	53334	54099	54114	55095	56147	59521	63417	62111	58905	61055
Calhoun	42986	46649	62068	72101	56649	47231	49059	53035	56397	55578	56799	59779
Carroll	165652	160253	155566	151356	146098	132817	138373	145997	145810	135468	131918	138155
Cass	97058	93991	92502	91466	91176	89983	99347	99477	100620	95004	97155	96427
Cedar	64865	62519	62293	61762	66642	61130	64041	65441	75801	71742	71293	72972
Cerro Gordo	450533	430451	410350	383790	374668	348247	346906	334994	324798	303631	292656	286525
Cherokee	81155	76089	78368	75565	75319	75530	78129	81172	84826	77383	77344	79824
Chickasaw	57772	55368	56659	57575	62371	55114	59103	61607	64650	65488	63330	67894
Clarke	48344	45941	44588	43367	41534	40153	38561	39612	38831	41525	42492	40470
Clay	146136	141888	138520	129794	128404	118862	130165	136207	136110	136788	137205	136717
Clayton	73662	70078	70007	73354	72332	67642	72654	78598	81423	80203	80647	87199
Clinton	333187	319160	316064	296565	282351	278499	275889	277727	274440	275239	269954	260690
Crawford	88688	84819	83143	83294	83713	79188	81903	82604	83005	77920	78913	80950
Dallas	127506	119478	115311	110024	111437	111386	123929	125069	120607	119091	117625	116938
Davis	33206	30791	31157	30452	30529	30237	28688	28422	29812	30876	29798	29333
Decatur	25956	24149	24668	24262	24037	24456	24871	25147	25550	26367	25971	24699
Delaware	85243	74415	72518	80114	73093	69811	73033	73519	76392	73610	72574	75055
Des Moines	361824	340744	335287	317488	298971	282650	276396	266705	267579	260038	254610	252944
Dickinson	148070	136452	120573	110234	101287	92059	94166	92911	86185	81572	79391	81664
Dubuque	703878	668050	635491	612932	575734	548225	538324	528239	507296	499035	497984	496155
Emmet	74725	73993	71815	67935	69253	61203	61893	67385	64646	67868	69271	67281
Fayette	120073	114107	111876	111273	116063	112084	113015	117588	120125	121387	119314	122679
Floyd	90844	89561	88823	84161	82582	79267	86301	88630	88137	88986	83998	85736
Franklin	53104	50283	54094	56102	62215	52656	57200	57593	67425	66187	67370	68697
Fremont	30904	30549	31573	31947	33648	32154	35844	34468	34197	32951	30393	28359
Greene	52327	52089	51318	50701	51754	50061	53954	57158	57829	54525	56523	59423
Grundy	44610	41951	43334	46217	49093	46414	52791	53636	58373	57640	55654	56226
Guthrie	46637	45106	44591	41138	40133	38801	41808	43702	44011	41238	40488	43751
Hamilton	93027	88007	86618	84391	81930	79313	83581	85720	87310	84114	83164	87868
Hancock	53380	52951	55864	55545	56306	53960	57127	60703	62488	59728	60842	65778
Hardin	121269	114617	113661	116399	114209	114679	120061	125928	126560	123838	124053	128964
Harrison	53677	51358	50229	50925	56228	52951	54147	57513	57228	53888	57502	58310
Henry	126527	117024	116959	112340	110256	97824	96785	93046	94097	87927	87928	89433
Howard	47472	43960	43774	46009	49438	44936	44870	48219	50810	50358	47783	49418
Humboldt	59530	60935	59778	59135	56735	54350	58218	60688	61498	62531	60815	62396
Ida	43658	45565	45270	46455	45619	43127	45025	47134	47047	41097	39781	42423
Iowa	112269	101882	97437	92812	91992	85967	88467	88903	86181	84776	85495	83459
Jackson	94149	85880	84868	83579	84608	82674	83106	84821	84828	82866	82175	82451
Jasper	224584	211708	189793	188372	182496	179167	184622	180871	170856	164412	162003	167233

Table 1. Sales (in \$1,000s) Subject to Sales Tax in Iowa's Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	95047	94566	100221	94971	89634	84470	82374	77579	74412	72195	71759	71203
Johnson	738389	705148	656467	597298	578282	525342	518157	497889	459339	415822	387711	366750
Jones	112409	105949	108813	102412	100147	91007	92454	89342	89620	88015	84458	91639
Keokuk	36145	35445	35652	37943	39859	39090	40714	40782	45875	45873	45019	48967
Kossuth	104626	103791	98556	99967	108226	106197	113328	121174	123847	127761	121319	128373
Lee	263718	251736	245632	239793	241840	228778	230595	222663	223988	218822	215502	209094
Linn	1834635	1737351	1631777	1516450	1439992	1354352	1334752	1246837	1169591	1132107	1106281	1109708
Louisa	29605	29806	30783	29888	31010	33382	33083	32968	36593	35565	36072	34548
Lucas	62313	55286	59295	56229	50918	38341	39960	39997	39632	41618	40424	39551
Lyon	44680	40657	40654	40907	41952	36869	39205	41662	44469	41085	42977	48149
Madison	49925	46773	42930	41419	39102	34052	34359	36101	38461	37487	38359	39185
Mahaska	145140	133378	130331	130564	128008	122890	123501	118403	119015	111827	111709	117659
Marion	161591	156081	153508	148284	141318	134534	131088	126509	122319	119283	114955	118698
Marshall	297446	280758	268442	251609	234886	233698	240047	232617	227858	218573	216640	210844
Mills	42203	40956	39596	39210	41294	38997	39816	40204	40748	38588	37664	37416
Mitchell	51710	47986	46859	49373	49318	44490	47349	49949	51808	50221	49078	52790
Monona	45416	44440	45389	44972	47540	46454	45692	50602	50872	49872	51069	56761
Monroe	36810	35468	33854	32752	32884	31937	31983	32531	30907	31496	30683	31009
Montgomery	87705	86810	85279	79231	73427	68237	71589	72701	67219	67734	67604	67045
Muscatine	272409	261989	249746	233345	220120	218895	230943	225050	216307	212491	197822	186131
O'Brien	86453	86120	88484	90297	85916	74655	77701	81619	83799	80234	77940	83884
Osceola	30326	30639	28905	28885	28410	27595	29411	33807	34031	32469	33167	35583
Page	92622	91696	93088	90483	92594	88822	93216	94414	94741	92808	95825	100857
Palo Alto	42691	41576	41056	40860	43389	41617	43766	48570	51476	49188	49792	51980
Plymouth	119529	112889	109781	107755	105145	97057	99411	99433	97457	92418	91142	96470
Pocahontas	37076	36087	36309	37130	36999	40470	47066	48838	51013	48543	49264	51667
Polk	4502306	4358547	4111700	3765168	3513382	3237590	3070912	2906398	2608614	2466204	2376725	2370263
Pottawattamie	521820	516367	498007	471803	444704	405000	413236	404873	384239	355209	350131	331083
Poweshiek	165222	151782	149521	128647	124048	116806	116584	111770	109707	102023	91512	91625
Ringgold	21318	20106	20100	19984	20260	19643	19047	19758	21107	22428	21279	23230
Sac	53239	50086	49432	48747	49668	47535	52836	55206	61277	57532	59094	65781
Scott	1497100	1481015	1294922	1252558	1188962	1158113	1155406	1078089	1019768	1009623	975293	947266
Shelby	67623	64635	65548	64526	65588	63798	64640	67773	71355	66797	66608	69731
Sioux	167023	151036	139978	136838	133378	124423	132152	139892	140755	134004	131772	144055
Story	514331	478348	450646	428724	414177	394299	382423	370258	355057	335070	323558	311719
Tama	74844	73588	72919	71343	79626	76471	75440	80291	82725	82449	81227	86014
Taylor	18782	17669	17514	17964	19563	18726	19580	21649	23229	23800	23175	25781
Union	85367	75755	71149	71173	70111	68016	66582	67832	68050	65517	64792	67752
Van Buren	19147	18889	16667	16448	16265	17211	18128	17141	17923	19060	21068	22356
Wapello	263945	247915	215842	201028	197748	200234	202055	193091	188781	179792	185458	178592
Warren	117155	103684	98670	92747	88740	86646	86648	84468	81136	79895	76172	78876
Washington	112964	104245	101002	105772	103420	98898	103264	101910	107640	101395	99450	103438
Wayne	22066	21005	20549	20307	21015	21198	20856	21075	23491	25248	24556	27062
Webster	374260	377872	317645	298096	306071	293803	304707	301798	297795	288763	290808	298213
Winnebago	61605	60232	59411	56784	57722	54815	57501	59349	56281	54153	54685	56870
Winneshiek	123919	116184	110092	107402	102934	91329	91095	89734	91174	89851	85230	83811
Woodbury	868587	847458	810994	763298	725923	691962	697824	684745	660299	632564	611872	594253
Worth	21766	21090	21978	22302	27722	31415	24061	26370	29524	27631	30134	33565
Wright	78197	73896	71520	72469	72790	73380	79513	86141	89211	91243	85481	87188
State of Iowa	21290549	20411072	19382176	18381665	17706084	16728179	16788671	16460402	15927771	15393064	15055783	15090179

Table 2. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-15587	-11108	-7484	-3624	-2380	-1192	-1948	1519	7668	-1960	-1567	-6037
Adams	-10840	-9064	-7501	-5428	-5789	-7097	-5598	-5524	-2516	-3638	-5411	-6620
Allamakee	5708	1125	4105	8586	6848	4421	5822	9597	9716	-1154	-5635	-6566
Appanoose	-7803	-8946	-4788	-4077	3850	-3119	-5235	-4212	-2552	-8361	-1469	-5496
Audubon	-8609	-8556	-6813	-5497	-5899	-4167	39	1331	3587	-9797	-10093	-6005
Benton	-60459	-60822	-54093	-48480	-50532	-51361	-44155	-42292	-35989	-39397	-39561	-38038
Black Hawk	-81401	-63826	-85799	-82300	-82269	-65907	-64851	-74958	-87152	17688	16288	25000
Boone	-61215	-60169	-59974	-57959	-58700	-50856	-50459	-50503	-46567	-43353	-36717	-36017
Bremer	-72238	-68173	-66577	-60540	-50322	-51065	-42767	-38036	-31572	-22006	-21109	-25360
Buchanan	-42955	-37048	-37376	-35216	-40877	-37185	-32826	-34189	-24118	-32791	-35303	-28628
Buena Vista	12880	7912	14265	14878	21411	13179	25723	30087	28938	3524	6063	10814
Butler	-46992	-39318	-34122	-31401	-29626	-26912	-26791	-22507	-17582	-32149	-34105	-37113
Calhoun	-35192	-28817	-9466	4717	-5354	-14625	-13364	-11105	-6294	-14187	-11755	-11132
Carroll	30337	30173	30763	28482	26014	14985	20588	30483	36993	15768	16576	24330
Cass	-9603	-12018	-10397	-6263	690	-324	10118	13744	17145	-3284	-2326	-2518
Cedar	-43932	-50847	-44767	-43351	-36739	-38562	-35827	-33964	-23593	-36216	-37753	-30426
Cerro Gordo	82667	74953	74874	59267	56135	47955	44320	36668	35711	45948	27378	28155
Cherokee	-13782	-18210	-11297	-13468	-6874	-2731	-926	1305	5357	-7683	-6675	-299
Chickasaw	-21499	-23202	-17922	-17826	-7721	-11996	-8893	-5553	1210	-10434	-8158	-3544
Clarke	-1399	-3037	-282	882	2212	3686	1467	2676	2829	-3875	-2972	-6403
Clay	20557	21720	21789	18007	14382	5097	15111	24298	32865	7466	7502	12851
Clayton	-43456	-46103	-41705	-31858	-24350	-26428	-20110	-12182	-9380	-15030	-14073	-4642
Clinton	-64719	-60504	-46729	-57106	-55071	-45735	-42205	-40095	-45796	-35126	-31470	-43386
Crawford	-6411	-11848	-11485	-6679	-6462	-8248	-5605	-2330	-2889	-6854	-4274	-4496
Dallas	-81856	-100640	-87379	-73802	-71499	-60774	-48969	-51101	-54466	-53530	-47934	-51380
Davis	-15612	-17055	-15331	-13274	-9017	-8009	-9931	-8666	-5266	-6641	-7474	-10790
Decatur	-22507	-22186	-20284	-19372	-16386	-13230	-13362	-12471	-9905	-5141	-4840	-8091
Delaware	-30346	-37042	-33777	-21302	-23751	-21247	-16401	-14144	-7072	-20767	-22611	-23758
Des Moines	558	-8438	5687	6733	-5338	589	-8527	-5402	8393	25426	20073	19666
Dickinson	21899	24416	15430	5845	-978	-10160	-9251	-5857	-7224	-3925	-756	2532
Dubuque	73430	66496	53650	60269	55210	53155	27242	42117	19746	-9044	-4669	16814
Emmet	5066	5890	5332	3877	3697	-5251	-4054	4376	-836	8090	10011	6828
Fayette	-19536	-24563	-19769	-18468	-6737	-6332	-5519	476	3952	9184	9775	10664
Floyd	-20987	-22463	-16066	-16596	-12810	-13580	-7739	-254	-1846	-16970	-23113	-25843
Franklin	-25728	-28459	-11539	-21891	-11084	-19106	-15511	-14504	-4888	-3310	-1979	-9446
Fremont	-23331	-31115	-27293	-22457	-18617	-17389	-14199	-11330	-7502	-17102	-17640	-15696
Greene	-22302	-22424	-21052	-19778	-13697	-15441	-12422	-6409	-3206	-18472	-17049	-18741
Grundy	-53368	-57843	-51109	-45321	-45282	-41905	-35643	-34460	-24096	-23773	-24653	-26118
Guthrie	-22352	-20198	-17910	-17986	-15706	-14033	-11604	-9294	-6902	-15818	-15416	-20131
Hamilton	-27743	-25847	-21441	-18130	-20395	-14841	-13171	-7362	-1492	-4715	-2069	1250
Hancock	-36815	-39821	-30559	-30040	-21922	-21221	-17805	-13454	-7688	-12058	-11813	-9812
Hardin	-17989	-16015	-14864	-9345	-354	4259	12854	16830	20665	7303	9542	15762
Harrison	-28473	-33223	-29339	-23923	-16880	-17769	-17008	-14136	-9682	-24507	-21294	-21596
Henry	-22626	-16939	-12252	-5124	-1812	-6012	-8237	-8847	-2566	-10837	-12312	-10032
Howard	-12857	-15319	-12680	-7166	-5714	-6679	-6113	-1786	1718	-7933	-8314	-10325
Humboldt	-15372	-15472	-14376	-14297	-10773	-11433	-6786	-5670	-3906	-7544	-8442	-3046
Ia	-7465	-5704	-3802	-2530	-631	637	3364	5071	7665	-20799	-19568	-18982
Iowa	1941	-2325	-3171	-3112	2796	236	2500	4002	7913	14946	19686	21315
Jackson	-33090	-38474	-35543	-35144	-32129	-25746	-26500	-22803	-21588	-23278	-19386	-23381
Jasper	-42244	-40184	-54196	-32917	-38518	-28452	-25290	-31751	-25976	-33756	-34129	-33556

Table 2. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	-32784	-29354	-19769	-16159	-11427	-10253	-7267	-6032	-4448	-9158	-10312	-12984
Johnson	-91975	-1986	-8217	-30179	-34941	-48404	-58068	-81556	-85811	-1439	-8377	-8604
Jones	-7621	-11601	-3493	-6439	-8345	-13465	-11714	-7002	-1648	-9313	-9049	734
Keokuk	-39650	-35700	-34226	-27545	-26640	-21241	-20455	-20688	-13445	-17945	-18845	-18240
Kossuth	-14523	-12389	-12625	-7446	2120	2466	10140	19277	20964	1725	-924	-3365
Lee	-23041	-48691	-40294	-35667	-27173	-27916	-27162	-20582	-8123	8231	12366	3846
Linn	266102	261500	250586	206506	214210	197756	174326	90251	70938	145819	150123	185534
Louisa	-59302	-53519	-50194	-44099	-43856	-36763	-38155	-40592	-30713	-26367	-21836	-21054
Lucas	7700	-2260	3324	3568	-3670	-12145	-11342	-12038	-10215	-19068	-17653	-24318
Lyon	-14951	-15912	-13617	-11680	-9643	-14592	-11884	-10041	-7421	-21118	-17543	-10823
Madison	-27318	-22123	-21526	-20535	-22612	-23691	-25338	-24301	-17866	-20735	-20347	-27159
Mahaska	10962	707	3073	6251	4740	3672	4110	3315	7824	3756	8815	12960
Marion	-68509	-55318	-49139	-35555	-40122	-32213	-38524	-34744	-32786	-41278	-36278	-43528
Marshall	-30077	-35737	-38280	-46884	-48750	-32219	-30409	-40528	-32253	-3973	-3063	-7538
Mills	-43046	-39001	-37645	-37319	-36146	-35075	-35647	-28652	-25512	-39155	-35410	-40930
Mitchell	-20893	-22620	-20091	-15491	-10989	-14021	-10711	-9354	-2503	-6923	-8868	-2845
Monona	-11999	-13193	-9081	-6054	-5030	-2541	-3911	1492	2302	-16639	-13381	-12961
Monroe	-28405	-26945	-26262	-23580	-19162	-15529	-13495	-11715	-14635	-8762	-9207	-10768
Montgomery	6514	4004	5988	-1178	-7555	-11640	-3746	-1270	-1539	-12197	-11802	-13195
Muscatine	-77917	-79004	-75299	-69815	-61457	-48835	-38459	-38712	-39034	-8927	-16992	-32503
O'Brien	-12490	-6516	-845	4948	3955	-4355	-2058	2052	5171	-3609	-2902	-2413
Osceola	-14799	-13666	-14277	-12046	-11319	-9132	-7683	-4286	-3916	-5867	-3504	2470
Page	-28711	-30683	-23605	-24066	-14980	-13948	-8253	-5490	-2636	-3624	1575	-9081
Palo Alto	-25830	-24145	-22550	-21349	-19462	-19268	-16365	-12197	-8304	-20299	-15429	-14314
Plymouth	-27996	-37152	-20376	-22543	-20665	-20880	-19852	-22688	-19920	-30861	-24573	-17397
Pocahontas	-32486	-32004	-27903	-25592	-25275	-17664	-10225	-5718	-812	-8673	-7131	-9354
Polk	1452751	1462979	1382012	1217786	1111732	989264	837666	747005	538291	606013	561695	589259
Pottawattamie	-159867	-154371	-134091	-118807	-99258	-111979	-104770	-95434	-99869	-89447	-82204	-94868
Poweshiek	22607	21352	24176	11531	10153	10414	8766	7418	12185	-21735	-26711	-33344
Ringgold	-5487	-5798	-3981	-3705	-4804	-3399	-4366	-3452	-2013	-6424	-7685	-8684
Sac	-17687	-17169	-16305	-14298	-15330	-16501	-9419	-7435	-1332	-15567	-13466	-14396
Scott	181504	151174	30598	63728	21236	51585	46640	37172	-27347	50777	44764	55894
Shelby	-17503	-21917	-18495	-15957	-8672	-8835	-8873	-6690	2940	-4267	-4078	-1118
Sioux	-1488	-18588	-20539	-21724	-12943	-14765	-4480	4483	7575	-4991	-6090	6023
Story	-91753	-73015	-74510	-84122	-74740	-68761	-74982	-90651	-80768	-66389	-56535	-60690
Tama	-42892	-31503	-27613	-29535	-20428	-19456	-18656	-11606	-7910	-22921	-20953	-27051
Taylor	-21524	-22321	-21628	-18312	-14282	-14591	-13415	-11823	-9338	-12706	-12984	-11012
Union	-9299	-13214	-14655	-11812	-8445	-5096	-7504	-5449	-1898	856	2051	2188
Van Buren	-22020	-21852	-22033	-21543	-19187	-15744	-14422	-15227	-13032	-17414	-15506	-17999
Wapello	6015	3023	-24946	-22935	-28349	-17654	-18324	-14504	-24335	-17082	-14353	-22937
Warren	-154283	-171938	-162358	-150357	-149083	-132736	-131972	-131271	-136174	-89287	-86903	-81816
Washington	-20460	-24338	-21594	-10000	-14151	-12425	-7743	-2147	4738	-5300	-6838	-1619
Wayne	-15619	-13072	-12369	-10732	-11374	-9028	-9801	-9945	-6618	-9430	-9174	-16044
Webster	97200	109204	60587	52679	57349	55016	62365	64276	57389	44230	50626	65552
Winnebago	-38744	-36063	-32055	-35279	-30225	-26785	-23452	-15758	-12705	-4490	-3872	-12383
Winneshiek	-9046	-14215	-12785	-9823	-13243	-19654	-21200	-18309	-7269	-16601	-17999	-25675
Woodbury	156060	165558	173233	164729	131875	128343	129898	110003	95477	99230	91916	40506
Worth	-38350	-38672	-32149	-29505	-24631	-17001	-23742	-19297	-12571	-19633	-15270	-14474
Wright	-49628	-55168	-51780	-45708	-44471	-38660	-28408	-10228	-3246	-14151	-20051	-21821

Sales above what would be expected from the state average occurred in 20 counties in 1991 (Table 2, Figure 2). These counties are serving residents substantially in excess of those living within their own boundaries. These additional sales ranged from less than \$10 million in seven counties to nearly \$1.5 billion in Polk. Three other counties (Linn, Scott, Woodbury) had figures at least \$100 million above those expected when population is factored into the calculations.

The remaining 79 counties had sales that were lower than their population bases would suggest. Eleven lost sales of less than \$10 million, 54 were \$10-\$49 million lower than expected, and 14 were down at least \$50 million in expected sales. Only Pottawattamie and Warren counties had sales at least \$100 million less than expected; both are near major metropolitan centers that most likely captured much of that leakage.

Figure 1. Change in sales subject to sales tax, 1981 to 1991.

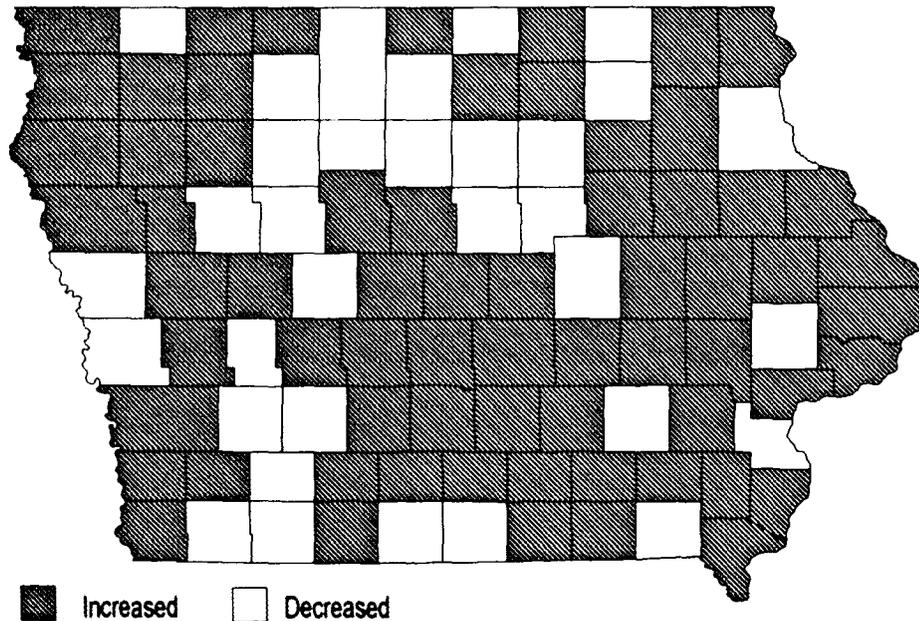
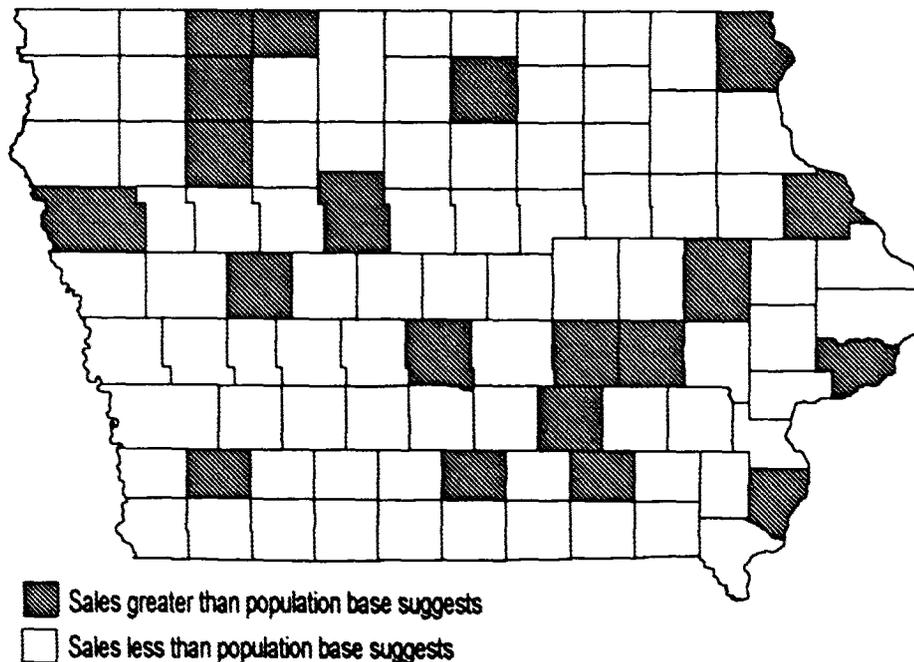


Figure 2. Sales subject to sales tax compared with population base, 1991.



Number and Size of Farms in Iowa's Counties:

1975-1991

Duane Skow, Iowa Department of Agriculture and Land Stewardship
 Willis Goudy, Iowa State University
 Howard Holden, Iowa Department of Agriculture and Land Stewardship

Each year, the Iowa Department of Agriculture and Land Stewardship estimates the number of farms in Iowa's counties. The 102,000 farms reported for 1991 represented a decrease of 2,000 from the total in 1990. Since 1975, when this series of estimates was initiated, farm numbers have declined by 28,000 (Table 1, Figure 1)). Average size in acres has increased from 262 in 1975 to 328 in 1991, a gain of 66 acres over the 17-year period (Table 2, Figure 2).

Number of Farms

The number of farms declined in all 99 counties from 1975 to 1991. More than a third (36) of the counties reported decreases of 300 or more farms by the end of the period; 52 decreased from 200 to 299, and the remaining 11 lost fewer than 200 farms. Three counties (Adams, Dickinson, Fremont) declined by fewer than 150 farms between 1975 and 1991; eight others (Clayton, Fayette, Jefferson, Kossuth, Pottawattamie, Wapello, Winneshiek, Woodbury) had at least 400 fewer farms in 1991 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 1991, although Sioux was close at 1,950. The number of Iowa's farms decreased by 20.0% from 1975 to 1990 (Table 3). The drop was less than 10% in Sioux, although it topped 30% in Jefferson, Wapello, and Woodbury. At least 25% fewer farms were counted in another 13 counties. In the most recent comparison (1990-1991), farms were down 1.9% in the state; decreases were at least 2.5% in 18 counties.

Patterns for counties tended to be similar to that for the state, with 55 counties reporting greater percentage decreases in the late 1970s than the early 1980s. For 43 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 (51) or early 1980s (32), 14 had their greatest decreases in the late 1980s.

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 1991. Only six counties had gains that were less than 40 acres, while 27 counties added at least 80 acres to the average size between 1975 and 1991. On an annual basis, of course, changes tend to be small; from 1990 to 1991, for example, 32 counties gained five acres or less in average size.

Average farm size increased by 22.9% from 1975 to 1990 (Table 3). Only two counties (Carroll, Sioux) reported increases less than 10%. Three had increases of at least 40% (Jefferson, +46.4%; Wapello, +53.8%; Woodbury, 41.0%); 14 others had averages at least 30% higher in 1990 than in 1975. Much of the gain in Jefferson and Wapello occurred from 1975 to 1980; Davis and Lee counties also had substantial increases those years. Percentage gains for many counties were much lower in the periods after the late 1970s.

Table 1. Number of Farms in Iowa Counties, 1975-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Adair	940	960	960	980	980	1010	1030	1040	1050	1080	1080	1090	1110	1130	1140	1150	1170
Adams	670	680	680	700	700	720	720	730	730	750	750	750	760	780	790	790	790
Allamakee	1040	1060	1090	1090	1090	1110	1120	1120	1130	1150	1180	1180	1200	1210	1230	1280	1360
Appanoose	850	870	870	890	890	890	890	900	900	930	960	990	990	1000	1040	1080	1140
Audubon	830	850	860	870	870	880	890	900	910	920	940	960	980	1000	1010	1010	1060
Benton	1400	1430	1450	1470	1470	1490	1520	1570	1580	1590	1590	1600	1620	1650	1650	1650	1650
Black Hawk	1240	1260	1270	1300	1300	1320	1330	1330	1340	1370	1370	1380	1400	1410	1460	1520	1560
Boone	990	1010	1010	1040	1040	1050	1080	1110	1140	1170	1180	1190	1210	1250	1280	1310	1340
Bremer	1120	1140	1150	1170	1170	1190	1210	1240	1280	1300	1300	1300	1310	1390	1390	1410	1480
Buchanan	1290	1320	1330	1360	1360	1380	1390	1390	1400	1420	1460	1490	1510	1510	1570	1620	1670
Buena Vista	1060	1070	1070	1120	1120	1150	1170	1180	1190	1210	1240	1250	1250	1280	1280	1300	1300
Butler	1260	1290	1310	1320	1320	1340	1380	1420	1460	1490	1510	1510	1520	1520	1550	1590	1600
Calhoun	960	980	990	1010	1010	1040	1080	1110	1170	1180	1180	1180	1190	1220	1220	1220	1250
Carroll	1280	1290	1290	1350	1350	1370	1390	1390	1400	1420	1420	1420	1430	1430	1430	1430	1440
Cass	910	930	930	950	950	980	1000	1050	1080	1100	1100	1110	1140	1150	1160	1160	1160
Cedar	1140	1170	1170	1200	1200	1220	1240	1280	1320	1330	1330	1340	1360	1400	1400	1400	1420
Cerro Gordo	910	930	940	950	950	970	1000	1020	1040	1050	1050	1060	1080	1120	1120	1120	1130
Cherokee	1060	1090	1090	1110	1110	1140	1170	1210	1220	1220	1220	1230	1240	1260	1260	1260	1260
Chickasaw	1030	1050	1070	1080	1080	1100	1110	1130	1170	1200	1200	1200	1210	1220	1220	1260	1350
Clarke	680	690	700	710	710	730	740	750	770	780	780	790	810	820	850	850	850
Clay	850	870	880	890	890	910	950	1000	1050	1060	1060	1070	1080	1100	1100	1100	1100
Clayton	1610	1660	1690	1700	1700	1710	1710	1710	1720	1750	1810	1830	1850	1850	1930	1990	2110
Clinton	1400	1430	1450	1470	1470	1490	1520	1550	1560	1590	1620	1640	1640	1660	1660	1680	1760
Crawford	1310	1330	1350	1370	1370	1400	1450	1490	1510	1540	1560	1560	1570	1590	1680	1680	1690
Dallas	1050	1070	1080	1100	1100	1110	1140	1170	1200	1220	1220	1220	1230	1270	1270	1270	1290
Davis	900	910	920	940	940	940	940	940	950	970	990	1000	1040	1040	1090	1170	1250
Decatur	700	710	720	730	730	750	760	760	770	780	790	790	810	820	850	880	910
Delaware	1390	1420	1430	1460	1460	1460	1460	1460	1470	1500	1500	1500	1510	1530	1560	1610	1700
Des Moines	730	750	750	770	770	790	800	800	810	830	830	840	890	890	930	930	930
Dickinson	580	590	600	610	610	620	640	640	650	670	680	690	700	700	700	710	710
Dubuque	1600	1630	1660	1680	1680	1690	1690	1690	1700	1730	1730	1730	1740	1740	1780	1850	1880
Emmet	590	600	610	620	620	630	650	680	710	720	740	740	750	760	760	770	770
Fayette	1470	1500	1510	1540	1540	1570	1590	1620	1630	1660	1700	1730	1770	1780	1880	1970	2060

Table 1. Number of Farms in Iowa Counties, 1975-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Floyd	960	980	990	1010	1010	1030	1050	1070	1090	1110	1120	1120	1130	1140	1170	1200	1230
Franklin	980	1000	1020	1030	1030	1050	1080	1120	1160	1180	1180	1190	1210	1260	1260	1260	1310
Fremont	700	710	710	730	730	750	750	760	760	780	780	790	800	830	840	840	840
Greene	930	940	950	970	970	1000	1030	1050	1060	1070	1070	1090	1100	1130	1130	1130	1130
Grundy	1000	1020	1020	1050	1050	1060	1090	1110	1120	1150	1160	1170	1180	1230	1260	1260	1270
Guthrie	930	960	980	980	980	1010	1050	1080	1110	1120	1120	1120	1130	1160	1180	1190	1280
Hamilton	990	1010	1020	1040	1040	1060	1080	1110	1150	1170	1190	1210	1240	1290	1290	1300	1330
Hancock	1020	1040	1050	1070	1070	1090	1120	1150	1170	1190	1210	1220	1230	1280	1280	1310	1360
Hardin	1030	1050	1060	1080	1080	1100	1120	1160	1200	1220	1220	1230	1250	1280	1290	1290	1290
Harrison	1000	1020	1050	1050	1050	1080	1120	1160	1190	1210	1220	1240	1250	1280	1310	1320	1370
Henry	870	880	890	910	910	930	950	950	960	980	980	990	1050	1070	1120	1120	1120
Howard	920	930	950	960	960	980	990	1010	1050	1070	1070	1070	1080	1110	1110	1160	1220
Humboldt	720	730	730	770	770	780	800	820	840	860	860	870	870	900	900	900	920
Ida	760	780	790	800	800	820	840	860	870	890	890	900	900	920	930	930	960
Iowa	1030	1050	1070	1080	1080	1100	1120	1130	1140	1170	1180	1190	1200	1210	1210	1220	1280
Jackson	1320	1340	1360	1380	1380	1400	1400	1400	1410	1440	1460	1460	1470	1470	1470	1500	1570
Jasper	1420	1430	1440	1480	1480	1500	1530	1550	1580	1610	1610	1620	1630	1680	1690	1690	1690
Jefferson	750	770	780	790	790	810	830	860	890	910	920	930	1000	1010	1060	1110	1150
Johnson	1330	1350	1370	1390	1390	1410	1440	1480	1500	1520	1520	1530	1540	1560	1560	1560	1560
Jones	1130	1160	1170	1190	1190	1210	1230	1270	1300	1320	1360	1360	1360	1370	1370	1410	1470
Keokuk	1000	1020	1030	1050	1050	1070	1100	1140	1190	1210	1210	1220	1300	1310	1380	1380	1380
Kossuth	1670	1700	1710	1750	1750	1780	1820	1860	1880	1910	1920	1940	1970	2030	2030	2060	2130
Lee	960	980	990	1010	1010	1030	1050	1050	1060	1080	1080	1080	1130	1140	1200	1250	1310
Linn	1630	1660	1670	1710	1710	1740	1760	1790	1800	1820	1820	1830	1840	1860	1860	1860	1870
Louise	610	630	640	640	640	650	670	680	700	710	710	720	780	790	830	830	830
Lucas	670	680	680	700	700	720	730	740	770	790	800	840	850	850	880	920	950
Lyon	1200	1230	1240	1260	1260	1290	1320	1360	1390	1410	1420	1420	1430	1430	1430	1440	1440
Madison	1030	1050	1060	1080	1080	1110	1120	1130	1150	1180	1200	1250	1260	1270	1320	1360	1390
Mahaska	1150	1160	1170	1200	1200	1220	1240	1250	1260	1280	1290	1290	1360	1370	1440	1470	1520
Marion	1090	1120	1120	1150	1150	1180	1190	1210	1230	1250	1250	1260	1350	1370	1420	1420	1420
Marshall	1040	1060	1070	1090	1090	1110	1130	1160	1190	1220	1230	1230	1240	1240	1250	1280	1320
Mills	620	640	650	650	650	670	670	680	680	690	700	740	750	790	800	800	800
Mitchell	920	940	940	960	960	980	990	1000	1010	1020	1020	1030	1050	1060	1090	1100	1140

Table 1. Number of Farms in Iowa Counties, 1975-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Monona	830	850	870	870	870	880	910	920	930	950	970	1000	1000	1050	1050	1050	1080
Monroe	720	730	730	750	750	750	750	750	760	770	780	810	830	830	860	900	930
Montgomery	680	690	690	710	710	730	740	760	760	780	780	790	790	790	800	820	840
Muscatine	880	890	910	920	920	930	940	970	1000	1010	1010	1030	1040	1050	1050	1050	1050
O'Brien	1190	1200	1200	1260	1260	1290	1320	1330	1340	1360	1360	1360	1370	1380	1380	1380	1380
Osceola	720	730	740	750	750	770	790	820	840	850	850	850	860	860	860	870	870
Page	970	980	980	1030	1030	1040	1040	1050	1050	1070	1070	1080	1090	1160	1170	1170	1170
Palo Alto	910	920	940	950	950	980	1000	1010	1020	1040	1050	1070	1070	1100	1100	1110	1110
Plymouth	1690	1740	1740	1770	1770	1810	1830	1870	1880	1900	1910	1920	1930	1950	1950	1970	1970
Pocahontas	970	990	1000	1010	1010	1040	1070	1100	1110	1130	1140	1160	1170	1180	1180	1190	1190
Polk	970	990	1010	1020	1020	1040	1060	1080	1100	1120	1140	1140	1150	1150	1170	1240	1340
Pottawattamie	1580	1620	1630	1670	1670	1700	1730	1780	1810	1850	1900	1900	1900	1900	1920	1960	2000
Poweshiek	1010	1030	1050	1060	1060	1080	1100	1130	1140	1170	1180	1190	1200	1220	1250	1270	1300
Ringgold	680	690	700	710	710	730	740	750	770	800	810	820	860	870	900	910	930
Sac	1010	1020	1020	1060	1060	1090	1120	1140	1150	1160	1160	1160	1160	1190	1190	1190	1240
Scott	940	960	980	990	990	1010	1030	1060	1090	1110	1110	1120	1130	1170	1170	1170	1170
Shelby	1140	1170	1180	1200	1200	1230	1270	1300	1320	1340	1340	1340	1350	1370	1370	1370	1370
Sioux	1950	1990	1990	2050	2050	2070	2090	2100	2100	2130	2130	2140	2150	2200	2200	2200	2200
Story	1110	1130	1130	1160	1160	1180	1210	1230	1240	1250	1250	1260	1280	1340	1360	1360	1360
Tama	1360	1390	1390	1430	1430	1450	1480	1480	1490	1530	1550	1560	1600	1630	1660	1700	1740
Taylor	750	760	770	780	780	800	820	850	880	900	940	950	960	970	980	1010	1030
Union	670	680	690	700	700	720	730	740	770	780	780	790	860	870	900	900	900
Van Buren	760	780	780	800	800	820	840	850	880	900	910	930	970	990	1040	1080	1110
Wapello	870	880	890	910	910	930	950	950	960	970	1020	1020	1040	1040	1090	1240	1380
Warren	1240	1270	1290	1320	1320	1340	1360	1370	1390	1410	1410	1420	1470	1480	1530	1530	1530
Washington	1120	1150	1160	1180	1180	1210	1230	1230	1240	1260	1260	1280	1340	1350	1420	1420	1420
Wayne	730	740	740	760	760	780	790	800	820	830	840	840	910	920	950	950	950
Webster	1190	1220	1220	1250	1250	1260	1280	1310	1350	1370	1370	1380	1390	1420	1430	1430	1430
Winnebago	730	740	740	760	760	770	790	810	840	860	870	880	910	930	930	930	960
Winneshiek	1580	1620	1650	1660	1660	1690	1700	1700	1710	1750	1780	1790	1820	1850	1870	1930	2010
Woodbury	1320	1350	1370	1370	1370	1400	1450	1500	1580	1600	1630	1630	1640	1660	1700	1780	1930
Worth	650	660	680	680	680	690	730	760	800	810	830	840	860	870	870	880	910
Wright	860	880	890	900	900	920	940	970	1010	1020	1030	1040	1070	1090	1100	1150	1210
State of Iowa	102000	104000	105000	107000	107000	109000	111000	113000	115000	117000	118000	119000	121000	123000	125000	127000	130000

Table 2. Average Size (in Acres) of Farms in Iowa Counties, 1975-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Adair	378	370	370	363	363	353	346	343	340	331	331	329	323	317	314	313	309
Adams	394	389	389	378	378	368	368	363	364	354	354	355	350	341	337	338	340
Allamakee	359	352	343	343	343	337	334	334	332	326	318	319	313	311	306	295	279
Appanoose	337	330	330	322	322	325	325	322	323	312	302	294	294	291	280	270	258
Audubon	334	326	323	319	319	315	312	308	306	303	296	291	285	279	276	277	266
Benton	309	302	298	294	294	292	286	277	276	274	274	273	270	265	265	266	267
Black Hawk	247	243	241	236	236	234	232	232	231	226	226	225	222	220	213	205	201
Boone	335	328	328	319	319	321	312	304	297	289	287	285	280	272	265	260	256
Bremer	232	228	226	222	222	219	215	210	204	201	201	201	200	188	188	186	178
Buchanan	268	262	260	254	254	251	249	249	248	244	238	234	230	230	222	215	210
Buena Vista	331	328	328	314	314	306	301	298	297	292	285	283	283	276	276	273	275
Butler	280	273	269	267	267	263	256	249	243	238	235	235	234	234	229	224	224
Calhoun	365	358	354	347	347	338	326	317	302	299	299	300	297	290	290	291	286
Carroll	274	272	272	260	260	256	253	253	252	248	248	249	247	247	247	248	248
Cass	381	373	373	365	365	354	347	330	322	316	316	315	306	304	301	302	304
Cedar	308	300	300	293	293	289	284	275	268	265	265	264	260	253	253	254	252
Cerro Gordo	369	362	358	354	354	349	338	332	326	323	323	321	315	304	304	305	304
Cherokee	335	326	326	320	320	312	304	294	293	293	293	291	289	284	284	285	287
Chickasaw	296	291	285	283	283	277	275	270	262	255	255	256	254	252	252	244	229
Clarke	388	382	377	372	372	362	357	352	344	340	340	336	328	324	313	314	316
Clay	406	397	392	388	388	380	364	346	330	327	327	325	322	316	316	317	319
Clayton	289	280	275	274	274	272	272	272	271	267	258	256	253	253	243	236	224
Clinton	292	286	282	278	278	275	269	264	263	258	253	251	251	248	248	246	236
Crawford	338	333	328	323	323	317	306	298	295	289	286	287	285	281	266	267	267
Dallas	329	323	320	314	314	311	303	295	289	284	284	285	283	274	274	275	272
Davis	349	345	341	334	334	330	330	330	328	321	315	313	300	300	287	268	252
Decatur	464	458	452	445	445	433	428	428	423	418	413	414	404	399	385	373	363
Delaware	251	246	244	239	239	239	239	239	238	233	233	234	232	229	225	219	208
Des Moines	299	291	291	284	284	277	273	273	271	264	264	262	247	247	236	237	238
Dickinson	387	381	375	368	368	366	354	354	350	339	334	331	326	326	326	322	324
Dubuque	218	214	210	207	207	206	206	206	206	202	202	203	201	201	197	190	188
Emmet	407	401	394	388	388	382	370	354	340	336	326	327	323	319	319	316	317
Fayette	300	294	292	286	286	281	277	272	271	267	260	257	251	249	236	226	217

Table 2. Average Size (in Acres) of Farms in Iowa Counties, 1975-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Floyd	315	309	306	300	300	295	289	284	279	274	272	273	270	268	261	255	250
Franklin	365	357	350	347	347	341	332	320	310	304	304	303	298	286	286	287	277
Fremont	445	439	439	427	427	417	417	412	413	402	402	398	393	379	375	376	378
Greene	381	377	373	365	365	354	344	338	335	332	332	327	324	315	315	316	318
Grundy	313	307	307	298	298	295	287	282	280	273	270	269	267	256	250	250	250
Guthrie	391	379	371	371	371	361	347	337	329	326	326	327	324	316	311	309	289
Hamilton	354	347	344	337	337	331	325	316	306	301	296	291	284	273	273	272	268
Hancock	342	336	333	326	326	321	313	304	300	295	290	289	286	275	275	270	261
Hardin	338	330	327	321	321	316	310	299	290	285	285	284	279	273	271	272	273
Harrison	422	414	402	402	402	394	379	366	358	352	349	345	342	334	326	325	315
Henry	301	298	294	288	288	282	276	276	274	268	268	267	251	247	236	236	238
Howard	313	310	304	300	300	294	291	286	276	270	270	271	269	261	261	251	240
Humboldt	371	366	366	347	347	343	334	326	319	312	312	309	309	299	299	300	295
Ida	353	344	339	335	335	327	320	312	309	302	302	300	300	293	290	291	284
Iowa	350	343	337	334	334	328	322	320	318	309	307	305	303	300	300	299	286
Jackson	287	282	278	274	274	271	271	271	269	264	260	261	259	259	259	255	245
Jasper	309	307	305	296	296	293	287	283	279	274	274	273	271	263	262	262	264
Jefferson	350	341	336	332	332	325	317	306	297	290	287	285	265	262	250	239	233
Johnson	248	244	241	237	237	240	235	228	226	223	223	222	221	218	218	218	220
Jones	308	300	298	293	293	288	284	275	269	265	257	258	258	256	256	250	241
Keokuk	356	349	346	339	339	333	324	313	300	295	295	294	276	274	260	261	262
Kossuth	359	352	350	342	342	337	330	323	320	315	314	311	307	297	297	294	286
Lee	307	301	298	292	292	286	281	281	279	274	274	275	262	260	247	238	228
Linn	238	233	232	226	226	224	221	218	217	215	215	214	213	211	211	211	211
Louisa	380	368	363	363	363	359	348	343	334	330	330	326	301	297	283	284	285
Lucas	375	369	369	359	359	355	350	345	333	324	320	306	302	302	292	280	273
Lyon	302	295	293	288	288	282	275	267	262	258	257	257	256	256	256	255	256
Madison	337	331	328	322	322	313	310	307	303	295	290	280	277	275	265	258	254
Mahaska	302	299	297	289	289	288	283	281	279	275	273	274	259	258	245	241	234
Marion	279	271	271	264	264	262	259	255	252	248	248	247	230	227	219	219	221
Marshall	331	325	322	316	316	310	305	297	290	283	281	282	279	279	277	271	265
Mills	431	418	411	411	411	399	399	393	394	388	383	363	358	340	336	337	339
Mitchell	313	306	306	300	300	295	292	289	287	284	284	282	277	274	266	265	257

Table 2. Average Size (in Acres) of Farms in Iowa Counties, 1975-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Monona	504	492	481	481	481	479	463	458	454	445	436	424	424	404	404	405	396
Monroe	367	362	362	352	352	352	352	352	349	344	340	328	320	320	309	296	288
Montgomery	383	377	377	367	367	357	352	343	344	335	335	332	332	332	328	321	315
Muscatine	284	281	275	272	272	269	266	258	251	249	249	245	242	240	240	241	242
O'Brien	296	294	294	280	280	273	267	265	264	260	260	261	259	257	257	258	259
Osceola	341	336	332	327	327	320	312	301	294	291	291	292	288	288	288	286	288
Page	337	334	334	318	318	316	316	313	314	308	308	306	303	285	283	283	285
Palo Alto	383	379	371	367	367	356	349	345	343	336	333	328	328	319	219	317	319
Plymouth	315	306	306	301	301	295	292	286	285	282	281	280	278	276	276	274	275
Pocahontas	365	358	354	351	351	342	332	323	321	315	313	308	306	303	303	301	303
Polk	261	255	250	248	248	250	245	241	237	233	229	229	227	227	224	212	197
Pottawattamie	354	346	343	335	335	331	325	316	311	305	297	298	298	298	294	289	285
Poweshiek	353	347	340	337	337	331	325	316	315	306	304	302	300	295	288	284	279
Ringgold	496	489	482	475	475	463	456	450	440	423	418	414	395	390	377	374	368
Sac	350	347	347	333	333	326	317	311	310	307	307	308	308	300	300	301	291
Scott	253	248	243	240	240	237	232	225	220	216	216	215	213	205	205	206	207
Shelby	320	312	309	304	304	297	288	281	278	274	274	274	272	268	268	269	271
Sioux	240	235	235	228	228	226	224	223	224	220	220	220	219	214	214	215	216
Story	299	294	294	286	286	283	276	271	270	268	268	266	262	251	247	248	249
Tama	322	315	315	306	306	302	296	296	295	287	283	282	275	270	265	260	255
Taylor	444	438	432	427	427	417	406	392	380	371	356	353	349	346	342	333	328
Union	388	382	376	371	371	361	356	351	338	334	334	331	304	300	290	291	293
Van Buren	389	379	379	370	370	362	353	349	338	330	327	321	308	301	287	277	271
Wapello	287	283	280	274	274	268	263	263	261	258	245	246	241	241	230	203	184
Warren	267	261	257	251	251	249	246	244	241	238	238	237	229	227	220	220	222
Washington	306	298	296	291	291	284	280	280	278	274	274	270	258	256	244	245	246
Wayne	442	436	436	425	425	415	410	405	396	391	387	388	358	354	343	334	346
Webster	355	347	347	338	338	336	331	324	315	310	310	309	307	300	298	299	301
Winnebago	331	326	326	318	318	316	308	300	291	284	280	278	269	263	263	264	257
Winneshek	285	259	254	253	253	248	247	247	246	240	236	236	232	228	226	219	212
Woodbury	386	378	372	372	372	364	352	340	324	320	314	315	313	309	302	289	268
Worth	372	367	356	356	356	352	333	319	304	301	293	291	284	281	281	278	271
Wright	413	404	399	395	395	387	379	367	353	350	347	344	334	328	325	312	298
State of Iowa	328	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, 1975-1991.

County	Farms					Acres				
	1990-1991	1975-1990	1985-1989	1980-1985	1975-1979	1990-1991	1975-1990	1985-1989	1980-1985	1975-1979
Adair	-2.1	-17.9	-6.8	-5.5	-6.8	2.2	19.7	6.9	5.2	6.5
Adams	-1.5	-13.9	-5.6	-4.0	-5.1	1.3	14.4	5.7	3.7	4.4
Allamakee	-1.9	-22.1	-2.7	-5.1	-13.2	2.0	26.2	2.7	4.7	14.3
Appanoose	-2.3	-23.7	-2.2	-10.1	-13.2	2.1	27.9	1.5	10.5	14.0
Audubon	-2.4	-19.8	-3.4	-7.3	-9.4	2.4	22.6	3.5	7.2	9.4
Benton	-2.1	-13.3	-4.6	-5.0	-3.0	2.3	13.1	4.2	4.8	2.2
Black Hawk	-1.6	-19.2	-4.5	-3.6	-11.5	1.6	20.9	3.9	3.1	11.9
Boone	-2.0	-24.6	-6.5	-9.2	-11.2	2.1	28.1	5.1	9.5	11.3
Bremer	-1.8	-23.0	-5.0	-6.9	-12.2	1.8	28.1	5.1	7.0	12.9
Buchanan	-2.3	-21.0	-4.3	-6.7	-10.8	2.3	24.8	4.4	6.4	11.4
Buena Vista	-0.9	-17.7	-8.6	-6.4	-3.8	0.9	19.3	9.0	6.4	2.9
Butler	-2.3	-19.4	-5.1	-8.6	-5.6	2.6	21.9	5.1	8.9	4.9
Calhoun	-2.0	-21.6	-8.3	-8.5	-5.6	2.0	25.2	8.6	8.7	4.9
Carroll	-0.8	-10.4	-7.2	-2.1	-1.4	0.7	9.7	7.5	1.6	0.4
Cass	-2.2	-19.8	-7.0	-9.9	-4.3	2.1	22.7	7.5	10.2	3.6
Cedar	-2.6	-17.6	-5.6	-7.5	-5.6	2.7	19.0	5.6	7.6	4.8
Cerro Gordo	-2.2	-17.7	-6.0	-5.7	-6.2	1.9	19.1	5.9	5.3	5.6
Cherokee	-2.8	-13.5	-6.8	-4.9	-2.4	2.8	13.6	7.2	4.5	1.4
Chickasaw	-1.9	-22.2	-3.6	-7.5	-11.1	1.7	27.1	3.6	7.4	11.8
Clarke	-1.4	-18.8	-5.4	-6.3	-7.1	1.6	20.9	5.6	6.2	6.3
Clay	-2.3	-20.9	-7.4	-11.2	-2.7	2.3	24.5	7.7	12.0	1.9
Clayton	-3.0	-21.3	-1.2	-6.6	-13.3	3.2	25.0	1.1	6.2	14.3
Clinton	-2.1	-18.8	-4.6	-7.3	-6.8	2.1	21.2	4.8	7.2	6.4
Crawford	-1.5	-21.3	-6.9	-7.0	-7.7	1.5	24.7	7.2	6.6	7.5
Dallas	-1.9	-17.1	-5.3	-6.6	-5.4	1.9	18.8	5.6	6.3	4.8
Davis	-1.1	-27.2	-2.1	-6.0	-20.0	1.2	36.9	3.3	5.4	24.2
Decatur	-1.4	-22.0	-5.3	-3.8	-13.2	1.3	26.2	5.6	3.4	14.0
Delaware	-2.1	-16.5	-2.0	-2.7	-11.8	2.0	18.3	2.1	2.1	12.5
Des Moines	-2.7	-19.4	-6.2	-4.8	-9.7	2.8	22.3	6.6	4.2	10.1
Dickinson	-1.7	-16.9	-6.2	-7.2	-2.8	1.6	17.6	5.9	7.0	2.2
Dubuque	-1.8	-13.3	-1.8	-2.3	-8.0	1.9	13.8	1.9	1.5	8.0
Emmet	-1.7	-22.1	-6.2	-12.2	-3.9	1.5	26.5	6.5	13.2	3.2
Fayette	-2.0	-27.2	-5.0	-8.1	-16.0	2.0	35.5	5.4	7.8	18.4
Floyd	-2.0	-20.3	-5.7	-6.2	-8.9	1.9	23.6	5.9	5.9	9.2
Franklin	-2.0	-23.7	-5.6	-9.2	-9.2	2.2	28.9	5.4	9.6	9.4
Fremont	-1.4	-15.5	-5.3	-5.1	-6.0	1.4	16.1	5.3	4.8	5.3
Greene	-1.1	-16.8	-7.8	-5.5	-3.5	1.1	18.6	8.4	5.2	2.8
Grundy	-2.0	-19.7	-6.4	-6.8	-7.9	2.0	22.8	7.0	6.7	7.6
Guthrie	-3.1	-25.0	-6.7	-6.2	-12.5	3.2	31.1	6.9	6.1	13.2
Hamilton	-2.0	-24.1	-5.6	-10.7	-9.0	2.0	29.5	5.8	11.7	8.6
Hancock	-1.9	-23.5	-6.2	-8.2	-10.3	1.8	28.7	6.4	8.3	10.7
Hardin	-1.9	-18.6	-5.4	-8.9	-4.6	2.4	20.9	5.5	9.2	4.0
Harrison	-2.0	-25.5	-6.2	-9.7	-9.5	1.9	31.4	6.1	9.9	9.5
Henry	-1.1	-21.4	-6.3	-4.0	-11.6	1.0	25.2	6.5	3.4	12.2
Howard	-1.1	-23.8	-4.0	-7.5	-12.3	1.0	29.2	4.5	7.4	12.9
Humboldt	-1.4	-20.7	-8.8	-8.0	-5.4	1.4	24.1	9.6	8.1	4.8
Ia	-2.6	-18.8	-6.0	-6.7	-6.2	2.6	21.1	5.9	6.7	5.6
Iowa	-1.9	-18.0	-4.5	-5.9	-7.0	2.0	19.9	4.7	5.6	6.6
Jackson	-1.5	-14.6	-2.9	-4.1	-7.0	1.8	15.1	2.6	3.8	6.5
Jasper	-0.7	-15.4	-5.9	-5.6	-4.1	0.6	16.3	6.3	5.1	3.4

Table 3. Percentage Change in Number and Size (in Acres) of Farms in Iowa Counties, 1975-1991 (continued).

County	Farms					Acres				
	1990-1991	1975-1990	1985-1989	1980-1985	1975-1979	1990-1991	1975-1990	1985-1989	1980-1985	1975-1979
Jefferson	-2.6	-33.0	-6.0	-10.8	-19.1	2.6	46.4	6.0	11.2	22.3
Johnson	-1.5	-13.5	-4.9	-5.9	-1.9	1.6	10.9	2.6	5.9	0.9
Jones	-2.6	-21.1	-4.9	-9.6	-7.5	2.7	24.5	4.9	10.1	7.0
Keokuk	-2.0	-26.1	-6.4	-9.8	-11.6	2.0	33.2	6.8	10.2	12.2
Kossuth	-1.8	-20.2	-6.0	-6.2	-8.9	2.0	23.1	6.1	6.1	8.7
Lee	-2.0	-25.2	-5.7	-2.8	-17.6	2.0	32.0	6.0	2.2	20.6
Linn	-1.8	-11.2	-5.1	-3.8	-2.1	2.2	10.4	5.0	3.3	1.4
Louisa	-3.2	-24.1	-4.5	-6.9	-13.2	3.3	29.1	4.3	6.8	14.4
Lucas	-1.5	-28.4	-6.8	-13.1	-11.6	1.6	35.2	5.4	14.4	12.1
Lyon	-2.4	-14.6	-6.1	-7.0	-1.4	2.4	15.2	6.6	7.0	0.4
Madison	-1.9	-24.5	-5.4	-10.4	-10.1	1.8	30.3	5.8	10.7	10.2
Mahaska	-0.9	-23.7	-5.6	-3.9	-15.1	1.0	27.8	5.0	3.3	17.1
Marion	-2.7	-21.1	-5.9	-5.6	-11.3	3.0	22.6	4.6	4.9	11.8
Marshall	-1.9	-19.7	-5.3	-8.1	-6.8	1.8	22.6	5.6	8.2	6.4
Mills	-3.1	-20.0	-3.0	-9.5	-7.5	3.1	23.3	3.0	9.9	7.1
Mitchell	-2.1	-17.5	-5.0	-3.9	-9.6	2.3	19.1	4.8	3.6	9.7
Monona	-2.4	-21.3	-4.4	-9.0	-7.4	2.4	24.2	3.9	9.2	7.1
Monroe	-1.4	-21.5	-2.7	-7.4	-12.9	1.4	25.7	2.8	7.3	13.9
Montgomery	-1.4	-17.9	-6.8	-6.3	-6.0	1.6	19.7	7.1	6.0	5.4
Muscatine	-1.1	-15.2	-3.2	-8.7	-1.9	1.1	16.1	3.4	8.6	1.2
O'Brien	-0.8	-13.0	-9.1	-2.9	-1.4	0.7	13.5	10.1	2.3	0.8
Osceola	-1.4	-16.1	-6.3	-7.1	-2.3	1.5	16.7	6.4	6.8	1.4
Page	-1.0	-16.2	-5.8	-3.7	-7.7	0.9	17.2	5.7	3.3	7.4
Palo Alto	-1.1	-17.1	-6.0	-6.5	-3.6	1.1	18.8	6.3	6.4	2.8
Plymouth	-2.9	-11.7	-4.9	-4.7	-2.5	2.9	11.3	4.8	4.3	1.8
Pocahontas	-2.0	-16.8	-6.5	-7.8	-2.5	2.0	18.2	6.6	7.8	1.6
Polk	-2.0	-26.1	-4.7	-7.0	-14.9	2.4	29.4	2.0	7.0	16.2
Pottawattamie	-2.5	-19.0	-5.9	-9.0	-5.0	2.3	21.4	5.5	9.1	4.6
Poweshiek	-1.9	-20.8	-4.6	-7.6	-8.5	1.7	24.4	4.6	7.6	8.2
Ringgold	-1.4	-25.8	-5.4	-9.8	-11.8	1.4	32.9	5.7	10.1	12.5
Sac	-1.0	-17.7	-8.9	-3.4	-6.4	0.9	19.2	9.5	2.9	5.8
Scott	-2.1	-17.9	-4.8	-8.0	-4.3	2.0	19.8	4.7	7.9	3.9
Shelby	-2.6	-14.6	-7.1	-5.2	-2.2	2.6	15.1	7.3	5.1	1.1
Sioux	-2.0	-9.5	-4.8	-2.3	-2.7	2.1	8.8	4.9	1.8	1.8
Story	-1.8	-16.9	-6.6	-4.0	-7.4	1.7	18.1	6.5	3.8	6.8
Tama	-2.2	-20.1	-6.1	-5.1	-10.3	2.2	23.5	6.4	5.0	10.6
Taylor	-1.3	-26.2	-6.1	-13.7	-7.8	1.4	33.5	6.4	15.0	7.6
Union	-1.5	-24.4	-5.5	-7.6	-12.2	1.6	30.4	5.6	7.6	13.0
Van Buren	-2.6	-29.7	-7.1	-9.7	-16.2	2.6	39.9	7.4	10.0	18.4
Wapello	-1.1	-36.2	-6.3	-6.9	-26.1	1.4	53.8	6.5	6.9	33.7
Warren	-2.4	-17.0	-5.2	-4.2	-7.2	2.3	17.6	4.5	3.8	6.8
Washington	-2.6	-19.0	-5.7	-3.9	-9.9	2.7	21.1	5.7	3.7	9.8
Wayne	-1.4	-22.1	-6.3	-6.0	-11.6	1.4	26.0	6.3	5.7	12.1
Webster	-2.5	-14.7	-4.7	-7.2	-3.5	2.3	15.3	4.8	7.1	2.7
Winnebago	-1.4	-22.9	-6.3	-10.2	-8.3	1.5	26.8	5.8	10.8	8.2
Winneshiek	-2.5	-19.4	-2.9	-5.0	-11.0	0.0	22.2	2.8	4.7	11.3
Woodbury	-2.2	-30.1	-5.5	-11.0	-15.5	2.1	41.0	5.7	11.8	17.5
Worth	-1.5	-27.5	-6.8	-13.1	-7.7	1.4	35.4	6.9	14.4	7.4
Wright	-2.3	-27.3	-5.3	-9.6	-14.0	2.2	35.6	5.3	10.2	15.4
State of Iowa	-1.9	-20.0	-5.3	-6.8	-8.5	1.9	22.9	5.3	6.7	8.4

Figure 1. Number of farms in Iowa, 1975-1991.

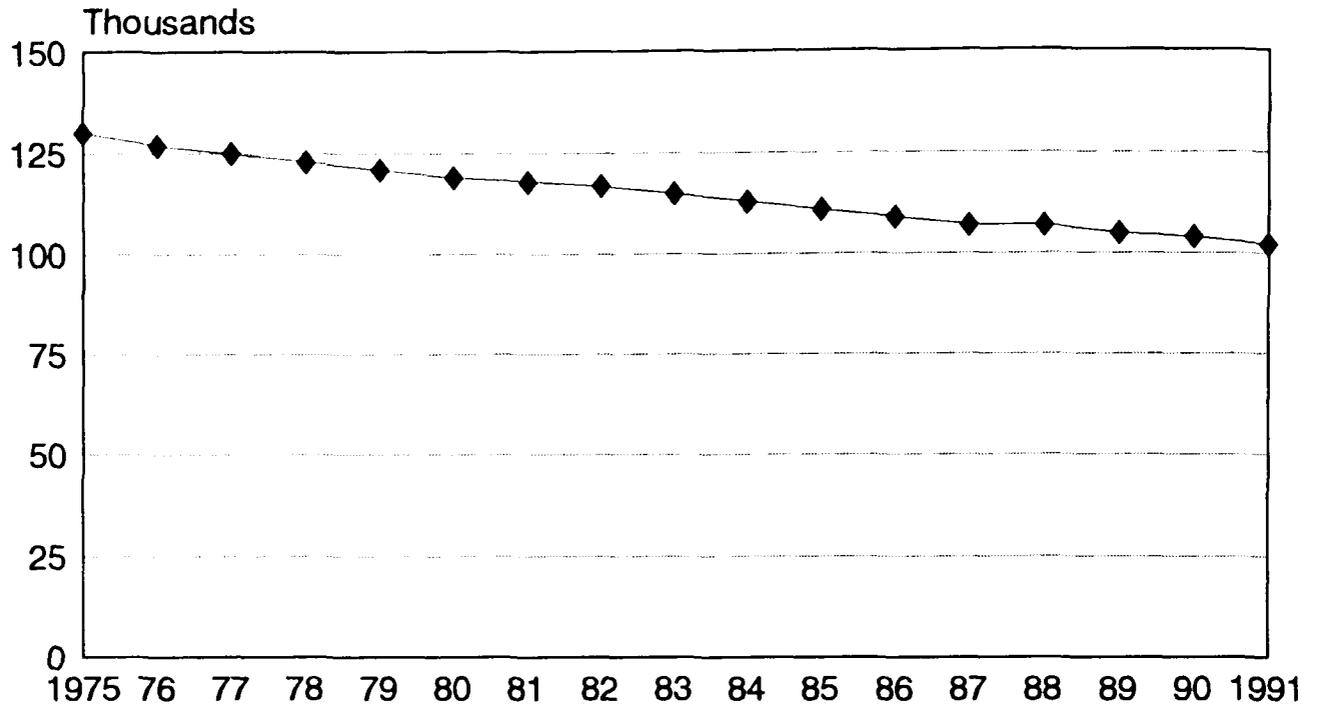
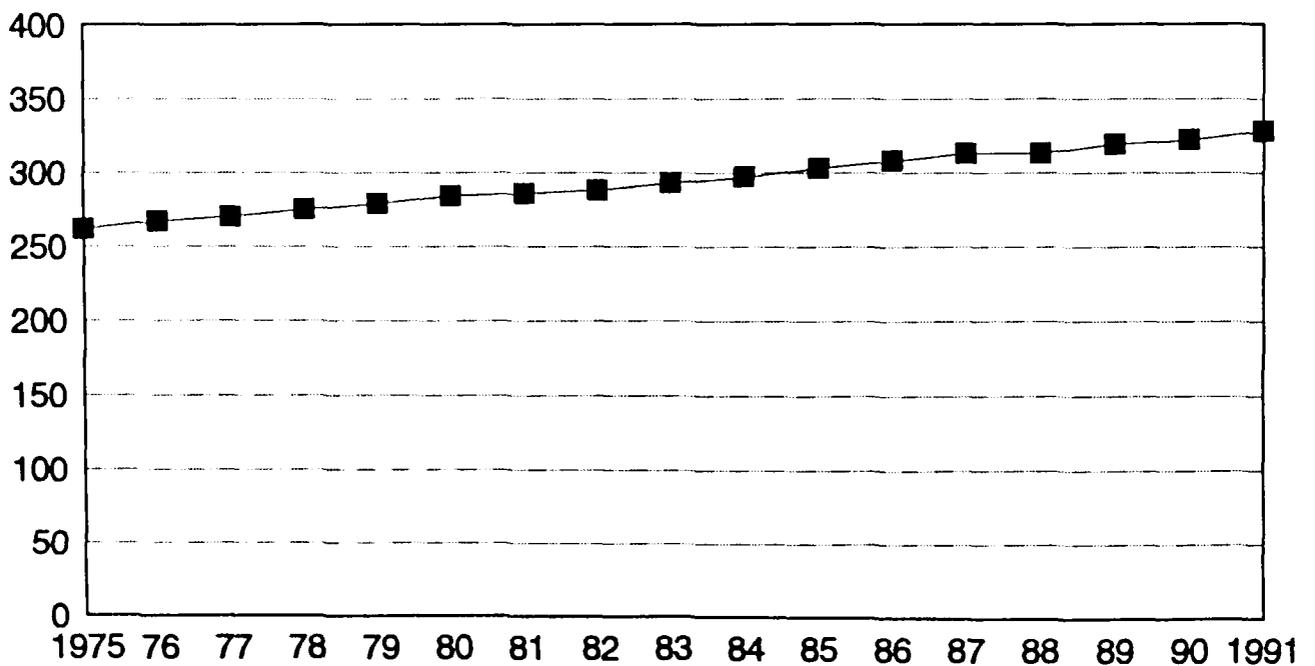


Figure 2. Average size (in acres) of farms in Iowa, 1975-1991.



Value of Farm Land in Iowa's Counties: 1950-1991

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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 \$1,219 in 1991 (Figure 1).

Although counties generally follow the state trends from 1950 to the present, the value of an acre of farm land varies considerably across Iowa. In 1991, for example, the value in Decatur was estimated at \$507, while it was \$1,923 in Scott. Twenty-five counties had values below \$1,000 per acre, while 24 were at \$1,500 or more. 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 somewhat in the 1960s (+60.5%), and rocketed upward in the 1970s (+393.1%), only to fall in the most recent decade (-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% in 16 counties, while gains of at least 30% occurred in 15 others.

In the decade of great gain (the 1970s), farm land jumped in value by at least 450% in seven counties (Chickasaw, Floyd, Franklin, Hancock, Kossuth, Winnebago, Worth), most of which are in north-central Iowa. Although all gained by at least 300%, 20 increased by less than 350%. In contrast, all counties had lower farm land values in 1990 than in 1980. Eight (Cerro Gordo, Floyd, Fremont, 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.

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 1991. In the first period, declines reached 63.3% for the state (Table 3). In no county did the value of farm land drop by less than 60%. In some, the figures for 1986 were only about a third of what they had been for an average acre in 1981.

Table 1. Value (in \$ per acre) of Farm Land in Iowa Counties, 1950-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	753	734	674	619	557	507	606	833	1035	1176	1367	1335	308	168	152
Adams	781	769	715	667	578	519	612	835	1047	1156	1372	1312	291	170	159
Allamakee	735	770	697	611	532	483	592	856	1062	1143	1300	1227	233	145	115
Appanoose	526	502	455	423	373	351	421	581	747	891	1007	906	206	108	97
Audubon	1222	1217	1149	1072	850	751	851	1164	1525	1608	1965	1937	394	249	227
Benton	1416	1415	1316	1199	1004	915	1121	1649	1988	2101	2479	2404	506	323	268
Black Hawk	1501	1515	1420	1330	1095	1010	1258	1867	2280	2432	2918	2812	553	347	257
Boone	1540	1553	1435	1340	1094	987	1174	1762	2159	2272	2685	2592	545	341	283
Bremer	1298	1324	1235	1108	931	861	1082	1588	1934	2078	2463	2259	420	267	193
Buchanan	1317	1336	1248	1132	953	883	1112	1629	1949	2091	2479	2269	419	255	190
Buena Vista	1648	1649	1576	1470	1129	974	1099	1590	2202	2257	2773	2738	522	355	311
Butler	1371	1385	1309	1239	1013	921	1143	1696	2083	2217	2680	2566	478	304	231
Calhoun	1672	1682	1572	1414	1132	1006	1179	1752	2266	2366	2833	2805	568	365	309
Carroll	1529	1523	1439	1320	1014	891	994	1415	1962	2014	2450	2425	473	314	288
Cass	1017	1006	939	873	748	668	782	1066	1341	1463	1751	1731	379	221	206
Cedar	1560	1504	1418	1289	1184	1105	1443	2010	2273	2425	2792	2612	565	365	281
Cerro Gordo	1421	1437	1372	1307	1063	957	1192	1764	2203	2342	2857	2735	503	312	230
Cherokee	1409	1402	1329	1243	950	832	922	1290	1813	1862	2280	2309	452	295	260
Chickasaw	1060	1082	1008	920	774	715	898	1317	1605	1725	2042	1876	341	207	159
Clarke	614	591	538	482	429	399	478	659	831	977	1114	1059	257	143	123
Clay	1521	1521	1454	1348	1035	893	1007	1456	2002	2051	2519	2478	464	307	260
Clayton	932	976	884	765	666	604	741	1072	1355	1458	1659	1583	328	216	169
Clinton	1270	1246	1162	1073	985	918	1193	1673	1909	2050	2331	2163	428	265	204
Crawford	1265	1260	1194	1124	868	763	852	1176	1601	1663	2041	2027	396	259	242
Dallas	1248	1253	1161	1041	854	768	909	1332	1658	1757	2087	2061	429	266	236
Davis	648	627	579	544	475	440	536	746	917	1035	1202	1100	242	138	121
Decatur	507	485	439	392	347	326	391	540	684	817	922	837	197	113	99
Delaware	1395	1432	1314	1194	1043	957	1195	1722	2077	2234	2565	2347	445	265	195
Des Moines	1167	1137	1064	985	854	781	964	1349	1634	1763	2095	2007	445	257	197
Dickinson	1400	1392	1319	1202	908	793	869	1236	1795	1823	2225	2139	396	256	230
Dubuque	1250	1298	1180	1054	924	841	1040	1498	1867	2008	2285	2175	406	245	181
Emmet	1567	1568	1499	1387	1065	919	1037	1500	2026	2076	2551	2486	454	294	246
Fayette	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, 1950-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1227	1238	1169	1119	924	862	1096	1618	1949	2093	2527	2387	351	278	202
Franklin	1512	1532	1473	1389	1113	965	1167	1736	2198	2308	2837	2788	502	318	251
Fremont	1000	983	909	839	760	683	816	1118	1370	1522	1793	1835	407	233	216
Greene	1456	1462	1362	1244	995	890	1037	1526	1987	2077	2479	2444	514	324	279
Grundy	1592	1606	1493	1403	1149	1047	1272	1899	2339	2477	2947	2833	562	346	270
Guthrie	1084	1084	1017	939	754	671	775	1084	1373	1455	1763	1738	354	217	197
Hamilton	1699	1717	1614	1498	1211	1068	1272	1904	2388	2505	3013	2900	566	351	295
Hancock	1499	1519	1464	1375	1105	962	1173	1740	2209	2326	2865	2778	504	315	242
Hardin	1562	1578	1484	1395	1127	994	1184	1772	2199	2306	2775	2688	512	320	265
Harrison	1033	1026	964	882	728	647	748	1016	1298	1399	1694	1657	350	212	202
Henry	1126	1098	1027	932	808	738	911	1276	1518	1638	1947	1830	410	254	205
Howard	935	955	889	803	676	625	784	1150	1412	1517	1796	1645	305	191	149
Humboldt	1648	1669	1595	1510	1208	1042	1243	1855	2399	2509	3069	3048	582	364	297
Ida	1405	1401	1327	1247	965	848	949	1307	1770	1842	2262	2278	462	294	260
Iowa	1189	1179	1103	1013	855	773	947	1364	1609	1684	2018	1953	430	283	242
Jackson	1088	1099	1012	940	843	776	983	1398	1670	1795	2041	1912	369	222	168
Jasper	1242	1225	1146	1078	916	831	1021	1458	1720	1816	2171	2060	447	285	242
Jefferson	864	842	789	700	606	554	684	958	1107	1195	1420	1303	288	177	154
Johnson	1449	1409	1329	1228	1089	1000	1275	1783	2039	2148	2539	2365	510	324	260
Jones	1185	1170	1088	980	895	832	1076	1513	1732	1860	2116	1985	395	253	200
Keokuk	1087	1065	1005	885	763	691	861	1210	1380	1438	1740	1611	360	241	211
Kossuth	1590	1612	1563	1447	1143	966	1146	1700	2206	2296	2852	2804	499	322	262
Lee	968	936	865	814	711	657	802	1116	1396	1577	1831	1740	391	223	177
Linn	1506	1465	1375	1254	1135	1056	1367	1923	2203	2351	2710	2492	510	323	261
Louisa	1358	1320	1246	1108	984	904	1153	1612	1842	1942	2293	2108	445	270	218
Lucas	574	549	497	459	406	382	457	632	787	939	1061	980	229	126	110
Lyon	1403	1395	1322	1235	933	814	892	1270	1869	1897	2316	2325	447	296	265
Madison	921	905	834	718	637	577	689	960	1193	1333	1559	1482	327	181	167
Mahaska	1075	1047	979	859	745	681	841	1177	1401	1512	1797	1689	386	240	205
Marion	989	955	881	808	706	654	797	1108	1363	1545	1790	1695	390	224	186
Marshall	1349	1349	1254	1170	971	877	1059	1557	1865	1957	2329	2232	473	303	260
Mills	1014	997	922	862	781	702	838	1148	1438	1598	1881	1884	418	234	220
Mitchell	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, 1950-1991 (continued).

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

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

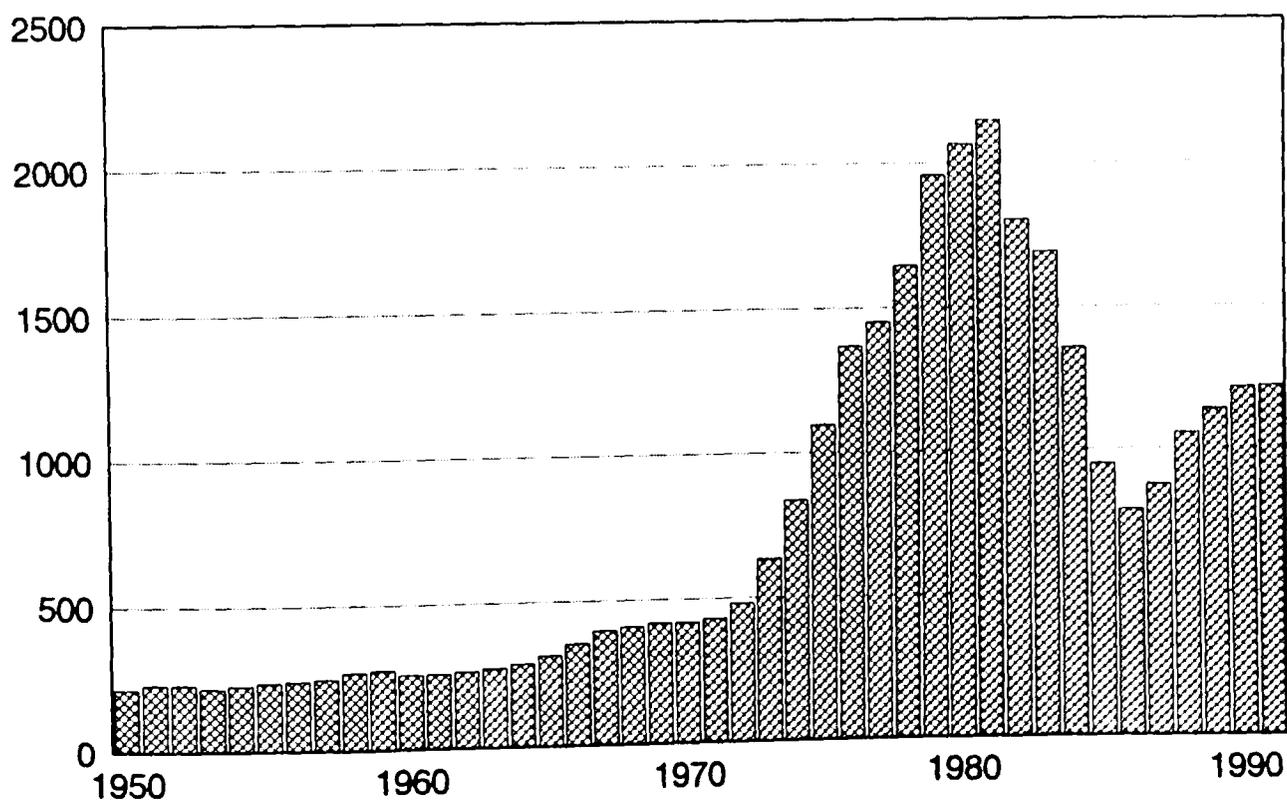
Table 3. Percentage Change in Per Acre Value of Farm Land by Selected Periods from 1981 to 1991 in Iowa Counties.

County	1990- 1991	1986- 1991	1981- 1986	County	1990- 1991	1986- 1991	1981- 1986
Adair	2.6	48.5	-62.9	Jefferson	2.6	56.0	-61.0
Adams	1.6	50.5	-62.2	Johnson	2.8	44.9	-60.6
Allamakee	-4.6	52.2	-62.8	Jones	1.3	42.4	-60.7
Appanoose	4.8	49.9	-65.1	Keokuk	2.1	57.3	-60.3
Audubon	0.4	62.7	-61.8	Kossuth	-1.4	64.6	-66.1
Benton	0.1	54.8	-63.1	Lee	3.4	47.3	-64.1
Black Hawk	-0.9	48.6	-65.4	Linn	2.8	42.6	-61.0
Boone	-0.8	56.0	-63.2	Louisa	2.9	50.2	-60.6
Bremer	-2.0	50.8	-65.0	Lucas	4.6	50.3	-64.0
Buchanan	-1.4	49.2	-64.4	Lyon	0.6	72.4	-64.8
Buena Vista	-0.1	69.2	-64.9	Madison	1.8	59.6	-63.0
Butler	-1.0	48.9	-65.6	Mahaska	2.7	57.9	-62.1
Calhoun	-0.6	66.2	-64.4	Marion	3.6	51.2	-63.5
Carroll	0.4	71.6	-63.6	Marshall	0.0	53.8	-62.3
Cass	1.1	52.2	-61.8	Mills	1.7	44.4	-62.7
Cedar	3.7	41.2	-60.4	Mitchell	-0.9	41.0	-66.2
Cerro Gordo	-1.1	48.5	-66.5	Monona	0.1	61.4	-60.6
Cherokee	0.5	69.4	-63.5	Monroe	3.2	56.4	-62.7
Chickasaw	-2.0	48.2	-65.0	Montgomery	1.6	43.4	-62.7
Clarke	3.9	53.9	-64.2	Muscatine	3.5	43.1	-60.8
Clay	0.0	70.3	-64.6	O'Brien	0.6	72.1	-64.2
Clayton	-4.5	54.3	-63.6	Osceola	0.6	72.3	-64.1
Clinton	1.9	38.3	-60.6	Page	1.6	43.3	-64.0
Crawford	0.4	65.8	-62.6	Palo Alto	-0.7	68.0	-64.7
Dallas	-0.4	62.5	-63.2	Plymouth	0.4	64.1	-62.4
Davis	3.4	47.3	-63.4	Pocahontas	-1.0	63.5	-65.8
Decatur	4.5	55.5	-64.6	Polk	0.2	54.5	-64.2
Delaware	-2.6	45.8	-62.7	Pottawattamie	1.1	52.3	-62.5
Des Moines	2.6	49.4	-62.7	Poweshiek	1.0	51.2	-61.4
Dickinson	0.6	76.5	-64.4	Ringgold	3.5	51.0	-63.9
Dubuque	-3.7	48.6	-63.2	Sac	0.4	71.5	-63.7
Emmet	-0.1	70.5	-64.0	Scott	4.2	39.8	-60.5
Fayette	-3.3	47.4	-64.4	Shelby	0.5	55.3	-62.6
Floyd	-0.9	42.3	-65.9	Sioux	0.6	68.6	-63.6
Franklin	-1.3	56.7	-66.0	Story	-0.6	56.8	-63.4
Fremont	1.7	46.4	-61.9	Tama	-0.2	53.6	-63.5
Greene	-0.4	63.6	-64.1	Taylor	2.6	48.9	-62.9
Grundy	-0.9	52.0	-64.5	Union	3.5	50.6	-64.3
Guthrie	0.0	61.6	-61.9	Van Buren	3.4	49.7	-62.8
Hamilton	-1.0	59.1	-64.6	Wapello	2.6	55.4	-61.8
Hancock	-1.3	55.8	-66.4	Warren	2.7	56.0	-65.0
Hardin	-1.0	57.1	-64.2	Washington	2.1	55.4	-60.1
Harrison	0.7	59.7	-61.8	Wayne	4.8	51.2	-65.1
Henry	2.6	52.6	-62.1	Webster	-1.0	59.8	-64.9
Howard	-2.1	49.6	-65.2	Winnebago	-1.4	58.3	-66.7
Humboldt	-1.3	58.2	-66.0	Winneshiek	-3.3	48.9	-64.4
Ida	0.3	65.7	-62.5	Woodbury	0.2	62.2	-61.6
Iowa	0.8	53.8	-61.7	Worth	-1.1	52.1	-66.4
Jackson	-1.0	40.2	-62.0	Wright	-1.3	61.1	-65.7
Jasper	1.4	49.5	-61.7				
				State of Iowa	0.4	54.9	-63.3

Farm land values escalated again from 1986 through 1991; the average acre in Iowa gained 54.9% in value (Figure 2). 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. Fifteen counties had increases in farm land values of at least 65%, while the gains in 13 others were less than 45%. Increases were greatest (+70%) in eight counties in northwestern Iowa (Carroll, Clay, Dickinson, Emmet, Lyon, O'Brien, Osceola, Sac). Gains of less than 40% occurred in two counties in the east-central section of the state (Clinton, Scott) from 1986 through 1991.

Note: Annual data from 1950 through 1991 are available from Michael Duffy, Department of Economics, 560 Heady Hall, Iowa State University, Ames, IA 50011.

Figure 1. Value (in \$ per acre) of farm land in Iowa, 1950-1991.



Vehicles Registered in Iowa's Counties: 1984-1991

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) (61.3% of all registered) and trucks (Table 2) (22.3% of all registered) in 1991. The total number of vehicles listed for the state was 3,107,525 in 1991, an increase of 174,511 from the 2,933,014 reported in 1984 (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.

In 1990, the count of vehicles was greater than the number of people indicated in the census that year. Autos and trucks totaled 2,562,285 in 1990; potential drivers (residents 14 and older) numbered 2,208,500 according to the census. When auto and truck registrations are summed, their totals exceed the number of residents of all ages in 30 counties in 1990. At least 500 more automobiles and trucks than people were counted in four counties (Fremont, Greene, Harrison, Monona), while residents were outnumbered by cars and trucks by at least 100 in another 21 counties.

The number of autos registered in 1991 was nearly 163,000 higher than the number reported in 1984. The peak was in 1987, when more than 1,936,000 were listed (Figure 1). In 1991, nearly 1,906,000 were reported. The number of truck registrations reached a new high in 1991 (693,600). When 1984 and 1991 are compared, trucks increased by nearly 63,000 (Figure 2).

Fewer than 10,000 automobiles were registered in 44 counties in 1991; 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. Nine counties (Adams, Audubon, Calhoun, Cass, Greene, Kossuth, Palo Alto, Pocahontas, Sac) had fewer automobile registrations in 1991 than in 1984. Gains over 1,000 occurred in 38 counties; four of these increased by at least 10,000 (Johnson, Linn, Polk, Scott).

Truck registrations also varied by county in 1991, with 52 reporting fewer than 5,000 and 13 with more than 10,000. Increases between 1984 and 1991 ranged from less than 100 in 11 counties to more than 1,000 in 14 others. Gains of at least 3,000 occurred in Linn, Polk, Scott, and the category of trucks used for official purposes. Only six counties (Calhoun, Greene, Humboldt, Kossuth, Palo Alto, Taylor) had fewer trucks in 1991 than in 1984.

Total vehicle registrations in 1990 ranged widely across the state. Polk's 333,845 was more than twice the number in every county except Linn (179,232). Black Hawk, Scott, and Woodbury also had at least 100,000 registered vehicles. Eleven counties reported fewer than 10,000 vehicles, although only two (Adams, Ringgold) were under 5,000. Between 1984 and 1991, thirteen counties had declines in the total number of vehicles registered; two were in excess of 1,000 (Black Hawk, Webster), although both of these counties had increases in the numbers of automobiles and trucks over this period. Gains topped 5,000 in seven counties (Johnson, Linn, Polk, Pottawattamie, Scott, 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, 1984-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984
Adair	5504	5451	5382	5309	5540	5490	5516	5323
Adams	3271	3293	3308	3338	3601	3496	2896	3287
Allamakee	9049	8963	8796	8598	9274	9060	9003	8182
Appanoose	9229	9085	8867	8732	9425	9129	8879	8304
Audubon	4670	4694	4695	4637	4984	4964	4974	4839
Benton	15326	15087	14782	14359	14853	14407	11413	13197
Black Hawk	84421	82961	81398	79951	84389	83443	84727	81044
Boone	17393	17081	16938	16661	17293	16836	13907	14964
Bremer	15436	15269	15025	14625	15240	15094	15078	14408
Buchanan	12995	12872	12646	12402	13204	12901	12730	12121
Buena Vista	13249	13059	12812	12570	13263	13289	13369	12708
Butler	11051	10983	10812	10648	10910	10719	10716	10307
Calhoun	7802	7851	7808	7763	8027	7873	7975	7841
Carroll	13950	13871	13686	13560	14212	14041	13993	13352
Cass	10440	10502	10434	10389	11269	11319	11409	10769
Cedar	12070	11901	11699	11401	11605	11229	9257	10698
Cerro Gordo	32675	32535	32338	31705	33118	32648	32825	31248
Cherokee	9887	9726	9594	9476	10159	9975	10043	9633
Chickasaw	9504	9345	9225	9089	9611	9469	9545	9028
Clarke	5425	5363	5317	5292	5567	5383	5283	4887
Clay	12406	12314	12086	11901	12391	12235	10138	11804
Clayton	12049	11876	11590	11460	12300	12056	12011	11247
Clinton	33943	33369	32714	32297	36608	36913	36599	33495
Crawford	11040	10940	10881	10879	11990	11775	11648	10905
Dallas	21032	20756	20272	19907	20412	19450	16163	18080
Davis	5295	5266	5248	5141	6211	5876	5710	5179
Decatur	5033	5060	4947	4832	5016	4945	4891	4559
Delaware	11644	11554	11473	11279	11533	11192	11040	10430
Des Moines	29594	29344	28853	28472	31200	30894	30351	27856
Dickinson	11062	10512	10310	10161	10468	10093	9989	9391
Dubuque	56199	54753	53979	53065	59065	58656	57520	52209
Emmet	7911	7799	7646	7530	8126	7991	8067	7619
Fayette	14776	14701	14463	14106	14820	14560	14579	13854
Floyd	11928	11869	11824	11630	12487	12305	12370	11688
Franklin	7916	7952	7845	7767	8038	7936	6547	7259
Fremont	5775	5686	5541	5472	5849	5663	5615	5298
Greene	7111	7065	7072	7017	7409	7294	7330	7191
Grundy	8565	8507	8398	8327	8577	8479	8520	8363
Guthrie	7554	7474	7363	7262	7336	7070	7051	6793
Hamilton	11485	11433	11340	11245	11649	11324	11283	10780
Hancock	8477	8560	8526	8398	8564	8396	8423	8057
Hardin	13110	13075	12890	12789	13787	13652	13658	13069
Harrison	10414	10261	9911	9881	11400	10829	8441	9379
Henry	12081	11806	11479	11265	12122	11830	11561	10709
Howard	6898	6710	6539	6452	6897	6624	6694	6283
Humboldt	7660	7673	7601	7478	7820	7776	7738	7395
Ida	5691	5755	5628	5557	5749	5559	5534	5263
Iowa	10160	9977	9878	9651	9975	9849	9854	9392
Jackson	13335	13195	12807	12667	13935	13453	13195	12105
Jasper	24348	24278	23919	23521	24134	23421	23179	21949

Table 1. Automobile Registrations in Iowa Counties, 1984-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	11462	11380	10957	10796	11989	11703	11442	10325
Johnson	55877	54317	52539	50609	51472	49942	48663	44503
Jones	12494	12340	12151	11815	12269	11970	11739	11104
Keokuk	7778	7732	7704	7606	7920	7821	7790	7417
Kossuth	13042	13205	13137	13050	13571	13437	13615	13165
Lee	26158	25860	25439	25100	27928	26883	22370	24563
Linn	122551	119665	117698	115005	119389	116859	113211	103466
Louisa	7834	7612	7504	7301	7418	7162	7000	6600
Lucas	5967	5943	5847	5781	6081	6036	5997	5708
Lyon	8050	7850	7696	7590	8355	8118	8126	7578
Madison	8286	8163	7999	7859	7863	7589	7546	7041
Mahaska	14102	13905	13672	13442	14192	13829	13701	12868
Marion	19065	18872	18495	18077	18722	18198	17917	16880
Marshall	27095	26867	26584	26154	26982	26723	26734	25453
Mills	8916	8728	8513	8343	8826	8538	8328	7468
Mitchell	7624	7569	7435	7215	7866	7690	7705	7185
Monona	6857	6796	6681	6561	6837	6669	6662	6278
Monroe	5336	5359	5318	5339	5556	5378	5382	5119
Montgomery	8188	8244	8169	7996	8476	8220	6858	7782
Muscatine	27414	26746	26135	25507	27298	26899	26792	24652
O'Brien	10463	10376	10146	10056	10876	10677	10699	10262
Osceola	5007	4859	4823	4800	5015	4921	5016	4743
Page	11000	11098	11013	10694	11452	11284	11286	10645
Palo Alto	6914	6904	6848	6851	7203	7082	7226	7038
Plymouth	15547	15117	14777	14491	16698	16578	16103	14665
Pocahontas	6593	6702	6705	6717	6963	6915	6952	6752
Polk	239108	234947	228496	222361	240456	235431	237309	217427
Pottawattamie	61339	60328	59648	59082	72252	69462	64682	55852
Poweshiek	12045	12017	11867	11626	12287	12091	11904	10971
Ringgold	3551	3562	3450	3367	3576	3563	3559	3345
Sac	8166	8237	8180	8040	8379	8361	8378	8168
Scott	107668	106397	103022	107838	114677	111386	109691	96996
Shelby	8999	9027	9008	8976	9323	9085	9091	8716
Sioux	17700	17346	16916	16675	18075	17586	17737	16624
Story	42777	41938	41213	40186	41202	39264	32440	36172
Tama	11837	11808	11717	11385	11830	11726	11659	11126
Taylor	4710	4697	4723	4651	4856	4788	4773	4513
Union	8622	8658	8498	8309	8667	8536	8332	7794
Van Buren	5006	5000	4930	4811	5224	5134	5101	4699
Wapello	24247	23878	23674	23098	24198	24030	24125	22502
Warren	24309	23992	23474	23011	23398	22468	22103	20504
Washington	12949	12871	12562	12301	12748	12479	12414	11718
Wayne	4703	4658	4594	4574	4844	4820	4800	4458
Webster	27295	27252	27019	26499	27790	27637	27958	26669
Winnebago	8620	8658	8579	8757	8942	8640	8557	8063
Winneshiek	12814	12583	12414	12148	12938	12657	12628	11683
Woodbury	66535	64862	63111	61681	66746	64640	63420	58054
Worth	5705	5696	5694	5631	5843	5751	5834	5471
Wright	9758	9780	9730	9657	9910	9564	8051	9537
Official	9698	9516	9189	9112	9115	8579	8084	7791
Unknown	356	386	412	349	451	507	2090	1445
State of Iowa	1905976	1879715	1844690	1816794	1936356	1894167	1848817	1743299

Table 2. Truck Registrations in Iowa Counties, 1984-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984
Adair	3335	3314	3280	3261	3315	3168	3197	3117
Adams	1988	2032	2038	2023	2127	1994	1695	1921
Allamakee	4329	4296	4172	4094	4263	4094	3993	3780
Appanoose	4508	4417	4329	4225	4425	4249	4159	3986
Audubon	2625	2645	2596	2566	2654	2574	2590	2534
Benton	6967	6784	6600	6494	6639	6384	5289	6206
Black Hawk	22288	21816	21233	20823	21862	21965	22347	21789
Boone	6815	6624	6523	6375	6391	6201	5277	5532
Bremer	5855	5767	5649	5554	5655	5478	5464	5297
Buchanan	5747	5622	5515	5402	5596	5392	5396	5252
Buena Vista	5158	5049	4980	4938	5135	4965	5015	4858
Butler	4908	4805	4745	4736	4845	4722	4843	4764
Calhoun	3553	3553	3509	3459	3518	3482	3558	3578
Carroll	5927	5862	5773	5666	5935	5774	5802	5614
Cass	5034	5022	4929	4786	5208	5167	5146	4963
Cedar	5478	5328	5274	5210	5276	5141	4208	5018
Cerro Gordo	9638	9542	9383	9157	9676	9590	9514	9141
Cherokee	4300	4226	4161	4117	4218	4206	4222	4202
Chickasaw	3827	3816	3732	3636	3942	3835	3803	3685
Clarke	2837	2812	2772	2743	2818	2730	2634	2499
Clay	4595	4606	4486	4357	4504	4391	3738	4358
Clayton	6126	5987	5950	5820	6105	5962	5930	5723
Clinton	11496	11225	10899	10694	11643	11405	11410	10680
Crawford	5510	5441	5398	5306	5540	5413	5417	5187
Dallas	8397	8271	8074	7878	7919	7634	6441	7329
Davis	2868	2833	2783	2699	2861	2781	2773	2601
Decatur	2868	2896	2830	2702	2795	2728	2674	2529
Delaware	5092	4952	4866	4777	4821	4697	4705	4617
Des Moines	10106	9855	9595	9402	10032	9712	9484	8980
Dickinson	4070	3969	3830	3764	3851	3822	3828	3698
Dubuque	14418	14155	13810	13488	15001	14606	14455	13405
Emmet	3314	3236	3201	3178	3335	3311	3387	3274
Fayette	6039	5977	5850	5688	5911	5713	5720	5572
Floyd	4794	4693	4607	4550	4861	4781	4759	4620
Franklin	3579	3561	3564	3567	3573	3526	2954	3315
Fremont	3433	3310	3286	3240	3345	3298	3340	3240
Greene	3650	3550	3520	3479	3607	3594	3687	3715
Grundy	3730	3613	3566	3532	3645	3596	3663	3595
Guthrie	3788	3680	3624	3566	3625	3539	3565	3476
Hamilton	4658	4667	4644	4592	4688	4595	4627	4603
Hancock	3703	3696	3622	3593	3839	3773	3766	3625
Hardin	5393	5353	5288	5225	5381	5357	5415	5329
Harrison	5443	5328	5177	5148	5567	5343	4418	4959
Henry	5638	5532	5384	5297	5527	5277	5160	4850
Howard	3081	3029	3004	2972	3163	3055	3088	2965
Humboldt	3307	3351	3308	3234	3277	3286	3329	3320
Ida	2919	2934	2843	2804	2846	2829	2808	2762
Iowa	5006	4909	4813	4690	4761	4655	4639	4437
Jackson	5780	5671	5480	5411	5826	5625	5579	5335
Jasper	9540	9512	9344	9156	9317	8986	8913	8551

Table 2. Truck Registrations in Iowa Counties, 1984-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	4232	4152	4080	4023	4389	4332	4298	4128
Johnson	13494	13223	12913	12522	12741	12388	12217	11554
Jones	5521	5439	5362	5270	5440	5323	5304	5173
Keokuk	4181	4165	4146	4094	4296	4097	4147	3998
Kossuth	5616	5684	5573	5464	5652	5580	5664	5617
Lee	10155	9962	9736	9659	10366	10039	8401	9243
Linn	31757	31069	30316	29545	29985	29148	28449	26580
Louisa	4013	3945	3865	3862	3925	3842	3799	3607
Lucas	3140	3076	3011	2890	3038	2966	2949	2881
Lyon	3700	3634	3507	3409	3710	3590	3621	3495
Madison	4549	4480	4371	4244	4281	4080	4013	3860
Mahaska	6309	6224	6042	5908	6157	6020	5918	5605
Marion	8157	7933	7775	7584	7779	7520	7375	6946
Marshall	9388	9243	8988	8855	9140	9020	8970	8746
Mills	4314	4188	4127	4052	4192	4060	3960	3661
Mitchell	3378	3338	3243	3185	3331	3245	3290	3200
Monona	3993	4000	3921	3867	4000	3901	3986	3854
Monroe	2731	2695	2617	2610	2720	2686	2687	2571
Montgomery	3991	3955	3892	3788	3876	3707	3192	3649
Muscatine	10077	9937	9627	9308	9697	9548	9495	8918
O'Brien	4183	4179	4100	4083	4258	4123	4118	4016
Osceola	2529	2469	2466	2403	2381	2295	2357	2334
Page	4972	4885	4790	4754	4982	4818	4800	4609
Palo Alto	3164	3117	3104	3117	3193	3098	3163	3185
Plymouth	6588	6435	6207	6166	6788	6569	6445	6154
Pocahontas	3010	3023	3012	2944	2981	2935	2954	2937
Polk	55441	54131	52148	50747	54567	53145	52852	48729
Pottawattamie	21615	21515	21345	21104	23316	22378	21258	18771
Poweshiek	5778	5708	5655	5594	5910	5674	5497	5211
Ringgold	2237	2221	2199	2163	2236	2166	2204	2118
Sac	4055	4015	3915	3843	3927	3868	3870	3854
Scott	26601	25978	24869	25615	26778	26050	25588	22916
Shelby	4478	4426	4324	4278	4383	4227	4217	4096
Sioux	7431	7242	6993	6866	7259	6971	7025	6783
Story	11281	11072	10837	10558	10837	10425	8459	9752
Tama	5847	5782	5673	5599	5741	5653	5617	5471
Taylor	2556	2580	2579	2587	2657	2690	2655	2562
Union	3990	3955	3806	3734	3808	3721	3658	3548
Van Buren	2848	2806	2781	2734	2895	2814	2793	2621
Wapello	9028	8717	8551	8413	8797	8752	8923	8490
Warren	9170	8970	8795	8558	8719	8418	8313	7942
Washington	5768	5647	5547	5494	5545	5469	5469	5282
Wayne	2691	2665	2568	2540	2640	2595	2607	2512
Webster	9421	9351	9216	9051	9608	9486	9632	9342
Winnebago	3560	3589	3555	3560	3531	3426	3452	3323
Winneshiek	5718	5710	5564	5574	5888	5684	5633	5283
Woodbury	20063	19790	19577	18919	20184	19428	19098	17788
Worth	2694	2676	2657	2606	2721	2621	2615	2545
Wright	4120	4067	4043	3983	4179	3981	3450	4102
Official	22077	21842	21439	21197	20358	18879	18258	18728
Unknown	529	541	617	672	175	1446	1586	446
State of Iowa	693597	682570	667883	656669	684621	667298	652125	631042

Table 3. Total Vehicle Registrations in Iowa Counties, 1984-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984
Adair	10755	10680	10619	10562	10986	10781	10885	10469
Adams	6265	6359	6355	6359	6788	6406	5404	6146
Allamakee	16696	16529	16163	15825	16924	16515	16376	15164
Appanoose	16528	16300	15972	15762	16907	16501	16402	15506
Audubon	8850	8868	8773	8684	9260	9201	9256	8963
Benton	26652	26174	25611	25260	26004	24152	19611	22867
Black Hawk	126134	124398	122376	120719	128643	128263	131405	127537
Boone	28816	28337	28225	27813	28668	27132	22908	24997
Bremer	26426	26149	25735	25223	26178	25915	26020	25030
Buchanan	23471	23147	22766	22338	23531	22948	22969	22180
Buena Vista	22788	22511	22256	21951	23161	22966	23283	22584
Butler	20059	19868	19604	19415	20156	19819	19989	19238
Calhoun	14235	14278	14180	14089	14585	14434	14759	14507
Carroll	23888	23642	23355	23134	25182	24780	24996	23950
Cass	18840	18873	18709	18538	20177	20114	20359	19420
Cedar	21042	20746	20506	20136	20494	19321	15897	18664
Cerro Gordo	50479	50205	49918	49090	51520	51115	51280	49062
Cherokee	17735	17456	17220	17035	18105	17907	18176	17684
Chickasaw	16837	16616	16350	16035	17068	16834	16935	16154
Clarke	9933	9845	9764	9632	10108	9889	9683	9007
Clay	20653	20490	20071	19736	20533	19488	16449	19571
Clayton	22872	22541	22152	21754	22980	22564	22532	21324
Clinton	54829	54044	53050	52504	58395	58518	58640	54522
Crawford	20039	19849	19819	19728	21505	21163	21153	20071
Dallas	34872	34476	33796	33230	33898	31666	26642	30839
Davis	9759	9696	9606	9380	10695	10341	10289	9446
Decatur	9614	9632	9441	9211	9682	9567	9543	8904
Delaware	20320	20032	19805	19445	19968	19389	19278	18408
Des Moines	47924	47567	46907	46567	50853	50414	49971	46956
Dickinson	19499	18732	18333	18011	18586	18170	18203	17493
Dubuque	81919	80167	79147	77964	87274	86472	85699	78764
Emmet	14380	14164	13944	13735	14810	14595	14974	14317
Fayette	25734	25531	25146	24633	25818	25363	25623	24687
Floyd	20741	20535	20369	20139	21568	21277	21533	20507
Franklin	13980	14010	13938	13892	14307	13769	11587	12955
Fremont	10752	10499	10313	10156	10816	10593	10668	10149
Greene	13435	13280	13287	13219	13955	13870	14153	13940
Grundy	15519	15319	15146	15084	15628	15481	15696	15308
Guthrie	14001	13780	13591	13398	13677	13363	13509	12932
Hamilton	20191	20075	19990	19866	20709	20321	20495	19834
Hancock	15486	15528	15440	15230	15840	15565	15626	14930
Hardin	23119	23099	22877	22901	24427	24292	24558	23708
Harrison	18337	18064	17524	17476	19568	18387	14790	16735
Henry	21508	21063	20556	20339	21898	21231	20953	19528
Howard	12360	12082	11875	11722	12484	12051	12205	11485
Humboldt	14070	14069	13860	13604	14272	14275	14342	13819
Ida	10754	10813	10546	10367	10874	10591	10538	10090
Iowa	18294	17996	17751	17377	17869	17612	17622	16760
Jackson	23376	23123	22478	22235	24159	23391	23181	21655
Jasper	41264	41205	40702	40160	41408	40413	40426	38720

Table 3. Total Vehicle Registrations in Iowa Counties, 1984-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	18748	18604	18046	17757	19683	19339	19070	17863
Johnson	80092	78101	75896	73576	75562	73165	71897	67185
Jones	21913	21621	21273	20780	21688	21208	21016	20110
Keokuk	14450	14436	14422	14299	15039	14729	14838	14173
Kossuth	23144	23337	23130	22931	24012	23807	24288	23677
Lee	42420	41999	41620	41087	45114	42489	35902	39934
Linn	179232	175588	173052	170348	176984	173262	169573	156913
Louisa	14720	14426	14174	13970	14245	13824	13709	13003
Lucas	11176	11103	10934	10749	11475	11428	11487	11032
Lyon	14798	14457	14171	13891	15281	14807	14834	13918
Madison	15562	15274	14960	14716	14870	14391	14375	13565
Mahaska	25232	25015	24606	24278	25725	25250	25137	23804
Marion	33092	32638	32035	31355	32594	31803	31440	29754
Marshall	43686	43401	43012	42538	44225	44031	44399	42972
Mills	15608	15279	14917	14645	15489	15035	14798	13479
Mitchell	13569	13453	13199	12885	13847	13542	13735	12936
Monona	13115	13080	12860	12629	13109	12804	12945	12282
Monroe	9732	9696	9538	9563	10004	9821	9880	9467
Montgomery	14210	14250	14089	13821	14440	13762	11708	13465
Muscatine	45973	45198	44277	43346	45919	45444	45694	42942
O'Brien	18833	18682	18321	18144	20082	19288	19363	18670
Osceola	9540	9314	9234	9145	9454	9248	9488	9001
Page	18970	18971	18825	18488	19767	19465	19554	18458
Palo Alto	12391	12335	12286	12331	13002	12841	13210	12857
Plymouth	27083	26395	25693	25320	28580	27994	27543	25504
Pocahontas	12125	12282	12265	12191	12677	12629	12800	12425
Polk	333645	328135	319830	312489	351074	341339	341538	313107
Pottawattamie	95455	94355	93458	92728	110509	106659	101168	88647
Poweshiek	22068	21976	21750	21492	22710	22254	21844	20322
Ringgold	7117	7097	6930	6816	7146	7089	7181	6827
Sac	15103	15126	14944	14710	15244	15127	15268	14917
Scott	152714	150730	146623	152901	162968	158481	157132	140786
Shelby	16299	16263	16083	16123	16779	16335	16483	15836
Sioux	32119	31511	30674	30149	32484	31428	31705	29909
Story	63297	62339	61417	60110	61273	57150	47690	54316
Tama	21781	21660	21457	21007	21929	21753	21795	20901
Taylor	8832	8827	8867	8853	9334	9347	9396	8983
Union	15469	15456	15141	14878	15444	15290	15096	14253
Van Buren	9679	9581	9440	9260	9932	9794	9783	9087
Wapello	39963	39235	38979	38349	40229	40185	41135	38996
Warren	40202	39740	39170	38500	39472	38328	38074	35913
Washington	22757	22508	22170	21915	22679	22398	22608	21449
Wayne	8877	8814	8628	8640	9259	9135	9136	8582
Webster	43540	43377	43037	42383	45987	45630	46510	44589
Winnebago	15270	15325	15193	15376	15672	15285	15248	14348
Winneshiak	22248	21934	21578	21404	22856	22362	22430	20799
Woodbury	100127	98031	96166	94182	103417	100028	98613	90801
Worth	10458	10388	10366	10211	10643	10457	10559	10015
Wright	17243	17099	17098	17055	17619	16595	14049	16542
Official	46850	45861	44837	44081	42349	39772	38318	37344
Unknown	968	1092	1167	1396	1346	11952	12569	18870
State of Iowa	3107525	3067837	3017555	2980454	3184122	3118764	3065482	2933014

Figure 1. Automobile registrations in Iowa, 1984-1991.

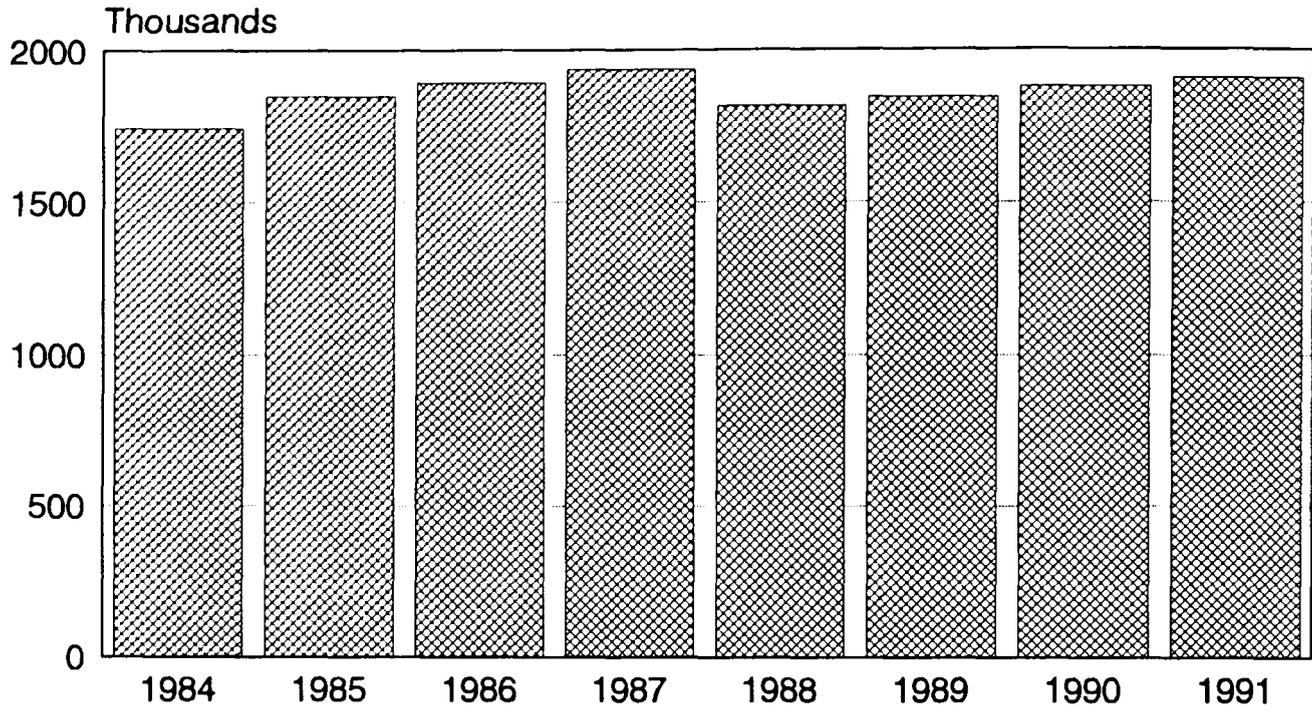
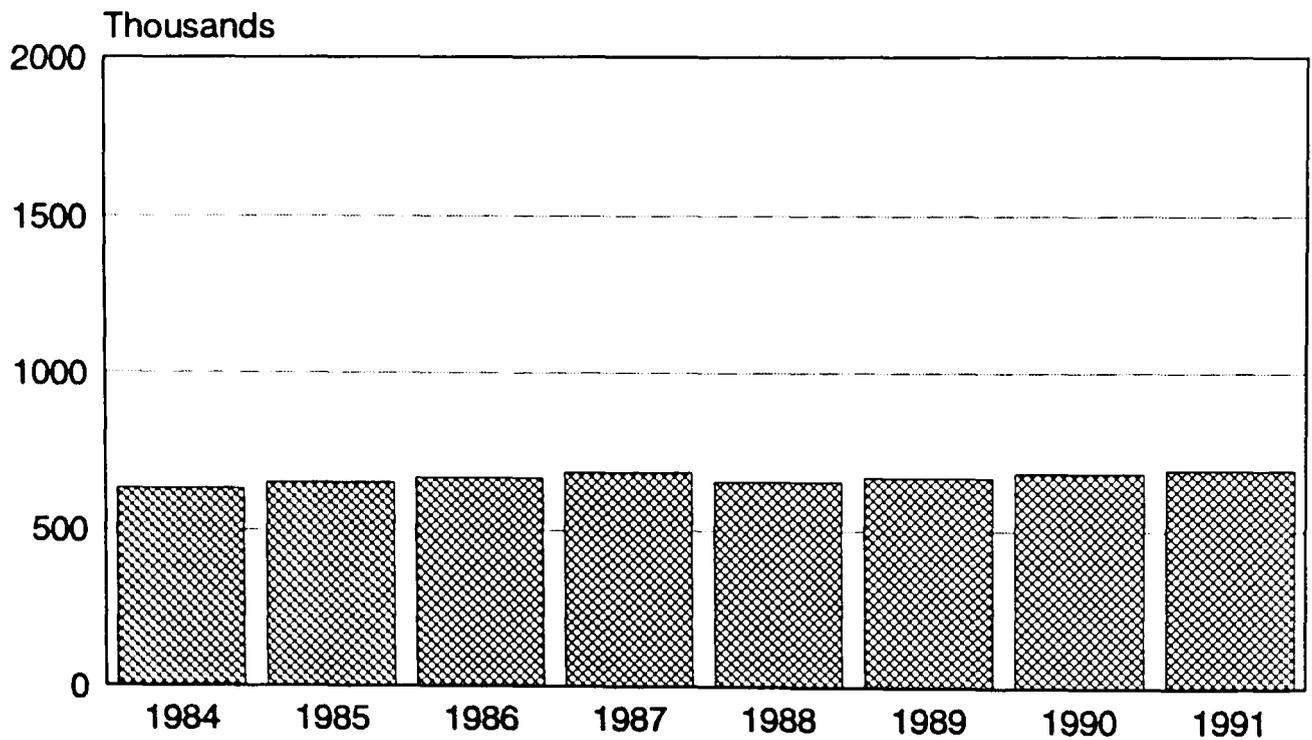


Figure 2. Truck registrations in Iowa, 1984-1991.



Education Completed by Residents Aged 25 or Older in Iowa's Counties: 1940-1990

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Sandra Charvat Burke, Iowa State University

Since 1940, the decennial censuses have included questions on the years of education completed by residents aged 25 or older. That age was selected because most individuals had completed their formal education by that time, although recent years have seen growing numbers of people above that age returning to various educational institutions. The number of years completed has been placed into four categories in Tables 1-3: less than four years of high school, four years of high school, one to three years of college, four or more years of college.

Items obtaining information on education are included on the U.S. Bureau of the Census' long form completed in a sample of housing units. That was based on one of every two housing units in incorporated places with fewer than 2,500 residents in 1990. In other areas (incorporated places with at least 2,500 residents and open country areas of all Iowa counties), the sample includes 1-in-6 housing units. 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; such individuals 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. Changes have occurred in the sample size and response categories on some education questions across the censuses; these tend to be minor adjustments.

The number not completing high school has become substantially smaller across the decades. In 1940, over a million Iowans 25 years of age and older had not obtained a high school diploma. In 1990, the number was about 350,000. That figure may seem to be quite high; it includes large numbers of older individuals who were in school when education was not stressed to the degree that it is today. The greatest increases of those in the "four years of high school" category occurred between 1960 and 1970 and between 1970 and 1980.

The number completing 1-3 years of college also increased greatly from 1980 to 1990; the change was nearly 190,000 between those years. An increase of about 78,000 occurred in this category from 1970 to 1980, although change was much smaller in previous decades. In 1940, 61,000 residents had completed at least four years of college; this increased to 299,000 in 1990. Again, most of the gain occurred in the two most-recent decades. Nearly 97,000 more had completed four or more years of college in 1980 than in 1970; the gain was 62,000 in the 1980s.

Percentages Completing At Least Four Years of High School

The percentage of Iowans completing at least four years of high school has increased steadily from 1940 (28.5%) to 1990 (80.1%) (Table 4, Figure 1). The gains have ranged between 8.6 and 12.7 percentage points across the decades. Counties vary in the percentage completing high school (Table 4, Figure 2). Two (Johnson, Story) reported at least 90% of their residents holding high school diplomas in 1990; the presence of major universities in these counties contributed to this result, of course. Other counties with relatively high percentages completing high school usually had colleges or universities located within their boundaries. Less than three of every four residents 25 or older had completed high school in 20 counties, although none was below 70%. The seven with the lowest percentages in 1990 were Audubon, Butler, Davis, Decatur, Lyon, Sioux, and Wayne. Fifty years earlier, residents completing high school ranged from less than 20% of those 25 or older in seven counties (Allamakee, Appanoose, Davis, Lyon, Monroe, Sioux, Winneshiek) to more than 40% in three others (Johnson, Polk, Story).

Table 1. Residents 25 Years of Age or Older Completing Selected Years of Education in Iowa Counties, 1980 and 1990.

County	1990					1980				
	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older
Adair	1298	2622	1283	566	5769	1896	2809	797	531	6033
Adams	788	1542	786	322	3438	1106	1684	532	365	3687
Allamakee	2216	4380	1769	820	9185	3347	3851	886	839	8923
Appanoose	2578	3603	2003	1060	9244	3655	3791	1299	877	9622
Audubon	1431	2163	970	494	5058	1972	2294	635	484	5385
Benton	3176	6551	3418	1402	14547	4437	6645	1686	1195	13963
Black Hawk	14811	29945	17584	13061	75401	19811	32968	11389	11708	75876
Boone	3279	6953	4498	2345	17075	4803	7166	2374	1978	16321
Bremer	3089	5939	3188	2174	14390	4010	6156	1891	1943	14000
Buchanan	2791	6088	2605	1443	12927	3721	6173	1482	1166	12542
Buena Vista	2246	5042	3335	1905	12528	3197	5406	2069	1819	12491
Butler	2980	4403	2190	994	10567	3979	4694	1301	779	10753
Calhoun	1694	3459	1952	932	8037	2750	3719	1290	827	8586
Carroll	3442	5587	2981	1527	13537	4775	5444	1513	1247	12979
Cass	2003	4577	2502	1301	10383	3134	5103	1361	1053	10651
Cedar	2387	4922	2774	1474	11557	3360	5069	1622	1192	11243
Cerro Gordo	5797	10799	9589	4803	30988	8172	11952	5477	4104	29705
Cherokee	1761	4351	2298	1015	9425	2579	4772	1458	1169	9978
Chickasaw	2157	4045	1643	859	8704	2882	4161	972	745	8760
Clarke	1243	2629	1198	491	5561	1770	2495	637	420	5322
Clay	1743	4727	3339	1661	11470	2842	5446	1817	1477	11582
Clayton	3173	5878	2289	1123	12463	4699	5423	1313	1100	12535
Clinton	7547	13411	8098	4307	33363	9819	15129	4882	3615	33445
Crawford	2988	4908	1912	1070	10878	3879	5138	1019	941	10977
Dallas	3184	7906	5142	3156	19388	4304	8592	2456	2352	17704
Davis	1531	2228	1116	569	5444	1995	2453	647	394	5489
Decatur	1475	2148	965	642	5230	2026	2271	608	787	5692
Delaware	2422	5298	2202	1232	11154	3504	4814	1100	834	10252
Des Moines	5934	11226	7366	3580	28106	8211	12490	4082	3230	28013
Dickinson	1670	4103	2897	1843	10513	2498	4421	1664	1358	9941
Dubuque	11950	22405	10330	9004	53689	15846	21553	5490	7565	50454
Emmet	1616	2952	2056	818	7442	2361	3133	1484	841	7819
Fayette	3358	6308	2989	1696	14351	4826	6723	1768	1691	15008
Floyd	2385	4899	2699	1388	11371	3518	5417	1590	1371	11896
Franklin	1601	3042	2184	956	7783	2580	3485	1352	845	8262
Fremont	1245	2334	1379	631	5589	1852	2796	711	626	5985
Greene	1315	3096	1623	956	6990	2187	3516	1123	829	7655
Grundy	1691	3561	1993	1014	8259	2635	4028	1319	883	8865
Guthrie	1662	3474	1668	745	7549	2644	3744	821	558	7767
Hamilton	2241	4402	2892	1395	10930	2992	5047	1754	1237	11030
Hancock	1780	3237	2385	850	8252	2498	3733	1313	765	8309
Hardin	2757	4947	3511	1593	12808	4240	5109	2496	1457	13302
Harrison	2325	4330	2210	890	9755	2995	4956	1089	803	9843
Henry	2608	4941	3099	1805	12453	3341	4797	1779	1418	11335
Howard	1796	2932	1356	543	6627	2729	2880	673	527	6809
Humboldt	1475	3219	1835	853	7382	2270	3419	1221	736	7646
Ida	1336	2449	1151	610	5546	1845	2499	657	608	5609
Iowa	2341	4375	2087	1101	9904	3060	4469	1073	904	9506
Jackson	3567	5639	2346	1289	12841	4755	5553	1283	1082	12673
Jasper	5202	10261	4804	2959	23226	6860	10579	2630	2175	22244

Table 1. Residents 25 Years of Age or Older Completing Selected Years of Education in Iowa Counties, 1980 and 1990 (continued).

County	1990					1980				
	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older
Jefferson	1988	3788	2468	2965	11209	2645	4257	1424	1893	10219
Johnson	4990	11314	13413	23336	53053	6078	11660	8190	16272	42200
Jones	2743	5663	3081	1364	12851	3832	5396	1456	1110	11794
Keokuk	1822	3675	1613	735	7845	2644	3989	891	589	8113
Kossuth	2580	4988	3342	1462	12372	4108	5761	1830	1096	12795
Lee	5794	11319	5913	2766	25792	8148	11945	3456	2462	26011
Linn	16312	37537	30804	23233	107886	21768	42325	16941	16196	97230
Louisa	1760	3336	1646	685	7427	2242	3198	993	597	7030
Lucas	1419	3001	1186	587	6193	2123	3073	857	514	6567
Lyon	2229	2964	1559	768	7520	2979	2917	972	703	7571
Madison	1506	3734	1952	982	8174	2208	3949	997	668	7822
Mahaska	3493	5784	2767	1814	13858	4907	5805	1604	1529	13845
Marion	4946	7511	3907	2425	18789	6312	7169	2041	1818	17340
Marshall	4657	10031	6907	4040	25635	6375	10918	4285	3579	25157
Mills	2057	3374	2089	1088	8608	2688	3463	1028	812	7991
Mitchell	1770	3167	1614	814	7365	2330	3324	1172	632	7458
Monona	1902	3139	1278	727	7046	2707	3357	866	615	7545
Monroe	1332	2406	1292	437	5467	1986	2672	683	374	5715
Montgomery	1663	3583	1995	1059	8300	2666	3701	1311	894	8572
Muscatine	6321	9591	6049	3279	25240	7747	9085	3499	2727	23058
O'Brien	2722	3793	2476	1299	10290	3676	4043	1407	1211	10337
Osceola	1336	1941	1042	478	4797	2035	1916	683	429	5063
Page	2502	4810	2591	1551	11454	3724	5294	1831	1309	12158
Palo Alto	1625	2654	1845	900	7024	2295	3164	1200	854	7513
Plymouth	3211	5885	3301	2196	14593	4625	5924	1873	1682	14104
Pocahontas	1313	2675	1758	844	6590	2190	3184	1071	690	7135
Polk	30479	68537	60219	49930	209165	37624	74204	31614	34059	177501
Pottawattamie	12109	21779	13244	5832	52964	15719	23077	6202	4557	49555
Poweshiek	2204	5472	2373	1943	11992	2997	5185	1347	1650	11179
Ringgold	844	1717	885	394	3840	1318	1944	453	339	4054
Sac	1891	3497	1891	1060	8339	3096	3693	1180	940	8909
Scott	17460	30497	25574	20583	94114	23056	35122	14829	16479	89486
Shelby	1856	3970	1889	1131	8846	2686	4265	1137	857	8945
Sioux	4854	5965	3875	2481	17175	6625	5499	2116	1942	16182
Story	3434	9595	10596	14703	38328	4907	11169	6420	11531	34027
Tama	2808	5005	2489	1304	11606	4031	5458	1273	1208	11970
Taylor	1217	2292	941	422	4872	1923	2522	589	386	5420
Union	1763	3557	1989	1069	8378	2715	3980	1042	783	8520
Van Buren	1299	2428	919	494	5140	1831	2523	542	451	5347
Wapello	6197	9652	5544	2633	24026	8784	10639	3186	2487	25096
Warren	2876	9710	5993	3584	22163	4204	9883	2645	2697	19429
Washington	2985	5605	2848	1511	12949	3772	5325	1675	1437	12209
Wayne	1416	2239	928	419	5002	2025	2558	474	427	5484
Webster	5729	9986	7141	3637	26493	7828	11090	4984	3442	27344
Winnebago	1691	2729	2368	1107	7895	2481	3182	1427	841	7931
Winneshiek	2918	5106	2243	2118	12385	4501	4393	1251	1553	11698
Woodbury	13270	23182	14637	10220	61309	16687	25284	8167	8750	58888
Worth	1208	2131	1534	598	5471	1908	2422	991	478	5799
Wright	2214	3818	2741	1118	9891	3033	4498	1732	1056	10319
State of Iowa	353800	684368	439238	299392	1776798	483956	729369	249722	237055	1700102

Table 2. Residents 25 Years of Age or Older Completing Selected Years of Education in Iowa Counties, 1960 and 1970.

County	1970					1960				
	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older
Adair	2568	2392	549	398	5907	3742	2197	445	182	6566
Adams	1862	1444	394	244	3944	2572	1330	373	159	4434
Allamakee	4240	3110	657	373	8380	5632	2246	592	362	8832
Appanoose	4866	3150	661	485	9162	6552	2642	696	328	10218
Audubon	3002	2026	343	238	5609	3854	1775	386	222	6237
Benton	5664	5226	1267	717	12874	7543	3856	1198	519	13116
Black Hawk	25090	26715	8253	6715	66773	31838	20130	7190	4803	63961
Boone	6623	6130	1781	964	15498	9318	4836	1581	837	16572
Bremer	5089	4408	1448	1063	12008	6567	2940	1084	653	11244
Buchanan	4760	4794	1107	699	11360	6684	3585	1124	600	11993
Buena Vista	4377	4810	1540	1027	11754	5805	3947	1614	791	12157
Butler	4985	3450	920	456	9811	6050	2766	862	328	10006
Calhoun	3740	3319	951	627	8637	4890	3072	869	393	9224
Carroll	6259	4062	1090	739	12150	7823	3140	906	565	12434
Cass	4229	4159	1103	866	10357	5598	3603	898	586	10685
Cedar	4362	3942	1169	695	10168	5637	3074	985	448	10144
Cerro Gordo	10629	10478	3881	2680	27668	14297	8617	3459	1772	28145
Cherokee	3672	4109	1160	766	9707	5703	3520	1143	480	10846
Chickasaw	4016	3065	701	333	8115	5000	2303	605	340	8248
Clarke	2206	1983	366	204	4759	3007	1586	347	181	5121
Clay	3616	4580	1285	927	10408	4798	3711	1264	678	10451
Clayton	6361	4055	929	468	11813	7642	3465	1061	418	12586
Clinton	12825	12467	3171	2456	30919	17033	9981	2560	1679	31253
Crawford	4989	3876	843	602	10310	6807	2763	663	311	10544
Dallas	5456	6668	1631	1017	14772	7143	4949	1296	828	14216
Davis	2596	1665	483	281	5025	3383	1412	491	177	5463
Decatur	2713	1871	489	422	5495	3538	1645	628	349	6160
Delaware	4424	3851	773	522	9570	5794	2831	825	323	9773
Des Moines	10900	10599	2939	2042	26480	14157	8061	2295	1492	26005
Dickinson	2963	3116	940	532	7551	3686	2563	740	373	7362
Dubuque	19857	15311	4128	4422	43718	24258	10932	2950	2863	41003
Emmet	3289	2816	1014	495	7614	4165	2489	966	396	8016
Fayette	6569	5783	1445	960	14757	8690	4860	1590	838	15978
Floyd	4554	4864	1258	833	11509	6340	3982	1014	666	12002
Franklin	3704	2917	1017	435	8073	5037	2650	968	345	9000
Fremont	2377	2251	680	427	5735	3164	2080	689	327	6260
Greene	3097	3111	883	534	7625	4185	2946	759	458	8348
Grundy	3575	3195	964	543	8277	4523	2605	772	323	8223
Guthrie	3641	3034	513	340	7528	4727	2549	579	269	8124
Hamilton	4040	4444	1364	776	10624	5759	3863	1142	605	11369
Hancock	3368	3034	917	380	7699	4548	2448	802	287	8085
Hardin	5228	4843	1786	986	12843	6981	3980	1610	726	13297
Harrison	4571	3905	608	407	9491	5985	3127	741	322	10175
Henry	4241	3683	1259	1086	10269	6132	3121	1029	721	11003
Howard	3484	2458	578	189	6709	4799	1688	469	344	7300
Humboldt	2786	3070	769	522	7147	3559	2533	868	387	7347
Ida	2562	2107	530	319	5518	3545	1873	459	229	6106
Iowa	3980	3545	779	504	8808	5353	2723	763	398	9237
Jackson	5672	3995	974	539	11180	7265	2942	754	339	11300
Jasper	8673	8110	1905	1454	20142	10981	6425	1553	910	19869

Table 2. Residents 25 Years of Age or Older Completing Selected Years of Education in Iowa Counties, 1960 and 1970 (continued).

County	1970					1960				
	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older
Jefferson	3488	3392	873	902	8655	4645	2692	927	728	8992
Johnson	7443	9739	4766	9778	31726	10054	6699	3613	5666	26032
Jones	4776	4243	1047	688	10754	6221	3517	1081	432	11251
Keokuk	3582	3551	721	498	8352	5117	3012	747	347	9223
Kossuth	5299	5175	1298	776	12548	7417	4145	1276	632	13470
Lee	10907	9448	2356	1740	24451	15019	7665	1774	1361	25819
Linn	27404	36568	10793	10052	84817	34858	24670	8268	7007	74803
Louisa	2365	2546	714	428	6053	3208	1902	556	265	5931
Lucas	3024	2485	528	302	6339	4184	1886	488	329	6887
Lyon	4016	2213	585	444	7258	5113	1715	590	269	7687
Madison	2868	3153	661	335	7017	3942	2474	616	291	7323
Mahaska	6270	4747	1091	952	13060	8450	3679	1110	717	13956
Marion	7729	5072	1223	1066	15090	9726	3748	986	893	15353
Marshall	8798	9337	2879	1906	22920	11144	7087	2527	1264	22022
Mills	2698	2898	558	395	6549	4435	2053	642	337	7467
Mitchell	3402	2857	734	430	7423	4239	2453	734	330	7756
Monona	3448	2823	660	429	7360	4825	2347	647	328	8147
Monroe	2826	2161	359	305	5651	3851	1789	424	198	6262
Montgomery	3453	3017	1027	523	8020	4691	2746	1044	461	8942
Muscatine	9692	6766	2161	1760	20379	11828	4909	1477	1080	19294
O'Brien	4787	3556	1061	711	10115	6346	2874	951	510	10681
Osceola	2706	1571	420	172	4869	3576	1412	401	173	5562
Page	4993	4304	1475	888	11660	7301	3810	1468	782	13361
Palo Alto	3122	2970	828	487	7407	4115	2522	826	433	7896
Plymouth	5812	4572	1253	1041	12678	7630	3432	1175	668	12905
Pocahontas	2938	3071	808	485	7302	4155	2675	844	371	8045
Polk	49233	63834	21246	19656	153969	65706	50198	17775	14104	147783
Pottawattamie	21041	18320	3963	2545	45869	24843	14679	3525	1879	44926
Poweshiek	3755	4285	1014	1216	10270	5125	3648	972	790	10535
Ringgold	1831	1761	314	175	4081	2493	1703	420	161	4777
Sac	4101	3548	868	630	9147	5426	2967	886	424	9703
Scott	31217	26936	8080	7950	74183	35766	18427	6230	4916	65339
Shelby	3661	3518	756	513	8448	4936	2717	537	318	8508
Sioux	7940	3856	1336	999	14131	9547	2704	889	515	13655
Story	6506	9146	4024	7666	27342	8675	7157	3627	4682	24141
Tama	5407	4658	1126	526	11717	7212	3628	1108	469	12417
Taylor	2672	2186	492	301	5651	3898	1769	595	190	6452
Union	3344	3296	979	506	8125	4704	2668	758	301	8431
Van Buren	2553	2087	451	292	5383	3462	1808	443	260	5973
Wapello	12247	8893	2206	1441	24787	15856	7710	1899	1392	26857
Warren	4393	6692	1611	1265	13961	5239	3818	1173	797	11027
Washington	4793	4161	1135	780	10869	6019	3451	1103	616	11189
Wayne	2563	2199	489	277	5528	3747	1969	406	260	6382
Webster	10497	10068	3655	2184	26404	13661	8247	2989	1575	26472
Winnebago	3294	2632	942	569	7437	4116	2059	785	394	7354
Winneshiek	5725	3304	994	965	10988	7178	2604	1080	611	11473
Woodbury	22736	20932	6733	5507	55908	32638	17527	5488	4280	59933
Worth	2526	2022	608	271	5427	3289	1753	588	250	5880
Wright	4135	4084	1358	683	10260	5657	3527	1273	564	11021
State of Iowa	632366	596649	171454	140119	1540588	827372	467013	148398	98550	1541333

Table 3. Residents 25 Years of Age or Older Completing Selected Years of Education in Iowa Counties, 1940 and 1950.

County	1950					1940				
	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older
Adair	4735	1930	415	175	7460	5674	1400	342	183	7613
Adams	3300	1170	365	135	5065	4397	843	294	130	5671
Allamakee	6625	1610	570	290	9395	7816	1160	391	270	9733
Appanoose	8565	2450	535	315	12110	10871	1816	560	321	13737
Audubon	4610	1330	345	120	6585	5138	926	297	153	6525
Benton	8425	3275	900	430	13300	9738	2209	799	381	13214
Black Hawk	31910	15165	6060	3430	57665	29353	9279	4688	2427	46822
Boone	9915	4050	1220	595	17085	12962	2883	940	491	17434
Bremer	7010	2340	885	325	10840	7814	1306	705	341	10298
Buchanan	7140	2900	820	345	13125	9131	2085	877	372	12626
Buena Vista	6930	3595	1305	700	12765	7725	1995	1172	541	11503
Butler	7020	1925	815	270	10195	7743	1348	676	252	10075
Calhoun	6035	2515	835	345	9895	7151	1742	678	320	9940
Carroll	8490	2565	925	640	13065	9103	1776	646	429	12019
Cass	6815	3100	905	365	11400	7835	2211	693	357	11137
Cedar	6480	2440	695	420	10255	7381	1587	759	330	10180
Cerro Gordo	14445	7330	2640	1520	26875	16012	5200	2257	1082	24871
Cherokee	7215	2945	745	440	11510	6843	1757	691	378	11409
Chickasaw	6055	1890	490	225	8835	6612	1394	366	224	8686
Clarke	3870	1350	325	210	5810	4361	1027	354	147	5929
Clay	5650	3035	1270	465	10635	6541	2043	828	424	10008
Clayton	9240	2610	885	420	13415	10839	1914	750	381	13987
Clinton	18405	7725	2200	1240	30165	20005	4650	1518	882	27121
Crawford	7885	2225	655	235	11385	8970	1510	552	297	11382
Dallas	8110	4015	1405	475	14255	10061	2823	955	533	14560
Davis	4205	1100	435	185	6010	4976	724	358	133	6372
Decatur	4780	1580	515	250	7255	5789	1259	529	209	7961
Delaware	6265	2115	770	395	9810	7180	1688	755	399	10088
Des Moines	15345	6660	2015	1080	25865	16521	3363	1387	807	22904
Dickinson	4200	2110	770	310	7530	4600	1342	588	236	6835
Dubuque	25500	8765	2505	2330	39970	27057	5508	1600	1673	36332
Emmet	4855	2075	815	375	8320	5223	1248	641	256	7472
Fayette	10315	3990	1310	705	16645	11908	2981	1027	566	16625
Floyd	7380	3225	1185	510	12465	8162	2175	938	451	11779
Franklin	5930	2190	680	315	9225	6906	1356	597	282	9238
Fremont	4320	1920	625	245	7280	5644	1598	649	307	8230
Greene	5025	2500	710	455	8880	6545	1969	615	345	9517
Grundy	5325	1630	685	215	7980	5740	1188	582	239	7835
Guthrie	5680	2145	605	235	8830	7219	1739	460	295	9733
Hamilton	7040	2795	1180	400	11745	7868	1975	778	382	11105
Hancock	5145	1875	725	290	8290	6150	1165	640	240	8301
Hardin	8150	3230	1380	770	13790	8883	2125	1252	595	13062
Harrison	7345	2595	635	305	11130	9263	2065	655	349	12398
Henry	6935	2725	990	675	11580	7939	1707	967	510	11403
Howard	5305	1360	495	230	7550	5904	1084	375	230	7649
Humboldt	4285	1980	715	250	7505	5156	1360	576	268	7407
Ida	4155	1245	390	230	6120	4770	916	363	213	6327
Iowa	6275	1900	545	305	9610	7407	1553	470	266	9790
Jackson	7160	1975	565	330	10470	8614	1561	532	256	11057
Jasper	11645	4750	1170	800	18695	12493	3249	1227	632	17805

Table 3. Residents 25 Years of Age or Older Completing Selected Years of Education in Iowa Counties, 1940 and 1950 (continued).

County	1950					1940				
	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older	Less than 4 Yrs H.S.	4 Yrs H.S.	1-3 Yrs College	4 Yrs or More College	Total Age 25 or Older
Jefferson	5575	2295	855	615	9500	6442	1621	687	456	9447
Johnson	10425	5390	3395	4620	24515	11243	3970	1858	2562	19860
Jones	7325	2405	795	380	11105	8614	1725	673	347	11386
Keokuk	6525	2680	765	275	10425	7951	1917	665	331	10897
Kossuth	9130	2905	1030	620	14115	10073	2203	903	492	13816
Lee	16595	6195	1680	1015	26200	19016	3867	1216	705	25164
Linn	35315	17455	6520	4545	64660	35169	11705	4582	3374	55294
Louisa	3850	1645	565	205	6355	4592	1122	530	216	6523
Lucas	4890	1635	615	245	7590	6226	1372	455	217	8370
Lyon	5615	1300	450	230	7740	6395	958	417	224	8031
Madison	4695	2035	745	145	7785	5980	1525	533	229	8342
Mahaska	9470	3405	1085	630	14850	11351	2459	1028	657	15634
Marion	11010	3100	825	510	15785	12412	1873	870	519	15985
Marshall	12140	5965	1850	1070	22035	13336	4051	1690	855	20821
Mills	4275	1730	415	190	7915	5346	1253	560	258	8545
Mitchell	4945	1905	740	290	8015	5917	1295	526	251	8054
Monona	5895	2060	725	360	9160	7189	1631	561	288	9744
Monroe	5240	1400	330	205	7255	6562	1023	334	177	8144
Montgomery	5530	2460	1025	350	9545	6347	1814	844	355	9422
Muscatine	12925	3745	1245	720	19190	14362	2632	925	602	18690
O'Brien	7150	2440	720	415	10960	7806	1783	666	363	10816
Osceola	3895	1220	230	160	5615	4339	671	282	154	5511
Page	8775	3610	1435	760	15165	10587	2773	1284	624	15374
Palo Alto	5180	2180	730	320	8710	5855	1478	615	297	8363
Plymouth	8655	2495	890	500	12760	9853	1740	746	470	12956
Pocahontas	5095	2155	700	355	8495	6085	1545	666	291	8676
Polk	67655	40575	14200	10965	136755	68205	29034	10724	7990	117810
Pottawattamie	25300	10275	2715	1435	40650	27506	7051	2297	1233	38297
Poweshiek	6390	2495	1005	660	10745	7479	2152	771	593	11104
Ringgold	3555	1500	440	175	5770	4318	1260	413	159	6378
Sac	6205	2335	835	505	10020	7071	1705	700	344	9898
Scott	35930	14265	4495	3660	60145	38231	8669	3300	2417	52779
Shelby	5810	1820	545	305	8710	6856	1273	449	231	8837
Sioux	10080	2050	700	450	13495	11128	1482	520	382	13622
Story	9360	5740	3610	3870	22935	10771	3692	2121	2289	19313
Tama	8420	2980	875	415	12900	9431	2153	834	406	13034
Taylor	5125	1890	445	215	7830	6312	1304	461	211	8326
Union	5900	2425	795	310	9550	6878	1969	605	331	9859
Van Buren	4410	1580	415	210	6885	5430	1276	395	207	7424
Wapello	17965	6590	2010	1160	28375	19095	4264	1489	907	26042
Warren	5800	2525	980	505	9955	6792	1802	840	435	10071
Washington	7040	2900	1035	510	11710	8089	2064	916	407	11649
Wayne	5215	1780	350	155	7595	6068	1168	383	194	7936
Webster	15075	6395	2360	1240	25775	16296	4149	1962	975	23570
Winnebago	4890	1435	730	275	7560	5762	988	556	232	7604
Winneshiekie	8965	1545	915	385	12045	10073	1430	544	413	12654
Woodbury	35285	15740	4910	3500	60970	39949	11971	4408	3007	59912
Worth	4280	1420	485	195	6530	5007	900	373	150	6468
Wright	6480	2880	1145	425	11195	7656	2007	914	412	11130
State of Iowa	922700	372870	126980	77575	1539185	1031444	257551	101440	61024	1471287

Table 4. Percentage of Residents 25 or Older Completing at Least Four Years of High School or at Least Four Years of College in Iowa Counties, 1940-1990.

County	% Completed At Least Four Years of High School						% Completed At Least Four Years of College					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Adair	77.5	68.6	56.5	43.0	33.8	25.3	9.8	8.8	6.7	2.8	2.3	2.4
Adams	77.1	70.0	52.8	42.0	33.0	22.3	9.4	9.9	6.2	3.6	2.7	2.3
Allamakee	75.9	62.5	49.4	36.2	26.3	18.7	8.9	9.4	4.5	4.1	3.1	2.8
Appanoose	72.1	62.0	46.9	35.9	27.3	19.6	11.5	9.1	5.3	3.2	2.6	2.3
Audubon	71.7	63.4	46.5	38.2	27.3	21.1	9.8	9.0	4.2	3.6	1.8	2.3
Benton	78.2	68.2	56.0	42.5	34.6	25.6	9.6	8.6	5.6	4.0	3.2	2.9
Black Hawk	80.4	73.9	62.4	50.2	42.8	35.0	17.3	15.4	10.1	7.5	5.9	5.2
Boone	80.8	70.6	57.3	43.8	34.3	24.7	13.7	12.1	6.2	5.1	3.5	2.8
Bremer	78.5	71.4	57.6	41.6	32.7	22.8	15.1	13.9	8.9	5.8	3.0	3.3
Buchanan	78.4	70.3	58.1	44.3	31.0	26.4	11.2	9.3	6.2	5.0	2.6	2.9
Buena Vista	82.1	74.4	62.8	52.2	43.9	32.2	15.2	14.6	8.7	6.5	5.5	4.7
Butler	71.8	63.0	49.2	39.5	29.5	22.6	9.4	7.2	4.6	3.3	2.6	2.5
Calhoun	78.9	68.0	56.7	47.0	37.3	27.6	11.6	9.6	7.3	4.3	3.5	3.2
Carroll	74.6	63.2	48.5	37.1	31.6	23.7	11.3	9.6	6.1	4.5	4.9	3.6
Cass	80.7	70.6	59.2	47.6	38.3	29.3	12.5	9.9	8.4	5.5	3.2	3.2
Cedar	79.3	70.1	57.1	44.4	34.7	26.3	12.8	10.6	6.8	4.4	4.1	3.2
Cerro Gordo	81.3	72.5	61.6	49.2	42.8	34.3	15.5	13.8	9.7	6.3	5.7	4.4
Cherokee	81.3	74.2	62.2	47.4	35.9	24.8	10.8	11.7	7.9	4.4	3.8	3.3
Chickasaw	75.2	67.1	50.5	39.4	29.5	22.8	9.9	8.5	4.1	4.1	2.5	2.6
Clarke	77.6	66.7	53.6	41.3	32.4	25.8	8.8	7.9	4.3	3.5	3.6	2.5
Clay	84.8	75.5	65.3	54.1	44.9	32.9	14.5	12.8	8.9	6.5	4.4	4.2
Clayton	74.5	62.5	46.2	39.3	29.2	21.8	9.0	8.8	4.0	3.3	3.1	2.7
Clinton	77.4	70.6	58.5	45.5	37.0	26.0	12.9	10.8	7.9	5.4	4.1	3.3
Crawford	72.5	64.7	51.6	35.4	27.4	20.7	9.8	8.6	5.8	2.9	2.1	2.6
Dallas	83.6	75.7	63.1	49.8	41.4	29.6	16.3	13.3	6.9	5.8	3.3	3.7
Davis	71.9	63.7	48.3	38.1	28.6	19.1	10.5	7.2	5.6	3.2	3.1	2.1
Decatur	71.8	64.4	50.6	42.6	32.3	25.1	12.3	13.8	7.7	5.7	3.4	2.6
Delaware	78.3	65.8	53.8	40.7	33.4	28.2	11.0	8.1	5.5	3.3	4.0	4.0
Des Moines	78.9	70.7	58.8	45.6	37.7	24.3	12.7	11.5	7.7	5.7	4.2	3.5
Dickinson	84.1	74.9	60.8	49.9	42.4	31.7	17.5	13.7	7.0	5.1	4.1	3.5
Dubuque	77.7	68.6	54.6	40.8	34.0	24.2	16.8	15.0	10.1	7.0	5.8	4.6
Emmet	78.3	69.8	56.8	48.0	39.2	28.7	11.0	10.8	6.5	4.9	4.5	3.4
Fayette	76.6	67.8	55.5	45.6	36.1	27.5	11.8	11.3	6.5	5.2	4.2	3.4
Floyd	79.0	70.4	60.4	47.2	39.5	30.3	12.2	11.5	7.2	5.5	4.1	3.8
Franklin	79.4	68.8	54.1	44.0	34.5	24.2	12.3	10.2	5.4	3.8	3.4	3.1
Fremont	77.7	69.1	58.6	49.5	38.3	31.0	11.3	10.5	7.4	5.2	3.4	3.7
Greene	81.2	71.4	59.4	49.9	41.3	30.8	13.7	10.8	7.0	5.5	5.1	3.6
Grundy	79.5	70.3	56.8	45.0	31.7	25.6	12.3	10.0	6.6	3.9	2.7	3.1
Guthrie	78.0	66.0	51.6	41.8	33.8	25.6	9.9	7.2	4.5	3.3	2.7	3.0
Hamilton	79.5	72.9	62.0	49.3	37.2	28.2	12.8	11.2	7.3	5.3	3.4	3.4
Hancock	78.4	69.9	56.3	43.7	34.9	24.6	10.3	9.2	4.9	3.5	3.5	2.9
Hardin	78.5	68.1	59.3	47.5	39.0	30.4	12.4	11.0	7.7	5.5	5.6	4.6
Harrison	76.2	69.6	51.8	41.2	31.8	24.8	9.1	8.2	4.3	3.2	2.7	2.8
Henry	79.1	70.5	58.7	44.3	37.9	27.9	14.5	12.5	10.6	6.6	5.8	4.5
Howard	72.9	59.9	48.1	34.3	27.6	22.1	8.2	7.7	2.8	4.7	3.0	3.0
Humboldt	80.0	70.3	61.0	51.6	39.2	29.8	11.6	9.6	7.3	5.3	3.3	3.6
Ida	75.9	67.1	53.6	41.9	30.5	23.6	11.0	10.8	5.8	3.8	3.8	3.4
Iowa	76.4	67.8	54.8	42.0	28.6	23.4	11.1	9.5	5.7	4.3	3.2	2.7
Jackson	72.2	62.5	49.3	35.7	27.4	21.2	10.0	8.5	4.8	3.0	3.2	2.3
Jasper	77.6	69.2	56.9	44.7	35.9	28.7	12.7	9.8	7.2	4.6	4.3	3.5

Table 4. Percentage of Residents 25 or Older Completing at Least Four Years of High School or at Least Four Years of College in Iowa Counties, 1940-1990 (continued).

County	% Completed At Least Four Years of High School						% Completed At Least Four Years of College					
	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Jefferson	82.3	74.1	59.7	48.3	39.6	29.3	26.5	18.5	10.4	8.1	6.5	4.8
Johnson	90.6	85.6	76.5	61.4	54.7	42.2	44.0	38.6	30.8	21.8	18.8	12.9
Jones	78.7	67.5	55.6	44.7	32.2	24.1	10.6	9.4	6.4	3.8	3.4	3.0
Keokuk	76.8	67.4	57.1	44.5	35.7	26.7	9.4	7.3	6.0	3.8	2.6	3.0
Kossuth	79.1	67.9	57.8	44.9	32.3	26.0	11.8	8.6	6.2	4.7	4.4	3.6
Lee	77.5	68.7	55.4	41.8	33.9	23.0	10.7	9.5	7.1	5.3	3.9	2.8
Linn	84.9	77.6	67.7	53.4	44.1	35.6	21.5	16.7	11.9	9.4	7.0	6.1
Louisa	76.3	68.1	60.9	45.9	38.0	28.6	9.2	8.5	7.1	4.5	3.2	3.3
Lucas	77.1	67.7	52.3	39.2	32.9	24.4	9.5	7.8	4.8	4.8	3.2	2.6
Lyon	70.4	60.7	44.7	33.5	25.6	19.9	10.2	9.3	6.1	3.5	3.0	2.8
Madison	81.6	71.8	59.1	46.2	37.6	27.4	12.0	8.5	4.8	4.0	1.9	2.7
Mahaska	74.8	64.6	52.0	39.5	34.5	26.5	13.1	11.0	7.3	5.1	4.2	4.2
Marion	73.7	63.6	48.8	36.7	28.1	20.4	12.9	10.5	7.1	5.8	3.2	3.2
Marshall	81.8	74.7	61.6	49.4	40.3	31.7	15.8	14.2	8.3	5.7	4.9	4.1
Mills	76.1	66.4	58.8	40.6	29.5	24.2	12.6	10.2	6.0	4.5	2.4	3.0
Mitchell	76.0	68.8	54.2	45.3	36.6	25.7	11.1	8.5	5.8	4.3	3.6	3.1
Monona	73.0	64.1	53.2	40.8	34.3	25.5	10.3	8.2	5.8	4.0	3.9	3.0
Monroe	75.6	65.2	50.0	38.5	26.7	18.8	8.0	6.5	5.4	3.2	2.8	2.2
Montgomery	80.0	68.9	56.9	47.5	40.2	32.0	12.8	10.4	6.5	5.2	3.7	3.8
Muscatine	75.0	66.4	52.4	38.7	29.8	22.3	13.0	11.8	8.6	5.6	3.8	3.2
O'Brien	73.5	64.4	52.7	40.6	32.6	26.0	12.6	11.7	7.0	4.8	3.8	3.4
Osceola	72.1	59.8	44.4	35.7	28.7	20.1	10.0	8.5	3.5	3.1	2.8	2.8
Page	78.2	69.4	57.2	45.4	38.3	30.4	13.5	10.8	7.6	5.9	5.0	4.1
Palo Alto	76.9	69.5	57.9	47.9	37.1	28.6	12.8	11.4	6.6	5.5	3.7	3.6
Plymouth	78.0	67.2	54.2	40.9	30.4	22.8	15.0	11.9	8.2	5.2	3.9	3.6
Pocahontas	80.1	69.3	59.8	48.4	37.8	28.8	12.8	9.7	6.6	4.6	4.2	3.4
Polk	85.4	78.8	68.0	55.5	48.1	40.5	23.9	19.2	12.8	9.5	8.0	6.8
Pottawattamie	77.1	68.3	54.1	44.7	35.5	27.6	11.0	9.2	5.5	4.2	3.5	3.2
Poweshiek	81.6	73.2	63.4	51.4	38.7	31.7	16.2	14.8	11.8	7.5	6.1	5.3
Ringgold	78.0	67.5	55.1	47.8	36.7	28.7	10.3	8.4	4.3	3.4	3.0	2.5
Sac	77.3	65.2	55.2	44.1	36.7	27.8	12.7	10.6	6.9	4.4	5.0	3.5
Scott	81.4	74.2	57.9	45.3	37.3	27.3	21.9	18.4	10.7	7.5	6.1	4.6
Shelby	79.0	70.0	56.7	42.0	30.7	22.1	12.8	9.6	6.1	3.7	3.5	2.6
Sioux	71.7	59.1	43.8	30.1	23.7	17.5	14.4	12.0	7.1	3.8	3.3	2.8
Story	91.0	85.6	76.2	64.1	57.6	42.0	38.4	33.9	28.0	19.4	16.9	11.9
Tama	75.8	66.3	53.9	41.9	33.1	26.0	11.2	10.1	4.5	3.8	3.2	3.1
Taylor	75.0	64.5	52.7	39.6	32.6	23.7	8.7	7.1	5.3	2.9	2.7	2.5
Union	79.0	68.1	58.8	44.2	37.0	29.5	12.8	9.2	6.2	3.6	3.2	3.4
Van Buren	74.7	65.8	52.6	42.0	32.0	25.3	9.6	8.4	5.4	4.4	3.1	2.8
Wapello	74.2	65.0	50.6	41.0	34.4	25.6	11.0	9.9	5.8	5.2	4.1	3.5
Warren	87.0	78.4	68.5	52.5	40.3	30.6	16.2	13.9	9.1	7.2	5.1	4.3
Washington	76.9	69.1	55.9	46.2	38.0	29.1	11.7	11.8	7.2	5.5	4.4	3.5
Wayne	71.7	63.1	53.6	41.3	30.1	22.0	8.4	7.8	5.0	4.1	2.0	2.4
Webster	78.4	71.4	60.2	48.4	38.8	30.1	13.7	12.6	8.3	5.9	4.8	4.1
Winnebago	78.6	68.7	55.7	44.0	32.3	23.4	14.0	10.6	7.7	5.4	3.6	3.1
Winneshiek	76.4	61.5	47.9	37.4	23.6	18.9	17.1	13.3	8.8	5.3	3.2	3.3
Woodbury	78.4	71.7	59.3	45.5	39.6	32.4	16.7	14.9	9.9	7.1	5.7	5.0
Worth	77.9	67.1	53.5	44.1	32.2	22.0	10.9	8.2	5.0	4.3	3.0	2.3
Wright	77.6	70.6	59.7	48.7	39.7	29.9	11.3	10.2	6.7	5.1	3.8	3.7
State of Iowa	80.1	71.5	59.0	46.3	37.5	28.5	16.9	13.9	9.1	6.4	5.0	4.1

Percentages Completing Four or More Years of College

Differences also are evident on the percentage completing four or more years of college (Table 4, Figure 3). Indeed, there is a greater range across counties on this factor (8.0% to 44.0%) than on the percentage finishing high school (70.4% to 91.0%) in 1990. In Johnson and Story counties, about two of every five residents completed at least four years of college. Jefferson was the only other county in which at least a quarter of the residents had that much education. Percentages ranged from 21 to 24 in Linn, Polk, and Scott. Less than 10% of the residents aged 25 or older in 20 counties completed at least four years of college (Figure 4); six counties were under 9% (Allamakee, Clarke, Howard, Monroe, Taylor, Wayne), although none was below 8% in 1990. A half-century earlier, the percentages completing college ranged from 2 to 13; only Johnson and Story were above 10%.

Figure 1. Percent age 25+ that completed high school, Iowa, 1940-1990.

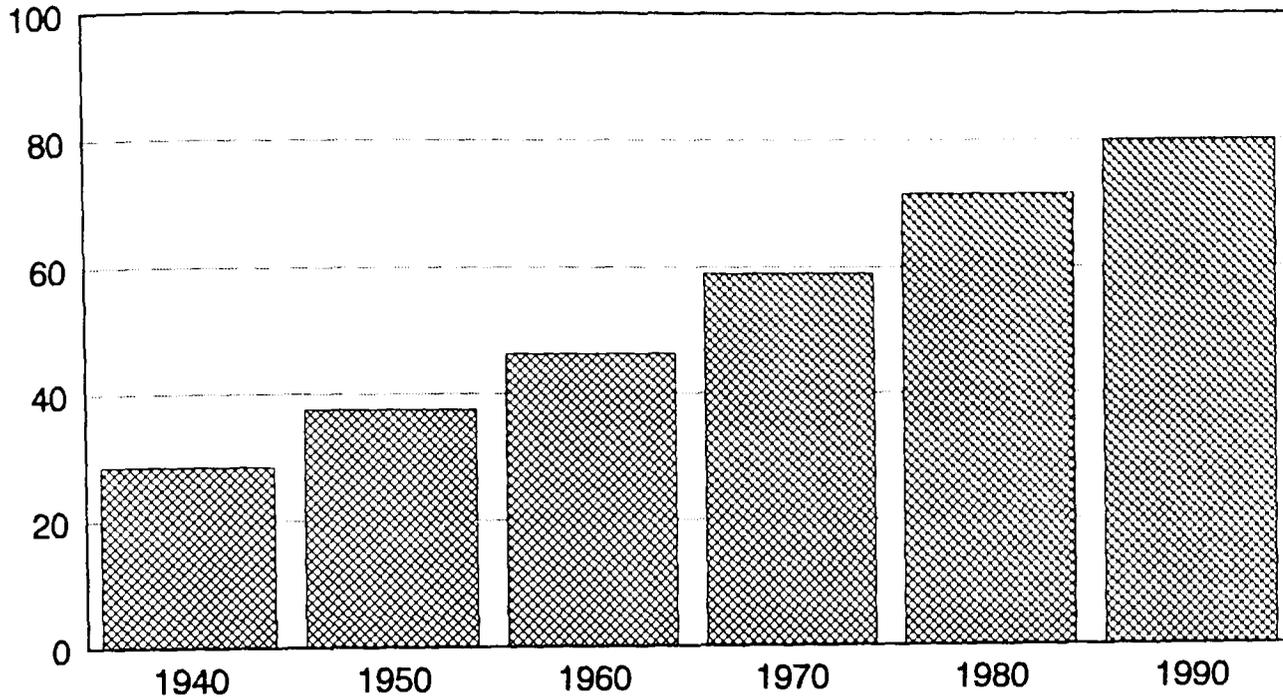
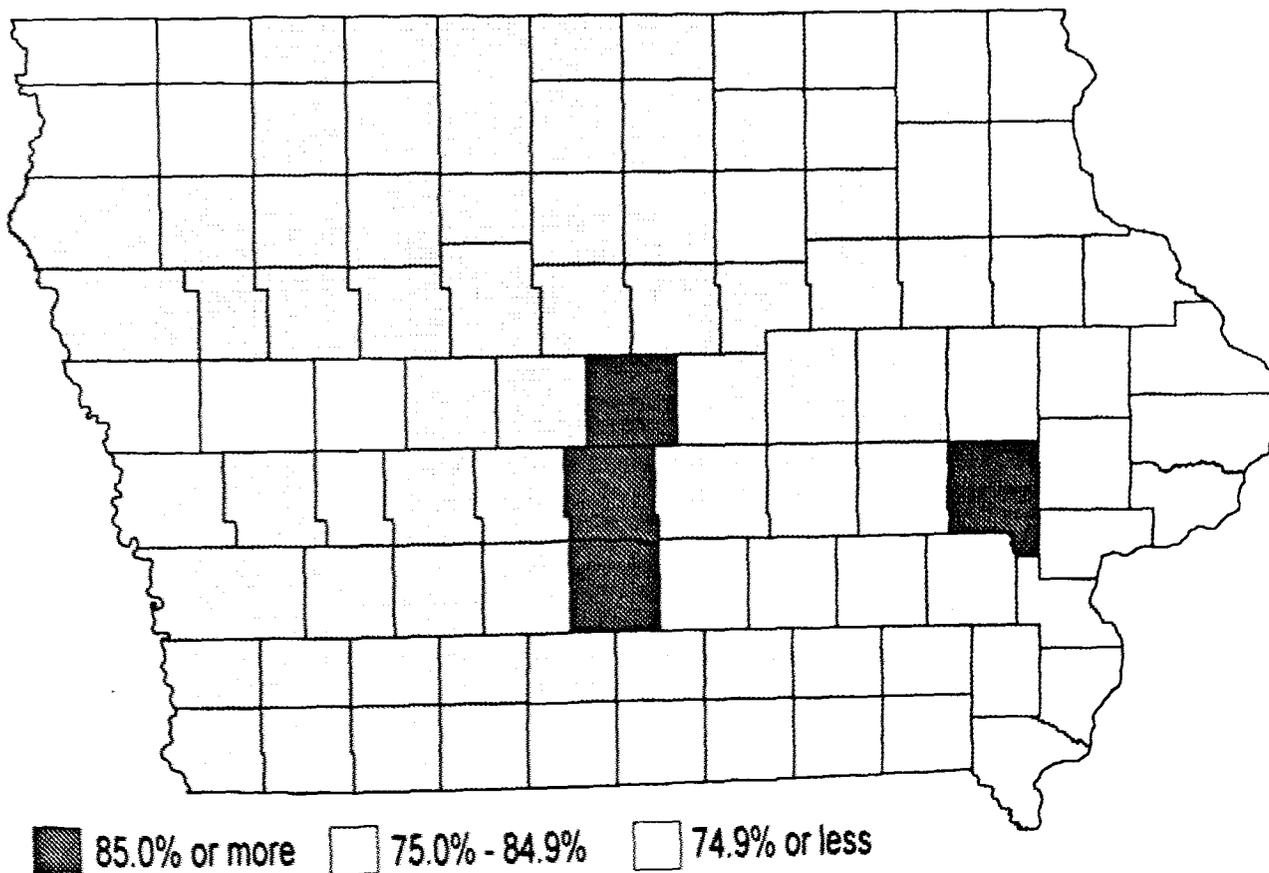


Figure 2. Percent age 25+ completing high school, 1990.



Labor Force Status by Sex in Iowa's Counties: 1950-1990

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The U.S. Bureau of the Census reports participation in the labor force as part of the decennial population census. Persons are considered to be in the labor force if they worked at any time during the census reference week; had jobs from which they were temporarily absent due to illness, vacation, bad weather, industrial dispute, or other personal reasons; were on layoff; or were unemployed but looking and available for work during the previous four weeks. Labor force status is reported for anyone 16 years of age or older in the 1970, 1980, and 1990 censuses; for 1950 and 1960, however, information was provided for persons 14 years of age and older.

The numbers in this section may differ from those reported in "Estimated Employment and Unemployment in Iowa's Counties: 1978-1991;" those figures, which are estimates provided by the Iowa Department of Employment Services, are based on information obtained monthly and then averaged over a calendar year. The census asks only about labor force status as of the census reference week, which was the calendar week preceding the date on which respondents completed their questionnaires or were interviewed by enumerators; this week is not the same for all respondents because the enumeration was not completed in one week.

Questions on participation in the labor force are included on the census bureau's long form, which is 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.

Labor Force Participation

Iowa experienced labor force growth between each census from 1950 through 1990 (Tables 1-5); about 1,406,500 persons were in the labor force in 1990. Nearly 247,000 were added between 1970 and 1980, the single largest jump across the last four decades; growth in the 1970s accounted for 64.1% of the increase over the entire 40-year period. The increase of 31,000 between 1980 and 1990 was smaller than any decade, although the gain of 32,500 in the 1950s was only slightly larger. Civilians made up virtually all of Iowa's labor force in 1990 (99.8%) and in each of these census years. The civilian designation excludes persons on active duty with the U.S. Armed Forces.

Numbers in the 1990 labor force across Iowa's 99 counties varied from fewer than 3,000 in Adams and Ringgold to more than 50,000 in Black Hawk, Johnson, Linn, Polk, and Scott. The five with at least 50,000 participants had a third (33.5%) of Iowa's labor force that year. Black Hawk, Linn, Polk, Scott, and Woodbury had the highest numbers in the labor force in 1950; they accounted for a quarter (26.5%) of the participants that year.

Although the labor force in Iowa increased by nearly 385,000 (37.6%) between 1950 and 1990, not all the counties followed this pattern. Thirty-eight had a smaller labor force in 1990 than 40 years earlier; 10 of these (Greene, Monona, Page, Palo Alto, Pocahontas, Ringgold, Taylor, Van Buren,

Table 1. Labor Force Status by Sex in Iowa Counties, 1990.

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Adair	3974	3965	3847	118	2546	1711	1711	1650	61	1732	2263	2254	2197	57	814
Adams	2388	2388	2314	74	1432	1024	1024	1001	23	960	1364	1364	1313	51	472
Allamakee	6765	6765	6500	265	3680	3036	3036	2941	95	2403	3729	3729	3559	170	1277
Appanoose	6081	6076	5657	419	4615	2702	2702	2554	148	2989	3379	3374	3103	271	1626
Audubon	3493	3493	3391	102	2173	1559	1559	1508	51	1421	1934	1934	1883	51	752
Benton	10870	10868	10265	603	5969	4852	4852	4644	208	3856	6018	6016	5621	395	2113
Black Hawk	60357	60245	56595	3650	35322	28599	28583	26894	1689	22571	31758	31662	29701	1961	12751
Boone	12261	12238	11815	423	7346	5744	5744	5584	160	4660	6517	6494	6231	263	2686
Bremer	11236	11215	10809	406	6499	5004	5004	4813	191	4238	6232	6211	5996	215	2261
Buchanan	9326	9323	8746	577	5764	4014	4014	3798	216	3800	5312	5309	4948	361	1964
Buena Vista	9883	9876	9575	301	5408	4330	4330	4144	186	3678	5553	5546	5431	115	1730
Butler	7249	7246	6902	344	4816	3111	3111	2992	119	3200	4138	4135	3910	225	1616
Calhoun	4944	4931	4764	167	4005	2225	2224	2164	60	2568	2719	2707	2600	107	1437
Carroll	10201	10191	9818	373	5440	4651	4651	4460	191	3600	5550	5540	5358	182	1840
Cass	7286	7274	6845	429	4385	3269	3269	3140	129	2985	4017	4005	3705	300	1400
Cedar	8769	8760	8510	250	4416	3959	3959	3832	127	2838	4810	4801	4678	123	1578
Cerro Gordo	23948	23917	22847	1070	12367	11525	11525	11065	460	8075	12423	12392	11782	610	4292
Cherokee	6629	6625	6374	251	4078	2955	2955	2830	125	2628	3674	3670	3544	126	1450
Chickasaw	6439	6435	6100	335	3524	2819	2819	2688	131	2274	3620	3616	3412	204	1250
Clarke	4118	4116	3839	277	2231	1911	1911	1800	111	1454	2207	2205	2039	166	777
Clay	8707	8687	8506	181	4446	4010	4010	3907	103	2995	4697	4677	4599	78	1451
Clayton	8960	8955	8566	389	5378	3898	3897	3726	171	3460	5062	5058	4840	218	1918
Clinton	24783	24744	23025	1719	13943	11103	11101	10206	895	9304	13680	13643	12819	824	4639
Crawford	8076	8067	7732	335	4606	3412	3412	3272	140	3104	4664	4655	4460	195	1502
Dallas	15498	15461	14965	496	6826	7130	7128	6969	159	4555	8368	8333	7996	337	2271
Davis	3792	3792	3591	201	2482	1628	1628	1546	82	1641	2164	2164	2045	119	841
Decatur	3882	3871	3680	191	2715	1739	1736	1675	61	1696	2143	2135	2005	130	1019
Delaware	8519	8516	8158	358	4540	3678	3678	3518	160	3051	4841	4838	4640	198	1489
Des Moines	21442	21406	20136	1270	11376	9887	9876	9380	496	7549	11555	11530	10756	774	3827
Dickinson	7316	7305	7049	256	4440	3349	3349	3229	120	2830	3967	3956	3820	136	1610
Dubuque	44097	44012	42025	1987	21395	20423	20408	19619	789	13979	23674	23604	22406	1198	7416
Emmet	5355	5354	5084	270	3498	2413	2413	2282	131	2260	2942	2941	2802	139	1238
Fayette	10134	10111	9631	480	6508	4325	4325	4146	179	4293	5809	5786	5485	301	2215

Table 1. Labor Force Status by Sex in Iowa Counties, 1990 (continued).

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Floyd	8362	8354	7886	468	4783	3812	3812	3593	219	3172	4550	4542	4293	249	1611
Franklin	5505	5498	5204	294	3302	2439	2439	2333	106	2158	3066	3059	2871	188	1144
Fremont	3742	3734	3555	179	2567	1681	1681	1595	86	1678	2061	2053	1960	93	889
Greene	4689	4687	4551	136	3125	2126	2126	2070	56	2053	2563	2561	2481	80	1072
Grundy	5625	5625	5420	205	3656	2420	2420	2350	70	2485	3205	3205	3070	135	1171
Guthrie	5136	5136	4933	203	3361	2279	2279	2198	81	2197	2857	2857	2735	122	1164
Hamilton	8083	8081	7715	366	4370	3638	3638	3499	139	2863	4445	4443	4216	227	1507
Hancock	6097	6090	5777	313	3350	2684	2684	2542	142	2256	3413	3406	3235	171	1094
Hardin	8876	8844	8505	339	5966	3956	3956	3831	125	3823	4920	4888	4674	214	2143
Harrison	7015	7000	6680	320	4145	3214	3214	3086	128	2738	3801	3786	3594	192	1407
Henry	9555	9534	9134	400	5412	4385	4385	4216	169	3119	5170	5149	4918	231	2293
Howard	4436	4436	4296	140	3038	1903	1903	1820	83	1950	2533	2533	2476	57	1088
Humboldt	4835	4817	4616	201	3461	2059	2059	1962	97	2298	2776	2758	2654	104	1163
Ida	3776	3774	3682	92	2460	1622	1622	1577	45	1662	2154	2152	2105	47	798
Iowa	7682	7673	7463	210	3543	3548	3548	3445	103	2295	4134	4125	4018	107	1248
Jackson	9625	9623	9030	593	5365	4365	4365	4059	306	3429	5260	5258	4971	287	1936
Jasper	17460	17435	16785	650	9447	7914	7909	7605	304	6078	9546	9526	9180	346	3369
Jefferson	8355	8355	7949	406	4364	3663	3663	3483	180	2915	4692	4692	4466	226	1449
Johnson	56625	56570	54591	1979	21916	27179	27174	26371	803	12695	29446	29396	28220	1176	9221
Jones	9077	9063	8678	385	5885	4027	4027	3836	191	3146	5050	5036	4842	194	2739
Keokuk	5195	5190	4930	260	3713	2243	2243	2136	107	2442	2952	2947	2794	153	1271
Kossuth	8480	8473	8153	320	5452	3645	3645	3541	104	3692	4835	4828	4612	216	1760
Lee	18290	18245	17072	1173	11588	8369	8369	7749	620	7213	9921	9876	9323	553	4375
Linn	92953	92796	87606	5190	37853	43484	43433	41300	2133	25089	49469	49363	46306	3057	12764
Louisa	5727	5715	5382	333	3065	2363	2363	2207	156	2056	3364	3352	3175	177	1009
Lucas	4314	4301	3941	360	2754	1936	1936	1781	155	1863	2378	2365	2160	205	891
Lyon	5436	5435	5356	79	3256	2335	2335	2308	27	2230	3101	3100	3048	52	1026
Madison	6242	6230	5945	285	3248	2857	2857	2724	133	2083	3385	3373	3221	152	1165
Mahaska	10461	10431	9896	535	6002	4658	4646	4317	329	3946	5803	5785	5579	206	2056
Marion	14881	14877	14449	428	8161	6998	6998	6800	198	4970	7883	7879	7649	230	3191
Marshall	19485	19450	18622	828	10309	8906	8906	8554	352	6529	10579	10544	10068	476	3780
Mills	6311	6267	6037	230	3692	2967	2967	2853	114	2163	3344	3300	3184	116	1529
Mitchell	5044	5044	4877	167	3370	2220	2220	2163	57	2175	2824	2824	2714	110	1195

Table 1. Labor Force Status by Sex in Iowa Counties, 1990 (continued).

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In	Civilian		Not in	In	Civilian		Not in	In	Civilian		Not in			
	Labor	Labor	Employed	Unemployed		Labor	Labor			Employed	Unemployed		Labor	Labor	Employed
Force	Force	Employed	Unemployed	Force	Force	Force	Employed	Unemployed	Force	Force	Force	Employed	Unemployed	Force	
Monona	4428	4418	4193	225	3398	1935	1935	1859	76	2226	2493	2483	2334	149	1172
Monroe	3706	3692	3366	326	2532	1631	1631	1471	160	1662	2075	2061	1895	166	870
Montgomery	5922	5915	5682	233	3461	2703	2703	2579	124	2373	3219	3212	3103	109	1088
Muscatine	20181	20138	19093	1045	9670	8817	8817	8415	402	6726	11364	11321	10678	643	2944
O'Brien	7118	7099	6953	146	4592	3132	3128	3052	76	3038	3986	3971	3901	70	1554
Osceola	3429	3429	3327	102	2043	1431	1431	1397	34	1441	1998	1998	1930	68	602
Page	7986	7977	7658	319	5154	3612	3612	3441	171	3218	4374	4365	4217	148	1936
Palo Alto	4765	4754	4609	145	3368	2056	2056	2014	42	2214	2709	2698	2595	103	1154
Plymouth	11280	11271	10990	281	6081	4875	4875	4754	121	4130	6405	6396	6236	160	1951
Pocahontas	4266	4264	4153	111	3025	1850	1850	1804	46	2001	2416	2414	2349	65	1024
Polk	184151	183747	176499	7248	68645	89587	89549	86760	2789	45640	94564	94198	89739	4459	23005
Pottawattamie	42391	42222	40343	1879	20057	20103	20066	19257	809	12968	22288	22156	21086	1070	7089
Poweshiek	9739	9728	9299	429	5156	4503	4499	4313	186	3366	5236	5229	4986	243	1790
Ringgold	2487	2487	2374	113	1795	1053	1053	1019	34	1246	1434	1434	1355	79	549
Sac	5680	5671	5452	219	3682	2428	2428	2353	75	2469	3252	3243	3099	144	1213
Scott	77023	76702	72497	4205	36029	35783	35708	33999	1709	23617	41240	40994	38498	2496	12412
Shelby	6210	6206	5972	234	3782	2738	2738	2668	70	2442	3472	3468	3304	164	1340
Sioux	14910	14897	14668	229	6847	6677	6677	6559	118	4738	8233	8220	8109	111	2109
Story	41022	40972	39384	1588	19945	18348	18340	17617	723	11083	22674	22632	21767	865	8862
Tama	8114	8103	7694	409	5222	3594	3588	3439	149	3413	4520	4515	4255	260	1809
Taylor	3075	3072	2952	120	2442	1285	1285	1231	54	1690	1790	1787	1721	66	752
Union	6027	6017	5655	362	3796	2718	2718	2548	170	2577	3309	3299	3107	192	1219
Van Buren	3556	3543	3406	137	2331	1484	1484	1421	63	1577	2072	2059	1985	74	754
Wapello	16547	16529	15340	1189	11507	7567	7567	7033	534	7405	8980	8962	8307	655	4102
Warren	19674	19630	19042	588	7293	9263	9258	9018	240	4837	10411	10372	10024	348	2456
Washington	9970	9942	9612	330	4923	4576	4576	4434	142	3267	5394	5366	5178	188	1656
Wayne	3121	3121	3014	107	2476	1379	1379	1357	22	1598	1742	1742	1657	85	878
Webster	19064	19004	18044	960	11745	8717	8703	8307	396	7684	10347	10301	9737	564	4061
Winnebago	5909	5900	5596	304	3484	2651	2651	2510	141	2256	3258	3249	3086	163	1228
Winneshiek	10869	10866	10489	377	5368	4975	4975	4840	135	3430	5894	5891	5649	242	1938
Woodbury	48985	48825	46324	2501	24561	22440	22416	21454	962	16492	26545	26409	24870	1539	8069
Worth	3854	3850	3622	228	2386	1732	1732	1639	93	1553	2122	2118	1983	135	833
Wright	6891	6881	6563	318	4256	3099	3099	2978	121	2829	3792	3782	3585	197	1427
State of Iowa	1406503	1403883	1340242	63641	725200	646632	646293	619421	26872	471314	759871	757590	720821	36769	253886

Table 2. Labor Force Status by Sex in Iowa Counties, 1980.

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Adair	4159	4159	3993	166	3139	1558	1558	1498	60	2195	2601	2601	2495	106	944
Adams	2718	2716	2639	77	1753	1140	1140	1120	20	1155	1578	1576	1519	57	598
Allamakee	6744	6744	6274	470	4397	2704	2704	2591	113	3006	4040	4040	3683	357	1391
Appanoose	6289	6289	5600	689	5521	2596	2596	2356	240	3723	3693	3693	3244	449	1798
Audubon	3789	3789	3631	158	2741	1425	1425	1370	55	2006	2364	2364	2261	103	735
Benton	10740	10738	10236	502	6846	4241	4241	4050	191	4862	6499	6497	6186	311	1984
Black Hawk	66153	66122	62408	3714	37880	27893	27893	26133	1760	26706	38260	38229	36275	1954	11174
Boone	11939	11931	11379	552	8355	5048	5043	4850	193	5641	6891	6888	6529	359	2714
Bremer	11131	11108	10611	497	7367	4359	4359	4117	242	5193	6772	6749	6494	255	2174
Buchanan	9605	9605	9104	501	6550	3593	3593	3396	197	4639	6012	6012	5708	304	1911
Buena Vista	9587	9587	9281	306	6559	3881	3881	3735	146	4559	5706	5706	5546	160	2000
Butler	7540	7538	7158	380	5654	2795	2795	2671	124	3987	4745	4743	4487	256	1667
Calhoun	5468	5468	5262	206	5001	2058	2058	1981	77	3535	3410	3410	3281	129	1466
Carroll	10304	10297	10007	290	6302	4184	4184	4067	117	4524	6120	6113	5940	173	1778
Cass	7922	7922	7434	488	5147	3272	3272	3137	135	3606	4650	4650	4297	353	1541
Cedar	8623	8618	8318	300	5318	3387	3387	3266	121	3784	5236	5231	5052	179	1534
Cerro Gordo	23621	23602	22092	1510	13933	10422	10422	9894	528	9794	13199	13180	12198	982	4139
Cherokee	7285	7281	6989	292	5075	2732	2732	2630	102	3656	4553	4549	4359	190	1419
Chickasaw	6759	6757	6335	422	4507	2599	2599	2434	165	3165	4160	4158	3901	257	1342
Clarke	3757	3757	3517	240	2779	1533	1533	1449	84	1843	2224	2224	2068	156	936
Clay	9285	9277	8807	470	5397	3828	3828	3652	176	3925	5457	5449	5155	294	1472
Clayton	9496	9492	8929	563	6210	3693	3693	3523	170	4258	5803	5799	5406	393	1952
Clinton	26773	26742	25462	1280	15632	10898	10898	10248	650	11377	15875	15844	15214	630	4255
Crawford	8369	8367	8024	343	5554	3066	3064	2975	89	4049	5303	5303	5049	254	1505
Dallas	13925	13922	13230	692	7840	5780	5780	5603	177	5607	8145	8142	7627	515	2233
Davis	3755	3755	3511	244	3078	1379	1379	1320	59	2144	2376	2376	2191	185	934
Decatur	4184	4182	3934	248	3554	1806	1806	1718	88	2255	2378	2376	2216	160	1299
Delaware	8176	8176	7847	329	5247	3092	3092	3006	86	3809	5084	5084	4841	243	1438
Des Moines	22159	22144	20761	1383	12633	9370	9370	8705	665	9156	12789	12774	12056	718	3477
Dickinson	7302	7288	6845	443	4682	2967	2967	2772	195	3282	4335	4321	4073	248	1400
Dubuque	44417	44354	41752	2602	23653	18716	18708	17675	1033	17163	25701	25646	24077	1569	6490
Emmet	5947	5935	5587	348	4056	2307	2307	2174	133	2932	3640	3628	3413	215	1124
Fayette	11130	11122	10596	526	7912	4328	4328	4080	248	5452	6802	6794	6516	278	2460

Table 2. Labor Force Status by Sex in Iowa Counties, 1980 (continued).

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Floyd	8667	8651	8181	470	5960	3412	3409	3232	177	4318	5255	5242	4949	293	1642
Franklin	5678	5678	5441	237	4323	2076	2076	2004	72	3133	3602	3602	3437	165	1190
Fremont	4131	4124	3981	143	3009	1661	1661	1593	68	2126	2470	2463	2388	75	883
Greene	5519	5519	5226	293	3780	2279	2279	2166	113	2650	3240	3240	3060	180	1130
Grundy	6359	6356	6141	215	4449	2412	2412	2278	134	3226	3947	3944	3863	81	1223
Guthrie	5084	5082	4782	300	4157	1990	1990	1892	98	2880	3094	3092	2890	202	1277
Hamilton	8412	8407	7995	412	5200	3343	3343	3227	116	3686	5069	5064	4768	296	1514
Hancock	6309	6309	5718	591	4030	2416	2416	2174	242	2869	3893	3893	3544	349	1161
Hardin	9823	9823	9305	518	7086	3841	3841	3668	173	4956	5982	5982	5637	345	2130
Harrison	6766	6766	6417	349	5439	2627	2627	2506	121	3779	4139	4139	3911	228	1660
Henry	8848	8848	8266	582	5586	3802	3802	3602	200	3771	5046	5046	4664	382	1815
Howard	4697	4692	4440	252	3691	1780	1780	1709	71	2521	2917	2912	2731	181	1170
Humboldt	5392	5378	5092	286	3985	1976	1976	1879	97	2837	3416	3402	3213	189	1148
Ida	3820	3820	3706	114	2938	1416	1416	1371	45	2084	2404	2404	2335	69	854
Iowa	7735	7735	7500	235	4059	3351	3351	3280	71	2785	4384	4384	4220	164	1274
Jackson	9857	9857	9187	670	6315	3951	3951	3686	265	4347	5906	5906	5501	405	1968
Jasper	17295	17282	16352	930	10220	7139	7139	6867	272	7192	10156	10143	9485	658	3028
Jefferson	7859	7859	7469	390	4889	3181	3181	3015	166	3366	4678	4678	4454	224	1523
Johnson	45567	45531	44055	1476	20399	21461	21455	20943	512	12428	24106	24076	23112	964	7971
Jones	8922	8917	8599	318	6296	3520	3520	3389	131	3809	5402	5397	5210	187	2487
Keokuk	5416	5416	5094	322	4479	2052	2052	1971	81	3075	3364	3364	3123	241	1404
Kossuth	9558	9553	8924	629	6618	3602	3602	3334	268	4649	5956	5951	5590	361	1969
Lee	19845	19833	18401	1432	12729	8139	8139	7607	532	8638	11706	11694	10794	900	4091
Linn	87223	87169	83161	4008	39517	38012	38012	36478	1534	28497	49211	49157	46683	2474	11020
Louisa	5376	5376	5163	213	3431	2078	2078	1988	90	2420	3298	3298	3175	123	1011
Lucas	4588	4588	4344	244	3292	1870	1870	1743	127	2345	2718	2718	2601	117	947
Lyon	5514	5514	5298	216	3896	2071	2071	2019	52	2764	3443	3443	3279	164	1132
Madison	5638	5630	5330	300	3773	2157	2157	2084	73	2701	3481	3473	3246	227	1072
Mahaska	10247	10241	9701	540	7302	4033	4033	3827	206	5152	6214	6208	5874	334	2150
Marion	13559	13551	12964	587	8942	5683	5675	5445	230	5787	7876	7876	7519	357	3155
Marshall	20090	20084	19249	835	11369	8433	8433	8085	348	7984	11657	11651	11164	487	3385
Mills	5775	5751	5535	216	4176	2454	2454	2368	86	2652	3321	3297	3167	130	1524
Mitchell	5100	5100	4861	239	4227	1970	1970	1895	75	2899	3130	3130	2966	164	1328

Table 2. Labor Force Status by Sex in Iowa Counties, 1980 (continued).

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
	Monona	4810	4797	4567	230	4274	1743	1743	1658	85	2963	3067	3054	2909	145
Monroe	4074	4074	3796	278	3019	1666	1666	1578	88	2067	2408	2408	2218	190	952
Montgomery	6141	6141	5849	292	4254	2564	2564	2446	118	2976	3577	3577	3403	174	1278
Muscatine	19044	19031	18092	939	10534	7757	7757	7285	472	7584	11287	11274	10807	467	2950
O'Brien	7132	7132	6909	223	5842	2651	2651	2566	85	4163	4481	4481	4343	138	1679
Osceola	3604	3604	3474	130	2681	1345	1345	1301	44	1913	2259	2259	2173	86	768
Page	8596	8596	8318	278	6120	3567	3567	3421	146	4308	5029	5029	4897	132	1812
Palo Alto	5258	5258	5021	237	4381	2045	2045	1965	80	2926	3213	3213	3056	157	1455
Plymouth	10893	10888	10495	393	7376	4176	4176	4048	128	5206	6717	6712	6447	265	2170
Pocahontas	4693	4687	4512	175	4026	1772	1770	1693	77	2750	2921	2917	2819	98	1276
Polk	160313	160004	152451	7553	70186	73922	73846	71364	2482	49546	86391	86158	81087	5071	20640
Pottawattamie	40807	40707	38340	2367	22951	17405	17399	16590	809	16332	23402	23308	21750	1558	6619
Poweshiek	9094	9093	8665	428	5730	3848	3848	3704	144	3905	5246	5245	4961	284	1825
Ringgold	2653	2653	2535	118	2173	1046	1046	991	55	1517	1607	1607	1544	63	656
Sec	6147	6143	5886	257	4673	2274	2274	2175	99	3359	3873	3869	3711	158	1314
Scott	78809	78368	74258	4110	37797	32608	32525	30835	1690	27471	46201	45843	43423	2420	10326
Shelby	6360	6360	6091	269	4837	2319	2319	2175	144	3397	4041	4041	3916	125	1440
Sioux	13586	13584	13140	444	8942	5268	5268	5124	144	6463	8318	8316	8016	300	2479
Story	35692	35656	34225	1431	23431	15831	15826	15249	577	12835	19861	19830	18976	854	10596
Tama	8171	8164	7793	371	6518	3020	3013	2897	116	4618	5151	5151	4896	255	1900
Taylor	3508	3507	3391	116	2961	1388	1388	1351	37	2066	2120	2119	2040	79	895
Union	6139	6133	5726	407	4427	2538	2538	2406	132	3086	3601	3595	3320	275	1341
Van Buren	3683	3683	3480	203	2829	1389	1389	1308	81	1973	2294	2294	2172	122	856
Wapello	17036	17016	15841	1175	14068	6800	6787	6378	409	9740	10236	10229	9463	766	4328
Warren	16949	16884	16152	732	7903	7061	7053	6813	240	5854	9888	9831	9339	492	2049
Washington	9454	9454	9068	386	5694	3965	3965	3790	175	4026	5489	5489	5278	211	1668
Wayne	3296	3296	3134	162	3157	1269	1269	1217	52	2147	2027	2027	1917	110	1010
Webster	21647	21645	20677	968	13423	9420	9420	9079	341	9341	12227	12225	11598	627	4082
Winnebago	5976	5976	5349	627	4057	2505	2505	2246	259	2688	3471	3471	3103	368	1369
Winneshiek	10249	10249	9628	621	6481	4266	4266	4083	183	4324	5983	5983	5545	438	2157
Woodbury	46796	46738	43813	2925	28587	19917	19909	18735	1174	20434	26879	26829	25078	1751	8153
Worth	4069	4069	3759	310	2929	1628	1628	1513	115	1997	2441	2441	2246	195	932
Wright	7105	7100	6772	328	5527	2743	2743	2619	124	3894	4362	4357	4153	204	1633
State of Iowa	1375504	1373914	1304638	69276	821622	574554	574314	548124	26190	573183	800950	799600	756514	43086	248439

Table 3. Labor Force Status by Sex in Iowa Counties, 1970.

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Adair	3943	3943	3876	67	2870	1242	1242	1219	23	2281	2701	2701	2657	44	589
Adams	2354	2354	2315	39	2195	704	704	704	0	1697	1650	1650	1611	39	498
Allamakee	5653	5648	5467	181	4428	1980	1980	1923	57	3230	3673	3668	3544	124	1198
Appanoose	5508	5508	5176	332	5608	1910	1910	1804	106	3995	3598	3598	3372	226	1613
Audubon	3582	3582	3505	77	3019	1098	1098	1049	49	2281	2484	2484	2456	28	738
Benton	8618	8618	8435	183	6847	2829	2829	2732	97	5223	5789	5789	5703	86	1624
Black Hawk	54044	54007	50744	3263	36610	21146	21146	19713	1433	27552	32898	32861	31031	1830	9058
Boone	10204	10189	9831	358	9021	3772	3768	3582	186	6465	6432	6421	6249	172	2556
Bremer	8888	8875	8562	313	6971	3113	3113	2999	114	5186	5775	5762	5563	199	1785
Buchanan	7936	7931	7544	387	6138	2712	2712	2547	165	4531	5224	5219	4997	222	1607
Buena Vista	8114	8114	7814	300	6509	2783	2783	2649	134	4876	5331	5331	5165	166	1633
Butler	5943	5938	5724	214	5862	1632	1632	1540	92	4462	4311	4306	4184	122	1400
Calhoun	5073	5073	4877	196	5199	1624	1624	1538	86	3822	3449	3449	3339	110	1377
Carroll	8298	8298	8024	274	6374	2913	2913	2754	159	4909	5385	5385	5270	115	1465
Cass	6881	6881	6752	129	5272	2313	2313	2240	73	4153	4568	4568	4512	56	1119
Cedar	6740	6729	6617	112	5445	2053	2053	2015	38	4218	4687	4676	4602	74	1227
Cerro Gordo	20165	20153	19383	770	14830	7716	7716	7433	283	11124	12449	12437	11950	487	3706
Cherokee	6530	6530	6408	122	5374	2153	2153	2084	69	4131	4377	4377	4324	53	1243
Chickasaw	5138	5138	4907	231	4689	1462	1462	1401	61	3575	3676	3676	3506	170	1114
Clarke	3058	3052	2975	77	2573	960	960	929	31	2010	2098	2092	2046	46	563
Clay	7228	7228	7046	182	5644	2585	2585	2523	62	4314	4643	4643	4523	120	1330
Clayton	7681	7657	7374	283	6501	2430	2430	2237	193	4810	5251	5227	5137	90	1691
Clinton	23012	23007	22333	674	15536	8153	8153	7802	351	12029	14859	14854	14531	323	3507
Crawford	7356	7330	7151	179	5467	2339	2339	2250	89	4190	5017	4991	4901	90	1277
Dallas	10714	10714	10564	150	7164	3851	3851	3795	56	5536	6863	6863	6769	94	1628
Davis	3128	3123	2986	137	2828	998	998	943	55	2101	2130	2125	2043	82	727
Decatur	3786	3786	3537	249	3670	1503	1503	1350	153	2406	2283	2283	2187	96	1264
Delaware	6517	6517	6392	125	5325	1921	1921	1834	87	4094	4596	4596	4558	38	1231
Des Moines	20278	20259	19201	1058	12571	8276	8276	7549	727	9401	12002	11983	11652	331	3170
Dickinson	5134	5120	4935	185	3869	1922	1922	1813	109	2715	3212	3198	3122	76	1154
Dubuque	34403	34322	33408	914	23665	12458	12458	12027	431	18257	21945	21864	21381	483	5408
Emmet	5236	5236	4956	280	4482	1809	1809	1664	145	3308	3427	3427	3292	135	1174
Fayette	10007	9999	9635	364	8556	3390	3390	3219	171	6148	6617	6609	6416	193	2408

Table 3. Labor Force Status by Sex in Iowa Counties, 1970 (continued).

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Floyd	7337	7330	6892	438	6562	2444	2444	2283	161	4878	4893	4886	4609	277	1684
Franklin	5180	5180	4996	184	4323	1579	1579	1515	64	3367	3601	3601	3481	120	956
Fremont	3742	3738	3643	95	2980	1288	1288	1266	22	2228	2454	2450	2377	73	752
Greene	4973	4973	4841	132	4090	1662	1662	1594	68	3162	3311	3311	3247	64	928
Grundy	5392	5392	5283	109	4573	1623	1623	1581	42	3613	3769	3769	3702	67	960
Guthrie	4736	4736	4584	152	4150	1561	1561	1494	67	3106	3175	3175	3090	85	1044
Hamilton	7568	7563	7254	309	5411	2621	2621	2459	162	4189	4947	4942	4795	147	1222
Hancock	5006	5006	4882	124	4164	1588	1588	1533	55	3158	3418	3418	3349	69	1006
Hardin	8659	8659	8447	212	7344	2962	2962	2862	100	5384	5697	5697	5585	112	1960
Harrison	6176	6176	6016	160	5214	2000	2000	1935	65	3953	4176	4176	4081	95	1261
Henry	7784	7779	7448	331	5300	3075	3075	2875	200	3729	4709	4704	4573	131	1571
Howard	4157	4157	3962	195	3717	1314	1314	1226	88	2789	2843	2843	2736	107	928
Humboldt	4587	4587	4485	102	3999	1439	1439	1390	49	3062	3148	3148	3095	53	937
Ida	3531	3518	3470	48	2965	1098	1098	1089	9	2305	2433	2420	2381	39	660
Iowa	6459	6459	6368	91	4253	2351	2351	2288	63	3219	4108	4108	4080	28	1034
Jackson	8069	8060	7881	179	5553	2809	2809	2712	97	4113	5260	5251	5169	82	1440
Jasper	14699	14696	14250	446	9793	5416	5416	5171	245	7498	9283	9280	9079	201	2295
Jefferson	6498	6498	6293	205	5056	2350	2350	2277	73	3420	4148	4148	4016	132	1636
Johnson	31897	31862	31074	788	21208	13696	13696	13321	375	13634	18201	18166	17753	413	7574
Jones	7507	7507	7305	202	6215	2458	2458	2358	100	4316	5049	5049	4947	102	1899
Keokuk	5245	5245	5044	201	4725	1705	1705	1624	81	3492	3540	3540	3420	120	1233
Kossuth	8321	8311	8090	221	6903	2704	2704	2632	72	5209	5617	5607	5458	149	1694
Lee	17004	17004	15918	1086	13173	6310	6310	5653	657	9461	10694	10694	10265	429	3712
Linn	69061	69010	66268	2742	40925	26863	26858	25269	1589	31827	42198	42152	40999	1153	9098
Louisa	4157	4157	4034	123	3242	1462	1462	1376	86	2354	2695	2695	2658	37	888
Lucas	3957	3957	3851	106	3435	1370	1370	1332	38	2570	2587	2587	2519	68	865
Lyon	4777	4777	4662	115	4036	1429	1429	1383	46	3101	3348	3348	3279	69	935
Madison	4538	4538	4476	62	3746	1447	1447	1426	21	2905	3091	3091	3050	41	841
Mahaska	8601	8601	8339	262	7742	3072	3072	2944	128	5540	5529	5529	5395	134	2202
Marion	10192	10178	10017	161	9018	3787	3787	3707	80	5814	6405	6391	6310	81	3204
Marshall	16860	16845	16439	406	11706	6206	6206	5919	287	8609	10654	10639	10520	119	3097
Mills	4378	4362	4334	28	3823	1432	1432	1413	19	2812	2946	2930	2921	9	1011
Mitchell	4758	4758	4623	135	4099	1601	1601	1532	69	3076	3157	3157	3091	66	1023

Table 3. Labor Force Status by Sex in Iowa Counties, 1970 (continued).

County	Total 16 and Older					Females 16 and Older					Males 16 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Monona	4434	4423	4251	172	4253	1389	1389	1328	61	3099	3045	3034	2923	111	1154
Monroe	3452	3452	3272	180	3286	1175	1175	1139	36	2349	2277	2277	2133	144	937
Montgomery	5015	5010	4882	128	4344	1763	1763	1688	75	3275	3252	3247	3194	53	1069
Muscatine	15246	15237	14695	542	10269	5504	5504	5222	282	7822	9742	9733	9473	260	2447
O'Brien	6329	6324	6177	147	5815	2209	2209	2137	72	4236	4120	4115	4040	75	1579
Osceola	2883	2879	2783	96	3004	882	882	850	32	2139	2001	1997	1933	64	865
Page	7840	7830	7656	174	6098	2872	2872	2795	77	4527	4968	4958	4861	97	1571
Palo Alto	4730	4730	4562	168	4287	1595	1595	1525	70	3024	3135	3135	3037	98	1263
Plymouth	8884	8868	8660	208	7625	2822	2822	2707	115	5734	6062	6046	5953	93	1891
Pocahontas	4411	4411	4332	79	4304	1268	1268	1225	43	3191	3143	3143	3107	36	1113
Polk	126094	125877	122308	3569	72824	51787	51787	50233	1554	55561	74307	74090	72075	2015	17263
Pottawattamie	34753	34517	33441	1076	23069	12926	12926	12454	472	17740	21827	21591	20987	604	5329
Poweshiek	7930	7919	7771	148	5487	2904	2897	2811	86	4174	5026	5022	4960	62	1313
Ringgold	2675	2675	2618	57	2084	833	833	815	18	1636	1842	1842	1803	39	448
Sac	5645	5640	5488	152	5260	1716	1716	1643	73	3974	3929	3924	3845	79	1286
Scott	57368	57197	54898	2299	37249	20680	20669	19633	1036	28752	36688	36528	35265	1263	8497
Shelby	5501	5501	5411	90	4697	1651	1651	1603	48	3599	3850	3850	3808	42	1098
Sioux	10196	10196	9966	230	8669	3226	3226	3152	74	6663	6970	6970	6814	156	2006
Story	27030	26990	26077	913	20518	10589	10584	10048	536	11913	16441	16406	16029	377	8605
Tama	7346	7346	7203	143	6643	2260	2260	2174	86	4954	5086	5086	5029	57	1689
Taylor	3391	3391	3319	72	3160	1022	1022	967	55	2445	2369	2369	2352	17	715
Union	5235	5235	5128	107	4460	1894	1894	1850	44	3279	3341	3341	3278	63	1181
Van Buren	3234	3234	3104	130	3071	1083	1083	1022	61	2167	2151	2151	2082	69	904
Wapello	16387	16366	14833	1533	13839	6188	6188	5592	596	10177	10199	10178	9241	937	3662
Warren	11003	10964	10745	219	7045	3890	3890	3766	124	5329	7113	7074	6979	95	1716
Washington	7419	7419	7024	395	5679	2638	2638	2321	317	4379	4781	4781	4703	78	1300
Wayne	3255	3255	3167	88	3131	995	995	970	25	2330	2260	2260	2197	63	801
Webster	19427	19415	18668	747	13682	7351	7351	7016	335	10325	12076	12064	11652	412	3357
Winnebago	5341	5335	5185	150	4119	1933	1933	1873	60	2945	3408	3402	3312	90	1174
Winneshiek	8415	8410	8138	272	6759	3055	3055	2916	139	4741	5360	5355	5222	133	2018
Woodbury	41139	41061	39179	1882	30762	16035	16035	15019	1016	22755	25104	25026	24160	866	8007
Worth	3418	3413	3280	133	2991	1072	1072	1022	50	2206	2346	2341	2258	83	785
Wright	6435	6435	6196	239	5750	2032	2032	1890	142	4352	4403	4403	4306	97	1398
State of Iowa	1128817	1127433	1088340	39093	828788	411711	411679	392706	18973	616715	717106	715754	695634	20120	212073

Table 4. Labor Force Status by Sex in Iowa Counties, 1960.

County	Total 14 and Older					Females 14 and Older					Males 14 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
	Adair	4234	4230	4157	73	3765	1074	1074	1062	12	2971	3160	3156	3095	61
Adams	2983	2975	2909	66	2455	753	749	723	26	1997	2230	2226	2186	40	458
Allamakee	6042	6034	5879	155	4883	1578	1578	1541	37	3890	4464	4456	4338	118	993
Appanoose	5390	5386	5097	289	6874	1437	1437	1378	59	4999	3953	3949	3719	230	1875
Audubon	4009	4009	3950	59	3579	1033	1033	1016	17	2862	2976	2976	2934	42	717
Benton	8470	8466	8216	250	7868	2221	2221	2137	84	6072	6249	6245	6079	166	1796
Black Hawk	47548	47494	44688	2806	35050	15220	15220	14484	736	27905	32328	32274	30204	2070	7145
Boone	9792	9780	9326	454	10708	2842	2842	2650	192	7872	6950	6938	6676	262	2836
Bremer	8426	8318	7969	349	6673	2487	2487	2411	76	5172	5939	5831	5558	273	1501
Buchanan	7938	7934	7647	287	7279	2389	2389	2320	69	5284	5549	5545	5327	218	1995
Buena Vista	7832	7824	7672	152	7119	2077	2077	2030	47	5615	5755	5747	5642	105	1504
Butler	6095	6080	5848	232	6288	1334	1334	1275	59	4944	4761	4746	4573	173	1344
Calhoun	5600	5600	5407	193	5680	1406	1406	1363	43	4416	4194	4194	4044	150	1264
Carroll	8288	8284	8089	195	7315	2328	2328	2240	88	5807	5960	5956	5849	107	1508
Cass	7188	7184	6874	310	5902	2146	2146	2064	82	4621	5042	5038	4810	228	1281
Cedar	6689	6685	6547	138	5813	1694	1690	1664	26	4585	4995	4995	4883	112	1228
Cerro Gordo	19353	19334	18635	699	15563	5987	5987	5816	171	12341	13366	13347	12819	528	3222
Cherokee	6607	6607	6437	170	6519	1843	1843	1797	46	4922	4764	4764	4640	124	1597
Chickasaw	5365	5365	5210	155	4982	1408	1408	1369	39	3796	3957	3957	3841	116	1186
Clarke	3121	3121	2977	144	3019	844	844	791	53	2315	2277	2277	2186	91	704
Clay	7183	7178	6637	541	5577	2105	2105	1851	254	4490	5078	5073	4786	287	1087
Clayton	8024	8020	7789	231	7488	2033	2033	2000	33	5744	5991	5987	5789	198	1744
Clinton	20915	20915	20161	754	17614	6205	6205	6017	188	13473	14710	14710	14144	566	4141
Crawford	6474	6474	6272	202	6553	1524	1524	1477	47	5046	4950	4950	4795	155	1507
Dallas	9444	9444	9131	313	7828	2879	2879	2790	89	6111	6565	6565	6341	224	1717
Davis	3671	3671	3519	152	3037	1049	1049	1031	18	2355	2622	2622	2488	134	682
Decatur	3822	3822	3653	169	4229	1174	1174	1138	36	2888	2648	2648	2515	133	1341
Delaware	6986	6982	6769	213	5340	2023	2019	1971	48	4094	4963	4963	4798	165	1246
Des Moines	18379	18339	17633	706	13477	6240	6236	5964	272	10618	12139	12103	11669	434	2859
Dickinson	4782	4782	4588	194	4136	1384	1384	1311	73	3117	3398	3398	3277	121	1019
Dubuque	29990	29937	28719	1218	24186	9646	9642	9394	248	18614	20344	20295	19325	970	5572
Emmet	5128	5124	4899	225	4942	1372	1372	1332	40	3833	3756	3752	3567	185	1109
Fayette	10525	10513	10165	348	9524	2813	2813	2710	103	7339	7712	7700	7455	245	2185

Table 4. Labor Force Status by Sex in Iowa Counties, 1960 (continued).

County	Total 14 and Older					Females 14 and Older					Males 14 and Older				
	In	Civilian		Not in	In	Civilian		Not in	In	Civilian		Not in			
	Labor Force	Labor Force	Employed	Unemployed	Labor Force	Labor Force	Employed	Unemployed	Labor Force	Labor Force	Employed	Unemployed	Labor Force		
Floyd	7995	7991	7765	226	6927	2330	2330	2265	65	5281	5665	5661	5500	161	1646
Franklin	6025	6021	5827	194	5094	1516	1516	1446	70	4156	4509	4505	4381	124	938
Fremont	4023	4020	3905	115	3533	1177	1177	1140	37	2661	2846	2843	2765	78	872
Greene	5135	5135	4952	183	5152	1368	1368	1321	47	3971	3767	3767	3631	136	1181
Grundy	5492	5492	5398	94	4628	1359	1359	1334	25	3830	4133	4133	4064	69	798
Guthrie	5050	5050	4913	137	4872	1337	1337	1317	20	3759	3713	3713	3596	117	1113
Hamilton	7671	7660	7431	229	6457	2243	2240	2136	104	4998	5428	5420	5295	125	1459
Hancock	5365	5357	5257	100	4733	1297	1293	1270	23	3738	4068	4064	3987	77	995
Hardin	8436	8436	8141	295	7972	2292	2292	2220	72	6068	6144	6144	5921	223	1904
Harrison	6343	6333	6120	213	6069	1618	1608	1597	11	4712	4725	4725	4523	202	1357
Henry	6875	6871	6672	199	6824	2178	2174	2084	90	4927	4697	4697	4588	109	1897
Howard	4893	4893	4717	176	4074	1344	1344	1309	35	3157	3549	3549	3408	141	917
Humboldt	4771	4771	4683	88	4326	1165	1165	1144	21	3416	3606	3606	3539	67	910
Ida	3555	3555	3485	70	3725	760	760	735	25	2931	2795	2795	2750	45	794
Iowa	6334	6334	6261	73	5198	1746	1746	1716	30	4092	4588	4588	4545	43	1106
Jackson	7831	7831	7540	291	6432	2301	2301	2196	105	4813	5530	5530	5344	186	1619
Jasper	13730	13726	13413	313	11191	3824	3824	3718	106	8962	9906	9902	9695	207	2229
Jefferson	6295	6295	6083	212	5381	1922	1922	1861	61	3912	4373	4373	4222	151	1469
Johnson	22205	22165	21814	351	17122	8137	8137	8051	86	11508	14068	14028	13763	265	5614
Jones	7257	7249	7135	114	7203	1991	1991	1960	31	4877	5266	5258	5175	83	2326
Keokuk	5542	5538	5384	154	5607	1539	1539	1495	44	4202	4003	3999	3889	110	1405
Kossuth	8961	8957	8673	284	8002	2280	2276	2220	56	6211	6681	6681	6453	228	1791
Lee	16408	16391	15658	733	15201	5295	5295	5018	277	10744	11113	11096	10640	456	4457
Linn	57105	57047	55694	1353	38346	19873	19869	19360	509	30047	37232	37178	36334	844	8299
Louisa	3974	3974	3855	119	3368	1014	1014	984	30	2672	2960	2960	2871	89	696
Lucas	4089	4089	3941	148	4181	1095	1095	1066	29	3184	2994	2994	2875	119	997
Lyon	5063	5063	4915	148	4690	1166	1166	1138	28	3718	3897	3897	3777	120	972
Madison	4592	4592	4497	95	4386	1241	1241	1222	19	3350	3351	3351	3275	76	1036
Mahaska	9190	9190	8931	259	8075	2706	2706	2641	65	6275	6484	6484	6290	194	1800
Marion	8902	8894	8672	222	10228	2421	2417	2355	62	6686	6481	6477	6317	160	3542
Marshall	14814	14806	14442	364	12331	4553	4553	4435	118	9461	10261	10253	10007	246	2870
Mills	4360	4352	4214	138	5123	1269	1269	1224	45	3457	3091	3083	2990	93	1666
Mitchell	4906	4902	4855	47	4685	1331	1331	1327	4	3548	3575	3571	3528	43	1137

Table 4. Labor Force Status by Sex in Iowa Counties, 1960 (continued).

County	Total 14 and Older					Females 14 and Older					Males 14 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
Monona	4994	4994	4762	232	4960	1237	1237	1226	11	3778	3757	3757	3536	221	1182
Monroe	3640	3640	3481	159	3985	881	881	849	32	2926	2759	2759	2632	127	1059
Montgomery	5619	5615	5453	162	4995	1677	1673	1614	59	3887	3942	3942	3839	103	1108
Muscatine	13085	13081	12612	469	10987	3969	3969	3801	168	8481	9116	9112	8811	301	2506
O'Brien	6497	6497	6334	163	6575	1602	1602	1564	38	5168	4895	4895	4770	125	1407
Osceola	3588	3584	3435	149	3229	843	843	792	51	2552	2745	2741	2643	98	677
Page	8329	8321	8133	188	7644	2799	2795	2708	87	5567	5530	5526	5425	101	2077
Palo Alto	5069	5069	4895	174	4860	1304	1304	1233	71	3730	3765	3765	3662	103	1130
Plymouth	8443	8439	8241	198	7841	2172	2168	2112	56	6095	6271	6271	6129	142	1746
Pocahontas	5016	5016	4944	72	4821	1196	1196	1178	18	3768	3820	3820	3766	54	1053
Polk	110938	110723	107563	3160	76610	40128	40128	39309	819	60062	70810	70595	68254	2341	16548
Pottawattamie	32162	31950	30881	1069	24113	10093	10082	9832	250	18970	22069	21868	21049	819	5143
Poweshiek	7136	7132	6950	182	6702	2051	2051	1970	81	5131	5085	5081	4980	101	1571
Ringgold	2687	2687	2615	72	3138	558	558	536	22	2418	2129	2129	2079	50	720
Sac	5980	5976	5769	207	5912	1349	1349	1294	55	4667	4631	4627	4475	152	1245
Scott	47223	47172	45629	1543	35235	14914	14914	14484	430	27612	32309	32258	31145	1113	7623
Shelby	5436	5428	5344	84	5263	1289	1281	1266	15	4062	4147	4147	4078	69	1201
Sioux	8925	8922	8750	172	8703	1994	1994	1947	47	6961	6931	6928	6803	125	1742
Story	20132	20041	19477	564	16229	6597	6597	6326	271	10743	13535	13444	13151	293	5486
Tama	7509	7505	7279	226	7745	1667	1667	1600	67	5992	5842	5838	5679	159	1753
Taylor	3754	3754	3683	71	3990	860	860	840	20	3124	2894	2894	2843	51	866
Union	5066	5062	4877	185	5064	1464	1460	1405	55	3822	3602	3602	3472	130	1242
Van Buren	3847	3847	3691	156	3439	1027	1027	986	41	2642	2820	2820	2705	115	797
Wapello	17211	17195	16580	615	15708	5190	5190	4939	251	12160	12021	12005	11641	364	3548
Warren	7603	7596	7341	255	6790	2053	2053	1999	54	5236	5550	5543	5342	201	1554
Washington	7507	7504	7307	197	6190	2239	2239	2119	120	4889	5268	5265	5188	77	1301
Wayne	3710	3710	3625	85	3802	1031	1031	1024	7	2862	2679	2679	2601	78	940
Webster	17851	17844	17427	417	15094	5509	5509	5390	119	11765	12342	12335	12037	298	3329
Winnebago	4873	4873	4727	146	4517	1340	1340	1294	46	3373	3533	3533	3433	100	1144
Winneshiek	8393	8390	8193	197	6870	2417	2417	2357	60	5143	5976	5973	5836	137	1727
Woodbury	41825	41380	39851	1529	33368	13940	13929	13480	449	25470	27885	27451	26371	1080	7898
Worth	3862	3862	3733	129	3458	872	872	852	20	2721	2990	2990	2881	109	737
Wright	6932	6932	6708	224	6626	1619	1619	1570	49	5269	5313	5313	5138	175	1357
State of Iowa	1054322	1052632	1019002	33630	886864	318117	318018	308318	9700	680478	736205	734614	710684	23930	206386

Table 5. Labor Force Status by Sex in Iowa Counties, 1950.

County	Total 14 and Older					Females 14 and Older					Males 14 and Older				
	In	Civilian		Not in	Labor	In	Civilian		Not in	Labor	In	Civilian		Not in	Labor
	Labor	Labor	Employed			Unemployed	Labor	Labor			Employed	Unemployed	Labor		
Adair	4750	4749	4726	23	4359	877	877	873	4	3594	3873	3872	3853	19	765
Adams	3219	3216	3192	24	3185	526	526	518	8	2672	2693	2690	2674	16	513
Allamakee	6215	6212	6066	146	5573	1319	1317	1274	43	4397	4896	4895	4792	103	1176
Appanoose	6812	6804	6532	272	8088	1552	1551	1502	49	6076	5260	5253	5030	223	2012
Audubon	4396	4394	4353	41	4062	804	804	794	10	3330	3592	3590	3559	31	732
Benton	8280	8276	8154	122	8344	1565	1563	1536	27	6625	6715	6713	6618	95	1719
Black Hawk	43158	43116	42128	988	31382	12389	12386	12034	352	25971	30769	30730	30094	636	5411
Boone	9498	9490	9260	230	12077	1810	1809	1756	53	9143	7688	7681	7504	177	2934
Bremer	7382	7378	7274	104	6613	1894	1894	1862	32	5092	5488	5484	5412	72	1521
Buchanan	7212	7207	7137	70	8660	1488	1487	1469	18	6406	5724	5720	5668	52	2254
Buena Vista	7931	7921	7812	109	8016	1511	1509	1480	29	6344	6420	6412	6332	80	1672
Butler	6670	6670	6626	44	6094	1397	1397	1388	9	4938	5273	5273	5238	35	1156
Calhoun	5862	5861	5811	50	6579	993	993	988	5	5262	4869	4868	4823	45	1317
Carroll	8757	8754	8646	108	7720	2104	2104	2090	14	6247	6653	6650	6556	94	1473
Cass	7288	7281	7202	79	6620	1689	1686	1668	18	5349	5599	5595	5534	61	1271
Cedar	6841	6839	6806	33	5803	1486	1486	1474	12	4740	5355	5353	5332	21	1063
Cerro Gordo	18654	18642	18329	313	15855	4976	4975	4895	80	12701	13678	13667	13434	233	3154
Cherokee	6979	6977	6949	28	7421	1504	1504	1496	8	5647	5475	5473	5453	20	1774
Chickasaw	5726	5723	5680	43	5211	1190	1188	1180	8	4171	4536	4535	4500	35	1040
Clarke	3604	3602	3549	53	3480	783	783	772	11	2804	2821	2819	2777	42	676
Clay	6881	6878	6785	93	6448	1349	1349	1337	12	5348	5532	5529	5448	81	1100
Clayton	8568	8562	8421	141	8052	1658	1657	1638	19	6443	6910	6905	6783	122	1609
Clinton	19555	19547	19204	343	17509	4815	4813	4733	80	13935	14740	14734	14471	263	3574
Crawford	7458	7453	7337	116	6887	1394	1393	1350	43	5561	6064	6060	5987	73	1326
Dallas	9173	9167	9029	138	8613	2052	2052	2018	34	6957	7121	7115	7011	104	1656
Davis	3834	3832	3792	40	3602	781	781	774	7	2917	3053	3051	3018	33	685
Decatur	4377	4375	4339	36	5072	815	815	809	6	3891	3562	3560	3530	30	1181
Delaware	6827	6822	6740	82	5765	1492	1492	1478	14	4677	5335	5330	5262	68	1088
Des Moines	17224	17194	16578	616	14784	4643	4643	4475	168	12085	12581	12551	12103	448	2699
Dickinson	4689	4685	4628	57	4702	907	907	897	10	3735	3782	3778	3731	47	967
Dubuque	28747	28710	28141	569	24213	8432	8426	8272	154	18819	20315	20284	19869	415	5394
Emmet	5268	5267	5172	95	4891	1128	1128	1111	17	3915	4140	4139	4061	78	976
Fayette	11094	11083	10877	206	9733	2603	2602	2571	31	7709	8491	8481	8306	175	2024

Table 5. Labor Force Status by Sex in Iowa Counties, 1950 (continued).

County	Total 14 and Older					Females 14 and Older					Males 14 and Older				
	In	Civilian		Not in	In	Civilian		Not in	In	Civilian		Not in			
	Labor Force	Labor Force	Employed	Unemployed	Labor Force	Labor Force	Employed	Unemployed	Labor Force	Labor Force	Employed	Unemployed	Labor Force		
Floyd	8635	8627	8434	193	7092	2059	2058	2009	49	5793	6576	6569	6425	144	1299
Franklin	6209	6207	6141	66	5705	1159	1158	1143	15	4775	5050	5049	4998	51	930
Fremont	4696	4694	4632	62	4413	953	953	941	12	3544	3743	3741	3691	50	869
Greene	5916	5913	5849	64	5608	1186	1186	1175	11	4586	4730	4727	4674	53	1022
Grundy	4781	4779	4740	39	5359	694	693	685	8	4383	4087	4086	4055	31	976
Guthrie	5336	5331	5260	71	5908	891	891	882	9	4739	4445	4440	4378	62	1169
Hamilton	7431	7423	7331	92	7086	1470	1470	1459	11	5747	5961	5953	5872	81	1339
Hancock	5408	5406	5318	88	5334	831	831	809	22	4383	4577	4575	4509	66	951
Hardin	8492	8488	8351	137	8411	1787	1787	1746	41	6617	6705	6701	6605	96	1794
Harrison	7020	7018	6851	167	7208	1265	1264	1222	42	5833	5755	5754	5629	125	1375
Henry	6288	6286	6174	112	8238	1358	1358	1333	25	5989	4930	4928	4841	87	2249
Howard	4757	4756	4671	85	4776	898	897	878	19	3799	3859	3859	3793	66	977
Humboldt	4972	4967	4859	108	4517	905	905	882	23	3721	4067	4062	3977	85	796
Ida	4158	4155	4106	49	3855	667	666	657	9	3219	3491	3489	3449	40	636
Iowa	5797	5790	5724	66	5914	1090	1090	1064	26	4687	4707	4700	4660	40	1227
Jackson	7207	7201	7074	127	6413	1624	1621	1585	36	4895	5583	5580	5489	91	1518
Jasper	12870	12868	12711	157	11096	2850	2850	2789	61	9126	10020	10018	9922	96	1970
Jefferson	5821	5820	5745	75	6114	1184	1183	1166	17	4828	4637	4637	4579	58	1286
Johnson	17041	16994	16846	148	19056	5198	5193	5155	38	12040	11843	11801	11691	110	7016
Jones	7207	7204	7132	72	7104	1589	1589	1562	27	5044	5618	5615	5570	45	2060
Keokuk	6073	6068	5987	81	6526	1148	1147	1134	13	5229	4925	4921	4853	68	1297
Kossuth	9292	9283	9173	110	9087	1619	1617	1601	16	7314	7673	7666	7572	94	1773
Lee	17021	16985	16477	508	15503	4679	4679	4531	148	11741	12342	12306	11946	360	3762
Linn	45289	45249	44514	735	34311	13561	13558	13273	285	27821	31728	31691	31241	450	6490
Louisa	3876	3874	3805	69	4264	594	594	588	6	3376	3282	3280	3217	63	888
Lucas	4675	4672	4584	88	4607	1125	1125	1111	14	3557	3550	3547	3473	74	1050
Lyon	5388	5381	5335	46	4965	986	986	974	12	4087	4402	4395	4361	34	878
Madison	4867	4866	4782	84	4834	888	888	871	17	3948	3979	3978	3911	67	886
Mahaska	9538	9525	9431	94	9154	2279	2278	2249	29	7403	7259	7247	7182	65	1751
Marion	8877	8871	8753	118	10868	1939	1938	1916	22	7205	6938	6933	6837	96	3663
Marshall	14407	14400	14202	198	12342	3791	3790	3732	58	9844	10616	10610	10470	140	2498
Mills	4477	4475	4412	63	5949	906	905	893	12	4316	3571	3570	3519	51	1633
Mitchell	5163	5160	5086	74	4976	985	985	969	16	4004	4178	4175	4117	58	972

Table 5. Labor Force Status by Sex in Iowa Counties, 1950 (continued).

County	Total 14 and Older					Females 14 and Older					Males 14 and Older				
	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force	In Labor Force	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
	Monona	5765	5762	5598	164	6008	937	937	907	30	4837	4828	4825	4691	134
Monroe	4293	4291	4207	84	4497	836	836	827	9	3470	3457	3455	3380	75	1027
Montgomery	5841	5838	5773	65	6005	1277	1277	1264	13	4784	4564	4561	4509	52	1221
Muscatine	12786	12780	12323	457	11247	3325	3325	3203	122	8907	9461	9455	9120	335	2340
O'Brien	6769	6767	6684	83	7127	1230	1230	1204	26	5710	5539	5537	5480	57	1417
Osceola	3809	3809	3750	59	3476	673	673	659	14	2868	3136	3136	3091	45	608
Page	9161	9160	9036	124	9415	2387	2387	2348	39	7196	6774	6773	6688	85	2219
Palo Alto	5798	5794	5711	83	5438	1185	1185	1166	19	4331	4613	4609	4545	64	1107
Plymouth	9164	9159	9043	116	7731	1834	1834	1807	27	6311	7330	7325	7236	89	1420
Pocahontas	5766	5761	5683	78	5300	1104	1104	1086	18	4288	4662	4657	4597	60	1012
Polk	97293	97159	94899	2260	74440	31851	31841	31293	548	58977	65442	65318	63606	1712	15463
Pottawattamie	27510	27467	26708	759	24274	7019	7016	6859	157	19459	20491	20451	19849	602	4815
Poweshiek	7007	7003	6963	40	7633	1654	1652	1641	11	5721	5353	5351	5322	29	1912
Ringgold	3627	3624	3595	29	3459	644	644	639	5	2845	2983	2980	2956	24	614
Sac	6535	6533	6482	51	6331	1260	1259	1240	19	5159	5275	5274	5242	32	1172
Scott	41504	41469	40415	1054	34406	11345	11343	11069	274	27263	30159	30126	29346	780	7143
Shelby	5584	5583	5543	40	5807	847	847	836	11	4758	4737	4736	4707	29	1049
Sioux	9119	9113	8993	120	9529	1611	1610	1581	29	7769	7508	7503	7412	91	1760
Story	17198	17128	16677	451	16870	5025	5023	4849	174	11226	12173	12105	11828	277	5644
Tama	8497	8495	8407	88	7628	1821	1820	1801	19	6086	6676	6675	6606	69	1542
Taylor	4577	4573	4528	45	4803	763	763	753	10	3964	3814	3810	3775	35	839
Union	5892	5889	5737	152	6112	1232	1232	1202	30	4896	4660	4657	4535	122	1216
Van Buren	4662	4662	4607	55	3673	1333	1333	1325	8	2813	3329	3329	3282	47	860
Wapello	18175	18164	17599	565	17022	4547	4547	4444	103	13728	13628	13617	13155	462	3294
Warren	6460	6456	6383	73	6622	1332	1330	1313	17	5158	5128	5126	5070	56	1464
Washington	7449	7447	7363	84	6967	1689	1689	1661	28	5649	5760	5758	5702	56	1318
Wayne	4542	4536	4478	58	4543	998	997	981	16	3570	3544	3539	3497	42	973
Webster	17639	17624	17381	243	15141	4444	4444	4392	52	12074	13195	13180	12989	191	3067
Winnebago	4888	4884	4810	74	4972	903	903	885	18	3976	3985	3981	3925	56	996
Winneshiek	8196	8190	8075	115	7819	1695	1694	1665	29	5980	6501	6496	6410	86	1839
Woodbury	43339	43290	42088	1202	34603	12825	12822	12564	258	27570	30514	30468	29524	944	7033
Worth	3981	3978	3945	33	4044	496	496	492	4	3356	3485	3482	3453	29	688
Wright	7070	7070	6931	139	7331	1318	1318	1293	25	5852	5752	5752	5638	114	1479
State of Iowa	1021810	1020881	1002180	18701	932279	249524	249441	244745	4696	735645	772286	771440	757435	14005	196634

Table 6. Percent in the Labor Force by Sex in Iowa Counties, 1950-1990.

County	Total					Females					Males				
	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950
Adair	61.0	57.0	57.9	52.9	52.1	49.7	41.5	35.3	26.6	19.6	73.5	73.4	82.1	79.9	83.5
Adams	62.5	60.8	51.7	54.9	50.3	51.6	49.7	29.3	27.4	16.4	74.3	72.5	76.8	83.0	84.0
Allamakee	64.8	60.5	56.1	55.3	52.7	55.8	47.4	38.0	28.9	23.1	74.5	74.4	75.4	81.8	80.6
Appanoose	56.9	53.3	49.6	43.9	45.7	47.5	41.1	32.3	22.3	20.3	67.5	67.3	69.0	67.8	72.3
Audubon	61.6	58.0	54.3	52.8	52.0	52.3	41.5	32.5	26.5	19.4	72.0	76.3	77.1	80.6	83.1
Benton	64.6	61.1	55.7	51.8	49.8	55.7	46.6	35.1	26.8	19.1	74.0	76.6	78.1	77.7	79.6
Black Hawk	63.1	63.6	59.6	57.6	57.9	55.9	51.1	43.4	35.3	32.3	71.4	77.4	78.4	81.9	85.0
Boone	62.5	58.8	53.1	47.8	44.0	55.2	47.2	36.8	26.5	16.5	70.8	71.7	71.6	71.0	72.4
Bremer	63.4	60.2	56.0	55.8	52.7	54.1	45.6	37.5	32.5	27.1	73.4	75.7	76.4	79.8	78.3
Buchanan	61.8	59.5	56.4	52.2	45.4	51.4	43.6	37.4	31.1	18.8	73.0	75.9	76.5	73.6	71.7
Buena Vista	64.6	59.4	55.5	52.4	49.7	54.1	46.0	36.3	27.0	19.2	76.2	74.0	76.6	79.3	79.3
Butler	60.1	57.1	50.3	49.2	52.3	49.3	41.2	26.8	21.2	22.1	71.9	74.0	75.5	78.0	82.0
Calhoun	55.2	52.2	49.4	49.6	47.1	46.4	36.8	29.8	24.1	15.9	65.4	69.9	71.5	76.8	78.7
Carroll	65.2	62.0	56.6	53.1	53.1	56.4	48.0	37.2	28.6	25.2	75.1	77.5	78.6	79.8	81.9
Cass	62.4	60.6	56.6	54.9	52.4	52.3	47.6	35.8	31.7	24.0	74.2	75.1	80.3	79.7	81.5
Cedar	66.5	61.9	55.3	53.5	54.1	58.2	47.2	32.7	27.0	23.9	75.3	77.3	79.3	80.3	83.4
Cerro Gordo	65.9	62.9	57.6	55.4	54.1	58.8	51.6	41.0	32.7	28.1	74.3	76.1	77.1	80.6	81.3
Cherokee	61.9	58.9	54.9	50.3	48.5	52.9	42.8	34.3	27.2	21.0	71.7	76.2	77.9	74.9	75.5
Chickasaw	64.6	60.0	52.3	51.9	52.4	55.4	45.1	29.0	27.1	22.2	74.3	75.6	76.7	76.9	81.3
Clarke	64.9	57.5	54.3	50.8	50.9	56.8	45.4	32.3	26.7	21.8	74.0	70.4	78.8	76.4	80.7
Clay	66.2	63.2	56.2	56.3	51.6	57.2	49.4	37.5	31.9	20.1	76.4	78.8	77.7	82.4	83.4
Clayton	62.5	60.5	54.2	51.7	51.6	53.0	46.4	33.6	26.1	20.5	72.5	74.8	75.6	77.5	81.1
Clinton	64.0	63.1	59.7	54.3	52.8	54.4	48.9	40.4	31.5	25.7	74.7	78.9	80.9	78.0	80.5
Crawford	63.7	60.1	57.4	49.7	52.0	52.4	43.1	35.8	23.2	20.0	75.6	77.9	79.7	76.7	82.1
Dallas	69.4	64.0	59.9	54.7	51.6	61.0	50.8	41.0	32.0	22.8	78.7	78.5	80.8	79.3	81.1
Davis	60.4	55.0	52.5	54.7	51.6	49.8	39.1	32.2	30.8	21.1	72.0	71.8	74.6	79.4	81.7
Decatur	58.8	54.1	50.8	47.5	46.3	50.6	44.5	38.4	28.9	17.3	67.8	64.7	64.4	66.4	75.1
Delaware	65.2	60.9	55.0	56.7	54.2	54.7	44.8	31.9	33.1	24.2	76.5	78.0	78.9	79.9	83.1
Des Moines	65.3	63.7	61.7	57.7	53.8	56.7	50.6	46.8	37.0	27.8	75.1	78.6	79.1	80.9	82.3
Dickinson	62.2	60.9	57.0	53.6	49.9	54.2	47.5	41.4	30.7	19.5	71.1	75.6	73.6	76.9	79.6
Dubuque	67.3	65.3	59.2	55.4	54.3	59.4	52.2	40.6	34.1	30.9	76.1	79.8	80.2	78.5	79.0
Emmet	60.5	59.5	53.9	50.9	51.9	51.6	44.0	35.4	26.4	22.4	70.4	76.4	74.5	77.2	80.9
Fayette	60.9	58.4	53.9	52.5	53.3	50.2	44.3	35.5	27.7	25.2	72.4	73.4	73.3	77.9	80.8

Table 6. Percent in the Labor Force by Sex in Iowa Counties, 1950-1990 (continued).

County	Total					Females					Males				
	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950
Floyd	63.6	59.3	52.8	53.6	54.9	54.6	44.1	33.4	30.6	26.2	73.9	76.2	74.4	77.5	83.5
Franklin	62.5	56.8	54.5	54.2	52.1	53.1	39.9	31.9	26.7	19.5	72.8	75.2	79.0	82.8	84.4
Fremont	59.3	57.9	55.7	53.2	51.6	50.0	43.9	36.6	30.7	21.2	69.9	73.7	76.5	76.5	81.2
Greene	60.0	59.4	54.9	49.9	51.3	50.9	46.2	34.5	25.6	20.5	70.5	74.1	78.1	76.1	82.2
Grundy	60.6	58.8	54.1	54.3	47.1	49.3	42.8	31.0	26.2	13.7	73.2	76.3	79.7	83.8	80.7
Guthrie	60.4	55.0	53.3	50.9	47.5	50.9	40.9	33.4	26.2	15.8	71.1	70.8	75.3	76.9	79.2
Hamilton	64.9	61.8	58.3	54.3	51.2	56.0	47.6	38.5	31.0	20.4	74.7	77.0	80.2	78.8	81.7
Hancock	64.5	61.0	54.6	53.1	50.3	54.3	45.7	33.5	25.8	15.9	75.7	77.0	77.3	80.3	82.8
Hardin	59.8	58.1	54.1	51.4	50.2	50.9	43.7	35.5	27.4	21.3	69.7	73.7	74.4	76.3	78.9
Harrison	62.9	55.4	54.2	51.1	49.3	54.0	41.0	33.6	25.6	17.8	73.0	71.4	76.8	77.7	80.7
Henry	63.8	61.3	59.5	50.2	43.3	58.4	50.2	45.2	30.7	18.5	69.3	73.5	75.0	71.2	68.7
Howard	59.4	56.0	52.8	54.6	49.9	49.4	41.4	32.0	29.9	19.1	70.0	71.4	75.4	79.5	79.8
Humboldt	58.3	57.5	53.4	52.4	52.4	47.3	41.1	32.0	25.4	19.6	70.5	74.8	77.1	79.8	83.6
Ida	60.6	56.5	54.4	48.8	51.9	49.4	40.5	32.3	20.6	17.2	73.0	73.8	78.7	77.9	84.6
Iowa	68.4	65.6	60.3	54.9	49.5	60.7	54.6	42.2	29.9	18.9	76.8	77.5	79.9	80.6	79.3
Jackson	64.2	61.0	59.2	54.9	52.9	56.0	47.6	40.6	32.3	24.9	73.1	75.0	78.5	77.4	78.6
Jasper	64.9	62.9	60.0	55.1	53.7	56.6	49.8	41.9	29.9	23.8	73.9	77.0	80.2	81.6	83.6
Jefferson	65.7	61.6	56.2	53.9	48.8	55.7	48.6	40.7	32.9	19.7	76.4	75.4	71.7	74.9	78.3
Johnson	72.1	69.1	60.1	56.5	47.2	68.2	63.3	50.1	41.4	30.2	76.2	75.2	70.6	71.5	62.8
Jones	60.7	58.6	54.7	50.2	50.4	56.1	48.0	36.3	29.0	24.0	64.8	68.5	72.7	69.4	73.2
Keokuk	58.3	54.7	52.6	49.7	48.2	47.9	40.0	32.8	26.8	18.0	69.9	70.6	74.2	74.0	79.2
Kossuth	60.9	59.1	54.7	52.8	50.6	49.7	43.7	34.2	26.9	18.1	73.3	75.2	76.8	78.9	81.2
Lee	61.2	60.9	56.3	51.9	52.3	53.7	48.5	40.0	33.0	28.5	69.4	74.1	74.2	71.4	76.6
Linn	71.1	68.8	62.8	59.8	56.9	63.4	57.2	45.8	39.8	32.8	79.5	81.7	82.3	81.8	83.0
Louisa	65.1	61.0	56.2	54.1	47.6	53.5	46.2	38.3	27.5	15.0	76.9	76.5	75.2	81.0	78.7
Lucas	61.0	58.2	53.5	49.4	50.4	51.0	44.4	34.8	25.6	24.0	72.7	74.2	74.9	75.0	77.2
Lyon	62.5	58.6	54.2	51.9	52.0	51.2	42.8	31.5	23.9	19.4	75.1	75.3	78.2	80.0	83.4
Madison	65.8	59.9	54.8	51.1	50.2	57.8	44.4	33.2	27.0	18.4	74.4	76.5	78.6	76.4	81.8
Mahaska	63.5	58.4	52.6	53.2	51.0	54.1	43.9	35.7	30.1	23.5	73.8	74.3	71.5	78.3	80.6
Marion	64.6	60.3	53.1	46.5	45.0	58.5	49.5	39.4	26.6	21.2	71.2	71.4	66.7	64.7	65.4
Marshall	65.4	63.9	59.0	54.6	53.9	57.7	51.4	41.9	32.5	27.8	73.7	77.5	77.5	78.1	81.0
Mills	63.1	58.0	53.4	46.0	42.9	57.8	48.1	33.7	26.9	17.3	68.6	68.5	74.5	65.0	68.6
Mitchell	59.9	54.7	53.7	51.2	50.9	50.5	40.5	34.2	27.3	19.7	70.3	70.2	75.5	75.9	81.1

Table 6. Percent in the Labor Force by Sex in Iowa Counties, 1950-1990 (continued).

County	Total					Females					Males				
	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950
Monona	56.6	53.0	51.0	50.2	49.0	46.5	37.0	30.9	24.7	16.2	68.0	70.1	72.5	76.1	80.5
Monroe	59.4	57.4	51.2	47.7	48.8	49.5	44.6	33.3	23.1	19.4	70.5	71.7	70.8	72.3	77.1
Montgomery	63.1	59.1	53.6	52.9	49.3	53.3	46.3	35.0	30.1	21.1	74.7	73.7	75.3	78.1	78.9
Muscatine	67.6	64.4	59.8	54.4	53.2	56.7	50.6	41.3	31.9	27.2	79.4	79.3	79.9	78.4	80.2
O'Brien	60.8	55.0	52.1	49.7	48.7	50.8	38.9	34.3	23.7	17.7	71.9	72.7	72.3	77.7	79.6
Osceola	62.7	57.3	49.0	52.6	52.3	49.8	41.3	29.2	24.8	19.0	76.8	74.6	69.8	80.2	83.8
Page	60.8	58.4	56.2	52.1	49.3	52.9	45.3	38.8	33.5	24.9	69.3	73.5	76.0	72.7	75.3
Palo Alto	58.6	54.5	52.5	51.1	51.6	48.1	41.1	34.5	25.9	21.5	70.1	68.8	71.3	76.9	80.6
Plymouth	65.0	59.6	53.8	51.8	54.2	54.1	44.5	33.0	26.3	22.5	76.7	75.6	76.2	78.2	83.8
Pocahontas	58.5	53.8	50.6	51.0	52.1	48.0	39.2	28.4	24.1	20.5	70.2	69.6	73.8	78.4	82.2
Polk	72.8	69.6	63.4	59.2	56.7	66.2	59.9	48.2	40.1	35.1	80.4	80.7	81.1	81.1	80.9
Pottawattamie	67.9	64.0	60.1	57.2	53.1	60.8	51.6	42.2	34.7	26.5	75.9	78.0	80.4	81.1	81.0
Poweshiek	65.4	61.3	59.1	51.6	47.9	57.2	49.6	41.0	28.6	22.4	74.5	74.2	79.3	76.4	73.7
Ringgold	58.1	55.0	56.2	46.1	51.2	45.8	40.8	33.7	18.8	18.5	72.3	71.0	80.4	74.7	82.9
Sac	60.7	56.8	51.8	50.3	50.8	49.6	40.4	30.2	22.4	19.6	72.8	74.7	75.3	78.8	81.8
Scott	68.1	67.6	60.6	57.3	54.7	60.2	54.3	41.8	35.1	29.4	76.9	81.7	81.2	80.9	80.9
Shelby	62.1	56.8	53.9	50.8	49.0	52.9	40.6	31.4	24.1	15.1	72.2	73.7	77.8	77.5	81.9
Sioux	68.5	60.3	54.0	50.6	48.9	58.5	44.9	32.6	22.3	17.2	79.6	77.0	77.7	79.9	81.0
Story	67.3	60.4	56.8	55.4	50.5	62.3	55.2	47.1	38.0	30.9	71.9	65.2	65.6	71.2	68.3
Tama	60.8	55.6	52.5	49.2	52.7	51.3	39.5	31.3	21.8	23.0	71.4	73.1	75.1	76.9	81.2
Taylor	55.7	54.2	51.8	48.5	48.8	43.2	40.2	29.5	21.6	16.1	70.4	70.3	76.8	77.0	82.0
Union	61.4	58.1	54.0	50.0	49.1	51.3	45.1	36.6	27.7	20.1	73.1	72.9	73.9	74.4	79.3
Van Buren	60.4	56.6	51.3	52.8	55.9	48.5	41.3	33.3	28.0	32.2	73.3	72.8	70.4	78.0	79.5
Wapello	59.0	54.8	54.2	52.3	51.6	50.5	41.1	37.8	29.9	24.9	68.6	70.3	73.6	77.2	80.5
Warren	73.0	68.2	61.0	52.8	49.4	65.7	54.7	42.2	28.2	20.5	80.9	82.8	80.6	78.1	77.8
Washington	66.9	62.4	56.6	54.8	51.7	58.3	49.6	37.6	31.4	23.0	76.5	76.7	78.6	80.2	81.4
Wayne	55.8	51.1	51.0	49.4	50.0	46.3	37.1	29.9	26.5	21.8	66.5	66.7	73.8	74.0	78.5
Webster	61.9	61.7	58.7	54.2	53.8	53.1	50.2	41.6	31.9	26.9	71.8	75.0	78.2	78.8	81.1
Winnebago	62.9	59.6	56.5	51.9	49.6	54.0	48.2	39.6	28.4	18.5	72.6	71.7	74.4	75.5	80.0
Winneshiek	66.9	61.3	55.5	55.0	51.2	59.2	49.7	39.2	32.0	22.1	75.3	73.5	72.6	77.6	77.9
Woodbury	66.6	62.1	57.2	55.6	55.6	57.6	49.4	41.3	35.4	31.7	76.7	76.7	75.8	77.9	81.3
Worth	61.8	58.1	53.3	52.8	49.6	52.7	44.9	32.7	24.3	12.9	71.8	72.4	74.9	80.2	83.5
Wright	61.8	56.2	52.8	51.1	49.1	52.3	41.3	31.8	23.5	18.4	72.7	72.8	75.9	79.7	79.5
State of Iowa	66.0	62.6	57.7	54.3	52.3	57.8	50.1	40.0	31.9	25.3	75.0	76.3	77.2	78.1	79.7

Table 7. Unemployment Rates by Sex in Iowa Counties, 1950-1990.

County	Total					Females					Males				
	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950
Adair	3.0	4.0	1.7	1.7	0.5	3.6	3.9	1.9	1.1	0.5	2.5	4.1	1.6	1.9	0.5
Adams	3.1	2.8	1.7	2.2	0.7	2.2	1.8	0.0	3.5	1.5	3.7	3.6	2.4	1.8	0.6
Allamakee	3.9	7.0	3.2	2.6	2.4	3.1	4.2	2.9	2.3	3.3	4.6	8.8	3.4	2.6	2.1
Appanoose	6.9	11.0	6.0	5.4	4.0	5.5	9.2	5.5	4.1	3.2	8.0	12.2	6.3	5.8	4.2
Audubon	2.9	4.2	2.1	1.5	0.9	3.3	3.9	4.5	1.6	1.2	2.6	4.4	1.1	1.4	0.9
Benton	5.5	4.7	2.1	3.0	1.5	4.3	4.5	3.4	3.8	1.7	6.6	4.8	1.5	2.7	1.4
Black Hawk	6.1	5.6	6.0	5.9	2.3	5.9	6.3	6.8	4.8	2.8	6.2	5.1	5.6	6.4	2.1
Boone	3.5	4.6	3.5	4.6	2.4	2.8	3.8	4.9	6.8	2.9	4.0	5.2	2.7	3.8	2.3
Bremer	3.6	4.5	3.5	4.2	1.4	3.8	5.6	3.7	3.1	1.7	3.5	3.8	3.5	4.7	1.3
Buchanan	6.2	5.2	4.9	3.6	1.0	5.4	5.5	6.1	2.9	1.2	6.8	5.1	4.3	3.9	0.9
Buena Vista	3.0	3.2	3.7	1.9	1.4	4.3	3.8	4.8	2.3	1.9	2.1	2.8	3.1	1.8	1.2
Butler	4.7	5.0	3.6	3.8	0.7	3.8	4.4	5.6	4.4	0.6	5.4	5.4	2.8	3.6	0.7
Calhoun	3.4	3.8	3.9	3.4	0.9	2.7	3.7	5.3	3.1	0.5	4.0	3.8	3.2	3.6	0.9
Carroll	3.7	2.8	3.3	2.4	1.2	4.1	2.8	5.5	3.8	0.7	3.3	2.8	2.1	1.8	1.4
Cass	5.9	6.2	1.9	4.3	1.1	3.9	4.1	3.2	3.8	1.1	7.5	7.6	1.2	4.5	1.1
Cedar	2.9	3.5	1.7	2.1	0.5	3.2	3.6	1.9	1.5	0.8	2.6	3.4	1.6	2.2	0.4
Cerro Gordo	4.5	6.4	3.8	3.6	1.7	4.0	5.1	3.7	2.9	1.6	4.9	7.5	3.9	4.0	1.7
Cherokee	3.8	4.0	1.9	2.6	0.4	4.2	3.7	3.2	2.5	0.5	3.4	4.2	1.2	2.6	0.4
Chickasaw	5.2	6.2	4.5	2.9	0.8	4.6	6.3	4.2	2.8	0.7	5.6	6.2	4.6	2.9	0.8
Clarke	6.7	6.4	2.5	4.6	1.5	5.8	5.5	3.2	6.3	1.4	7.5	7.0	2.2	4.0	1.5
Clay	2.1	5.1	2.5	7.5	1.4	2.6	4.6	2.4	12.1	0.9	1.7	5.4	2.6	5.7	1.5
Clayton	4.3	5.9	3.7	2.9	1.6	4.4	4.6	7.9	1.6	1.1	4.3	6.8	1.7	3.3	1.8
Clinton	6.9	4.8	2.9	3.6	1.8	8.1	6.0	4.3	3.0	1.7	6.0	4.0	2.2	3.8	1.8
Crawford	4.2	4.1	2.4	3.1	1.6	4.1	2.9	3.8	3.1	3.1	4.2	4.8	1.8	3.1	1.2
Dallas	3.2	5.0	1.4	3.3	1.5	2.2	3.1	1.5	3.1	1.7	4.0	6.3	1.4	3.4	1.5
Davis	5.3	6.5	4.4	4.1	1.0	5.0	4.3	5.5	1.7	0.9	5.5	7.8	3.9	5.1	1.1
Decatur	4.9	5.9	6.6	4.4	0.8	3.5	4.9	10.2	3.1	0.7	6.1	6.7	4.2	5.0	0.8
Delaware	4.2	4.0	1.9	3.1	1.2	4.4	2.8	4.5	2.4	0.9	4.1	4.8	0.8	3.3	1.3
Des Moines	5.9	6.2	5.2	3.8	3.6	5.0	7.1	8.8	4.4	3.6	6.7	5.6	2.8	3.6	3.6
Dickinson	3.5	6.1	3.6	4.1	1.2	3.6	6.6	5.7	5.3	1.1	3.4	5.7	2.4	3.6	1.2
Dubuque	4.5	5.9	2.7	4.1	2.0	3.9	5.5	3.5	2.6	1.8	5.1	6.1	2.2	4.8	2.0
Emmet	5.0	5.9	5.3	4.4	1.8	5.4	5.8	8.0	2.9	1.5	4.7	5.9	3.9	4.9	1.9
Fayette	4.7	4.7	3.6	3.3	1.9	4.1	5.7	5.0	3.7	1.2	5.2	4.1	2.9	3.2	2.1

Table 7. Unemployment Rates by Sex in Iowa Counties, 1950-1990 (continued).

County	Total					Females					Males				
	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950
Floyd	5.6	5.4	6.0	2.8	2.2	5.7	5.2	6.6	2.8	2.4	5.5	5.6	5.7	2.8	2.2
Franklin	5.3	4.2	3.6	3.2	1.1	4.3	3.5	4.1	4.6	1.3	6.1	4.6	3.3	2.8	1.0
Fremont	4.8	3.5	2.5	2.9	1.3	5.1	4.1	1.7	3.1	1.3	4.5	3.0	3.0	2.7	1.3
Greene	2.9	5.3	2.7	3.6	1.1	2.6	5.0	4.1	3.4	0.9	3.1	5.6	1.9	3.6	1.1
Grundy	3.6	3.4	2.0	1.7	0.8	2.9	5.6	2.6	1.8	1.2	4.2	2.1	1.8	1.7	0.8
Guthrie	4.0	5.9	3.2	2.7	1.3	3.6	4.9	4.3	1.5	1.0	4.3	6.5	2.7	3.2	1.4
Hamilton	4.5	4.9	4.1	3.0	1.2	3.8	3.5	6.2	4.6	0.7	5.1	5.8	3.0	2.3	1.4
Hancock	5.1	9.4	2.5	1.9	1.6	5.3	10.0	3.5	1.8	2.6	5.0	9.0	2.0	1.9	1.4
Hardin	3.8	5.3	2.4	3.5	1.6	3.2	4.5	3.4	3.1	2.3	4.4	5.8	2.0	3.6	1.4
Harrison	4.6	5.2	2.6	3.4	2.4	4.0	4.6	3.3	0.7	3.3	5.1	5.5	2.3	4.3	2.2
Henry	4.2	6.6	4.3	2.9	1.8	3.9	5.3	6.5	4.1	1.8	4.5	7.6	2.8	2.3	1.8
Howard	3.2	5.4	4.7	3.6	1.8	4.4	4.0	6.7	2.6	2.1	2.3	6.2	3.8	4.0	1.7
Humboldt	4.2	5.3	2.2	1.8	2.2	4.7	4.9	3.4	1.8	2.5	3.8	5.6	1.7	1.9	2.1
Ida	2.4	3.0	1.4	2.0	1.2	2.8	3.2	.8	3.3	1.4	2.2	2.9	1.6	1.6	1.1
Iowa	2.7	3.0	1.4	1.2	1.1	2.9	2.1	2.7	1.7	2.4	2.6	3.7	0.7	0.9	0.9
Jackson	6.2	6.8	2.2	3.7	1.8	7.0	6.7	3.5	4.6	2.2	5.5	6.9	1.6	3.4	1.6
Jasper	3.7	5.4	3.0	2.3	1.2	3.8	3.8	4.5	2.8	2.1	3.6	6.5	2.2	2.1	1.0
Jefferson	4.9	5.0	3.2	3.4	1.3	4.9	5.2	3.1	3.2	1.4	4.8	4.8	3.2	3.5	1.3
Johnson	3.5	3.2	2.5	1.6	0.9	3.0	2.4	2.7	1.1	0.7	4.0	4.0	2.3	1.9	0.9
Jones	4.2	3.6	2.7	1.6	1.0	4.7	3.7	4.1	1.6	1.7	3.9	3.5	2.0	1.6	0.8
Keokuk	5.0	5.9	3.8	2.8	1.3	4.8	3.9	4.8	2.9	1.1	5.2	7.2	3.4	2.8	1.4
Kossuth	3.8	6.6	2.7	3.2	1.2	2.9	7.4	2.7	2.5	1.0	4.5	6.1	2.7	3.4	1.2
Lee	6.4	7.2	6.4	4.5	3.0	7.4	6.5	10.4	5.2	3.2	5.6	7.7	4.0	4.1	2.9
Linn	5.6	4.6	4.0	2.4	1.6	4.9	4.0	5.9	2.6	2.1	6.2	5.0	2.7	2.3	1.4
Louisa	5.8	4.0	3.0	3.0	1.8	6.6	4.3	5.9	3.0	1.0	5.3	3.7	1.4	3.0	1.9
Lucas	8.4	5.3	2.7	3.6	1.9	8.0	6.8	2.8	2.6	1.2	8.7	4.3	2.6	4.0	2.1
Lyon	1.5	3.9	2.4	2.9	0.9	1.2	2.5	3.2	2.4	1.2	1.7	4.8	2.1	3.1	0.8
Madison	4.6	5.3	1.4	2.1	1.7	4.7	3.4	1.5	1.5	1.9	4.5	6.5	1.3	2.3	1.7
Mahaska	5.1	5.3	3.0	2.8	1.0	7.1	5.1	4.2	2.4	1.3	3.6	5.4	2.4	3.0	0.9
Marion	2.9	4.3	1.6	2.5	1.3	2.8	4.1	2.1	2.6	1.1	2.9	4.5	1.3	2.5	1.4
Marshall	4.3	4.2	2.4	2.5	1.4	4.0	4.1	4.6	2.6	1.5	4.5	4.2	1.1	2.4	1.3
Mills	3.7	3.8	0.6	3.2	1.4	3.8	3.5	1.3	3.5	1.3	3.5	3.9	0.3	3.0	1.4
Mitchell	3.3	4.7	2.8	1.0	1.4	2.6	3.8	4.3	0.3	1.6	3.9	5.2	2.1	1.2	1.4

Table 7. Unemployment Rates by Sex in Iowa Counties, 1950-1990 (continued).

County	Total					Females					Males				
	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950	1990	1980	1970	1960	1950
Monona	5.1	4.8	3.9	4.6	2.8	3.9	4.9	4.4	0.9	3.2	6.0	4.7	3.7	5.9	2.8
Monroe	8.8	6.8	5.2	4.4	2.0	9.8	5.3	3.1	3.6	1.1	8.1	7.9	6.3	4.6	2.2
Montgomery	3.9	4.8	2.6	2.9	1.1	4.6	4.6	4.3	3.5	1.0	3.4	4.9	1.6	2.6	1.1
Muscatine	5.2	4.9	3.6	3.6	3.6	4.6	6.1	5.1	4.2	3.7	5.7	4.1	2.7	3.3	3.5
O'Brien	2.1	3.1	2.3	2.5	1.2	2.4	3.2	3.3	2.4	2.1	1.8	3.1	1.8	2.6	1.0
Osceola	3.0	3.6	3.3	4.2	1.5	2.4	3.3	3.6	6.0	2.1	3.4	3.8	3.2	3.6	1.4
Page	4.0	3.2	2.2	2.3	1.4	4.7	4.1	2.7	3.1	1.6	3.4	2.6	2.0	1.8	1.3
Palo Alto	3.1	4.5	3.6	3.4	1.4	2.0	3.9	4.4	5.4	1.6	3.8	4.9	3.1	2.7	1.4
Plymouth	2.5	3.6	2.3	2.3	1.3	2.5	3.1	4.1	2.6	1.5	2.5	3.9	1.5	2.3	1.2
Pocahontas	2.6	3.7	1.8	1.4	1.4	2.5	4.4	3.4	1.5	1.6	2.7	3.4	1.1	1.4	1.3
Polk	3.9	4.7	2.8	2.9	2.3	3.1	3.4	3.0	2.0	1.7	4.7	5.9	2.7	3.3	2.6
Pottawattamie	4.5	5.8	3.1	3.3	2.8	4.0	4.6	3.7	2.5	2.2	4.8	6.7	2.8	3.7	2.9
Poweshiek	4.4	4.7	1.9	2.6	0.6	4.1	3.7	3.0	3.9	0.7	4.6	5.4	1.2	2.0	0.5
Ringgold	4.5	4.4	2.1	2.7	0.8	3.2	5.3	2.2	3.9	0.8	5.5	3.9	2.1	2.3	0.8
Sac	3.9	4.2	2.7	3.5	0.8	3.1	4.4	4.3	4.1	1.5	4.4	4.1	2.0	3.3	0.6
Scott	5.5	5.2	4.0	3.3	2.5	4.8	5.2	5.0	2.9	2.4	6.1	5.3	3.5	3.5	2.6
Shelby	3.8	4.2	1.6	1.5	0.7	2.6	6.2	2.9	1.2	1.3	4.7	3.1	1.1	1.7	0.6
Sioux	1.5	3.3	2.3	1.9	1.3	1.8	2.7	2.3	2.4	1.8	1.4	3.6	2.2	1.8	1.2
Story	3.9	4.0	3.4	2.8	2.6	3.9	3.6	5.1	4.1	3.5	3.8	4.3	2.3	2.2	2.3
Tama	5.0	4.5	1.9	3.0	1.0	4.2	3.8	3.8	4.0	1.0	5.8	5.0	1.1	2.7	1.0
Taylor	3.9	3.3	2.1	1.9	1.0	4.2	2.7	5.4	2.3	1.3	3.7	3.7	0.7	1.8	0.9
Union	6.0	6.6	2.0	3.7	2.6	6.3	5.2	2.3	3.8	2.4	5.8	7.6	1.9	3.6	2.6
Van Buren	3.9	5.5	4.0	4.1	1.2	4.2	5.8	5.6	4.0	0.6	3.6	5.3	3.2	4.1	1.4
Wapello	7.2	6.9	9.4	3.6	3.1	7.1	6.0	9.6	4.8	2.3	7.3	7.5	9.2	3.0	3.4
Warren	3.0	4.3	2.0	3.4	1.1	2.6	3.4	3.2	2.6	1.3	3.4	5.0	1.3	3.6	1.1
Washington	3.3	4.1	5.3	2.6	1.1	3.1	4.4	12.0	5.4	1.7	3.5	3.8	1.6	1.5	1.0
Wayne	3.4	4.9	2.7	2.3	1.3	1.6	4.1	2.5	0.7	1.6	4.9	5.4	2.8	2.9	1.2
Webster	5.1	4.5	3.8	2.3	1.4	4.6	3.6	4.6	2.2	1.2	5.5	5.1	3.4	2.4	1.4
Winnebago	5.2	10.5	2.8	3.0	1.5	5.3	10.3	3.1	3.4	2.0	5.0	10.6	2.6	2.8	1.4
Winneshiek	3.5	6.1	3.2	2.3	1.4	2.7	4.3	4.5	2.5	1.7	4.1	7.3	2.5	2.3	1.3
Woodbury	5.1	6.3	4.6	3.7	2.8	4.3	5.9	6.3	3.2	2.0	5.8	6.5	3.5	3.9	3.1
Worth	5.9	7.6	3.9	3.3	0.8	5.4	7.1	4.7	2.3	0.8	6.4	8.0	3.5	3.6	0.8
Wright	4.6	4.6	3.7	3.2	2.0	3.9	4.5	7.0	3.0	1.9	5.2	4.7	2.2	3.3	2.0
State of Iowa	4.5	5.0	3.5	3.2	1.8	4.2	4.6	4.6	3.1	1.9	4.9	5.4	2.8	3.3	1.8

Wapello, Wayne) declined by at least 1,000. Ringgold was the only county to decrease successively at each census, because it was the only that reported a decline in the 1970s; 39 others noted decreases in participation in the labor force in each of the other three decades.

Of the 61 counties with a larger labor force in 1990 than in 1950, nine (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Warren) grew by at least 10,000. Johnson, Linn, Polk, and Scott accounted for more than half (54.5%) of Iowa's gain over the period. The labor force in 21 counties increased in each of these four decades.

In 1990, nearly two-thirds (66.0%) of Iowans 16 years and over were in the labor force (Table 6). County figures varied from less than 60% in 17 to more than 70% in four (Johnson, Linn, Polk, Warren). Eighty-two counties were below the state's percentage, however.

In 1950, about half (52.3%) of Iowans 16 years and over were in the labor force. The state experienced increases in labor force participation at each census. Likewise, all counties had higher percentages of their populations in the labor force in 1990 than 40 years earlier. Black Hawk, Humboldt, Van Buren, and Wayne increased less than six percentage points, while Henry, Johnson, Mills, and Warren gained at least 20 points. Not all the counties experienced continuous increases. For the 1950-1990 period, 36 counties had at least one decade in which the percentage in the labor force declined.

Labor Force Participation by Sex

In 1990, there were nearly 646,700 Iowa females 16 years and over in the labor force. In a pattern similar to that for the total labor force, there were increases in the female labor force at each census from 1950 to 1990, with the single largest gain in the decade from 1970 to 1980 (Tables 1-5). The increase for females for the entire 40 year period totaled 397,000 (+159.1%).

Males in the labor force in 1990 numbered 759,900, a figure higher than that for females, which occurred at each census. The pattern of change for males over the 40-year period varied significantly from that for females, however. Instead of increasing in each decade, the male labor force decreased for the first two decades, increased from 1970 to 1980, and then declined again in the most recent decade (Tables 1-5). In contrast to females, the change for males over the four decades was a decline of 12,400 (-1.6%) participating in the labor force. Thus, Iowa's increase in the total labor force for the 40 years can be attributed to females entering in substantial numbers over the decades. Females increased their proportion of the labor force from about a quarter (24.4%) in 1950 to nearly a half (46.0%) of the total participants in 1990 (Figure 1).

Changes in the labor force for males and females at the county level reflected statewide trends. All 99 counties had more females in the labor force in 1990 than in 1950 and 81 of them increased successively at each census. Adams, Ringgold, Van Buren, and Wayne had gains of fewer than 500 females in the labor force. Johnson, Linn, Polk, and Scott increased by at least 20,000.

The male labor force, in contrast to that for females, increased over the 40 years in only 18 counties. The gains ranged from 55 in Jefferson to 29,122 in Polk, the only county to gain at least 20,000. Increases in male participation in the labor force occurred each decade in Johnson, Linn, Polk, Story, and Warren counties. Declines in the male labor force between 1950 and 1990 were recorded in 81 counties; Wapello and Woodbury were the only counties to report more than 3,000 fewer males in the labor force in 1990 than in 1950. Sixteen counties decreased continuously across each of the four decades.

As of 1990, 57.8% of Iowa's females 16 years and over were in the labor force (Table 6). Twenty-one counties were below the 50% mark (Figure 2), although Taylor was the only one below 45%. Nine counties (Dallas, Iowa, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Warren) reported at least 60% participation by females in the labor force.

Significant changes occurred in female labor force participation across these four decades. One-fourth (25.3%) were in the labor force in 1950. That figure increased at every census to more than half (57.8%) in 1990 (Figure 3). At least three-fourths of males 16 years and over in Iowa were in the

labor force at each census from 1950 through 1990 (Table 6, Figure 3). The state's percentages for males were higher at each census than those for females. In 1950, for example, the percentage of males in the labor force was three times that for females. From that point on, however, there was an average of about a percentage point decline *per decade* for males, while there was nearly a percentage point gain *per year* for females.

The county trends for females and males differ substantially when information for 1950 and 1990 is compared. For males, only seven counties had higher percentages in the labor force in 1990 than in 1950; 91 had smaller percentages in 1990 than in 1950, and one remained the same. Twenty-eight counties had smaller percentages of males in the labor force at each successive census; none increased at each census, although that happened in 95 counties for females. All 99 counties had higher percentages of females in the labor force at the end of the period than at the beginning. Only three counties (Black Hawk, Van Buren, Wayne) reported increases in female labor force participation of less than 25 percentage points. For males, however, declines of 10 percentage points or more occurred in 20 counties, and only Johnson gained at least 10 percentage points over the period.

Unemployment

The census bureau counted nearly 64,000 unemployed Iowans in 1990. That was somewhat lower than the number in 1980, but the figures for the two most recent censuses were substantially higher than those for 1950, 1960, and 1970 (Tables 1-5). Ninety-five percent or more of the total labor force in Iowa was employed at each census since 1950 (Table 7). The unemployment rate increased steadily from 1950 to 1980, although it declined from 1980 to 1990.

To be classified as unemployed, a person must be without a job during the census reference week, but available for and actively looking for work in the previous four weeks. An unemployed person is considered to be part of the labor force but a person without a job and not actively looking for work is not. Unemployment percentages are calculated by dividing the number unemployed by the number in the labor force and multiplying by 100.

Sioux was the only county in which those unemployed constituted less than 2% of the total labor force, although 10 others were under 3% in 1990. Eleven counties had unemployment of at least 6%; only Lucas, Monroe, and Wapello were at 7% or higher.

The state and every county had higher unemployment rates in 1990 than in 1950. There was much decade-to-decade fluctuation among the counties, but 10 (Buchanan, Franklin, Grundy, Johnson, Jones, Linn, Monroe, Scott, Taylor, Webster) experienced increases in the percentages unemployed in each decade. Almost all counties recorded increases in unemployment percentages between 1950 and 1960 (95) and again from 1970 to 1980 (91).

Unemployment by Sex

Statewide, unemployment rates for males and females were fairly similar in both 1950 and 1960 (Figure 4). In 1970, however, the percentage for females was 1.8 points higher than that for males. In 1980 and again in 1990 the rates for females were lower than those for males.

A majority of the counties recorded increased percentages of females unemployed during each of the first three decades included in Table 7. During the fourth decade, however, a majority had lower unemployment rates for females at the end of the period than at the beginning. There were only four counties (Cherokee, Clinton, Lucas, Mahaska) in which the rate for females increased each decade.

All counties had higher male unemployment rates in 1990 than they did in 1950. For 1950-1960 and 1970-1980, nearly all counties (92 and 94, respectively) recorded increased unemployment rates for males. For 1960-1970 and 1980-1990, a majority of the counties had a decline in these rates. Ten counties (Adams, Buchanan, Carroll, Franklin, Grundy, Jones, Linn, Monroe, Page, Webster) experienced increases in the unemployment rate for males at each census.

Figure 3. Percent of females and males in the labor force in Iowa, 1950-1990.

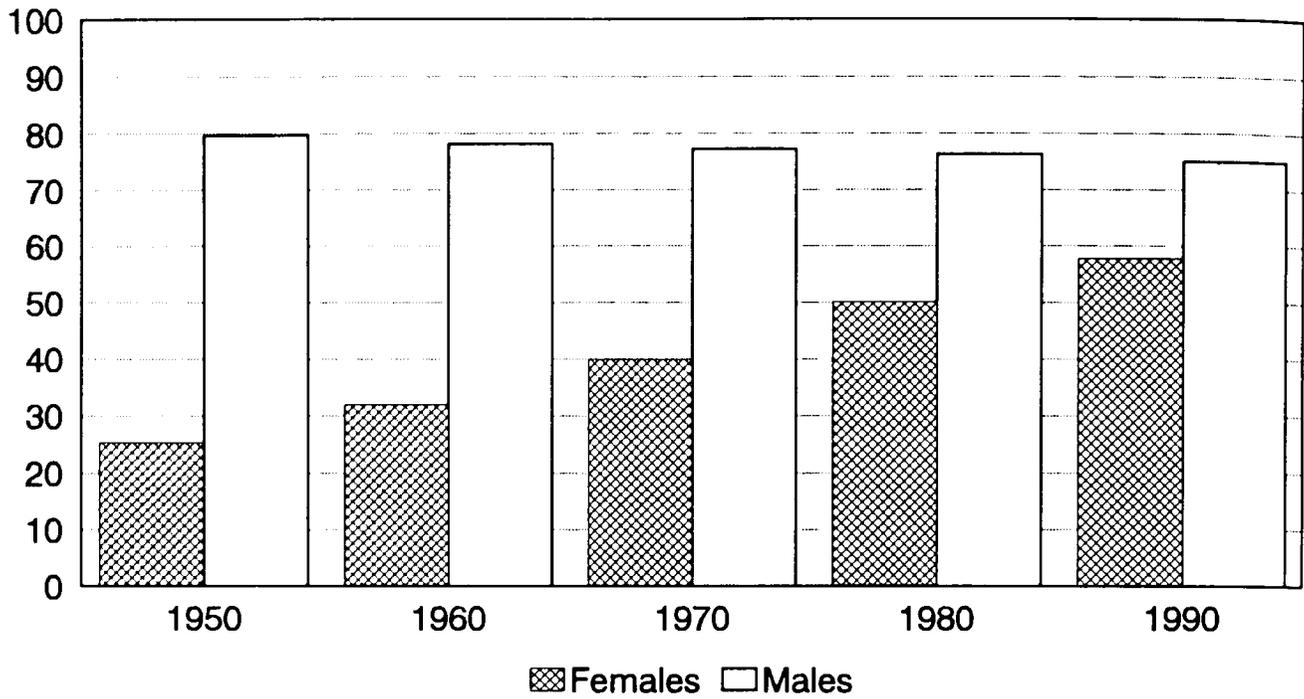
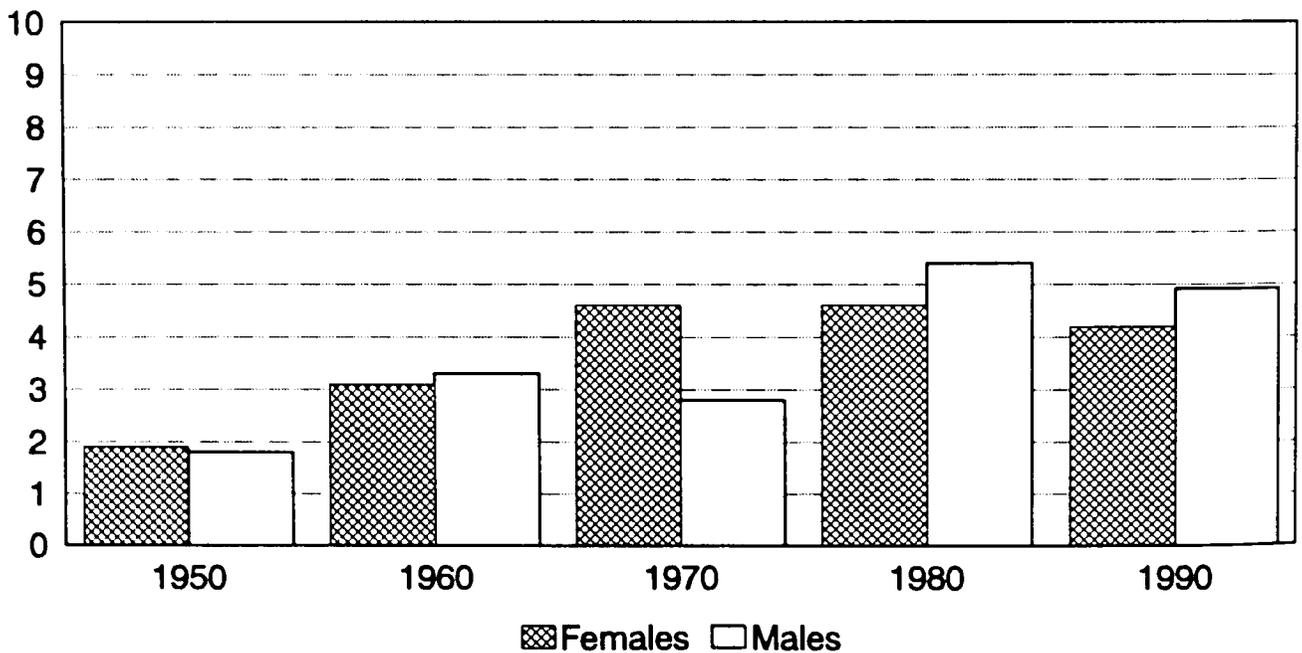


Figure 4. Unemployment rates by sex in Iowa, 1950-1990.



Family and Household Income in Iowa's Counties: 1949-1989

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A series of questions on income is included in the decennial census. In the 1990 census, information on money income received in the calendar year 1989 was requested from persons 15 years old and over. Responses were summed across amounts reported separately for wage or salary income; net nonfarm self-employment income; net farm self-employment income; interest, dividend, or net rental or royalty income; Social Security or railroad retirement income; public assistance or welfare income; retirement or disability income; and all other income. It does not include money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for persons, and so on; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Questions on money income are 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-8 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. Minor changes in the sample size and questions asked have occurred over the 1950-1990 censuses. The effects of inflation have not been controlled in the tables in this section.

Family Income

For family income, the incomes of all members 15 years old and over in each family are summed and treated as a single amount. A family consists of a householder and one or more other persons living in the same household who are related to the householder by birth, marriage, or adoption; all persons in a household who are related to the householder are regarded as members of his or her family.

In 1989, relatively similar numbers of families had incomes of less than \$5,000 (23,657) and of \$100,000 or more (20,490) in Iowa (Table 1). About 36% of the state's nearly 750,000 families reported incomes below \$25,000; another 43% were in the \$25,000-\$49,999 category and the remaining 21% had incomes of \$50,000 or more. Only 12 counties had more than the state's percentage of families with incomes of \$50,000 or more; six (Johnson, Linn, Polk, Scott, Story, Warren) had at least 25% of their families with incomes that high, although only two of these were above 30% (Johnson, 35.6%; Polk, 30.9%). In contrast, 78 counties counted at least 36% of their families in the category with incomes less than \$25,000. In eight (Adams, Appanoose, Davis, Decatur, Monona, Taylor, Van Buren, Wayne), at least half of the families reported incomes under \$25,000 in 1989.

In 1989, median family income in Iowa was \$31,659 (Table 1); that's the point at which half the families reported more income and half reported less. The 1989 median was more than 50% higher than the 1979 figure of \$20,052 (Table 2). The 1979 median was more than twice that of 1969 (Table 3, \$9,018). Median family income was \$5,069 in 1959 (Table 4) and \$3,068 in 1949 (Table 5, Figure 1).

Table 1. Family Income in Iowa Counties, 1989.

County	Total Families	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$29,999	\$30,000-\$34,999	\$35,000-\$39,999	\$40,000-\$44,999	\$45,000-\$49,999	\$50,000-\$74,999	\$75,000-\$99,999	\$100,000 or More	Median Income
Adair	2428	89	200	221	323	317	258	261	206	173	122	177	41	40	\$26046
Adams	1411	60	150	167	163	204	156	171	121	67	23	85	14	30	\$23906
Allamakee	3733	159	246	364	509	442	416	332	325	243	148	388	78	83	\$26635
Appanoose	3872	234	415	502	568	369	420	258	292	181	159	357	70	47	\$22683
Audubon	2123	53	196	225	263	291	217	260	172	105	66	181	59	35	\$25590
Benton	6304	232	388	497	559	743	604	649	570	552	405	824	206	75	\$30872
Black Hawk	32489	1470	2289	2401	2707	3176	2696	2806	2485	2365	2167	5814	1225	888	\$32438
Boone	6982	154	367	512	624	793	759	760	640	633	459	966	172	143	\$31659
Bremer	6242	154	327	485	555	509	722	687	577	523	411	984	206	102	\$32662
Buchanan	5658	215	488	559	564	648	543	520	477	443	278	678	154	91	\$28050
Buena Vista	5262	140	231	398	599	600	763	591	485	394	256	505	174	126	\$29186
Butler	4542	145	291	450	542	549	547	457	395	319	189	489	100	69	\$27492
Calhoun	3159	93	163	280	361	420	446	340	222	198	183	300	84	69	\$27905
Carroll	5719	160	345	478	613	660	689	668	471	429	320	601	153	132	\$29270
Cass	4277	118	264	467	476	610	493	397	346	329	170	447	77	83	\$26817
Cedar	5056	172	258	459	346	544	536	579	467	452	308	681	158	96	\$31915
Cerro Gordo	12725	315	559	921	1426	1358	1370	1424	1261	1004	677	1759	360	291	\$31399
Cherokee	3906	101	265	322	468	477	487	512	277	216	187	428	88	78	\$28350
Chickasaw	3684	98	183	332	477	395	503	438	311	258	190	358	94	47	\$28348
Clarke	2354	48	200	241	317	262	243	275	129	136	143	259	45	56	\$27129
Clay	4842	100	295	427	487	451	608	577	466	441	209	560	99	122	\$30346
Clayton	5235	170	460	483	673	768	509	510	442	339	273	422	108	78	\$25586
Clinton	14322	516	784	1189	1313	1647	1417	1371	1275	1229	885	2115	395	186	\$31046
Crawford	4496	214	326	506	444	576	579	531	356	208	158	477	87	34	\$26431
Dallas	8288	146	424	546	674	808	862	700	808	778	478	1422	423	219	\$34881
Davis	2399	79	263	252	375	317	269	252	116	138	103	193	31	11	\$23519
Decatur	2184	122	262	245	304	262	188	238	144	145	58	163	36	17	\$22872
Delaware	4838	236	244	368	484	497	626	482	522	346	225	560	106	142	\$29685
Des Moines	11844	485	622	848	962	1284	1149	1273	1114	962	685	1870	377	213	\$32097
Dickinson	4270	74	234	329	457	499	474	493	362	312	235	434	154	213	\$30659
Dubuque	22096	618	989	1422	1906	1912	2262	2463	1912	1952	1545	3683	776	656	\$33828
Emmet	3100	125	170	289	335	458	379	349	205	182	128	354	78	48	\$27288
Fayette	6038	215	481	633	772	672	764	555	519	427	263	516	94	127	\$26685

Table 1. Family Income in Iowa Counties, 1989 (continued).

County	Total Families	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$29,999	\$30,000-\$34,999	\$35,000-\$39,999	\$40,000-\$44,999	\$45,000-\$49,999	\$50,000-\$74,999	\$75,000-\$99,999	\$100,000 or More	Median Income
Floyd	4800	193	360	427	492	575	569	524	419	312	267	449	100	113	\$28188
Franklin	3218	104	182	324	291	396	458	346	263	174	143	364	116	57	\$28492
Fremont	2306	72	143	241	263	281	263	255	274	146	93	203	36	36	\$27452
Greene	2918	73	244	242	313	408	345	377	241	206	111	237	79	42	\$27272
Grundy	3551	59	183	289	353	397	401	472	319	279	168	459	105	67	\$30847
Guthrie	3238	104	209	329	341	468	448	291	208	261	147	293	88	51	\$26615
Hamilton	4714	104	156	406	511	495	576	532	564	459	166	549	118	78	\$31069
Hancock	3530	85	170	256	425	402	488	467	349	273	167	347	44	57	\$29400
Hardin	5312	123	291	505	575	695	671	578	472	308	257	638	100	99	\$28539
Harrison	4093	128	348	428	385	519	472	481	340	218	200	421	105	48	\$27293
Henry	5104	163	252	396	552	552	581	546	462	525	255	627	82	111	\$30385
Howard	2646	127	169	264	262	398	407	258	230	182	97	172	29	51	\$26209
Humboldt	3155	57	119	352	343	350	434	393	266	228	125	316	84	88	\$29082
Ida	2330	57	159	230	249	309	290	242	179	147	99	269	50	50	\$27287
Iowa	4124	95	177	311	345	472	496	457	452	384	263	482	103	87	\$31687
Jackson	5515	269	436	530	572	628	605	605	341	398	280	653	131	67	\$27436
Jasper	9965	246	322	671	1010	896	1089	1125	848	948	684	1593	331	202	\$32927
Jefferson	4271	157	354	257	504	418	505	425	410	358	248	433	85	117	\$29439
Johnson	20478	544	943	1111	1233	1581	1661	1629	1653	1528	1304	4396	1399	1496	\$39606
Jones	5071	136	327	400	670	632	560	529	442	347	265	524	153	86	\$28142
Keokuk	3350	97	288	300	436	410	368	427	297	191	134	293	68	41	\$26706
Kossuth	5185	170	268	524	538	738	672	666	370	371	247	399	127	95	\$27665
Lee	10567	532	720	862	911	1171	1093	967	800	856	748	1468	260	179	\$29970
Linn	45165	990	1598	2283	2969	3650	3934	4382	4216	4141	3590	9543	2200	1669	\$38142
Louisa	3249	110	219	314	340	346	343	359	280	260	183	379	67	49	\$29258
Lucas	2538	100	184	287	285	277	263	265	182	196	116	323	20	40	\$27482
Lyon	3339	106	193	409	392	448	470	350	278	168	88	316	78	43	\$26142
Madison	3564	128	225	328	314	315	430	420	294	319	220	419	108	44	\$30547
Mahaska	6065	201	450	607	693	693	742	628	531	406	250	619	130	115	\$27465
Marion	7951	224	454	436	602	830	938	1027	729	596	574	1085	238	218	\$31995
Marshall	10624	168	494	707	903	1072	1061	1006	1076	901	765	1804	455	212	\$34495
Mills	3513	83	171	294	331	382	317	330	380	314	249	510	111	41	\$32798
Mitchell	3032	104	175	248	267	360	396	357	324	211	177	317	68	28	\$29341

Table 1. Family Income in Iowa Counties, 1989 (continued).

County	Total Families	Less than \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000- \$24,999	\$25,000- \$29,999	\$30,000- \$34,999	\$35,000- \$39,999	\$40,000- \$44,999	\$45,000- \$49,999	\$50,000- \$74,999	\$75,000- \$99,999	\$100,000 or More	Median Income
Monona	2878	94	246	350	350	409	364	263	187	181	134	165	48	87	\$24887
Monroe	2248	100	185	255	265	300	280	211	134	128	87	226	46	31	\$25325
Montgomery	3421	111	206	323	366	401	417	363	378	280	132	313	74	57	\$28827
Muscatine	10975	397	646	724	787	1045	970	1126	1103	922	704	1943	347	261	\$34083
O'Brien	4289	102	238	365	486	617	468	497	461	256	232	391	115	61	\$28519
Osceola	2039	53	93	254	191	278	197	236	156	182	84	203	68	44	\$28599
Page	4601	154	353	519	402	576	504	456	381	342	220	534	76	84	\$27933
Palo Alto	2853	125	209	285	355	406	354	293	198	165	91	267	58	47	\$25705
Plymouth	6292	202	278	494	576	635	817	665	608	445	403	853	158	158	\$31011
Pocahontas	2741	83	155	274	271	363	362	278	239	214	126	248	80	48	\$27865
Polk	86394	2230	3443	4691	5624	7080	7604	8198	7565	7218	6029	17277	5259	4176	\$37669
Pottawattamie	23038	867	1175	1578	2347	2503	2432	2709	2072	1720	1361	3142	694	438	\$31044
Poweshiek	5016	99	246	456	467	486	615	548	466	377	313	640	154	149	\$31031
Ringgold	1575	55	136	182	142	266	233	127	138	97	55	100	16	28	\$25133
Sac	3501	115	230	369	484	418	462	359	216	226	155	338	61	68	\$26264
Scott	40501	1628	2230	2456	3198	3025	3280	3607	3455	3077	2758	8283	2175	1329	\$36160
Shelby	3698	117	157	390	513	557	416	356	286	242	137	356	64	107	\$26218
Sioux	7712	181	287	695	817	1027	962	967	758	512	353	812	119	222	\$29356
Story	16053	531	704	1095	1178	1353	1484	1533	1439	1146	1082	2939	968	601	\$35482
Tama	4922	145	270	485	528	570	611	550	465	319	203	549	138	89	\$28659
Taylor	2030	100	239	208	281	333	192	179	179	87	80	133	12	7	\$22801
Union	3566	144	319	401	339	410	476	374	185	248	208	365	56	41	\$26441
Van Buren	2211	87	201	300	341	291	246	212	165	102	82	141	23	20	\$22574
Wapello	10180	461	768	1093	1284	1187	992	988	709	697	482	1063	250	206	\$26506
Warren	10106	203	347	625	701	809	919	1069	975	1064	825	2056	271	242	\$36646
Washington	5228	102	212	428	523	650	662	582	511	493	307	577	111	70	\$30295
Wayne	2063	136	205	249	331	244	256	137	116	105	73	151	50	10	\$22175
Webster	10881	332	657	1010	1223	1246	1235	1178	948	850	597	1154	279	172	\$28769
Winnebago	3315	133	168	272	326	436	411	369	319	301	153	325	42	60	\$28750
Winneshiek	5127	162	280	475	576	541	681	529	360	427	205	599	180	112	\$28876
Woodbury	26112	1055	1667	2135	2592	2662	2588	2554	2309	1918	1536	3442	758	896	\$30678
Worth	2305	66	143	193	261	318	239	281	249	139	87	214	67	48	\$28582
Wright	4101	68	242	379	432	514	474	454	423	329	202	397	90	97	\$29201
State of Iowa	746331	23657	41297	57394	68873	77038	77503	76143	65112	57899	44282	110146	26497	20490	\$31659

Table 2. Family Income in Iowa Counties, 1979.

County	Total Families	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 or More	Median Income
Adair	2706	324	484	575	452	298	312	181	80	\$14737
Adams	1689	168	316	350	318	250	201	53	33	\$15158
Allamakee	3944	334	772	715	816	514	512	198	83	\$15864
Appanoose	4383	464	1002	828	702	607	547	157	76	\$14322
Audubon	2411	144	396	618	468	270	287	123	105	\$15432
Benton	6445	473	793	870	1071	1138	1253	605	242	\$20059
Black Hawk	35542	1874	3415	4045	5368	6104	8457	4320	1959	\$22310
Boone	7146	363	839	1207	1186	1195	1460	605	291	\$19909
Bremer	6593	361	740	840	1098	1226	1385	631	312	\$20952
Buchanan	5967	428	813	964	889	1018	1153	456	246	\$19336
Buena Vista	5633	284	706	1016	877	944	947	516	343	\$19612
Butler	4959	358	687	820	943	869	797	287	198	\$18300
Calhoun	3769	259	611	609	750	483	599	278	180	\$17672
Carroll	5780	325	723	995	1050	933	993	435	326	\$18993
Cass	4796	319	693	978	854	686	783	299	184	\$17287
Cedar	5139	344	599	695	814	944	974	507	262	\$20514
Cerro Gordo	13179	589	1612	1960	2351	2385	2557	1115	610	\$20149
Cherokee	4380	281	526	755	756	709	677	394	282	\$19171
Chickasaw	4086	323	538	678	757	715	667	287	121	\$18344
Clarke	2509	240	526	496	449	364	224	170	40	\$14927
Clay	5451	363	637	972	884	812	999	433	351	\$19243
Clayton	5689	510	976	1051	1061	770	800	301	220	\$16408
Clinton	15367	697	1660	1889	2659	2705	3679	1553	525	\$21247
Crawford	5136	447	703	849	788	786	1013	342	208	\$18351
Dallas	8168	376	768	1193	1337	1377	1923	819	375	\$21368
Davis	2539	341	479	354	514	283	324	125	119	\$15809
Decatur	2587	266	604	492	486	304	289	123	23	\$14113
Delaware	4789	376	622	760	900	748	854	334	195	\$18546
Des Moines	12560	673	1344	1926	1908	2139	2784	1309	477	\$20948
Dickinson	4489	210	596	838	883	692	724	335	211	\$18471
Dubuque	22636	1032	2178	2694	3379	4011	5539	2511	1292	\$22484
Emmet	3574	220	423	582	614	675	643	244	173	\$19545
Fayette	6859	441	998	1233	1291	1010	1153	433	300	\$17579

Table 2. Family Income in Iowa Counties, 1979 (continued).

County	Total Families	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 or More	Median Income
Floyd	5424	313	727	879	1099	810	999	382	215	\$18665
Franklin	3729	288	457	661	733	620	595	247	128	\$18240
Fremont	2689	281	423	527	473	355	377	147	106	\$16228
Greene	3492	309	529	582	613	515	585	199	160	\$17785
Grundy	4003	185	409	555	753	706	775	397	223	\$20611
Guthrie	3369	350	540	625	604	460	479	233	78	\$16254
Hamilton	5034	309	559	894	967	831	790	398	286	\$18590
Hancock	3834	228	449	716	659	727	609	281	165	\$18790
Hardin	5948	414	756	917	1103	1083	966	468	241	\$18891
Harrison	4428	456	668	835	782	631	652	295	109	\$16635
Henry	5160	311	640	969	980	834	838	424	164	\$18377
Howard	2959	253	502	511	534	369	475	164	151	\$16779
Humboldt	3589	197	516	618	629	576	544	371	138	\$18616
Ida	2508	220	385	497	425	377	360	137	107	\$16407
Iowa	4258	242	476	572	803	836	769	370	190	\$20195
Jackson	5853	470	738	816	1013	1146	1037	341	292	\$19439
Jasper	10373	520	1338	1507	1986	1746	2088	805	383	\$19582
Jefferson	4171	319	686	815	824	473	622	311	121	\$16468
Johnson	17941	819	1775	2471	2639	2753	3833	2216	1435	\$22294
Jones	5389	380	757	790	933	844	1148	379	158	\$19040
Keokuk	3654	320	557	802	672	436	516	212	139	\$15964
Kossuth	5894	509	738	1054	1045	958	913	391	286	\$18001
Lee	11342	553	1414	1675	2001	1725	2343	1155	476	\$20084
Linn	44641	1834	3409	5204	6634	7932	11825	5502	2301	\$23194
Louisa	3363	216	458	517	644	544	601	265	118	\$18742
Lucas	2998	300	562	560	526	373	475	121	81	\$15592
Lyon	3452	296	520	575	671	530	441	222	197	\$17147
Madison	3465	335	488	503	627	592	550	281	89	\$18309
Mahaska	6471	528	963	1271	1255	956	948	343	207	\$16681
Marion	7767	460	1006	1131	1543	1268	1456	723	180	\$19156
Marshall	11324	465	1352	1507	2011	2007	2455	1084	443	\$20719
Mills	3458	194	382	629	694	562	643	203	151	\$18943
Mitchell	3341	263	520	637	497	399	523	317	185	\$17237

Table 2. Family Income in Iowa Counties, 1979 (continued).

County	Total Families	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 or More	Median Income
Monona	3380	351	566	653	699	393	396	211	111	\$15690
Monroe	2553	194	410	525	492	352	417	113	50	\$16583
Montgomery	3882	217	513	736	692	680	689	294	61	\$18192
Muscatine	10820	647	1209	1418	1692	1766	2205	1323	560	\$21150
O'Brien	4656	360	621	887	835	740	624	369	220	\$17768
Osceola	2337	195	291	458	413	341	333	220	86	\$17933
Page	5213	408	779	1025	1026	754	771	302	148	\$17081
Palo Alto	3302	192	505	669	597	459	481	266	133	\$17321
Plymouth	6451	408	820	1136	1215	1011	958	539	364	\$18532
Pocahontas	3111	211	409	663	507	460	442	237	182	\$17341
Polk	79858	3556	7687	9873	11745	13255	18371	10426	4945	\$22512
Pottawattamie	23355	1376	2949	3480	3948	3818	4767	2214	803	\$19903
Poweshiek	5094	390	665	856	988	780	907	354	154	\$17859
Ringgold	1770	301	431	304	238	207	162	75	52	\$12391
Sac	3963	257	505	835	789	606	516	278	177	\$17175
Scott	42000	1882	3658	4384	5678	7001	10475	6474	2448	\$23812
Shelby	4007	323	448	809	775	633	540	274	205	\$17606
Sioux	7768	479	834	1413	1785	1222	1147	549	339	\$18067
Story	15761	752	1595	2221	2416	2509	3592	1836	840	\$21679
Tama	5397	373	719	985	958	887	973	364	138	\$18088
Taylor	2406	314	467	559	374	269	253	112	58	\$13913
Union	3795	333	533	838	598	605	555	255	78	\$16448
Van Buren	2390	307	519	442	416	306	228	131	41	\$14151
Wapello	11286	611	1767	2054	1923	1737	2040	768	386	\$17961
Warren	9445	379	984	1108	1536	1720	2347	1090	281	\$22239
Washington	5483	431	763	1008	860	827	932	415	247	\$18183
Wayne	2461	334	509	547	437	310	167	112	45	\$13128
Webster	12203	684	1585	1772	2068	1926	2440	1173	555	\$19981
Winnebago	3551	187	486	724	654	603	585	165	147	\$17484
Winneshiek	5289	389	923	1041	780	836	732	379	209	\$16777
Woodbury	26965	1968	3580	3870	4772	4219	5066	2239	1251	\$19223
Worth	2570	111	361	462	528	393	417	221	77	\$18425
Wright	4568	259	601	801	843	615	821	376	252	\$18537
State of Iowa	773311	46523	93170	116225	129322	125178	153088	74017	35788	\$20052

Table 3. Family Income in Iowa Counties, 1969.

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$7,999	\$8,000- \$8,999	\$9,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000- \$49,999	\$50,000 or More	Median Income
Adair	2600	31	126	163	145	225	271	203	196	194	178	455	265	142	6	\$7694
Adams	1749	54	111	142	180	101	159	124	173	118	141	283	116	47	0	\$7020
Allamakee	3653	90	193	363	327	348	265	345	308	253	231	589	239	68	34	\$6697
Appanoose	4137	94	371	305	439	326	429	265	289	337	215	690	309	47	21	\$6394
Audubon	2604	73	159	206	254	194	280	240	201	223	143	361	195	61	14	\$6567
Benton	5888	79	174	332	318	360	444	480	557	447	391	1387	668	198	53	\$8447
Black Hawk	32186	432	768	1333	1445	1424	1343	1850	2046	2689	2620	10359	4680	977	220	\$10054
Boone	6915	136	229	276	474	387	543	621	555	574	511	1612	768	182	47	\$8412
Bremer	5802	98	197	367	372	253	386	392	417	469	398	1510	693	185	65	\$8893
Buchanan	5289	125	227	286	278	326	499	389	484	440	405	1153	487	165	25	\$8069
Buena Vista	5378	107	177	281	263	286	421	449	370	422	309	1431	639	187	36	\$8794
Butler	4614	81	180	333	369	334	391	378	362	466	342	917	338	99	24	\$7666
Calhoun	3822	103	169	281	306	234	342	284	259	325	253	832	312	85	37	\$7741
Carroll	5380	64	205	335	263	345	570	432	489	458	366	1169	572	85	27	\$7973
Cass	4710	86	171	311	365	362	447	417	432	312	284	951	442	125	5	\$7454
Cedar	4698	77	169	206	292	213	309	401	349	406	309	1178	622	142	25	\$8820
Cerro Gordo	12661	169	354	573	661	687	787	737	1096	1079	1011	3581	1466	401	59	\$9185
Cherokee	4431	70	118	218	280	297	335	353	382	312	369	1046	527	99	25	\$8521
Chickasaw	3700	127	211	200	308	283	239	264	311	317	305	698	361	71	5	\$7701
Clarke	2206	48	148	175	166	166	190	180	134	159	139	458	151	85	7	\$7224
Clay	4921	125	157	264	293	345	349	338	375	344	413	1070	643	149	56	\$8624
Clayton	5269	168	282	404	423	391	436	477	444	415	339	1027	334	119	10	\$7120
Clinton	14484	184	323	549	568	740	799	900	1068	1276	1264	4300	2149	299	65	\$9661
Crawford	4864	96	183	309	303	365	492	373	374	407	307	1122	458	75	0	\$7832
Dallas	7096	134	224	361	382	333	387	429	581	584	539	2037	911	179	15	\$9247
Davis	2310	74	155	167	208	159	196	200	218	138	115	468	144	52	16	\$6980
Decatur	2471	77	163	284	311	241	231	163	229	131	206	309	116	10	0	\$5690
Delaware	4420	106	209	297	297	282	373	314	405	368	320	849	449	124	27	\$7820
Des Moines	12369	132	331	554	592	552	667	948	851	996	883	3783	1734	308	38	\$9636
Dickinson	3410	77	130	251	207	220	250	332	247	286	271	685	316	124	14	\$7964
Dubuque	20012	251	569	803	720	802	970	1014	1274	1602	1708	6563	2991	630	115	\$10168
Emmet	3488	114	173	163	194	125	299	269	282	302	297	854	313	98	5	\$8414
Fayette	6767	143	427	399	440	448	544	513	594	684	418	1364	598	180	15	\$7790

Table 3. Family Income in Iowa Counties, 1969 (continued).

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$7,999	\$8,000- \$8,999	\$9,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000- \$49,999	\$50,000 or More	Median Income
Floyd	5109	146	166	303	240	284	356	468	453	502	387	1222	449	108	25	\$8276
Franklin	3688	109	124	208	220	262	387	337	332	316	313	667	309	86	18	\$7593
Fremont	2558	40	124	158	170	174	251	184	221	192	206	545	226	54	13	\$7805
Greene	3498	59	145	243	194	186	265	242	220	315	251	790	385	177	26	\$8619
Grundy	3899	58	57	157	160	196	346	405	424	355	239	902	497	79	24	\$8413
Guthrie	3327	32	153	254	245	256	259	332	366	253	222	621	301	33	0	\$7362
Hamilton	4892	75	185	279	261	273	378	390	466	418	367	1116	518	139	27	\$8333
Hancock	3543	62	113	227	214	230	323	325	375	304	222	797	274	50	27	\$7740
Hardin	5820	109	223	258	327	364	378	445	430	524	455	1414	673	184	36	\$8718
Harrison	4348	105	143	359	379	259	400	351	396	306	289	871	354	121	15	\$7449
Henry	4801	58	139	269	270	268	362	290	352	348	349	1367	618	101	10	\$9128
Howard	2958	124	168	281	228	219	183	234	207	160	153	538	280	160	23	\$7203
Humboldt	3303	46	96	241	198	152	241	287	315	282	277	748	339	77	4	\$8268
Ida	2475	14	84	125	171	142	173	149	205	206	164	612	283	105	42	\$8847
Iowa	4056	103	159	196	321	265	402	323	376	354	276	885	323	60	13	\$7689
Jackson	5079	128	154	329	391	286	303	374	481	433	394	1175	479	110	42	\$8216
Jasper	9481	141	304	380	405	469	504	669	777	807	787	2627	1355	226	30	\$9361
Jefferson	4020	99	130	264	191	283	255	294	337	343	286	942	465	102	29	\$8458
Johnson	16135	241	434	698	759	819	966	1123	1093	1119	1095	4555	2535	630	68	\$9745
Jones	5012	104	237	275	321	315	334	454	436	372	325	1216	513	105	5	\$8081
Keokuk	3838	92	277	270	306	237	379	314	315	276	204	727	356	80	5	\$7140
Kossuth	5823	163	263	306	352	324	485	552	532	531	489	1143	530	137	16	\$7877
Lee	11078	189	375	522	642	498	564	752	1002	1041	771	3120	1291	264	47	\$8956
Linn	40866	511	904	1362	1439	1320	1761	1943	2635	2850	3192	14458	7065	1276	150	\$10721
Louisa	2808	80	124	113	168	167	117	244	228	244	214	792	261	56	0	\$8668
Lucas	2826	106	155	217	206	224	224	238	198	241	148	632	180	46	11	\$7217
Lyon	3439	83	105	222	284	314	356	272	277	233	161	711	308	92	21	\$7301
Madison	3173	86	171	167	188	267	232	230	345	267	154	720	261	73	12	\$7712
Mahaska	6008	222	306	456	455	385	471	459	512	465	366	1259	483	141	28	\$7488
Marion	6610	179	270	368	435	319	488	478	617	565	422	1599	692	162	16	\$8267
Marshall	10676	155	239	452	520	552	549	611	769	904	878	3304	1397	273	73	\$9669
Mills	3022	59	100	147	125	189	260	182	182	291	202	766	350	133	36	\$8918
Mitchell	3227	38	101	194	270	228	292	291	332	206	212	674	295	94	0	\$7601

Table 3. Family Income in Iowa Counties, 1969 (continued).

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$7,999	\$8,000- \$8,999	\$9,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000- \$49,999	\$50,000 or More	Median Income
Monona	3273	100	161	210	241	297	300	336	252	163	164	643	317	73	16	\$6975
Monroe	2527	91	139	208	183	172	187	210	214	261	155	506	164	28	9	\$7343
Montgomery	3584	49	172	227	231	178	325	318	235	303	193	846	383	104	20	\$8188
Muscatine	9470	149	233	352	390	485	532	629	587	832	749	2792	1400	310	30	\$9729
O'Brien	4556	84	179	338	324	250	429	406	457	430	295	888	375	95	6	\$7586
Osceola	2223	53	122	102	177	195	193	169	233	192	173	343	172	91	8	\$7431
Page	4991	59	219	389	340	365	416	435	398	417	301	1093	445	94	20	\$7685
Palo Alto	3321	81	163	190	193	244	279	255	354	253	165	706	322	100	16	\$7722
Plymouth	5812	81	281	355	356	308	459	476	506	450	430	1367	616	124	3	\$8187
Pocahontas	3284	48	121	235	257	177	321	275	303	263	187	676	308	97	16	\$7686
Polk	72677	814	1455	2528	2828	2919	3254	4005	4521	5112	5234	22940	13528	3012	527	\$10682
Pottawattamie	21932	360	559	924	861	1107	1380	1521	1903	1735	1728	6540	2694	490	130	\$9356
Poweshiek	4757	65	157	245	242	281	417	425	394	313	348	1070	619	123	58	\$8487
Ringgold	1866	73	99	113	204	159	173	186	158	103	117	282	174	25	0	\$6602
Sac	4149	108	163	227	220	321	349	330	391	298	292	846	398	162	44	\$7912
Scott	35653	698	740	1210	1180	1256	1406	1685	2091	2640	2685	11836	6624	1333	269	\$10775
Shelby	3908	66	156	236	223	268	310	347	345	295	228	925	425	65	19	\$8010
Sioux	6741	154	298	425	487	570	526	468	694	623	458	1354	538	141	5	\$7638
Story	14326	110	419	673	692	875	809	981	983	942	988	3733	2325	704	92	\$9687
Tama	5352	104	264	348	295	301	389	453	504	383	465	1211	516	109	10	\$8047
Taylor	2491	129	218	232	223	209	233	287	177	222	110	240	154	41	16	\$6005
Union	3703	75	214	274	323	292	334	284	333	308	214	750	241	50	11	\$7167
Van Buren	2422	112	170	228	267	242	190	187	215	148	78	451	111	23	0	\$6011
Wapello	11241	243	409	687	626	619	700	830	988	1014	929	2888	1046	196	66	\$8511
Warren	6878	96	187	247	293	299	302	332	501	609	598	2330	905	144	35	\$9958
Washington	4991	56	164	202	322	220	358	418	459	382	356	1242	657	150	5	\$8776
Wayne	2461	122	171	249	249	178	257	184	187	179	88	364	146	87	0	\$6024
Webster	12176	163	295	591	586	680	796	878	1043	919	1004	3369	1515	299	38	\$9136
Winnebago	3337	46	59	156	154	256	291	302	247	274	293	763	426	49	21	\$8575
Winneshiek	5013	65	185	355	381	390	468	356	402	468	303	915	493	181	51	\$7762
Woodbury	25863	351	866	1373	1481	1356	1605	1816	1974	2039	2027	6815	3189	826	145	\$9035
Worth	2441	50	78	177	147	163	206	107	199	185	223	558	246	91	11	\$8505
Wright	4657	75	152	268	277	189	306	357	358	330	271	1008	611	312	143	\$9061
State of Iowa	717776	12571	23779	36365	38751	38701	46387	49564	55164	56641	52319	190896	91734	21061	3843	\$9018

Table 4. Family Income in Iowa Counties, 1959.

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$7,999	\$8,000- \$8,999	\$9,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000 or More	Median Income
Adair	3055	410	467	509	452	280	313	208	109	103	51	95	47	11	\$3313
Adams	2119	214	350	363	311	270	150	135	118	49	43	96	12	8	\$3426
Allamakee	3951	594	575	580	614	472	390	258	131	85	49	141	46	16	\$3369
Appanoose	4467	543	695	779	610	517	484	302	136	120	88	134	36	23	\$3355
Audubon	2904	369	436	434	477	391	199	174	106	69	64	118	32	35	\$3447
Benton	6082	542	625	676	758	790	736	559	444	311	163	340	96	42	\$4557
Black Hawk	30478	819	1245	1697	1963	3327	4407	4500	3429	2401	1903	3616	820	351	\$6396
Boone	7077	449	583	826	890	1036	907	653	575	317	241	457	94	49	\$4763
Bremer	5303	442	527	573	520	602	726	586	352	237	133	365	179	61	\$4979
Buchanan	5244	477	557	577	578	777	728	446	351	189	158	254	136	16	\$4557
Buena Vista	5629	521	537	687	734	787	571	523	385	282	197	261	94	50	\$4426
Butler	4660	363	603	622	693	641	519	352	211	194	98	273	71	20	\$4076
Calhoun	4228	308	465	630	551	656	470	337	208	183	103	206	78	33	\$4244
Carroll	5679	434	501	590	992	848	656	505	306	206	138	308	133	62	\$4380
Cass	4955	489	585	698	650	623	517	387	274	206	154	239	82	51	\$4089
Cedar	4803	576	542	519	597	659	653	403	243	203	88	214	83	23	\$4254
Cerro Gordo	12991	604	812	1073	1296	1659	2034	1673	1209	738	450	959	304	180	\$5517
Cherokee	4471	512	470	581	622	610	563	339	236	144	76	238	68	12	\$4083
Chickasaw	3783	398	462	481	533	519	360	253	171	186	107	190	106	17	\$4034
Clarke	2353	249	338	359	347	266	250	133	111	66	63	112	47	12	\$3664
Clay	4799	366	457	684	611	639	540	399	285	266	113	289	97	53	\$4441
Clayton	5841	692	890	859	842	729	652	403	253	125	80	231	67	18	\$3569
Clinton	14097	715	779	1107	1210	1824	2049	1940	1305	934	652	1195	331	56	\$5690
Crawford	4864	540	568	650	690	556	531	346	267	112	111	327	138	28	\$3977
Dallas	6659	413	611	776	762	924	936	649	452	325	238	389	121	63	\$4831
Davis	2544	292	377	311	440	312	281	158	131	58	47	100	32	5	\$3664
Decatur	2772	451	497	450	416	257	232	158	100	53	33	93	28	4	\$2973
Delaware	4480	483	685	674	641	602	417	249	273	168	84	135	53	16	\$3621
Des Moines	11938	432	612	878	1084	1637	1808	1284	1116	848	645	1180	280	134	\$5733
Dickinson	3458	434	357	438	511	461	371	253	179	101	66	176	81	30	\$3978
Dubuque	18186	890	1033	1129	1337	2078	2560	2576	1870	1267	849	1882	545	170	\$6026
Emmet	3726	290	357	462	435	502	446	374	254	159	106	220	94	27	\$4635
Fayette	7377	667	866	924	1032	928	858	535	420	360	179	452	110	46	\$4215

Table 4. Family Income in Iowa Counties, 1959 (continued).

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$7,999	\$8,000- \$8,999	\$9,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000 or More	Median Income
Floyd	5494	351	440	593	649	785	771	521	404	208	183	401	144	44	\$4910
Franklin	4234	348	393	602	702	509	473	322	232	177	137	200	103	36	\$4141
Fremont	2888	246	368	458	488	424	299	155	133	91	44	137	20	25	\$3762
Greene	3921	263	476	620	599	490	402	356	174	137	84	229	67	24	\$4005
Grundy	3936	363	393	487	593	535	517	279	215	186	109	182	66	11	\$4247
Guthrie	3761	506	545	580	508	492	425	229	153	91	64	116	36	16	\$3491
Hamilton	5394	306	435	630	848	821	688	430	356	227	141	351	126	35	\$4582
Hancock	3797	439	497	463	575	562	431	245	174	105	87	148	51	20	\$3869
Hardin	6051	357	594	786	803	818	792	523	372	286	162	390	140	28	\$4594
Harrison	4658	403	633	691	608	556	572	288	272	211	106	200	98	20	\$3990
Henry	4553	393	409	541	581	552	525	413	295	253	154	313	97	27	\$4639
Howard	3228	376	592	490	463	355	272	176	175	68	59	133	61	8	\$3337
Humboldt	3452	161	270	452	496	462	438	327	220	157	114	221	98	36	\$4751
Ida	2779	357	324	300	449	437	336	184	142	45	51	92	41	21	\$3910
Iowa	4288	474	370	470	616	604	506	350	269	219	148	155	95	12	\$4354
Jackson	5225	618	539	585	529	584	633	429	340	327	190	328	84	39	\$4585
Jasper	9565	472	726	900	994	1199	1426	1149	729	535	405	674	248	108	\$5345
Jefferson	4153	271	427	413	533	611	551	419	315	177	129	215	77	15	\$4708
Johnson	12245	604	864	1052	1413	1684	1638	1283	873	652	498	1136	423	125	\$5309
Jones	5100	590	495	513	638	679	600	416	339	227	141	298	115	49	\$4462
Keokuk	4110	386	546	643	562	520	460	291	199	174	100	159	62	8	\$3854
Kossuth	6262	583	580	949	1033	930	696	395	305	212	118	333	108	20	\$3986
Lee	11121	538	829	1042	1261	1436	1612	1232	883	626	470	826	231	135	\$5282
Linn	35707	1156	1675	2024	2450	3735	5039	4944	3964	3034	2091	3969	1082	544	\$6359
Louisa	2771	167	291	365	499	375	318	214	163	99	51	181	35	13	\$4169
Lucas	3041	290	421	470	476	406	299	230	168	85	33	95	34	34	\$3713
Lyon	3667	567	478	460	588	404	411	222	157	91	85	134	58	12	\$3559
Madison	3384	378	405	439	503	517	382	234	204	101	64	114	26	17	\$3934
Mahaska	6409	437	743	834	952	919	764	516	346	288	169	303	89	49	\$4260
Marion	6635	422	703	786	773	1055	864	645	451	288	149	361	101	37	\$4600
Marshall	10171	636	663	901	1005	1343	1371	1218	821	667	345	810	288	103	\$5392
Mills	3079	325	367	393	365	470	411	205	167	88	103	145	24	16	\$4190
Mitchell	3590	366	380	381	535	515	467	251	198	152	80	176	67	22	\$4258

Table 4. Family Income in Iowa Counties, 1959 (continued).

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$7,999	\$8,000- \$8,999	\$9,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000 or More	Median Income
Monona	3755	434	444	512	569	485	390	321	201	144	57	123	56	19	\$3857
Monroe	2819	240	438	357	464	394	282	236	154	64	37	125	24	4	\$3807
Montgomery	4046	437	511	513	485	515	458	405	220	148	110	176	44	24	\$4150
Muscatine	9037	441	735	743	990	1313	1453	1050	666	468	321	582	203	72	\$5204
O'Brien	5023	445	504	695	769	763	583	405	232	112	100	291	103	21	\$4129
Osceola	2635	354	331	337	427	347	225	185	131	97	53	95	33	20	\$3692
Page	5596	512	644	870	775	647	698	537	253	188	133	184	107	48	\$3996
Palo Alto	3647	555	410	499	601	439	417	226	186	70	64	112	50	18	\$3598
Plymouth	5846	630	563	802	794	818	668	473	296	192	169	324	86	31	\$4164
Pocahontas	3700	361	407	477	485	545	382	289	191	141	108	211	88	15	\$4220
Polk	69148	1764	3295	3893	4926	7203	9257	9136	7487	6034	4188	8293	2595	1077	\$6464
Pottawattamie	21446	1027	1178	1693	2028	2793	3393	2765	2088	1329	967	1695	351	139	\$5591
Poweshiek	4879	458	509	583	732	668	543	389	279	210	141	240	90	37	\$4236
Ringgold	2259	461	445	390	274	255	167	102	46	19	16	58	18	8	\$2573
Sac	4462	343	463	627	706	676	512	317	262	140	98	203	82	33	\$4136
Scott	30113	965	1350	1627	2137	2988	4129	4053	3306	2604	1959	3610	1014	371	\$6459
Shelby	3957	614	430	480	487	570	438	242	174	101	68	255	82	16	\$3933
Sioux	6531	684	701	887	1000	1050	707	439	320	186	132	296	108	21	\$3994
Story	11921	434	779	1104	1561	1489	1447	1304	1007	601	473	1158	421	143	\$5410
Tama	5703	550	651	826	755	846	622	490	290	186	133	270	70	14	\$4082
Taylor	2937	492	512	536	460	277	235	184	75	39	43	56	20	8	\$2867
Union	3895	395	600	533	487	483	458	239	194	181	93	171	52	9	\$3861
Van Buren	2651	341	448	418	415	324	252	135	95	89	32	67	27	8	\$3286
Wapello	12431	690	953	993	1135	1702	1915	1592	974	701	541	882	243	110	\$5388
Warren	5385	268	517	582	505	659	745	619	479	308	225	361	97	20	\$5217
Washington	5081	388	586	621	790	668	603	444	244	171	139	273	125	29	\$4233
Wayne	2904	402	578	463	424	287	239	172	102	45	37	105	29	21	\$3021
Webster	12264	500	764	1034	1350	1573	1845	1445	1121	801	444	900	337	150	\$5494
Winnebago	3465	279	382	394	527	489	404	303	168	115	102	186	72	44	\$4308
Winneshiek	5193	546	691	708	711	761	606	347	229	170	104	224	69	27	\$3916
Woodbury	27406	1208	1791	2379	2707	3426	4068	3344	2379	1562	1160	2270	747	365	\$5539
Worth	2750	159	306	429	413	410	285	225	126	105	106	120	54	12	\$4166
Wright	5189	328	409	673	588	838	644	417	350	248	150	378	129	37	\$4712
State of Iowa	711716	47832	60660	71587	79763	89664	91773	73971	54543	38918	26937	53104	16562	6402	\$5069

Table 5. Family Income in Iowa Counties, 1949.

County	Total Families	Less than \$1,000	\$1,000-\$1,999	\$2,000-\$2,999	\$3,000-\$3,999	\$4,000-\$4,999	\$5,000-\$5,999	\$6,000-\$6,999	\$7,000-\$9,999	\$10,000 or More	Not Reported	Median Income
Adair	3280	425	740	730	530	275	155	60	70	55	240	\$2467
Adams	2235	400	445	480	400	180	75	60	40	25	130	\$2392
Allamakee	4110	680	1115	960	510	280	165	70	60	45	225	\$2137
Appanoose	5455	1555	1315	1050	795	275	110	50	70	55	180	\$1795
Audubon	2960	410	605	740	510	285	140	70	70	40	90	\$2573
Benton	5905	725	1090	1240	1050	655	340	195	235	150	225	\$2821
Black Hawk	26485	1620	2225	4255	6495	4820	2805	1465	1300	670	830	\$3714
Boone	7505	845	950	1585	1545	935	510	245	270	190	430	\$3089
Bremer	5040	765	890	1060	990	480	230	155	135	65	270	\$2705
Buchanan	5140	920	965	1050	875	535	235	105	205	75	175	\$2446
Buena Vista	5710	490	730	1170	1125	865	480	270	270	165	145	\$3277
Butler	4550	630	895	1115	775	420	200	115	170	85	145	\$2525
Calhoun	4330	455	675	900	855	440	265	170	205	110	255	\$3007
Carroll	5855	615	835	1265	1175	600	355	245	270	270	225	\$3068
Cass	5050	575	1025	1235	890	465	220	125	205	130	180	\$2626
Cedar	4580	585	720	880	830	530	355	180	215	145	140	\$3033
Cerro Gordo	12125	970	1325	2380	2685	1810	1010	580	545	340	480	\$3379
Cherokee	4685	425	700	860	1020	585	335	210	265	170	115	\$3286
Chickasaw	4010	540	730	920	780	385	190	110	105	65	185	\$2636
Clarke	2795	405	680	745	420	195	90	45	30	85	100	\$2360
Clay	4750	520	660	965	895	550	365	200	220	200	175	\$3144
Clayton	6050	970	1250	1430	975	515	285	140	165	110	210	\$2424
Clinton	13015	1340	1445	2285	3080	1770	975	540	620	410	550	\$3323
Crawford	4985	695	905	1085	750	440	215	205	275	200	215	\$2647
Dallas	6515	690	1155	1420	1315	695	420	230	260	230	100	\$2952
Davis	2820	685	655	555	385	175	110	85	50	30	90	\$2038
Decatur	3330	785	935	695	385	235	115	50	40	30	60	\$1908
Delaware	4705	630	965	1020	795	390	230	150	240	110	175	\$2670
Des Moines	11720	960	1325	2420	2790	1650	905	460	450	320	440	\$3297
Dickinson	3505	385	730	760	645	305	150	155	145	155	75	\$2768
Dubuque	16790	1490	1580	2780	3935	2575	1595	720	945	485	685	\$3513
Emmet	4005	375	525	825	835	465	335	140	155	145	205	\$3197
Fayette	7530	1050	1440	1645	1410	730	395	235	210	130	285	\$2678

Table 5. Family Income in Iowa Counties, 1949 (continued).

County	Total Families	Less than \$1,000	\$1,000- \$1,999	\$2,000- \$2,999	\$3,000- \$3,999	\$4,000- \$4,999	\$5,000- \$5,999	\$6,000- \$6,999	\$7,000- \$9,999	\$10,000 or More	Not Reported	Median Income
Floyd	5990	605	860	1405	1210	730	460	215	185	135	185	\$3023
Franklin	4325	345	635	980	745	535	295	180	260	165	185	\$3128
Fremont	3270	530	800	720	465	265	150	75	75	55	135	\$2317
Greene	3975	490	705	900	610	435	240	130	145	115	205	\$2750
Grundy	3660	360	475	915	775	445	225	150	175	75	65	\$3050
Guthrie	3945	750	900	945	525	285	130	95	45	55	215	\$2165
Hamilton	5325	440	930	1280	1080	495	305	220	265	165	145	\$2942
Hancock	3705	320	500	780	575	455	310	180	270	190	125	\$3302
Hardin	6395	655	960	1425	1320	660	375	210	350	135	305	\$3003
Harrison	5115	765	1155	1120	750	410	225	160	210	100	220	\$2397
Henry	4800	525	865	1205	935	445	265	155	160	55	190	\$2746
Howard	3330	660	720	645	470	265	150	95	125	45	155	\$2277
Humboldt	3295	355	465	620	610	405	220	175	160	145	140	\$3170
Ida	2925	380	440	570	450	330	235	135	190	105	90	\$3051
Iowa	4420	575	800	900	700	390	260	190	260	90	255	\$2744
Jackson	4620	705	930	975	785	445	230	130	180	75	165	\$2602
Jasper	8890	1080	1300	1880	1765	1200	605	250	300	280	230	\$3035
Jefferson	4315	660	955	1115	690	370	200	120	60	45	100	\$2411
Johnson	11110	1055	1485	2655	2055	1275	785	405	500	345	550	\$3034
Jones	4915	675	825	1225	905	470	260	180	180	115	80	\$2721
Keokuk	4505	945	1005	1080	645	355	145	105	125	55	45	\$2241
Kossuth	6695	605	930	1495	1285	790	455	260	390	280	205	\$3129
Lee	10965	1205	1265	2315	2580	1280	830	405	325	220	540	\$3144
Linn	28570	2300	2955	5290	6795	4500	2550	1320	1295	970	595	\$3433
Louisa	2855	470	570	670	490	220	130	65	85	110	45	\$2487
Lucas	3280	710	755	735	440	260	150	55	50	45	80	\$2155
Lyon	3805	520	490	845	690	395	245	130	170	195	125	\$2978
Madison	3440	580	725	820	525	240	130	130	120	75	95	\$2400
Mahaska	6530	1005	1285	1500	1065	625	305	150	235	160	200	\$2578
Marion	6435	945	1220	1560	1070	535	295	125	140	140	405	\$2536
Marshall	9630	890	1205	1965	2100	1220	745	395	370	265	475	\$3215
Mills	3110	480	535	840	520	295	125	50	65	50	150	\$2465
Mitchell	3485	505	640	795	610	370	185	130	135	40	75	\$2713

Table 5. Family Income in Iowa Counties, 1949 (continued).

County	Total Families	Less than \$1,000	\$1,000-\$1,999	\$2,000-\$2,999	\$3,000-\$3,999	\$4,000-\$4,999	\$5,000-\$5,999	\$6,000-\$6,999	\$7,000-\$9,999	\$10,000 or More	Not Reported	Median Income
Monona	4230	585	880	950	665	440	210	145	135	115	105	\$2604
Monroe	3185	660	770	745	510	210	55	75	45	25	90	\$2148
Montgomery	4470	610	820	1100	740	455	180	125	150	85	205	\$2632
Muscatine	8395	1015	1240	1990	1725	960	435	235	320	185	290	\$2913
O'Brien	5175	565	795	1060	1050	535	380	190	240	170	190	\$3054
Osceola	2555	190	355	550	495	310	225	115	180	105	30	\$3290
Page	6170	815	1190	1410	1055	625	310	135	190	120	320	\$2529
Palo Alto	3975	530	790	790	665	405	150	105	215	80	245	\$2629
Plymouth	5465	495	895	1100	940	575	455	230	290	200	285	\$3090
Pocahontas	3790	405	560	745	745	365	230	130	205	170	235	\$3078
Polk	61640	4450	5700	11050	13015	10020	6305	3250	3560	2270	2020	\$3651
Pottawattamie	18485	2060	2295	3480	4015	2700	1430	675	720	390	720	\$3229
Poweshiek	4865	830	800	1040	885	450	280	205	185	100	90	\$2700
Ringgold	2640	595	720	520	305	160	130	60	65	40	45	\$1974
Sac	4600	395	695	1025	880	580	400	170	220	160	75	\$3141
Scott	26220	1870	2130	4185	6550	4110	2595	1265	1485	855	1175	\$3631
Shelby	3795	645	595	800	630	340	220	105	145	95	220	\$2645
Sioux	6155	690	1045	1365	1110	710	365	250	270	195	155	\$2924
Story	10845	835	1605	2405	2425	1295	845	470	445	295	225	\$3157
Tama	5545	750	860	1095	1000	560	330	170	255	160	365	\$2889
Taylor	3585	620	985	805	490	240	130	80	70	55	110	\$2151
Union	3990	645	795	825	665	410	270	135	105	55	85	\$2541
Van Buren	3075	745	655	670	460	160	70	50	65	20	180	\$2055
Wapello	13130	1565	1410	3075	2980	1640	1025	440	355	220	420	\$3084
Warren	4495	645	825	1020	800	460	235	145	130	70	165	\$2578
Washington	5025	550	890	1145	920	510	340	165	235	145	125	\$2866
Wayne	3420	845	1050	775	370	150	80	25	50	15	60	\$1781
Webster	11065	1130	1305	2100	2460	1610	780	460	455	325	440	\$3277
Winnebago	3370	370	535	840	620	360	230	75	165	95	80	\$2853
Winneshiek	5400	1035	1115	1140	855	375	230	135	155	155	205	\$2373
Woodbury	27035	2270	2930	5165	6175	3900	2230	1195	1295	1030	845	\$3377
Worth	2625	320	400	550	495	315	145	130	155	60	55	\$3025
Wright	5215	560	840	1070	895	635	410	215	200	165	225	\$3025
State of Iowa	686785	77990	100985	141260	136275	83475	48280	25960	28865	18810	24885	\$3068

Table 6. Household Income in Iowa Counties, 1989.

County	Total Households	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$29,999	\$30,000-\$34,999	\$35,000-\$39,999	\$40,000-\$44,999	\$45,000-\$49,999	\$50,000-\$74,999	\$75,000-\$99,999	\$100,000 or More	Median Income
Adair	3418	230	474	424	447	407	322	309	218	187	133	186	41	40	\$21426
Adams	2020	145	336	278	217	264	201	194	141	83	30	87	14	30	\$20570
Allamakee	5291	492	665	694	675	553	463	396	346	269	160	403	86	89	\$21098
Appanoose	5663	580	971	876	740	447	516	302	305	218	176	404	72	56	\$17833
Audubon	2949	173	401	403	393	357	261	287	185	115	68	201	59	46	\$21501
Benton	8541	494	955	887	834	964	748	780	642	605	416	916	220	80	\$25959
Black Hawk	47162	3078	5802	5026	4678	4425	3725	3675	3061	2728	2392	6311	1322	939	\$25683
Boone	9812	394	1157	1093	950	1102	964	865	731	678	509	1042	179	148	\$26110
Bremer	8413	389	896	930	904	692	869	777	598	579	438	1006	218	117	\$27326
Buchanan	7564	486	990	914	804	843	641	596	523	473	284	751	156	103	\$23386
Buena Vista	7530	372	744	794	903	881	934	711	560	472	302	543	182	132	\$25311
Butler	6047	344	699	769	738	686	632	532	430	341	191	503	107	75	\$23292
Calhoun	4667	295	650	529	521	593	549	371	255	208	202	329	88	77	\$22496
Carroll	8021	418	1024	935	852	898	850	770	521	492	329	633	153	146	\$24391
Cass	6172	395	769	778	796	785	603	464	377	356	174	510	80	85	\$21801
Cedar	6769	331	607	733	597	722	700	690	554	483	343	743	159	107	\$27713
Cerro Gordo	19044	941	2257	1936	2340	2004	1781	1774	1475	1147	736	1975	368	310	\$25116
Cherokee	5589	308	796	610	693	642	607	539	309	245	213	461	88	78	\$22967
Chickasaw	5038	291	555	519	671	516	589	517	346	270	210	397	110	47	\$24656
Clarke	3347	192	411	482	424	375	321	277	145	143	149	306	58	64	\$21735
Clay	7009	395	787	866	793	659	739	671	516	487	236	599	109	152	\$25028
Clayton	7206	472	1102	780	965	959	585	574	490	350	294	441	115	79	\$21406
Clinton	19869	1165	2103	2259	1964	2300	1686	1671	1454	1414	986	2262	407	198	\$25410
Crawford	6397	462	756	807	706	920	695	564	412	257	166	507	105	40	\$22209
Dallas	11182	402	1079	1115	1035	1172	1010	893	890	854	524	1520	445	243	\$28874
Davis	3135	228	409	453	473	376	312	266	127	145	100	204	31	11	\$20054
Decatur	3228	335	604	428	413	360	213	256	155	167	60	178	42	17	\$18105
Delaware	6360	511	606	633	644	658	768	512	536	374	229	603	121	165	\$25757
Des Moines	16933	804	2016	1786	1636	1738	1534	1582	1299	1120	742	2046	408	222	\$26536
Dickinson	6161	258	710	622	710	749	617	595	424	332	270	476	181	217	\$25211
Dubuque	30689	1439	2871	3042	3232	2801	2925	2872	2195	2107	1675	3904	878	748	\$28276
Emmet	4477	320	530	583	504	580	497	381	233	209	137	371	84	48	\$22790
Fayette	8499	591	1251	1128	1059	862	902	613	564	460	275	558	109	127	\$21109

Table 6. Household Income in Iowa Counties, 1989 (continued).

County	Total Households	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$29,999	\$30,000-\$34,999	\$35,000-\$39,999	\$40,000-\$44,999	\$45,000-\$49,999	\$50,000-\$74,999	\$75,000-\$99,999	\$100,000 or More	Median Income
Floyd	6713	500	935	684	713	763	727	594	472	319	303	484	106	113	\$23344
Franklin	4581	301	602	537	393	600	544	410	297	183	160	378	116	60	\$23741
Fremont	3202	241	379	401	355	358	328	299	288	158	107	210	40	38	\$22948
Greene	4226	242	573	469	520	566	413	434	264	221	128	271	83	42	\$22320
Grundy	4790	218	522	471	537	513	464	528	363	320	180	486	117	71	\$26314
Guthrie	4454	263	588	493	514	561	516	353	242	278	169	318	106	53	\$23356
Hamilton	6407	348	606	713	753	670	633	617	628	476	187	580	118	78	\$25847
Hancock	4844	215	515	462	622	550	610	535	376	300	180	356	57	66	\$25445
Hardin	7602	480	816	949	880	950	811	692	498	355	263	685	118	105	\$23457
Harrison	5630	384	815	686	557	680	541	521	364	249	219	442	118	54	\$22258
Henry	7092	371	772	782	800	829	667	649	502	558	282	670	93	117	\$24952
Howard	3805	353	425	496	412	513	461	294	258	192	105	203	29	64	\$21913
Humboldt	4360	202	356	612	549	500	508	444	280	255	137	329	98	90	\$24557
Ida	3230	211	422	373	373	397	327	261	194	159	116	285	50	62	\$22859
Iowa	5703	295	570	549	570	678	621	537	498	379	273	526	117	90	\$26579
Jackson	7535	634	994	836	832	830	706	697	388	424	298	690	137	69	\$22487
Jasper	13667	549	1121	1416	1454	1226	1390	1361	1031	1063	739	1750	350	217	\$28702
Jefferson	6277	461	879	661	810	556	613	494	477	381	270	467	85	123	\$22630
Johnson	36118	2288	3665	3681	3199	3360	2972	2735	2273	1949	1597	5151	1581	1667	\$27862
Jones	6847	393	735	731	853	791	725	638	505	394	263	580	153	86	\$24480
Keokuk	4592	284	599	520	608	539	437	478	335	218	145	316	70	43	\$22234
Kossuth	7256	428	783	915	818	958	820	750	425	398	279	442	131	109	\$23321
Lee	14942	1011	1868	1634	1456	1599	1400	1146	984	978	801	1587	273	205	\$24671
Linn	65242	2750	5194	5227	5531	5722	5517	5952	5219	4899	4214	10703	2453	1861	\$32137
Louisa	4336	247	440	514	456	448	456	407	333	270	208	428	74	55	\$25590
Lucas	3755	305	542	492	409	378	331	317	240	212	128	329	20	52	\$21316
Lyon	4330	249	473	609	520	512	558	384	295	177	103	328	78	44	\$22676
Madison	4792	220	525	542	492	421	528	499	316	364	234	480	115	56	\$26644
Mahaska	8342	524	1088	977	935	932	902	748	566	445	279	697	134	115	\$23115
Marion	10811	575	987	924	1071	1066	1235	1226	793	656	644	1167	249	218	\$27991
Marshall	14933	581	1413	1509	1414	1616	1409	1257	1193	1010	816	1982	481	252	\$28333
Mills	4693	189	446	484	521	511	403	406	416	340	273	542	117	45	\$27420
Mitchell	4242	234	520	481	427	505	481	399	352	228	190	329	68	28	\$24519

Table 6. Household Income in Iowa Counties, 1989 (continued).

County	Total Households	Less than \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000- \$24,999	\$25,000- \$29,999	\$30,000- \$34,999	\$35,000- \$39,999	\$40,000- \$44,999	\$45,000- \$49,999	\$50,000- \$74,999	\$75,000- \$99,999	\$100,000 or More	Median Income
Monona	4123	308	647	538	498	527	430	300	206	204	141	170	65	89	\$20714
Monroe	3180	246	445	458	385	391	315	236	141	137	93	245	52	36	\$20745
Montgomery	4979	290	584	679	537	573	530	430	395	291	166	342	94	68	\$23312
Muscatine	14734	781	1347	1333	1276	1393	1294	1430	1306	1095	748	2060	402	269	\$29786
O'Brien	5990	288	801	669	714	781	576	535	517	275	244	414	115	61	\$23125
Osceola	2836	135	317	420	306	379	215	262	162	200	100	216	73	51	\$23037
Page	6720	485	977	794	653	856	635	533	388	361	266	596	86	90	\$22050
Palo Alto	4226	272	533	602	594	499	416	347	252	201	99	288	68	55	\$21223
Plymouth	8407	452	833	837	857	843	979	739	702	505	422	913	158	167	\$26796
Pocahontas	3866	212	456	487	436	479	416	318	285	229	153	261	86	48	\$23517
Polk	129318	5554	9867	11049	11073	12317	11541	11597	9925	8729	7408	19782	5854	4622	\$31221
Pottawattamie	31262	1625	3193	2853	3398	3434	3248	3208	2344	1895	1451	3390	753	470	\$26639
Poweshiek	7133	385	723	753	768	747	774	671	570	395	359	671	168	149	\$26063
Ringgold	2235	194	341	334	198	317	251	144	153	100	55	104	16	28	\$20761
Sac	4936	304	584	639	709	584	545	418	254	250	159	352	70	68	\$21818
Scott	57329	3415	5063	5107	5600	4762	4736	4730	4158	3698	3135	9129	2351	1445	\$29979
Shelby	4999	303	479	631	720	679	514	403	305	258	145	382	71	109	\$22702
Sioux	9993	480	814	1147	1137	1249	1111	1069	806	560	382	888	122	228	\$25692
Story	26015	1753	2696	2762	2626	2352	2232	2084	1821	1419	1304	3313	1008	645	\$26668
Tama	6773	394	765	748	781	798	748	601	538	346	218	585	151	100	\$24297
Taylor	2866	294	506	340	380	393	221	202	194	87	84	146	12	7	\$18641
Union	5156	400	785	605	548	609	595	404	224	250	221	410	64	41	\$21550
Van Buren	3047	237	458	425	467	345	305	235	169	108	86	169	23	20	\$19244
Wapello	14499	1118	2089	1874	1809	1504	1220	1125	842	765	510	1184	250	209	\$21060
Warren	12782	499	903	1036	1063	1085	1135	1219	1092	1125	878	2191	302	254	\$32452
Washington	7382	327	664	814	812	931	860	648	562	570	320	647	136	91	\$25822
Wayne	2952	298	527	427	418	301	278	177	120	109	64	168	55	10	\$17599
Webster	15884	906	1959	1851	1935	1731	1656	1384	1058	990	672	1268	300	174	\$23692
Winnebago	4720	300	563	538	552	587	488	410	343	321	166	339	46	67	\$23480
Winneshiek	7232	623	728	789	850	707	811	614	416	477	248	660	192	117	\$24383
Woodbury	36979	2209	4307	4037	4128	3671	3322	3207	2701	2169	1651	3781	840	956	\$25186
Worth	3254	185	415	333	433	407	289	313	271	148	101	238	71	50	\$22902
Wright	5885	273	757	710	608	660	589	578	465	352	213	470	110	100	\$24582
State of Iowa	1065243	59821	113277	111561	110934	110279	101088	93909	76367	65795	49701	121339	28894	22278	\$26229

Table 7. Household Income in Iowa Counties, 1979.

County	Total Households	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 or More	Median Income
Adair	3603	635	773	718	517	343	337	196	84	\$12527
Adams	2208	381	447	439	337	292	222	53	37	\$12844
Allamakee	5198	805	1226	880	904	558	532	208	85	\$13098
Appanoose	6009	1199	1482	1055	805	640	586	160	82	\$11352
Audubon	3219	405	684	705	547	305	313	138	122	\$13722
Benton	8532	1115	1406	1219	1339	1247	1315	628	263	\$16742
Black Hawk	48194	4898	6500	6365	7048	7241	9310	4739	2093	\$19494
Boone	9770	1183	1624	1658	1407	1351	1587	659	301	\$16471
Bremer	8428	930	1310	1193	1279	1320	1424	644	328	\$18102
Buchanan	7688	996	1373	1237	1046	1133	1167	483	253	\$16066
Buena Vista	7661	953	1238	1358	1108	1067	1034	546	357	\$16222
Butler	6315	911	1061	1039	1047	917	835	297	208	\$15698
Calhoun	5091	712	976	851	865	519	663	311	194	\$15036
Carroll	7897	877	1301	1457	1314	1029	1085	491	343	\$16109
Cass	6588	1033	1177	1283	1002	763	833	311	186	\$14136
Cedar	6737	850	1018	1054	963	1031	1022	531	268	\$17292
Cerro Gordo	18698	2250	3356	2903	2873	2705	2748	1182	681	\$16443
Cherokee	6009	801	999	1101	874	760	757	418	299	\$15609
Chickasaw	5381	788	895	904	885	768	688	326	127	\$15541
Clarke	3378	641	758	622	494	393	239	170	61	\$12158
Clay	7378	906	1117	1381	1094	905	1111	479	385	\$16222
Clayton	7487	1253	1523	1341	1173	808	829	338	222	\$13356
Clinton	20308	2061	2971	2822	3301	3018	3952	1634	549	\$18516
Crawford	6724	1027	1053	1143	981	875	1064	366	215	\$15633
Dallas	10708	1059	1523	1622	1611	1539	2086	861	407	\$18661
Davis	3286	682	667	479	553	314	327	145	119	\$13015
Decatur	3503	767	826	600	535	310	309	133	23	\$11074
Delaware	6193	907	978	1005	1031	808	891	368	205	\$15991
Des Moines	17281	2094	2541	2766	2475	2498	2999	1408	500	\$17252
Dickinson	6035	661	1038	1117	1056	759	792	364	248	\$16032
Dubuque	30020	3233	4206	3980	4106	4549	5924	2669	1353	\$19396
Emmet	4819	656	750	806	701	756	698	267	185	\$16338
Fayette	9122	1365	1620	1626	1433	1071	1241	458	308	\$14815

Table 7. Household Income in Iowa Counties, 1979 (continued).

County	Total Households	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 or More	Median Income
Floyd	7119	974	1202	1139	1236	876	1072	396	224	\$16031
Franklin	4991	722	825	890	841	671	640	264	138	\$15365
Fremont	3630	640	671	699	549	387	411	165	108	\$13201
Greene	4741	719	931	803	725	562	623	205	173	\$14464
Grundy	5166	515	760	774	818	781	844	440	234	\$18006
Guthrie	4560	855	845	816	676	508	515	250	95	\$13352
Hamilton	6599	764	1030	1154	1120	902	888	436	305	\$16304
Hancock	5010	598	769	950	799	802	632	291	169	\$15967
Hardin	8114	1128	1385	1383	1321	1125	1015	493	264	\$15541
Harrison	5886	1119	992	1061	860	690	702	323	139	\$13895
Henry	6840	882	1073	1302	1164	912	894	435	178	\$15662
Howard	4009	667	798	661	635	389	521	170	168	\$13795
Humboldt	4671	544	781	879	726	633	586	378	144	\$15843
Ida	3378	549	629	667	476	399	405	141	112	\$13632
Iowa	5571	618	866	855	929	903	818	385	197	\$17063
Jackson	7625	1125	1248	1123	1146	1232	1081	373	297	\$16308
Jasper	13570	1469	2226	2066	2436	1903	2225	853	392	\$16986
Jefferson	5682	918	1040	1058	955	595	641	337	138	\$14162
Johnson	30157	4069	4908	5029	4153	3524	4367	2513	1594	\$16253
Jones	6949	924	1206	1043	1089	931	1204	387	165	\$16297
Keokuk	4877	862	844	991	804	471	529	224	152	\$13501
Kossuth	7794	1130	1215	1459	1187	1057	988	451	307	\$15373
Lee	15506	1911	2509	2463	2442	1973	2500	1185	523	\$16590
Linn	61720	5623	7339	8614	9112	9451	13065	5991	2525	\$20084
Louisa	4227	519	687	639	744	602	638	279	119	\$16674
Lucas	4082	791	891	709	590	398	489	126	88	\$12073
Lyon	4479	696	841	734	757	560	455	237	199	\$14776
Madison	4520	740	780	650	747	611	582	314	96	\$15591
Mahaska	8621	1363	1596	1579	1489	1015	987	364	228	\$14245
Marion	10285	1192	1716	1626	1845	1391	1547	760	208	\$16549
Marshall	15443	1598	2477	2282	2453	2295	2705	1153	480	\$17856
Mills	4554	511	708	846	803	633	664	214	175	\$16417
Mitchell	4462	671	795	847	590	473	541	333	212	\$14450

Table 7. Household Income in Iowa Counties, 1979 (continued).

County	Total Households	Less than \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 or More	Median Income
Monona	4504	827	840	830	805	429	421	226	126	\$13438
Monroe	3537	583	748	680	555	371	427	119	54	\$13190
Montgomery	5302	744	933	1001	805	718	740	294	67	\$14830
Muscatine	14251	1745	2026	1981	2110	2005	2392	1376	616	\$18233
O'Brien	6262	929	1105	1151	998	776	660	391	252	\$14718
Osceola	3059	443	482	585	471	372	390	223	93	\$15215
Page	7310	1174	1402	1461	1174	804	808	335	152	\$13805
Palo Alto	4582	644	854	858	710	548	520	293	155	\$14590
Plymouth	8446	1104	1367	1508	1366	1096	1045	551	409	\$15889
Pocahontas	4227	622	669	889	617	513	484	247	186	\$14611
Polk	114980	11261	16312	16677	16837	16335	20794	11356	5408	\$18849
Pottawattamie	30624	3631	4965	4756	4790	4220	5110	2301	851	\$16930
Poweshiek	6856	928	1180	1152	1199	875	987	369	166	\$15566
Ringgold	2388	609	584	397	285	209	175	73	56	\$10011
Sac	5310	715	837	1147	864	703	573	280	191	\$14781
Scott	56823	5054	7066	7138	7783	8330	11835	6941	2676	\$20767
Shelby	5193	666	843	1045	884	658	608	276	213	\$15214
Sioux	9936	1201	1443	1834	1977	1316	1226	592	347	\$16163
Story	23657	2748	3902	3698	3374	3063	4005	1961	906	\$17006
Tama	7063	1044	1121	1261	1107	967	1047	368	148	\$15448
Taylor	3253	685	727	663	400	309	281	122	66	\$11747
Union	5313	957	956	1044	737	674	596	267	82	\$13661
Van Buren	3175	694	709	554	474	320	249	134	41	\$11569
Wapello	15371	2203	2941	2585	2289	1949	2164	816	424	\$14915
Warren	11563	967	1625	1461	1697	1890	2491	1141	291	\$20087
Washington	7231	973	1300	1334	1033	890	974	449	278	\$15043
Wayne	3335	753	780	676	455	332	171	115	53	\$10828
Webster	16903	2077	2916	2671	2541	2210	2619	1246	623	\$16369
Winnebago	4884	561	905	1000	818	656	619	175	150	\$14873
Winneshiek	7059	1032	1508	1312	907	910	770	403	217	\$13718
Woodbury	36749	5061	6522	5541	5683	4728	5480	2361	1373	\$16054
Worth	3473	363	634	666	600	437	450	233	90	\$15617
Wright	6182	849	987	1115	988	668	912	396	267	\$15633
State of Iowa	1053107	130287	168189	167191	160254	142528	166717	79277	38664	\$16799

Eighteen counties had medians above the state figure in 1989, with six reporting that half of their families had incomes of at least \$35,000 (Johnson, Linn, Polk, Scott, Story, Warren). Of those below the state's median family income of \$31,659, eight were under \$25,000 (Adams, Appanoose, Davis, Decatur, Monona, Taylor, Van Buren, Wayne) (Figure 2). Median family income ranged from \$22,175 in Wayne to \$39,606 in Johnson in 1989. Ten years earlier, median family income varied from \$12,391 in Ringgold to \$23,812 in Scott. Twenty counties had medians above the state's \$20,052, while 79 were below that level in 1979.

Between 1979 and 1989, median family income increased by \$11,607 or 57.9% in Iowa. Twenty-seven counties reported dollar increases above that of the state; 10 had gains exceeding \$13,000. Four (Johnson, Linn, Polk, Warren) topped \$14,000; thus, not only did these four have relatively high median incomes in 1989, they also had great increases over the previous decade. When percentage changes are examined, 52 counties were above the 57.9% gain posted by the state. Ringgold more than doubled its 1979 median family income by 1989; others increasing by at least 75% included Adair, Clarke, Jefferson, Johnson, and Lucas. The relatively large percentage increases in Adair, Clarke, Jefferson, Lucas, and Ringgold were not sufficient to bring their medians to the statewide average of \$31,659, however.

Changes in specific income categories can be examined by comparing data in Table 1 through Table 5. Caution in making such comparisons is urged because the categories have changed substantially over the last five censuses and inflation hasn't been taken into account in these tables.

Household Income

Income of households includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Because many households consist of only one person, average household income is usually less than average family income.

Nearly half (47%) of all households in Iowa had incomes less than \$25,000 in 1989 (Table 6). Another 36% were in the \$25,000-\$49,999 category, while 16% reported incomes of at least \$50,000 that year. Counties ranged from 35.9% (Warren) to 66.8% (Taylor, Wayne) on the percentage under \$25,000; at least 6 of every 10 households had less than \$25,000 in 10 counties. Proportionately more residents of 12 counties had incomes above \$50,000 than the state's 16%; in Johnson, Linn, Polk, Scott, and Warren, at least 20% of the households had incomes of \$50,000 or more.

Median household income was \$26,229 in 1989 (Table 6), a gain of \$9,430 from the 1979 figure of \$16,799 (Table 7). Twenty-one counties had medians above that of the state in 1989, with three (Linn, Polk, Warren) above \$30,000. Of the 78 below the state median, five (Appanoose, Decatur, Taylor, Van Buren, Wayne) were under \$20,000.

Iowa had an increase of 56% in its median household income from 1979 to 1989. Ten (Adair, Clarke, Fremont, Guthrie, Johnson, Lucas, Madison, Ringgold, Washington, Winneshiek) counties noted increases of at least 70%. Only four (Black Hawk, Clinton, Emmet, Jackson) reported gains in median household income of less than 40% between 1979 and 1989.

Figure 1. Median family income in Iowa, 1949-1989.

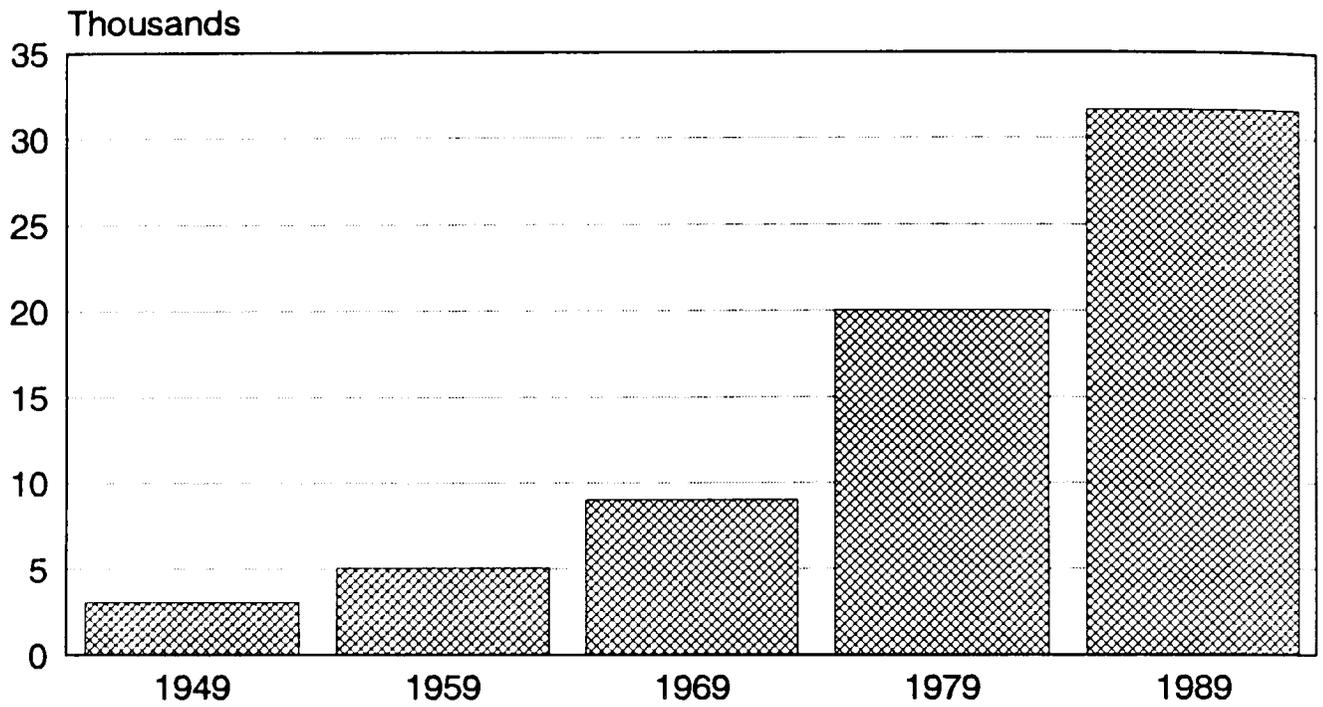
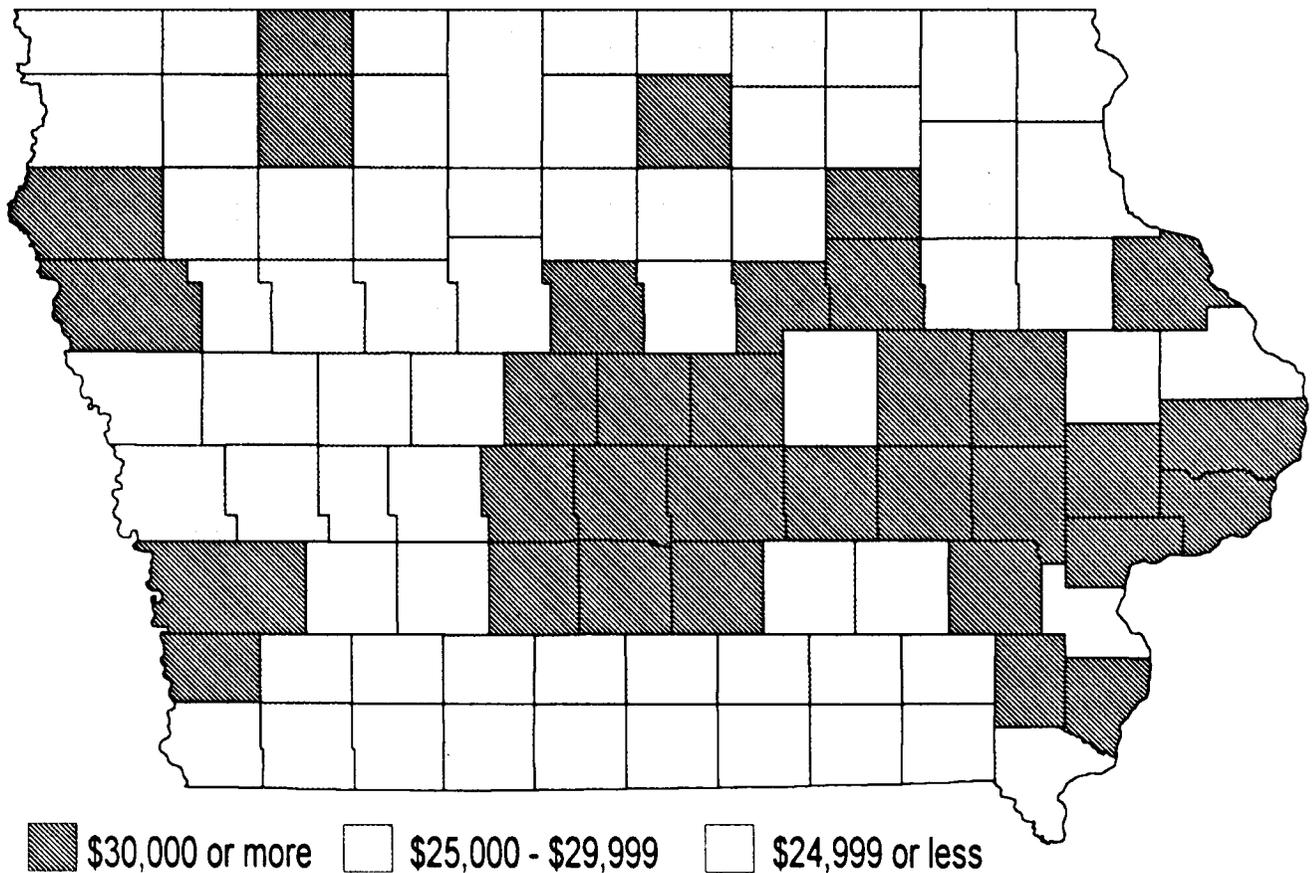


Figure 2. Median family income, 1989.



Poverty in Iowa's Counties: 1969-1989

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Information on poverty has been provided by the U.S. Bureau of the Census in each decennial census beginning with 1970. Poverty status is determined by comparing a person's or family's income for the calendar year before the census is taken to national poverty thresholds. An individual or family with income below the threshold is classified as below the poverty level. Everyone in a particular family is given the same poverty status.

Poverty status is determined for all persons except those institutionalized, in military group quarters, in college dormitories, and unrelated individuals under 15 years old. The income cutoffs used to determine poverty status include 48 thresholds; for families, size (2 persons to 9 or more) is cross-classified by presence and number of family members under 18 years old. Unrelated individuals and two-person families are further differentiated by age of the householder (under 65 years old and 65 years old and over). For a one-person unit, the poverty threshold averaged \$6,310 in 1989; it averaged \$8,076 for a two-person unit, \$9,885 for a three-person unit, and \$12,674 for a four-person unit. For a unit of nine or more persons, the average poverty threshold was \$25,480 in 1989. For comparative purposes, the poverty thresholds for one-person units were \$3,686 in 1979 and \$1,834 in 1969; they were \$7,412 and \$3,721 for four-person units in 1979 and 1969, respectively. Some caution is urged in comparing data across the censuses; for example, 1969 poverty thresholds were lower for people living on farms, because it was assumed that they grew some of their own food. That distinction was dropped in later censuses.

Data on poverty were determined by examining questions on money income that were 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 sample 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.

Persons

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

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

Iowa had about 11,000 fewer persons below the poverty level in 1989 than in 1969. Seventy-seven counties followed the state trend with fewer persons in poverty in the later year. For eight counties, declines over the 20 years were at least 1,000 (Allamakee, Cerro Gordo, Delaware, Jasper, Kossuth,

Table 1. Persons in Poverty in Iowa Counties, 1969, 1979, and 1989.

County	1989			1979			1969		
	Total*	In Poverty	% in Poverty	Total*	In Poverty	% in Poverty	Total*	In Poverty	% in Poverty
Adair	8221	1103	13.4	9337	1578	16.9	9401	1288	13.7
Adams	4751	796	16.8	5639	812	14.4	6219	1163	18.7
Allamakee	13546	1794	13.2	14766	2141	14.5	14717	3120	21.2
Appanoose	13418	2735	20.4	15272	2642	17.3	14808	3080	20.8
Audubon	7105	859	12.1	8354	1086	13.0	9470	1591	16.8
Benton	21963	2502	11.4	23235	2672	11.5	22533	2366	10.5
Black Hawk	117195	17932	15.3	130430	12130	9.3	126812	12808	10.1
Boone	24029	2119	8.8	25044	2279	9.1	24942	2569	10.3
Bremer	21355	1962	9.2	23684	1800	7.6	21482	2406	11.2
Buchanan	20311	3395	16.7	22263	2627	11.8	21215	3458	16.3
Buena Vista	18683	1633	8.7	19631	1649	8.4	20000	2220	11.1
Butler	15420	1649	10.7	17268	1675	9.7	16758	2145	12.8
Calhoun	11053	1317	11.9	13135	1366	10.4	13947	1855	13.3
Carroll	21014	2220	10.6	22409	1972	8.8	22573	2957	13.1
Cass	14694	1693	11.5	16513	1932	11.7	16653	2065	12.4
Cedar	17116	1751	10.2	18349	1945	10.6	17343	1717	9.9
Cerro Gordo	45391	4050	8.9	46931	4083	8.7	48743	5313	10.9
Cherokee	13637	1528	11.2	15757	1686	10.7	16777	1728	10.3
Chickasaw	13102	1402	10.7	15184	1731	11.4	14794	2293	15.5
Clarke	8167	1122	13.7	8573	1406	16.4	7450	1259	16.9
Clay	17300	1722	10.0	19289	1871	9.7	18195	2056	11.3
Clayton	18705	2696	14.4	20662	2872	13.9	20337	3559	17.5
Clinton	50097	5411	10.8	56000	4312	7.7	56225	5004	8.9
Crawford	16428	2606	15.9	18610	2289	12.3	18706	2544	13.6
Dallas	29241	2222	7.6	28861	2078	7.2	25760	2576	10.0
Davis	8098	1440	17.8	8950	1969	22.0	8075	1397	17.3
Decatur	7607	1598	21.0	8774	1711	19.5	8771	2026	23.1
Delaware	17767	2272	12.8	18642	2498	13.4	18586	3680	19.8
Des Moines	41890	4748	11.3	45214	3798	8.4	46494	4138	8.9
Dickinson	14601	1338	9.2	15529	1320	8.5	12433	1666	13.4
Dubuque	83050	8528	10.3	90060	7475	8.3	87579	9371	10.7
Emmet	11097	1447	13.0	13039	1656	12.7	13662	1981	14.5
Fayette	21212	3020	14.2	24944	2694	10.8	26074	3885	14.9
Floyd	16530	2200	13.3	19033	1751	9.2	19361	2362	12.2
Franklin	11152	1259	11.3	12851	1555	12.1	13154	1710	13.0
Fremont	7996	972	12.2	9205	1528	16.6	9168	1421	15.5
Greene	9842	1203	12.2	11916	1561	13.1	12664	1773	14.0
Grundy	11821	980	8.3	14222	896	6.3	13987	1077	7.7
Guthrie	10641	1195	11.2	11658	1737	14.9	12051	1639	13.6
Hamilton	15780	1296	8.2	17638	1658	9.4	18243	2025	11.1
Hancock	12396	1099	8.9	13695	1123	8.2	13034	1525	11.7
Hardin	18154	1961	10.8	20810	2185	10.5	21437	2551	11.9
Harrison	14362	1975	13.8	16077	2508	15.6	16034	2325	14.5
Henry	17715	1784	10.1	17695	1451	8.2	17112	1677	9.8
Howard	9539	1321	13.8	10919	1616	14.8	11323	2174	19.2
Humboldt	10590	933	8.8	12083	1015	8.4	12392	1549	12.5
Ida	8146	945	11.6	8768	1245	14.2	8963	968	10.8
Iowa	14367	1176	8.2	15138	1211	8.0	15234	2087	13.7
Jackson	19639	2811	14.3	22141	2834	12.8	20667	3348	16.2
Jasper	33980	2367	7.0	35654	2888	8.1	34857	3416	9.8

*This refers to persons for whom poverty status was determined.

Table 1. Persons in Poverty in Iowa Counties, 1969, 1979, and 1989 (continued).

County	1989			1979			1969		
	Total*	In Poverty	% in Poverty	Total*	In Poverty	% in Poverty	Total*	In Poverty	% in Poverty
Jefferson	15266	2115	13.9	14756	1815	12.3	14943	1838	12.3
Johnson	87334	14899	17.1	76631	11418	14.9	65252	8548	13.1
Jones	17807	2043	11.5	19292	2045	10.6	18922	2422	12.8
Keokuk	11391	1490	13.1	12764	1621	12.7	13722	2470	18.0
Kossuth	18197	1997	11.0	21533	2584	12.0	22748	3162	13.9
Lee	37188	4783	12.9	41483	3692	8.9	41717	4422	10.6
Linn	164273	14186	8.6	166059	11292	6.8	161269	12579	7.8
Louisa	11386	1328	11.7	11867	1341	11.3	10524	1105	10.5
Lucas	8850	1156	13.1	10069	1601	15.9	9914	1854	18.7
Lyon	11752	1564	13.3	12714	1691	13.3	13204	1809	13.7
Madison	12170	1354	11.1	12304	1538	12.5	11403	1699	14.9
Mahaska	20829	2718	13.0	21976	2747	12.5	21288	3768	17.7
Marion	27580	2762	10.0	27500	2640	9.6	24096	3277	13.6
Marshall	36774	3188	8.7	40313	3225	8.0	40090	3568	8.9
Mills	12456	1270	10.2	12359	1137	9.2	10711	1039	9.7
Mitchell	10589	1092	10.3	12016	1538	12.8	12830	1809	14.1
Monona	9728	1436	14.8	11425	1748	15.3	11905	1750	14.7
Monroe	7911	1235	15.6	9080	1244	13.7	9161	1823	19.9
Montgomery	11730	1188	10.1	13160	1237	9.4	12538	1630	13.0
Muscatine	39277	3967	10.1	39659	3609	9.1	36565	3364	9.2
O'Brien	14989	1815	12.1	16683	1735	10.4	17108	2053	12.0
Osceola	7137	699	9.8	8273	910	11.0	8465	1346	15.9
Page	16116	2222	13.8	18387	2041	11.1	17781	2596	14.6
Palo Alto	10344	1582	15.3	12413	1502	12.1	13037	2099	16.1
Plymouth	22637	2045	9.0	24008	2833	11.8	23416	3208	13.7
Pocahontas	9290	969	10.4	11177	1386	12.4	12566	1533	12.2
Polk	319331	29364	9.2	296214	24882	8.4	281057	24733	8.8
Pottawattamie	81270	8524	10.5	85813	8238	9.6	86067	9037	10.5
Poweshiek	17685	1839	10.4	18009	2089	11.6	17772	2186	12.3
Ringgold	5275	906	17.2	5984	1478	24.7	6273	1217	19.4
Sac	12045	1419	11.8	13888	1486	10.7	15339	1764	11.5
Scott	148018	17914	12.1	156392	12355	7.9	139944	12455	8.9
Shelby	12852	1205	9.4	14635	1844	12.6	15254	1983	13.0
Sioux	27756	2240	8.1	28913	3007	10.4	26893	4007	14.9
Story	63539	10515	16.5	60270	7353	12.2	53235	6122	11.5
Tama	16947	1789	10.6	19080	2137	11.2	19715	2425	12.3
Taylor	6908	1265	18.3	8219	1463	17.8	8648	1894	21.9
Union	12489	1930	15.5	13560	1817	13.4	13331	2173	16.3
Van Buren	7585	1271	16.8	8515	1669	19.6	8521	1832	21.5
Wapello	35019	5344	15.3	39304	4009	10.2	41205	5439	13.2
Warren	34611	2174	6.3	33742	2227	6.6	26658	2106	7.9
Washington	18996	1797	9.5	19746	2567	13.0	18674	1718	9.2
Wayne	6927	1323	19.1	8080	1519	18.8	8327	1832	22.0
Webster	38897	4600	11.8	44340	4168	9.4	46991	5075	10.8
Winnebago	11498	1346	11.7	12247	894	7.3	12268	1006	8.2
Winneshiek	18745	2477	13.2	19852	2680	13.5	19814	2774	14.0
Woodbury	95884	12858	13.4	98184	11193	11.4	100372	12145	12.1
Worth	7835	777	9.9	8965	762	8.5	8903	1006	11.3
Wright	13931	1353	9.7	16010	1649	10.3	17043	1994	11.7
State of Iowa	2676958	307420	11.5	2833396	286173	10.1	2746595	318605	11.6

Table 2. Families and Families of Female Householders in Poverty in Iowa Counties, 1989.

County	Families			Families of Female Householders With No Husband Present			Families of Female Householders With Children Under 18 and No Husband Present		
	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty
Adair	2428	254	10.5	156	50	32.1	113	46	40.7
Adams	1411	199	14.1	87	45	51.7	63	38	60.3
Allamakee	3733	370	9.9	271	63	23.2	133	52	39.1
Appanoose	3872	638	16.5	447	260	58.2	354	248	70.1
Audubon	2123	191	9.0	128	45	35.2	80	43	53.8
Benton	6304	577	9.2	595	227	38.2	381	199	52.2
Black Hawk	32489	3790	11.7	4844	2225	45.9	3509	2004	57.1
Boone	6982	429	6.1	645	163	25.3	439	146	33.3
Bremer	6242	422	6.8	386	137	35.5	258	129	50.0
Buchanan	5658	714	12.6	582	242	41.6	431	222	51.5
Buena Vista	5262	362	6.9	335	139	41.5	253	132	52.2
Butler	4542	380	8.4	326	99	30.4	184	91	49.5
Calhoun	3159	251	7.9	194	77	39.7	124	59	47.6
Carroll	5719	464	8.1	466	103	22.1	246	93	37.8
Cass	4277	362	8.5	328	122	37.2	221	111	50.2
Cedar	5056	429	8.5	411	122	29.7	269	90	33.5
Cerro Gordo	12725	852	6.7	1485	478	32.2	941	442	47.0
Cherokee	3906	325	8.3	331	115	34.7	233	104	44.6
Chickasaw	3684	306	8.3	282	85	30.1	188	85	45.2
Clarke	2354	225	9.6	272	105	38.6	186	96	51.6
Clay	4842	356	7.4	431	175	40.6	314	167	53.2
Clayton	5235	590	11.3	338	98	29.0	187	89	47.6
Clinton	14322	1236	8.6	1801	674	37.4	1286	617	48.0
Crawford	4496	546	12.1	429	175	40.8	327	158	48.3
Dallas	8288	496	6.0	796	244	30.7	602	228	37.9
Davis	2399	320	13.3	184	71	38.6	124	62	50.0
Decatur	2184	349	16.0	160	67	41.9	114	65	57.0
Delaware	4838	488	10.1	315	128	40.6	215	120	55.8
Des Moines	11844	1083	9.1	1737	670	38.6	1225	632	51.6
Dickinson	4270	254	5.9	347	109	31.4	240	100	41.7
Dubuque	22096	1659	7.5	2459	748	30.4	1439	693	48.2
Emmet	3100	266	8.6	217	87	40.1	142	87	61.3
Fayette	6038	664	11.0	450	156	34.7	289	149	51.6
Floyd	4800	531	11.1	497	227	45.7	381	212	55.6
Franklin	3218	280	8.7	153	38	24.8	101	38	37.6
Fremont	2306	207	9.0	204	82	40.2	114	65	57.0
Greene	2918	266	9.1	263	118	44.9	168	115	68.5
Grundy	3551	220	6.2	219	69	31.5	146	67	45.9
Guthrie	3238	281	8.7	276	78	28.3	166	61	36.7
Hamilton	4714	259	5.5	400	107	26.8	271	97	35.8
Hancock	3530	244	6.9	238	63	26.5	147	60	40.8
Hardin	5312	409	7.7	374	117	31.3	258	113	43.8
Harrison	4093	467	11.4	358	145	40.5	221	127	57.5
Henry	5104	413	8.1	441	163	37.0	297	159	53.5
Howard	2646	296	11.2	190	77	40.5	115	63	54.8
Humboldt	3155	201	6.4	248	77	31.0	167	67	40.1
Ida	2330	187	8.0	162	54	33.3	103	42	40.8
Iowa	4124	246	6.0	322	56	17.4	182	54	29.7
Jackson	5515	677	12.3	579	228	39.4	371	206	55.5
Jasper	9965	519	5.2	918	190	20.7	624	184	29.5

Table 2. Families and Families of Female Householders in Poverty in Iowa Counties, 1989 (continued).

County	Families			Families of Female Householders With No Husband Present			Families of Female Householders With Children Under 18 and No Husband Present		
	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty
Jefferson	4271	444	10.4	392	121	30.9	282	121	42.9
Johnson	20478	1446	7.1	2239	499	22.3	1380	408	29.6
Jones	5071	435	8.6	488	135	27.7	294	122	41.5
Keokuk	3350	351	10.5	298	96	32.2	204	84	41.2
Kossuth	5185	435	8.4	352	83	23.6	205	77	37.6
Lee	10567	1166	11.0	1440	637	44.2	992	599	60.4
Linn	45165	2619	5.8	5289	1442	27.3	3611	1309	36.3
Louisa	3249	313	9.6	315	106	33.7	205	104	50.7
Lucas	2538	264	10.4	263	103	39.2	185	93	50.3
Lyon	3339	340	10.2	195	56	28.7	94	48	51.1
Madison	3564	342	9.6	294	141	48.0	195	124	63.6
Mahaska	6065	636	10.5	616	263	42.7	444	247	55.6
Marion	7951	620	7.8	690	277	40.1	486	243	50.0
Marshall	10624	678	6.4	1148	372	32.4	780	362	46.4
Mills	3513	265	7.5	406	95	23.4	284	91	32.0
Mitchell	3032	242	8.0	165	57	34.5	111	55	49.5
Monona	2878	307	10.7	300	112	37.3	168	108	64.3
Monroe	2248	296	13.2	248	123	49.6	131	97	74.0
Montgomery	3421	296	8.7	358	149	41.6	280	125	44.6
Muscatine	10975	961	8.8	1254	540	43.1	884	525	59.4
O'Brien	4289	349	8.1	215	91	42.3	150	87	58.0
Osceola	2039	145	7.1	114	51	44.7	80	49	61.3
Page	4601	446	9.7	445	182	40.9	272	177	65.1
Palo Alto	2853	334	11.7	216	97	44.9	132	90	68.2
Plymouth	6292	466	7.4	445	111	24.9	292	100	34.2
Pocahontas	2741	213	7.8	183	50	27.3	120	47	39.2
Polk	86394	5714	6.6	12755	3318	26.0	8491	3034	35.7
Pottawattamie	23038	1945	8.4	3494	1120	32.1	2491	1057	42.4
Poweshiek	5016	349	7.0	408	88	21.6	292	78	26.7
Ringgold	1575	181	11.5	98	39	39.8	60	28	46.7
Sac	3501	314	9.0	270	95	35.2	166	89	53.6
Scott	40501	3831	9.5	6113	2308	37.8	4536	2157	47.6
Shelby	3698	257	6.9	283	70	24.7	168	70	41.7
Sioux	7712	476	6.2	335	102	30.4	203	91	44.8
Story	16053	1232	7.7	1455	385	26.5	1063	368	34.6
Tama	4922	397	8.1	456	144	31.6	270	117	43.3
Taylor	2030	280	13.8	146	63	43.2	98	58	59.2
Union	3566	399	11.2	491	191	38.9	327	182	55.7
Van Buren	2211	259	11.7	140	45	32.1	89	41	46.1
Wapello	10180	1195	11.7	1247	538	43.1	810	475	58.6
Warren	10106	488	4.8	967	218	22.5	741	210	28.3
Washington	5228	327	6.3	381	103	27.0	237	87	36.7
Wayne	2063	304	14.7	158	67	42.4	90	61	67.8
Webster	10881	965	8.9	1344	495	36.8	922	469	50.9
Winnebago	3315	285	8.6	281	74	26.3	175	62	35.4
Winneshiek	5127	449	8.8	286	82	28.7	168	72	42.9
Woodbury	26112	2674	10.2	3786	1514	40.0	2726	1369	50.2
Worth	2305	184	8.0	204	45	22.1	112	40	35.7
Wright	4101	283	6.9	371	118	31.8	246	106	43.1
State of Iowa	746331	62747	8.4	81914	27404	33.5	55684	25140	45.1

Table 3. Families and Families of Female Householders in Poverty in Iowa Counties, 1979.

County	Families			Families of Female Householders With No Husband Present			Families of Female Householders With Children Under 18 and No Husband Present		
	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty
Adair	2706	392	14.5	123	39	31.7	68	30	44.1
Adams	1689	186	11.0	103	14	13.6	55	14	25.5
Allamakee	3944	470	11.9	329	78	23.7	168	62	36.9
Appanoose	4383	648	14.8	454	235	51.8	299	203	67.9
Audubon	2411	217	9.0	140	40	28.6	71	38	53.5
Benton	6445	578	9.0	516	135	26.2	321	111	34.6
Black Hawk	35542	2358	6.6	4202	1355	32.2	3069	1309	42.7
Boone	7146	456	6.4	525	152	29.0	381	140	36.7
Bremer	6593	425	6.4	314	63	20.1	182	63	34.6
Buchanan	5967	556	9.3	478	129	27.0	317	118	37.2
Buena Vista	5633	324	5.8	337	74	22.0	232	69	29.7
Butler	4959	380	7.7	242	50	20.7	108	34	31.5
Calhoun	3769	302	8.0	272	64	23.5	155	60	38.7
Carroll	5780	391	6.8	420	51	12.1	236	44	18.6
Cass	4796	391	8.2	320	61	19.1	196	57	29.1
Cedar	5139	417	8.1	323	69	21.4	200	59	29.5
Cerro Gordo	13179	738	5.6	1268	336	26.5	900	309	34.3
Cherokee	4380	385	8.8	309	66	21.4	197	62	31.5
Chickasaw	4086	383	9.4	285	65	22.8	184	57	31.0
Clarke	2509	327	13.0	198	75	37.9	168	73	43.5
Clay	5451	420	7.7	413	89	21.5	327	87	26.6
Clayton	5689	611	10.7	333	65	19.5	176	56	31.8
Clinton	15367	880	5.7	1340	345	25.7	875	297	33.9
Crawford	5136	521	10.1	374	89	23.8	221	66	29.9
Dallas	8168	448	5.5	598	160	26.8	443	158	35.7
Davis	2539	430	16.9	143	55	38.5	86	55	64.0
Decatur	2587	381	14.7	225	50	22.2	148	46	31.1
Delaware	4789	504	10.5	337	97	28.8	210	91	43.3
Des Moines	12560	816	6.5	1347	403	29.9	856	356	41.6
Dickinson	4489	267	5.9	300	65	21.7	192	61	31.8
Dubuque	22636	1379	6.1	2361	548	23.2	1302	488	37.5
Emmet	3574	306	8.6	247	85	34.4	166	85	51.2
Fayette	6859	565	8.2	448	94	21.0	254	92	36.2
Floyd	5424	401	7.4	379	111	29.3	255	102	40.0
Franklin	3729	341	9.1	220	56	25.5	108	48	44.4
Fremont	2689	366	13.6	212	72	34.0	131	69	52.7
Greene	3492	379	10.9	264	93	35.2	176	77	43.8
Grundy	4003	199	5.0	186	54	29.0	112	43	38.4
Guthrie	3369	407	12.1	200	40	20.0	145	38	26.2
Hamilton	5034	372	7.4	410	82	20.0	250	73	29.2
Hancock	3834	248	6.5	250	58	23.2	144	39	27.1
Hardin	5948	468	7.9	401	129	32.2	237	107	45.1
Harrison	4428	576	13.0	308	137	44.5	221	119	53.8
Henry	5160	315	6.1	433	73	16.9	259	71	27.4
Howard	2959	315	10.6	137	20	14.6	58	18	31.0
Humboldt	3589	235	6.5	242	62	25.6	176	60	34.1
Ida	2508	293	11.7	144	49	34.0	80	34	42.5
Iowa	4258	280	6.6	258	46	17.8	149	30	20.1
Jackson	5853	552	9.4	381	94	24.7	242	85	35.1
Jasper	10373	652	6.3	787	207	26.3	569	200	35.1

Table 3. Families and Families of Female Householders in Poverty in Iowa Counties, 1979 (continued).

County	Families			Families of Female Householders With No Husband Present			Families of Female Householders With Children Under 18 and No Husband Present		
	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty
Jefferson	4171	395	9.5	349	106	30.4	225	80	35.6
Johnson	17941	1008	5.6	1767	281	15.9	1162	245	21.1
Jones	5389	464	8.6	377	96	25.5	197	68	34.5
Keokuk	3654	352	9.6	218	57	26.1	126	49	38.9
Kossuth	5894	594	10.1	426	107	25.1	223	82	36.8
Lee	11342	728	6.4	1210	288	23.8	807	261	32.3
Linn	44641	2206	4.9	4502	996	22.1	3127	908	29.0
Louisa	3363	300	8.9	268	110	41.0	198	97	49.0
Lucas	2998	358	11.9	256	81	31.6	181	74	40.9
Lyon	3452	366	10.6	155	19	12.3	52	12	23.1
Madison	3465	343	9.9	234	51	21.8	143	44	30.8
Mahaska	6471	625	9.7	492	158	32.1	339	158	46.6
Marion	7767	599	7.7	579	154	26.6	400	146	36.5
Marshall	11324	637	5.6	1014	242	23.9	682	218	32.0
Mills	3458	251	7.3	278	66	23.7	182	66	36.3
Mitchell	3341	331	9.9	204	25	12.3	87	13	14.9
Monona	3380	433	12.8	224	52	23.2	99	38	38.4
Monroe	2553	230	9.0	186	22	11.8	97	19	19.6
Montgomery	3882	265	6.8	285	74	26.0	217	74	34.1
Muscatine	10820	812	7.5	1083	299	27.6	748	297	39.7
O'Brien	4656	381	8.2	292	58	19.9	120	36	30.0
Osceola	2337	230	9.8	169	54	32.0	80	40	50.0
Page	5213	449	8.6	453	104	23.0	255	81	31.8
Palo Alto	3302	262	7.9	181	36	19.9	96	31	32.3
Plymouth	6451	588	9.1	446	101	22.6	245	99	40.4
Pocahontas	3111	294	9.5	223	41	18.4	123	39	31.7
Polk	79858	4840	6.1	10584	2510	23.7	7280	2415	33.2
Pottawattamie	23355	1800	7.7	2736	824	30.1	2022	782	38.7
Poweshiek	5094	451	8.9	422	84	19.9	286	69	24.1
Ringgold	1770	369	20.8	104	29	27.9	65	29	44.6
Sac	3963	297	7.5	238	44	18.5	131	36	27.5
Scott	42000	2465	5.9	4674	1262	27.0	3599	1216	33.8
Shelby	4007	397	9.9	182	49	26.9	100	40	40.0
Sioux	7768	584	7.5	352	54	15.3	179	46	25.7
Story	15761	937	5.9	1145	241	21.0	790	208	26.3
Tama	5397	476	8.8	383	121	31.6	261	113	43.3
Taylor	2406	335	13.9	153	33	21.6	88	30	34.1
Union	3795	382	10.1	402	114	28.4	259	99	38.2
Van Buren	2390	359	15.0	150	45	30.0	82	44	53.7
Wapello	11286	791	7.0	1104	318	28.8	644	276	42.9
Warren	9445	507	5.4	712	119	16.7	585	113	19.3
Washington	5483	561	10.2	457	106	23.2	265	90	34.0
Wayne	2461	389	15.8	187	41	21.9	106	36	34.0
Webster	12203	867	7.1	1310	349	26.6	898	333	37.1
Winnebago	3551	203	5.7	227	42	18.5	135	38	28.1
Winneshiek	5289	530	10.0	434	69	15.9	223	62	27.8
Woodbury	26965	2481	9.2	3331	1233	37.0	2373	1153	48.6
Worth	2570	149	5.8	190	43	22.6	104	41	39.4
Wright	4568	343	7.5	325	99	30.5	215	81	37.7
State of Iowa	773311	58265	7.5	70509	18186	25.8	46976	16688	35.5

Table 4. Families and Families of Female Householders in Poverty in Iowa Counties, 1969.

County	Families			Families of Female Householders With No Husband Present		
	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty
Adair	2600	286	11.0	140	48	34.3
Adams	1749	297	17.0	90	21	23.3
Allamakee	3653	570	15.6	271	61	22.5
Appanoose	4137	711	17.2	335	84	25.1
Audubon	2604	385	14.8	144	31	21.5
Benton	5888	473	8.0	364	76	20.9
Black Hawk	32186	2348	7.3	2646	805	30.4
Boone	6915	543	7.9	477	90	18.9
Bremer	5802	552	9.5	329	66	20.1
Buchanan	5289	664	12.6	394	102	25.9
Buena Vista	5378	480	8.9	332	93	28.0
Butler	4614	522	11.3	258	89	34.5
Calhoun	3822	436	11.4	219	62	28.3
Carroll	5380	578	10.7	442	122	27.6
Cass	4710	454	9.6	239	76	31.8
Cedar	4698	390	8.3	262	64	26.4
Cerro Gordo	12661	981	7.7	1044	296	28.4
Cherokee	4431	299	6.7	328	61	18.6
Chickasaw	3700	494	13.4	248	96	38.7
Clarke	2206	289	13.1	117	47	40.2
Clay	4921	444	9.0	356	112	31.5
Clayton	5269	773	14.7	281	103	36.7
Clinton	14484	953	6.6	1088	279	25.6
Crawford	4864	520	10.7	250	67	26.8
Dallas	7096	593	8.4	450	111	24.7
Davis	2310	346	15.0	115	33	28.7
Decatur	2471	475	19.2	155	61	39.4
Delaware	4420	661	15.0	274	80	29.2
Des Moines	12369	811	6.6	1182	273	23.1
Dickinson	3410	380	11.1	160	38	23.8
Dubuque	20012	1528	7.6	1690	366	21.7
Emmet	3488	411	11.8	255	88	34.5
Fayette	6767	869	12.8	383	109	28.5
Floyd	5109	509	10.0	320	92	28.8
Franklin	3688	358	9.7	262	73	27.9
Fremont	2558	299	11.7	162	62	38.3
Greene	3498	389	11.1	279	148	53.0
Grundy	3899	228	5.8	210	44	21.0
Guthrie	3327	330	9.9	178	61	34.3
Hamilton	4892	437	8.9	335	87	26.0
Hancock	3543	315	8.9	180	49	27.2
Hardin	5820	507	8.7	353	93	26.3
Harrison	4348	502	11.5	306	83	27.1
Henry	4801	347	7.2	368	58	15.8
Howard	2958	488	16.5	178	67	37.6
Humboldt	3303	316	9.6	216	53	24.5
Ida	2475	185	7.5	79	17	21.5
Iowa	4056	448	11.0	219	40	18.3
Jackson	5079	645	12.7	305	61	20.0
Jasper	9481	730	7.7	523	168	32.1

Table 4. Families and Families of Female Householders in Poverty in Iowa Counties, 1969
(continued).

County	Families			Families of Female Householders With No Husband Present		
	Total	In Poverty	% in Poverty	Total	In Poverty	% in Poverty
Jefferson	4020	373	9.3	265	75	28.3
Johnson	16135	1218	7.5	1125	166	14.8
Jones	5012	545	10.9	366	91	24.9
Keokuk	3838	559	14.6	243	73	30.0
Kossuth	5823	681	11.7	345	136	39.4
Lee	11078	927	8.4	1082	344	31.8
Linn	40866	2346	5.7	3144	777	24.7
Louisa	2808	276	9.8	170	49	28.8
Lucas	2826	416	14.7	233	68	29.2
Lyon	3439	375	10.9	136	22	16.2
Madison	3173	419	13.2	122	32	26.2
Mahaska	6008	858	14.3	447	150	33.6
Marion	6610	715	10.8	453	138	30.5
Marshall	10676	682	6.4	711	212	29.8
Mills	3022	233	7.7	142	43	30.3
Mitchell	3227	321	9.9	162	46	28.4
Monona	3273	403	12.3	226	92	40.7
Monroe	2527	380	15.0	239	55	23.0
Montgomery	3584	362	10.1	286	92	32.2
Muscatine	9470	611	6.5	677	142	21.0
O'Brien	4556	458	10.1	282	74	26.2
Osceola	2223	280	12.6	134	46	34.3
Page	4991	507	10.2	413	128	31.0
Palo Alto	3321	453	13.6	218	85	39.0
Plymouth	5812	663	11.4	320	107	33.4
Pocahontas	3284	326	9.9	260	48	18.5
Polk	72677	4463	6.1	7376	1840	24.9
Pottawattamie	21932	1751	8.0	1850	551	29.8
Poweshiek	4757	423	8.9	271	69	25.5
Ringgold	1866	268	14.4	90	33	36.7
Sac	4149	412	9.9	250	87	34.8
Scott	35653	2492	7.0	3059	1007	32.9
Shelby	3908	423	10.8	230	15	6.5
Sioux	6741	847	12.6	332	100	30.1
Story	14326	993	6.9	799	162	20.3
Tama	5352	562	10.5	354	99	28.0
Taylor	2491	479	19.2	136	57	41.9
Union	3703	457	12.3	303	103	34.0
Van Buren	2422	430	17.8	112	47	42.0
Wapello	11241	1092	9.7	899	315	35.0
Warren	6878	463	6.7	328	105	32.0
Washington	4991	368	7.4	312	55	17.6
Wayne	2461	437	17.8	138	54	39.1
Webster	12176	947	7.8	1122	372	33.2
Winnebago	3337	195	5.8	204	27	13.2
Winneshiek	5013	526	10.5	329	68	20.7
Woodbury	25863	2369	9.2	2468	729	29.5
Worth	2441	214	8.8	128	31	24.2
Wright	4657	409	8.8	287	97	33.8
State of Iowa	717776	63956	8.9	53349	14680	27.5

Mahaska, Plymouth, Sioux). Increases in the number of persons below the poverty level were noted in 22 counties; gains of at least 4,000 occurred in five counties (Black Hawk, Johnson, Polk, Scott, Story).

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

Families

Percentages of families in poverty vary by family type (Tables 2-4, Figure 2). While 8.4% (62,747) of all families had income below the poverty level in 1989, the figure was 33.5% (27,404) for families of female householders with no husband present. It was even higher (45.1%, 25,140) for families of female householders with children under 18 and no husband present. In both 1969 and 1979, the pattern was similar in that families with a female householder with no husband present had percentages in poverty that were three to four times higher than for all families taken together. For all the family types, percentages in poverty were somewhat lower in 1979 than in the other two census years.

In 1989, five counties (Black Hawk, Linn, Polk, Scott, Woodbury) each had more than 2,500 families below the poverty level. Together these five counties had nearly 30% of all of Iowa's families in poverty that year. Six counties (Adams, Audubon, Ida, Osceola, Ringgold, Worth) had fewer than 200 families in poverty.

Although 8.4% of all families were in poverty in 1989, county figures varied from 4.8% (Warren) to 16.5% (Appanoose). In addition to Appanoose, six other counties (Adams, Davis, Decatur, Monroe, Taylor, Wayne) had percentages of 13% or higher. Warren was the only county below 5%, although four others (Dickinson, Hamilton, Jasper, Linn) were under 6%.

Iowa had 1,209 fewer families with incomes below the poverty level in 1989 than in 1969; seven of every 10 (70) counties also counted fewer families in poverty in 1989 than 20 years earlier. The other 29 counties had more families below the poverty level in the later than in the earlier year. The percent of Iowa's families below the poverty level was slightly lower (-0.5 percentage points) in 1989 than in 1969. Seventy-four counties also followed the state trend with lower percentages of families in poverty in 1989 than 20 years earlier. Thirty-one had successive percentage declines from 1969 to 1979 and from 1979 to 1989. Three counties (Benton, Jefferson, Muscatine) increased from 1969 to 1979 and from then to the most recent census.

Families of Female Householders with No Husband Present

Iowa had more than 27,000 families of female householders with no husband present that were below the poverty level in 1989. These families accounted for 43.7% of all the state's families in poverty that year. The numbers of female householder families with no husband present that were in poverty ranged from fewer than 50 (Adams, Audubon, Franklin, Ringgold, Van Buren, Worth) to more than 2,000 (Black Hawk, Polk, Scott).

While the state's percentage of this type of family in poverty was 33.5, percentages in Iowa's 99 counties ranged from 17.4 (Iowa) to 58.2 (Appanoose). Families with a female householder and no husband present had percentages in poverty that ranged significantly higher than that for all families. Thirty counties reported at least 40% of their families of female householders with no husband present in poverty, although Adams was the only county other than Appanoose to have a rate above 50%.

In contrast to the trend for all families, where Iowa and the majority of counties had fewer families in poverty and lower poverty percentages in 1989 than 1969, there were 12,724 more families with a female householder and no husband present below the poverty level in 1989 than in 1969. Likewise, the percentage in poverty for these families was six points higher in the later year.

Of Iowa's counties, 91 had a larger number of these families below the poverty level in 1989 than in 1969. Percentages of families with female householders with no husband present were higher in 78 counties in 1989 than in 1969 and lower in the remaining 21. Twenty-six recorded increases in the percentages in poverty from both 1969 to 1979 and 1979 to 1989, although six had declines during each of the two decades. The percentages were at least 20 points higher in 1989 than in 1969 in six counties (Adams, Appanoose, Henry, Madison, Monroe, Muscatine) for this type of family.

Families of Female Householders with Children Under 18 and No Husband Present

In 1989, there were 55,684 families of female householders with children under 18 and no husband present in Iowa. Nearly half of these families (25,140, 45.1%) had incomes below the poverty level. For the counties, the numbers of these families below the poverty level ranged from under 40 (Adams, Ringgold) to more than 1,000 (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury).

Percentages in poverty for these families of female householders with children ranged from less than 30 in Iowa, Jasper, Johnson, Poweshiek, and Warren to at least 70 in Appanoose and Monroe. Thus, at least one-fourth of these families had incomes below the poverty level in every county. Forty-five counties reported at least half of this family type in poverty (Figure 3).

The number of families of female householders with children under 18 and no husband present that were in poverty increased by 8,452 from 1979 to 1989 in Iowa. Eighty-nine counties also recorded increases in these families during that period. The percentage of these families in poverty increased during that decade by nearly 10 points. Eighty-eight counties likewise experienced higher percentages in poverty in the later year. Percentage increases were especially significant in fourteen counties that jumped between 20.0 and 29.9 points and in seven others (Adams, Madison, Mitchell, Monroe, Page, Palo Alto, Wayne) where the increases were 30.0 percentage points or more.

Figure 1. Percent persons in poverty, 1989.

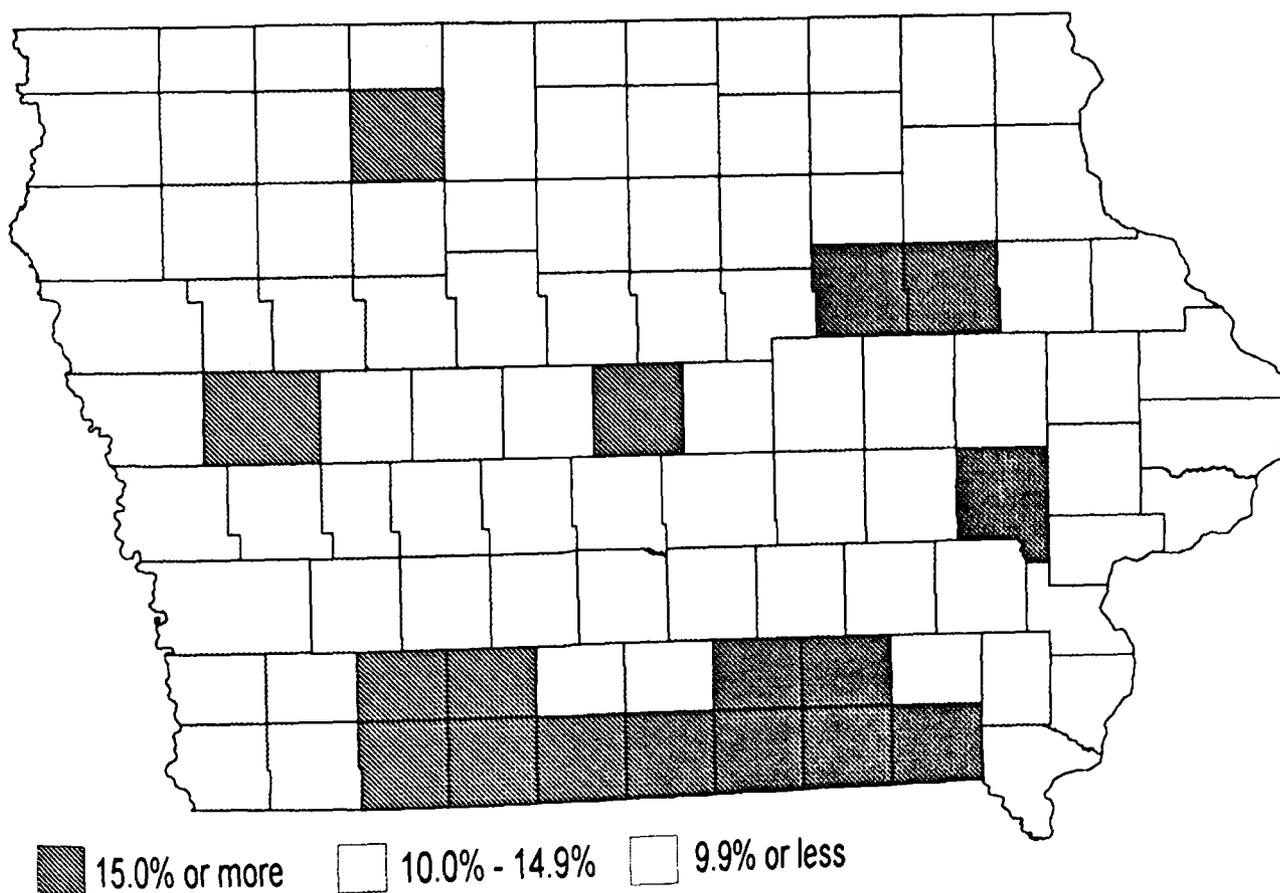


Figure 2. Percent of families in poverty in Iowa, 1969-1989.

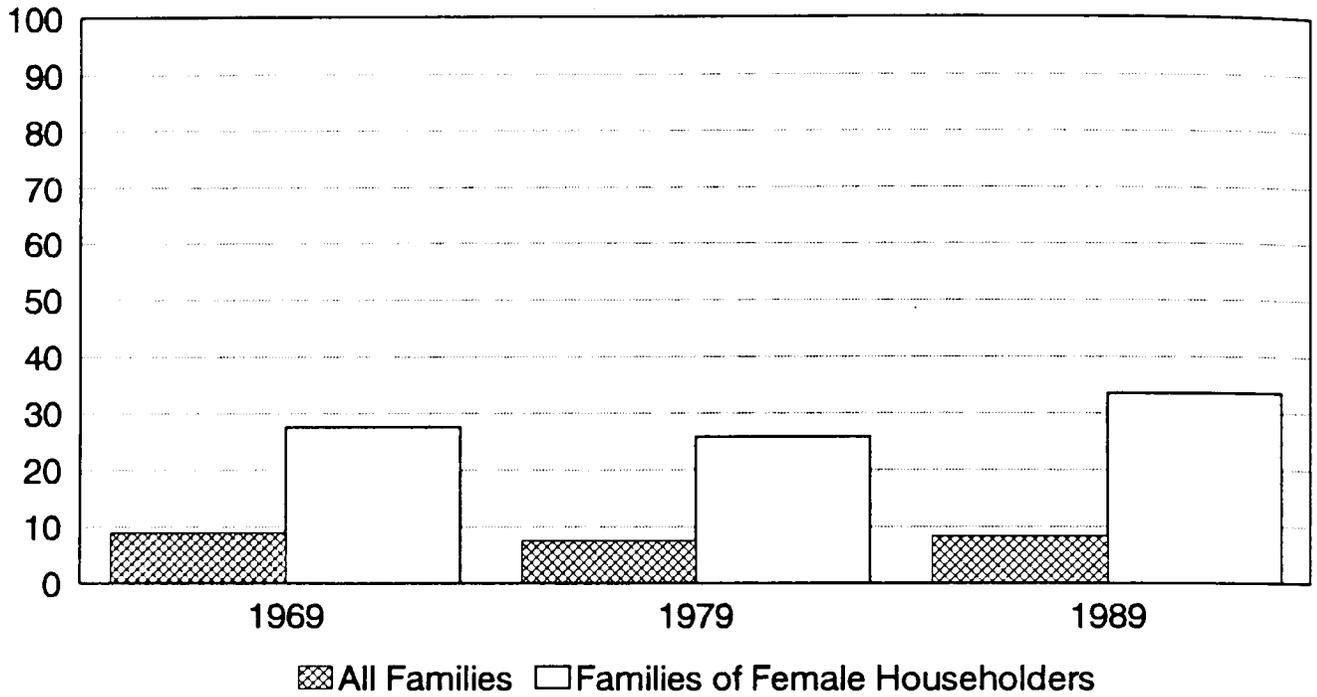
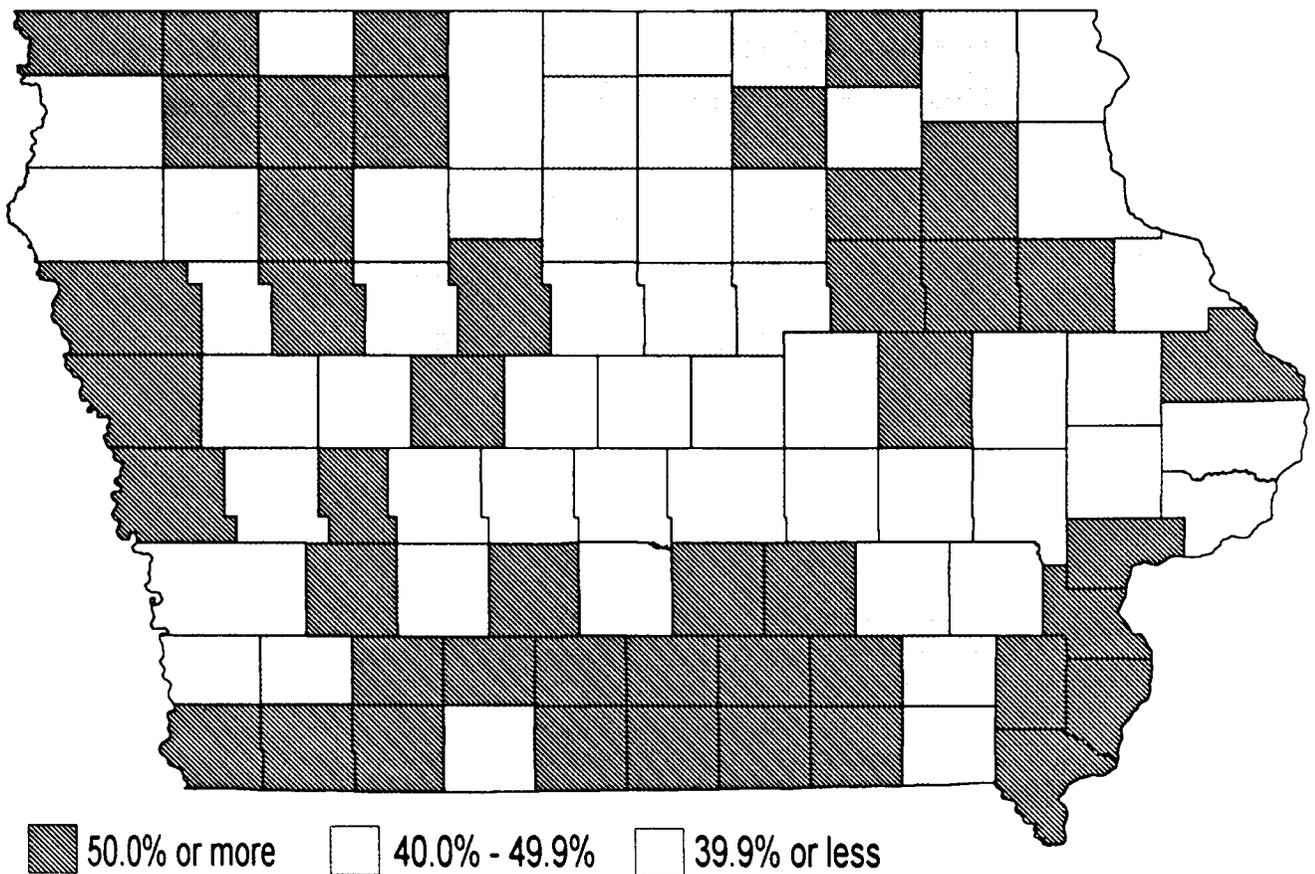


Figure 3. Percent families of female householders with children in poverty, 1989.



Residence in the Census Year and Five Years Earlier in Iowa's Counties: 1960-1990

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In addition to determining where people live in the year that the U.S. Bureau of the Census counts the population, a question is included on where residents lived at the mid-point of the previous decade. In the 1990 census, for example, respondents were asked where they lived in 1985. This information, which has been a part of each census since 1960, 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.

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. Census questions allow determination of those living in the same house at the mid-point of the decade, a different house but in the same county, the same state, a different state, and abroad.

In Iowa, the majority of residents lived in the same house five years before and during the census years of 1990 (Table 1), 1980 (Table 2), 1970 (Table 3), and 1960 (Table 4). The percentages living in the same house varied only slightly from a low of 55.2% in 1960 to a high of 58.2% in 1990 (Table 5). Results are consistent when the boundary is changed from "same house" to "same county" five years earlier. About 80% of Iowans had lived in the same county five years before each of these census years.

Generally, the percentages for counties are similar to those for the state for all years. Two exceptions are evident; Johnson and Story counties had relatively lower percentages living in the same county five years earlier in all censuses (Table 5). These results probably were influenced by the large student populations attending universities in these counties. In the 97 other counties, the percentages living in the same county at the beginning and the end of the period varied within a small range (75.6% to 88.8%) in 1990. When those living in the same house five years earlier are examined, urban counties tend to have somewhat lower percentages than rural ones. This reflects greater movement occurring within urban areas. In nine counties (Butler, Chickasaw, Clayton, Grundy, Keokuk, Kossuth, Lyon, Pocahontas, Worth), at least 7 of every 10 residents lived in the same house in 1985 and 1990.

Of those who did not live in the same house as five years earlier, more had been in the county than moved in from any other location. For example, 56.0% of those changing houses moved from one location to another within a county when 1985 and 1990 were compared. Similar figures were reported in 1980 (56.2%), 1970 (52.2%), and 1960 (61.4%). Twenty-two counties reported that less than half of those changing houses moved within a county in the 1985-1990 period, although only two (Johnson, 35.1%; Story, 31.7%) were below 40%. Twenty-five counties had at least 60% of those changing houses moving from one place to another within the county; in only Lee (68.4%) did as many as two-thirds of the moves occur within county boundaries.

Table 1. Residence in 1985 and 1990 of Those Five Years of Age or Older in Iowa Counties.

County	Persons 5+	Different House in 1990 Than in 1985:						Iowa in 1990 But Abroad in 1985
		Iowa in 1985 and 1990:			Iowa in 1990 But Different State in 1985:			
		Same House 1985 & 1990	Same County 1985 & 1990	Different County in 1990 Than 1985	Midwestern State	Other Than Midwestern State		
Adair	7855	5150	1505	804	153	221	22	
Adams	4523	3072	617	600	186	45	3	
Allamakee	12864	8679	2515	1020	485	153	12	
Appanoose	12871	7925	2815	1101	480	485	65	
Audubon	6827	4753	1175	714	86	95	4	
Benton	20777	13392	3749	2664	284	662	26	
Black Hawk	115624	63896	31072	13140	3009	3897	610	
Boone	23522	14193	5063	2927	539	755	45	
Bremer	21435	13563	3337	3060	629	690	156	
Buchanan	19228	12715	3834	2040	337	293	9	
Buena Vista	18544	10622	3443	2941	876	521	141	
Butler	14749	10335	2659	1395	173	184	3	
Calhoun	10815	7132	1808	1353	226	283	13	
Carroll	19734	13370	4154	1438	441	313	18	
Cass	14166	8955	3076	1355	403	344	33	
Cedar	16278	10576	3022	2085	297	292	6	
Cerro Gordo	43547	25769	10575	4621	1442	1061	79	
Cherokee	13168	8512	2865	1148	301	314	28	
Chickasaw	12398	8863	2112	1089	152	173	9	
Clarke	7723	4623	1788	966	179	145	22	
Clay	16340	9662	3548	1887	762	434	47	
Clayton	17722	12481	3082	1540	413	189	17	
Clinton	47430	29180	12141	2602	1913	1510	84	
Crawford	15566	9914	3316	1522	384	409	21	
Dallas	27645	16344	5026	4486	804	872	113	
Davis	7708	5056	1536	651	239	203	23	
Decatur	7831	4336	1704	726	596	425	44	
Delaware	16620	11379	3250	1490	203	281	17	
Des Moines	39762	23492	10525	2366	1514	1733	132	
Dickinson	14092	8530	2737	1720	607	473	25	
Dubuque	80381	49794	20282	3737	3982	2020	566	
Emmet	10859	6916	2032	1171	494	241	5	
Fayette	20352	13297	3863	2263	439	463	27	
Floyd	15939	10068	3459	1674	335	390	13	
Franklin	10633	7040	1976	1169	221	178	49	
Fremont	7710	4986	1452	617	373	263	19	
Greene	9409	6297	1715	1016	173	191	17	
Grundy	11254	7906	1629	1410	166	133	10	
Guthrie	10305	6902	1526	1379	223	271	4	
Hamilton	15009	8935	3631	1793	329	272	49	
Hancock	11725	7766	2153	1354	231	198	23	
Hardin	17975	11344	3459	2260	449	413	50	
Harrison	13705	8855	2636	967	850	345	52	
Henry	17953	10072	3778	2448	734	778	143	
Howard	9135	6222	1552	897	273	177	14	
Humboldt	10050	6709	2009	997	206	112	17	
Ida	7739	5347	1373	721	190	100	8	
Iowa	13580	9278	2602	1324	178	177	21	
Jackson	18526	12675	3735	1389	370	311	46	
Jasper	32553	19988	7641	3394	653	776	101	

Table 1. Residence in 1985 and 1990 of Those Five Years of Age or Older in Iowa Counties (continued).

County	Persons 5+	Different House in 1990 Than in 1985:					
		Iowa in 1985 and 1990:			Iowa in 1990 But Different State in 1985:		Iowa in 1990 But Abroad in 1985
		Same House 1985 & 1990	Same County 1985 & 1990	Different County in 1990 Than 1985	Midwestern State	Other Than Midwestern State	
Jefferson	15254	8387	3596	1012	467	1384	408
Johnson	89933	33746	19720	19350	8232	5768	3117
Jones	18172	11609	3061	2639	285	548	30
Keokuk	10871	7648	1713	1119	221	170	0
Kossuth	17293	12200	3075	1154	495	316	53
Lee	36105	21883	9721	1816	1424	1184	77
Linn	156796	85692	43751	14587	5881	5883	1002
Louisa	10789	7180	1698	1160	312	345	94
Lucas	8500	5397	1851	930	139	176	7
Lyon	11005	7905	1655	524	721	188	12
Madison	11651	7056	2127	1630	341	423	74
Mahaska	19984	12067	4305	2342	628	551	91
Marion	28044	15891	6415	3813	830	959	136
Marshall	35800	22224	8382	3345	902	865	82
Mills	12365	7373	2179	1430	897	466	20
Mitchell	10215	6749	2158	795	268	237	8
Monona	9430	5933	2062	969	295	163	8
Monroe	7599	4941	1673	630	106	231	18
Montgomery	11346	6941	2341	1110	492	447	15
Muscatine	36952	22270	9321	2539	1274	1346	202
O'Brien	14418	9385	2710	1455	535	318	15
Osceola	6732	4701	1197	334	305	185	10
Page	15871	9935	3260	1497	586	530	63
Palo Alto	9989	6542	1931	944	267	288	17
Plymouth	21671	14268	3980	2400	583	391	49
Pocahontas	8875	6277	1297	942	115	221	23
Polk	302324	148368	92203	30701	15910	13104	2038
Pottawattamie	76437	45945	19773	3470	4940	2065	244
Poweshiek	17866	10241	3763	2103	957	737	65
Ringgold	5130	3474	896	445	170	120	25
Sac	11488	7828	1909	1266	238	233	14
Scott	139244	74804	38495	7193	10159	7245	1348
Shelby	12341	8421	2245	1061	335	269	10
Sioux	27599	17708	5569	1853	1454	805	210
Story	69885	27302	13495	17918	4844	3216	3110
Tama	16280	11111	2828	1642	285	384	30
Taylor	6680	4385	1265	510	275	228	17
Union	11952	7250	2927	1203	341	195	36
Van Buren	7129	4472	1522	722	228	173	12
Wapello	33354	19849	8171	3107	946	1203	78
Warren	33437	19757	5531	6438	774	830	107
Washington	18163	11655	3588	2047	342	469	62
Wayne	6619	4283	1225	712	239	157	3
Webster	37349	21867	9639	3316	1420	1053	54
Winnebago	11329	7396	1852	1233	558	230	60
Winneshiek	19435	11640	3795	1834	1663	371	132
Woodbury	90867	50454	24673	5067	5475	4246	952
Worth	7488	5411	989	785	219	82	2
Wright	13314	8797	2637	1197	331	350	2
State of Iowa	2583526	1503484	604721	263720	107686	86612	17303

Table 2. Residence in 1975 and 1980 of Those Five Years of Age or Older in Iowa Counties.

County	Persons 5+	Different House in 1980 Than in 1975:					
		Iowa in 1975 and 1980:			Iowa in 1980 But Different State in 1975:		Iowa in 1980 But Abroad in 1975
		Same House 1975 & 1980	Same County 1975 & 1980	Different County in 1980 Than 1975	Midwestern State	Other Than Midwestern State	
Adair	8782	5630	1673	1115	211	120	33
Adams	5310	3482	1070	469	211	74	4
Allamakee	13871	8983	2925	1258	533	151	21
Appanoose	14453	8113	3867	1436	561	438	38
Audubon	7970	5195	1517	982	164	112	0
Benton	21935	13373	4617	3411	321	167	46
Black Hawk	126984	65902	36342	14466	6036	3579	659
Boone	24309	13581	5855	3723	647	481	22
Bremer	22885	13132	4596	3646	726	632	153
Buchanan	20897	12770	4664	2505	514	403	41
Buena Vista	19311	10477	4166	3343	830	449	46
Butler	16281	10594	3398	1979	134	157	19
Calhoun	12563	7761	2315	1822	337	302	26
Carroll	20951	13019	4372	2340	890	326	4
Cass	15753	9373	3719	1524	545	519	73
Cedar	17278	10066	3392	2806	650	254	110
Cerro Gordo	45036	25598	9355	5808	2582	1584	109
Cherokee	15002	8993	3959	1253	515	257	25
Chickasaw	14242	9499	2896	1337	270	221	19
Clarke	7965	4107	1877	1475	340	132	34
Clay	17946	9566	4129	3094	628	524	5
Clayton	19350	13024	3746	1793	519	184	84
Clinton	52736	32412	13527	2785	2489	1293	230
Crawford	17225	10053	4140	1808	900	188	136
Dallas	27298	14786	5296	5215	1069	802	130
Davis	8412	5240	1792	815	427	138	0
Decatur	9305	4526	2088	1201	912	510	68
Delaware	17442	11619	3435	1834	244	220	90
Des Moines	42821	24633	11778	2861	2063	1340	146
Dickinson	14387	7050	3598	2348	947	421	23
Dubuque	86345	50027	25817	4477	4117	1641	266
Emmet	12201	6927	3136	1227	348	378	185
Fayette	23640	15789	4692	2386	350	348	75
Floyd	18196	11366	3765	2118	397	396	154
Franklin	11956	7392	2131	1885	220	206	122
Fremont	8570	5444	1402	1136	435	124	29
Greene	11234	6501	2609	1389	255	452	28
Grundy	13281	8267	2401	2229	220	121	43
Guthrie	11071	7239	2202	1240	200	158	32
Hamilton	16544	10545	3309	1860	482	253	95
Hancock	12675	7337	2993	1675	458	186	26
Hardin	20239	11405	4371	3354	578	480	51
Harrison	15011	9110	3422	1460	738	263	18
Henry	17680	9062	4407	2396	1090	564	161
Howard	10201	7175	1828	737	356	29	76
Humboldt	11273	6693	2628	1444	299	182	27
Ida	8207	5288	1546	1050	168	144	11
Iowa	14272	9620	2775	1431	273	159	14
Jackson	20696	12738	5205	1806	665	254	28
Jasper	33646	19922	8733	3505	769	651	66

Table 2. Residence in 1975 and 1980 of Those Five Years of Age or Older in Iowa Counties (continued).

County	Persons 5+	Different House in 1980 Than in 1975:					
		Iowa in 1975 and 1980:			Iowa in 1980 But Different State in 1975:		Iowa in 1980 But Abroad in 1975
		Same House 1975 & 1980	Same County 1975 & 1980	Different County in 1980 Than 1975	Midwestern State	Other Than Midwestern State	
Jefferson	15315	7283	4033	1663	702	1377	257
Johnson	76531	28437	17123	16732	6420	5511	2308
Jones	18769	11212	4424	2238	325	499	71
Keokuk	11911	7505	2851	989	175	327	64
Kossuth	20246	13048	4360	1758	680	366	34
Lee	39829	22625	10183	3081	2239	1532	169
Linn	156676	78774	48584	13686	8261	6634	737
Louisa	11001	6675	2140	1554	346	278	8
Lucas	9751	5414	2412	1327	366	180	52
Lyon	11793	7883	2213	866	578	244	9
Madison	11616	6646	2401	2128	289	139	13
Mahaska	21311	11186	5428	3145	668	683	201
Marion	27577	14888	7262	3675	991	599	162
Marshall	38537	21150	10679	4201	1372	894	241
Mills	12367	7159	2554	1542	716	360	36
Mitchell	11414	7519	2175	1091	495	91	43
Monona	10888	6537	2718	1039	441	147	6
Monroe	8654	5099	1854	1216	243	209	33
Montgomery	12376	7027	2918	1515	636	259	21
Muscatine	37034	19731	10280	3384	1598	1482	559
O'Brien	15609	9935	2901	1832	596	258	87
Osceola	7749	4594	1859	776	406	114	0
Page	17685	9874	4206	1744	1210	485	166
Palo Alto	11879	7097	2578	1481	548	162	13
Plymouth	22863	14158	4994	2447	871	376	17
Pocahontas	10578	7097	1972	1102	216	159	32
Polk	281184	143860	82042	25258	15374	11651	2999
Pottawattamie	79667	45504	22967	3470	5243	1931	552
Poweshiek	18071	10316	3734	2085	1031	794	111
Ringgold	5704	3721	1135	400	271	151	26
Sac	13288	8496	2599	1745	255	191	2
Scott	147132	73647	41917	9084	14275	6789	1420
Shelby	14194	9859	2459	1141	480	255	0
Sioux	27814	16535	6103	2536	1760	695	185
Story	67521	22498	14241	18960	5766	3968	2088
Tama	18193	11608	3998	1866	315	359	47
Taylor	7835	4712	1642	905	344	201	31
Union	12870	7181	2694	1665	760	504	66
Van Buren	7950	5109	1614	790	225	199	13
Wapello	37399	22085	9313	3532	1321	966	182
Warren	31912	16596	6232	6343	1582	1064	95
Washington	18432	10952	4124	2161	576	578	41
Wayne	7692	4872	1690	709	207	167	47
Webster	42458	24731	11072	4140	1132	1010	373
Winnebago	12235	7342	2559	1028	874	323	109
Winneshiek	20344	12171	4180	2054	1428	382	129
Woodbury	92383	51417	26593	4846	5845	3156	526
Worth	8385	5114	1467	1290	394	110	10
Wright	15017	9047	3189	1934	530	241	76
State of Iowa	2693277	1496330	672142	293411	131009	82017	18368

Table 3. Residence in 1965 and 1970 of Those Five Years of Age or Older in Iowa Counties.

County	Persons 5+	Different House in 1970 Than in 1965:						
		Iowa in 1965 and 1970:			Iowa in 1970 But Different State in 1965:		Iowa in 1970 But Abroad in 1965	Moved, Residence Unknown in 1965
		Same House 1965 & 1970	Same County 1965 & 1970	Different County in 1970 Than 1965	Midwest State	Other Than Midwest State		
Adair	8877	5620	1957	936	75	129	0	160
Adams	5966	3791	734	619	388	152	14	268
Allamakee	13754	9483	2563	912	459	44	25	268
Appanoose	14024	8263	2501	1854	693	271	30	412
Audubon	8908	5896	1951	521	142	89	0	309
Benton	20962	13259	4180	2551	387	282	13	290
Black Hawk	121147	65677	31554	13087	3901	2505	703	3720
Boone	24603	15629	3869	2628	577	703	68	1129
Bremer	20861	11952	4228	3042	767	254	44	574
Buchanan	19688	12438	3280	2777	530	216	42	405
Buena Vista	19184	11222	4009	2357	670	297	17	612
Butler	15608	9935	3042	1912	187	141	75	316
Calhoun	13312	8714	2261	1396	263	185	14	479
Carroll	20853	13517	4264	1963	348	261	72	428
Cass	15787	9169	3652	1662	553	290	67	394
Cedar	16272	9994	3075	1887	315	248	77	676
Cerro Gordo	45793	26152	10492	4877	1886	943	147	1296
Cherokee	15935	9599	3062	1817	514	266	145	532
Chickasaw	13630	9215	2522	1352	160	97	20	264
Clarke	7079	3823	1465	1207	157	65	36	326
Clay	17105	9684	3756	1968	993	328	20	356
Clayton	18977	12573	3790	1652	375	105	67	415
Clinton	51779	29896	13237	2814	2678	1720	380	1054
Crawford	17181	11217	3208	1607	442	231	43	433
Dallas	23891	14025	4340	3658	565	484	119	700
Davis	7694	4910	1574	655	232	44	0	279
Decatur	9162	5477	1212	957	797	463	57	199
Delaware	16901	11332	2844	2035	380	128	21	161
Des Moines	43132	23920	10792	3014	2466	1509	167	1264
Dickinson	11757	7124	2260	1366	542	169	28	268
Dubuque	81273	50566	19004	3703	4376	1424	277	1923
Emmet	12906	8049	2554	1225	457	201	32	388
Fayette	24755	15359	5465	2438	672	273	45	503
Floyd	18199	10831	4327	1953	614	238	23	213
Franklin	12382	8310	2193	1162	347	127	39	204
Fremont	8656	5251	1992	534	458	218	50	153
Greene	11772	7593	2568	1032	253	118	20	188
Grundy	13080	8198	2504	1805	194	100	32	247
Guthrie	11404	7223	2493	1174	131	121	8	254
Hamilton	17056	10616	3634	1657	428	228	89	404
Hancock	12213	8402	2128	1076	198	83	17	309
Hardin	20703	12009	4288	3150	336	333	67	520
Harrison	15060	8909	3919	883	517	372	46	414
Henry	16765	8685	4117	2129	743	491	102	498
Howard	10589	7139	1966	903	347	17	44	173
Humboldt	11623	6815	2530	1638	279	174	13	174
Ida	8515	5601	1701	725	194	89	35	170
Iowa	14211	9430	2329	1696	226	233	8	289
Jackson	18881	11608	4283	1519	397	247	19	808
Jasper	32628	19288	7757	3013	801	647	62	1060

Table 3. Residence in 1965 and 1970 of Those Five Years of Age or Older in Iowa Counties (continued).

County	Different House in 1970 Than in 1965:							
	Persons 5+	Iowa in 1965 and 1970:			Iowa in 1970 But Different State in 1965:		Iowa in 1970 But Abroad in 1965	Moved, Residence Unknown in 1965
		Same House 1965 & 1970	Same County 1965 & 1970	Different County in 1970 Than 1965	Midwest State	Other Than Midwest State		
Jefferson	14625	8214	3080	1282	540	967	95	467
Johnson	65752	22499	13587	15489	5629	4183	1710	2655
Jones	18217	10325	3891	2374	314	323	85	905
Keokuk	12971	8323	2404	1463	252	89	65	375
Kossuth	21094	14199	4506	1241	382	209	52	505
Lee	39575	23622	9106	2144	2303	1092	108	1200
Linn	147413	73013	41500	15265	6819	4897	834	5085
Louisa	9801	5750	1992	1151	217	232	19	440
Lucas	9522	5967	1763	1055	168	287	6	276
Lyon	12201	8554	1997	902	419	165	7	157
Madison	10770	6514	1957	1499	230	156	18	396
Mahaska	20561	12530	3995	2010	765	553	35	673
Marion	24313	13956	4825	2804	787	670	50	1221
Marshall	37487	20228	9331	4574	1123	978	119	1134
Mills	10761	7148	1763	834	395	292	26	303
Mitchell	12124	7909	2303	1158	524	100	13	117
Monona	11274	7206	1954	1181	453	151	0	329
Monroe	8744	5932	1395	858	189	145	19	206
Montgomery	11969	7509	2141	1240	602	158	14	305
Muscatine	33799	17089	9127	2782	1461	1196	145	1999
O'Brien	16232	10799	2749	1536	558	123	45	422
Osceola	7929	5684	1398	366	199	150	14	118
Page	17398	10143	3861	1437	822	450	97	588
Palo Alto	12319	8037	2404	1186	156	209	22	305
Plymouth	22469	14412	3895	2116	900	567	51	528
Pocahontas	11757	8000	1925	1167	182	163	5	315
Polk	261342	135363	69124	20660	14726	8962	1562	10945
Pottawattamie	79407	44744	19115	3692	4319	2030	320	5187
Poweshiek	17412	10147	3271	1704	890	722	92	586
Ringgold	6019	4246	1052	267	305	28	14	107
Sac	14446	9410	2569	1502	267	208	36	454
Scott	128664	64375	32530	8336	10282	5337	968	6836
Shelby	14231	9284	2741	1183	415	172	21	415
Sioux	25628	16395	5499	1256	1284	516	99	579
Story	58005	21926	11149	14267	4823	3077	959	1804
Tama	18625	12604	3271	1789	263	199	50	449
Taylor	8237	5685	1332	684	266	117	17	136
Union	12546	6234	3396	1595	639	300	28	354
Van Buren	8054	5269	1112	987	171	244	0	271
Wapello	39170	23895	9183	3177	1277	731	121	786
Warren	24811	13026	3825	5111	1114	808	32	895
Washington	17436	10241	3826	2203	548	354	60	204
Wayne	7921	5329	1342	685	257	68	0	240
Webster	44510	25836	10652	4516	1232	757	155	1362
Winnebago	12078	7125	1975	1702	747	145	6	378
Winneshiek	20101	12541	3294	1763	1410	375	125	593
Woodbury	94647	53610	23265	5870	5909	2594	211	3188
Worth	8343	4930	1656	1048	417	139	14	139
Wright	16117	9994	3389	1621	461	251	20	381
State of Iowa	2591320	1479159	580843	257230	112821	64972	12103	84192

Table 4. Residence in 1955 and 1960 of Those Five Years of Age or Older in Iowa Counties.

County	Persons 5+	Different House in 1960 Than in 1955:						Moved, Residence Unknown in 1955
		Iowa in 1955 and 1960:			Iowa in 1960 But Different State in 1955	Iowa in 1960 But Abroad in 1955		
		Same House 1955 & 1960	Same County 1955 & 1960	Different County in 1960 Than 1955				
Adair	9895	6888	1883	863	218	35	8	
Adams	6771	4277	1680	627	145	4	38	
Allamakee	14091	9415	3122	989	453	37	75	
Appanoose	14679	9531	3342	1054	569	33	150	
Audubon	9725	6315	2154	906	233	27	90	
Benton	20862	12792	5152	2189	607	38	84	
Black Hawk	106902	49472	38481	11007	6687	601	654	
Boone	25447	15633	5680	3046	834	81	173	
Bremer	18839	10788	4219	2516	1060	125	131	
Buchanan	19737	11731	4462	2302	668	40	534	
Buena Vista	18867	10867	4627	2378	856	24	115	
Butler	15648	9891	3481	1885	327	34	30	
Calhoun	14301	9345	3016	1541	330	31	38	
Carroll	20437	12766	4806	1855	610	76	324	
Cass	16174	9001	4718	1687	672	42	54	
Cedar	15873	9651	3695	1840	583	43	61	
Cerro Gordo	44303	22197	13934	5127	2419	249	377	
Cherokee	16660	10125	3681	2208	569	37	40	
Chickasaw	13286	8974	2899	1038	296	8	71	
Clarke	7521	4359	1900	1010	195	21	36	
Clay	16462	9189	4118	2046	927	47	135	
Clayton	19593	13090	4333	1509	424	75	162	
Clinton	48794	27451	14550	2607	3702	188	296	
Crawford	16596	10630	3980	1387	427	55	117	
Dallas	21660	12266	4990	3235	915	83	171	
Davis	8318	4935	2217	810	323	20	13	
Decatur	9721	5302	2398	879	1016	69	57	
Delaware	16101	10147	3644	1806	417	59	28	
Des Moines	39942	21237	12082	2613	3029	165	816	
Dickinson	11301	6666	2380	1570	621	22	42	
Dubuque	69440	39335	20638	3666	4658	334	809	
Emmet	13173	7358	3436	1504	807	32	36	
Fayette	25440	14823	6574	2868	974	93	108	
Floyd	18874	10804	5088	1966	824	84	108	
Franklin	13951	8555	3252	1653	393	38	60	
Fremont	9362	5613	2263	692	750	12	32	
Greene	12961	8003	2922	1614	342	47	33	
Grundy	12709	8437	2659	1283	283	19	28	
Guthrie	12386	7821	2555	1566	391	27	26	
Hamilton	17887	10191	4798	2127	676	53	42	
Hancock	13003	8566	2725	1330	321	27	34	
Hardin	20386	11705	5127	2636	790	75	53	
Harrison	15812	9410	4089	1246	986	43	38	
Henry	16630	9588	3659	2036	818	55	474	
Howard	11411	7253	2377	1116	587	32	46	
Humboldt	11671	7005	2883	1454	264	36	29	
Ida	9246	5999	1946	973	272	27	29	
Iowa	14615	9901	2917	1318	332	30	117	
Jackson	18116	10921	4970	1528	534	51	112	
Jasper	31357	17537	9251	3057	1190	75	247	

Table 4. Residence in 1955 and 1960 of Those Five Years of Age or Older in Iowa Counties (continued).

County	Different House in 1960 Than in 1955:						
	Iowa in 1955 and 1960:				Iowa in 1960 But Different State in 1955	Iowa in 1960 But Abroad in 1955	Moved, Residence Unknown in 1955
	Persons 5+	Same House 1955 & 1960	Same County 1955 & 1960	Different County in 1960 Than 1955			
Jefferson	14320	7726	3764	1818	854	63	95
Johnson	47257	19021	10570	10094	6193	856	523
Jones	18476	10913	4206	2353	455	25	524
Keokuk	13968	9202	3011	1257	437	43	18
Kossuth	22228	13901	5345	1927	923	65	67
Lee	39639	23034	10926	1355	2775	79	1470
Linn	120185	56367	38083	13697	9190	786	2062
Louisa	9277	5485	2197	1109	358	36	92
Lucas	9985	5958	2405	1081	389	30	122
Lyon	12706	8477	2609	766	802	36	16
Madison	11136	6607	2925	1287	281	20	16
Mahaska	21367	11752	6299	2261	821	73	161
Marion	23392	12970	6433	2799	1047	85	58
Marshall	33937	17948	10353	3488	1841	184	123
Mills	11911	7353	2167	1463	841	15	72
Mitchell	12369	8304	2496	1006	492	34	37
Monona	12554	7703	3127	1062	529	35	98
Monroe	9465	6057	2184	896	261	5	62
Montgomery	13135	7518	3488	1401	653	15	60
Muscatine	30053	16822	8755	2378	1692	126	280
O'Brien	16687	10258	3872	1809	640	40	68
Osceola	8841	5764	1904	683	434	16	40
Page	19247	10516	5073	1826	1459	71	302
Palo Alto	13000	7940	3242	1371	372	40	35
Plymouth	21084	13258	4771	1848	1053	74	80
Pocahontas	12665	8422	2768	1063	258	47	107
Polk	235257	110067	79291	21507	19474	1275	3643
Pottawattamie	72735	35383	23275	4897	8351	377	452
Poweshiek	17263	9758	4003	2000	1367	33	102
Ringgold	7229	4770	1565	511	321	16	46
Sac	15188	9654	3725	1295	392	27	95
Scott	104698	50256	33298	6405	11826	647	2266
Shelby	13843	9380	2949	960	449	46	59
Sioux	23123	15448	5263	1239	1002	68	103
Story	43863	18445	9428	9134	5612	677	567
Tama	19194	12223	4390	1970	517	30	64
Taylor	9451	6219	2141	762	270	16	43
Union	12453	7236	3421	1280	435	36	45
Van Buren	8929	5833	1985	699	365	16	31
Wapello	41422	22599	13198	3240	1884	120	381
Warren	18376	8606	4675	3784	1115	68	128
Washington	17342	10715	4413	1559	557	50	48
Wayne	8999	5307	2154	1007	491	6	34
Webster	42111	23040	12468	4271	1801	107	424
Winnebago	11772	7162	2544	1324	706	29	7
Winneshiek	19100	11871	4260	1369	1414	116	70
Woodbury	95562	49696	29762	5628	8385	537	1554
Worth	9273	6223	1928	779	303	36	4
Wright	17310	10634	4064	1969	559	29	55
State of Iowa	2450313	1353557	672926	239850	148970	10820	24190

Table 5. Percentage Living in the Same House or the Same County As Five Years Earlier in Iowa Counties, 1960-1990.

County	Living in Same House As Five Years Earlier				Living in Same County as Five Years Earlier			
	1990	1980	1970	1960	1990	1980	1970	1960
Adair	65.6	64.1	63.3	69.6	84.7	83.2	85.4	88.6
Adams	67.9	65.6	63.5	63.2	81.6	85.7	75.8	88.0
Allamakee	67.5	64.8	68.9	66.8	87.0	85.8	87.6	89.0
Appanoose	61.6	56.1	58.9	64.9	83.4	82.9	76.8	87.7
Audubon	69.6	65.2	66.2	64.9	86.8	84.2	88.1	87.1
Benton	64.5	61.0	63.3	61.3	82.5	82.0	83.2	86.0
Black Hawk	55.3	51.9	54.2	46.3	82.1	80.5	80.3	82.3
Boone	60.3	55.9	63.5	61.4	81.9	80.0	79.3	83.8
Bremer	63.3	57.4	57.3	57.3	78.8	77.5	77.6	79.7
Buchanan	66.1	61.1	63.2	59.4	86.1	83.4	79.8	82.0
Buena Vista	57.3	54.3	58.5	57.6	75.8	75.8	79.4	82.1
Butler	70.1	65.1	63.7	63.2	88.1	85.9	83.1	85.5
Calhoun	65.9	61.8	65.5	65.3	82.7	80.2	82.4	86.4
Carroll	67.8	62.1	64.8	62.5	88.8	83.0	85.3	86.0
Cass	63.2	59.5	58.1	55.7	84.9	83.1	81.2	84.8
Cedar	65.0	58.3	61.4	60.8	83.5	77.9	80.3	84.1
Cerro Gordo	59.2	56.8	57.1	50.1	83.5	77.6	80.0	81.6
Cherokee	64.6	59.9	60.2	60.8	86.4	86.3	79.5	82.9
Chickasaw	71.5	66.7	67.6	67.5	88.5	87.0	86.1	89.4
Clarke	59.9	51.6	54.0	58.0	83.0	75.1	74.7	83.2
Clay	59.1	53.3	56.6	55.8	80.8	76.3	78.6	80.8
Clayton	70.4	67.3	66.3	66.8	87.8	86.7	86.2	88.9
Clinton	61.5	61.5	57.7	56.3	87.1	87.1	83.3	86.1
Crawford	63.7	58.4	65.3	64.1	85.0	82.4	84.0	88.0
Dallas	59.1	54.2	58.7	56.6	77.3	73.6	76.9	79.7
Davis	65.6	62.3	63.8	59.3	85.5	83.6	84.3	86.0
Decatur	55.4	48.6	59.8	54.5	77.1	71.1	73.0	79.2
Delaware	68.5	66.6	67.0	63.0	88.0	86.3	83.9	85.7
Des Moines	59.1	57.5	55.5	53.2	85.6	85.0	80.5	83.4
Dickinson	60.5	49.0	60.6	59.0	80.0	74.0	79.8	80.0
Dubuque	61.9	57.9	62.2	56.6	87.2	87.8	85.6	86.4
Emmet	63.7	56.8	62.4	55.9	82.4	82.5	82.2	81.9
Fayette	65.3	66.8	62.0	58.3	84.3	86.6	84.1	84.1
Floyd	63.2	62.5	59.5	57.2	84.9	83.2	83.3	84.2
Franklin	66.2	61.8	67.1	61.3	84.8	79.7	84.8	84.6
Fremont	64.7	63.5	60.7	60.0	83.5	79.9	83.7	84.1
Greene	66.9	57.9	64.5	61.7	85.2	81.1	86.3	84.3
Grundy	70.3	62.2	62.7	66.4	84.7	80.3	81.8	87.3
Guthrie	67.0	65.4	63.3	63.1	81.8	85.3	85.2	83.8
Hamilton	59.5	63.7	62.2	57.0	83.7	83.7	83.5	83.8
Hancock	66.2	57.9	68.8	65.9	84.6	81.5	86.2	86.8
Hardin	63.1	56.4	58.0	57.4	82.4	77.9	78.7	82.6
Harrison	64.6	60.7	59.2	59.5	83.8	83.5	85.2	85.4
Henry	56.1	51.3	51.8	57.7	77.1	76.2	76.4	79.7
Howard	68.1	70.3	67.4	63.6	85.1	88.3	86.0	84.4
Humboldt	66.8	59.4	58.6	60.0	86.7	82.7	80.4	84.7
Ida	69.1	64.4	65.8	64.9	86.8	83.3	85.8	85.9
Iowa	68.3	67.4	66.4	67.7	87.5	86.8	82.7	87.7
Jackson	68.4	61.5	61.5	60.3	88.6	86.7	84.2	87.7
Jasper	61.4	59.2	59.1	55.9	84.9	85.2	82.9	85.4

Table 5. Percentage Living in the Same House or the Same County As Five Years Earlier in Iowa Counties, 1960-1990 (continued).

County	Living in Same House As Five Years Earlier				Living in Same County as Five Years Earlier			
	1990	1980	1970	1960	1990	1980	1970	1960
Jefferson	55.0	47.6	56.2	54.0	78.6	73.9	77.2	80.2
Johnson	37.5	37.2	34.2	40.3	59.5	59.5	54.9	62.6
Jones	63.9	59.7	56.7	59.1	80.7	83.3	78.0	81.8
Keokuk	70.4	63.0	64.2	65.9	86.1	86.9	82.7	87.4
Kossuth	70.5	64.4	67.3	62.5	88.3	86.0	88.7	86.6
Lee	60.6	56.8	59.7	58.1	87.5	82.4	82.7	85.7
Linn	54.7	50.3	49.5	46.9	82.6	81.3	77.7	78.6
Louisa	66.5	60.7	58.7	59.1	82.3	80.1	79.0	82.8
Lucas	63.5	55.5	62.7	59.7	85.3	80.3	81.2	83.8
Lyon	71.8	66.8	70.1	66.7	86.9	85.6	86.5	87.3
Madison	60.6	57.2	60.5	59.3	78.8	77.9	78.7	85.6
Mahaska	60.4	52.5	60.9	55.0	81.9	78.0	80.4	84.5
Marion	56.7	54.0	57.4	55.4	79.5	80.3	77.2	82.9
Marshall	62.1	54.9	54.0	52.9	85.5	82.6	78.9	83.4
Mills	59.6	57.9	66.4	61.7	77.3	78.5	82.8	79.9
Mitchell	66.1	65.9	65.2	67.1	87.2	84.9	84.2	87.3
Monona	62.9	60.0	63.9	61.4	84.8	85.0	81.2	86.3
Monroe	65.0	58.9	67.8	64.0	87.0	80.3	83.8	87.1
Montgomery	61.2	56.8	62.7	57.2	81.8	80.4	80.6	83.8
Muscatine	60.3	53.3	50.6	56.0	85.5	81.0	77.6	85.1
O'Brien	65.1	63.6	66.5	61.5	83.9	82.2	83.5	84.7
Osceola	69.8	59.3	71.7	65.2	87.6	83.3	89.3	86.7
Page	62.6	55.8	58.3	54.6	83.1	79.6	80.5	81.0
Palo Alto	65.5	59.7	65.2	61.1	84.8	81.4	84.8	86.0
Plymouth	65.8	61.9	64.1	62.9	84.2	83.8	81.5	85.5
Pocahontas	70.7	67.1	68.0	66.5	85.3	85.7	84.4	88.4
Polk	49.1	51.2	51.8	46.8	79.6	80.3	78.2	80.5
Pottawattamie	60.1	57.1	56.3	48.6	86.0	85.9	80.4	80.6
Poweshiek	57.3	57.1	58.3	56.5	78.4	77.7	77.1	79.7
Ringgold	67.7	65.2	70.5	66.0	85.2	85.1	88.0	87.6
Sac	68.1	63.9	65.1	63.6	84.8	83.5	82.9	88.1
Scott	53.7	50.1	50.0	48.0	81.4	78.5	75.3	79.8
Shelby	68.2	69.5	65.2	67.8	86.4	86.8	84.5	89.1
Sioux	64.2	59.4	64.0	66.8	84.3	81.4	85.4	89.6
Story	39.1	33.3	37.8	42.1	58.4	54.4	57.0	63.5
Tama	68.2	63.8	67.7	63.7	85.6	85.8	85.2	86.6
Taylor	65.6	60.1	69.0	65.8	84.6	81.1	85.2	88.5
Union	60.7	55.8	49.7	58.1	85.1	76.7	76.8	85.6
Van Buren	62.7	64.3	65.4	65.3	84.1	84.6	79.2	87.6
Wapello	59.5	59.1	61.0	54.6	84.0	84.0	84.4	86.4
Warren	59.1	52.0	52.5	46.8	75.6	71.5	67.9	72.3
Washington	64.2	59.4	58.7	61.8	83.9	81.8	80.7	87.2
Wayne	64.7	63.3	67.3	59.0	83.2	85.3	84.2	82.9
Webster	58.5	58.2	58.0	54.7	84.4	84.3	82.0	84.3
Winnebago	65.3	60.0	59.0	60.8	81.6	80.9	75.3	82.4
Winneshiek	59.9	59.8	62.4	62.2	79.4	80.4	78.8	84.5
Woodbury	55.5	55.7	56.6	52.0	82.7	84.4	81.2	83.1
Worth	72.3	61.0	59.1	67.1	85.5	78.5	78.9	87.9
Wright	66.1	60.2	62.0	61.4	85.9	81.5	83.0	84.9
State of Iowa	58.2	55.6	57.1	55.2	81.6	80.5	79.5	82.7

Of those moving to Iowa between 1985 and 1990, more had arrived from another midwestern state (107,686; 55.4%) than other states (86,612; 44.6%). The U.S. Bureau of the Census includes the following states in its midwest region: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. Similar results occurred in previous decades, with 61.5% (1980) and 63.5% (1970) of those moving to Iowa from other states entering from the midwest region. Sixty-two counties also had more moving in from the midwest than elsewhere as of 1990. Eight (Dubuque, Johnson, Polk, Pottawattamie, Scott, Story, Winneshiek, Woodbury) had at least 1,000 more moving in from midwestern states than others. Of the 37 counties with more coming from non-midwest states, only Black Hawk and Jefferson had at least 400 more from states outside the region than the 12 states in the midwest.

Relatively few Iowans in 1990 had lived abroad as of 1985. This was true in previous censuses as well. The number ranged from 10,820 in the 1960 census to 18,368 in the 1980 count. The high point in 1980 probably reflects efforts taken in the early 1970s to encourage resettlement of southeast Asians in this state. Increases in international students coming to Iowa, as evidenced by the large numbers in Johnson and Story counties, kept the total who had lived abroad five years earlier from dropping even more than the 1,065 noted between the 1980 and 1990 censuses.

Note: Information on those living in Iowa in 1985 but not in 1990 will be reported later by the U.S. Bureau of the Census. State-by-state tabulations will be released indicating the origins and destinations of those living in different places in 1985 and 1990.

Food Stamps in Iowa's Counties:

1980-1991

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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 both persons and households in the program were calculated for each year from 1980 through 1991; numbers from monthly reports were summed and divided by 12. Through this period, the federal government has made changes in the eligibility requirements for the food stamp program. Such changes have some effect on year-to-year comparisons.

Households Receiving Food Stamps

An average of 73,113 Iowa households received food stamps each month in 1991 (Table 1). This was an increase of more than 4,000 from the 1990 figure and continued the upward trend that began in 1989. More than 75,000 households received food stamps monthly from 1983 through 1987. The lowest monthly average (57,449) was in 1980.

Polk averaged 10,006 households receiving food stamps each month in 1991, the highest of any county. Other counties with more than 2,000 food stamp households were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury. These six highest counties accounted for 42% of Iowa's average monthly food stamp households that year. Twenty-three counties had 500 to 1,999 households receiving food stamps, while 69 counties averaged 100 to 499 households monthly. One county (Osceola, 96) had fewer than 100 households getting food stamps each month.

Most counties (84) also averaged more households in the program in 1991 than in 1990. Eight (Johnson, Linn, Marshall, Polk, Pottawattamie, Scott, Webster, Woodbury) increased by more than 100 households. Of the 14 counties with fewer households in the program in 1991 than in 1990, the largest decrease was in Black Hawk (-82); no other decline was greater than 30.

A comparison of 1981 with 1991 indicates that Iowa averaged 8,475 more households in the program at the end of the period than at the beginning. Likewise, 79 counties also had higher averages in 1991 than in 1981. Scott gained by an average of 1,882 households, the highest increase of any county. Clinton was the only other county to increase by an average of 500 or more households. Twenty-four counties added 100 to 499 households, while 53 counties increased by fewer than 100 households. Nineteen counties had fewer food stamp households in 1991 than in 1981. Black Hawk, Clayton, Dubuque, and Jasper were the only ones that decreased more than 100 households.

An examination of the 12 years of data reveals that the mid-decade marked the high point of household participation in the food stamp program for the state and for most of the counties as well. Iowa's average number of food stamp households in 1991, although higher than 1980, was significantly lower than the 1983-1987 period. Most of the counties followed the state trend. 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 increased in 1985 and 1986. These trends reversed after 1986. A large majority of the counties registered decreases in the number of households receiving food stamps through 1987, 1988, and 1989. But the 1990 and 1991 figures indicate a return to increases in the state and most counties in these household numbers.

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1991.

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

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

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	464	447	399	427	539	644	667	587	592	469	403	344
Adams	395	379	340	376	522	522	460	282	274	197	222	241
Allamakee	609	560	594	722	841	965	888	832	813	785	721	724
Appanoose	1742	1677	1753	1870	2006	2211	2211	2263	2311	1944	1591	1542
Audubon	334	323	308	342	428	479	457	330	334	313	332	302
Benton	1268	1269	1139	1166	1363	1408	1405	1454	1582	1421	1104	901
Black Hawk	12002	11989	12398	13194	15165	16031	15262	15476	14359	12272	11236	10016
Boone	1412	1196	1246	1301	1417	1559	1530	1580	1859	1639	1382	1256
Bremer	836	779	760	934	1258	1514	1365	1214	1116	970	841	630
Buchanan	1515	1434	1473	1709	2081	2329	2200	2062	2071	1582	1387	1103
Buena Vista	929	795	766	813	913	999	874	885	940	929	739	547
Butler	809	789	793	906	1147	1331	1206	1038	1019	803	718	603
Calhoun	624	585	566	639	807	862	742	595	617	577	565	553
Carroll	862	869	894	851	1030	1124	1090	944	931	902	803	699
Cass	892	830	781	755	876	992	986	851	891	859	887	741
Cedar	814	783	764	804	943	971	903	823	856	819	692	696
Cerro Gordo	2988	2821	2678	2707	2935	3123	2877	2810	3186	2915	2772	2558
Cherokee	556	523	509	552	693	768	683	622	646	580	506	483
Chickasaw	564	571	590	717	982	1102	1017	937	930	699	610	497
Clarke	749	678	618	713	808	847	803	727	771	733	561	511
Clay	1037	978	970	1036	1238	1338	1309	1187	1188	1068	992	861
Clayton	803	853	936	1022	1237	1481	1465	1399	1548	1274	1101	983
Clinton	4257	4089	3935	4003	4492	5013	5158	4688	4549	3664	2720	2413
Crawford	1029	1021	942	975	1024	1047	985	968	1049	870	704	618
Dallas	1474	1400	1345	1366	1582	1806	1882	1790	1839	1480	1290	1162
Davis	601	617	680	790	912	958	907	896	923	692	582	551
Decatur	918	850	833	883	900	978	909	858	838	761	708	648
Delaware	914	984	1074	1240	1595	1837	1754	1530	1597	1324	1227	1112
Des Moines	3483	3348	3215	3142	3321	3547	3658	3666	3919	3550	3396	3025
Dickinson	616	570	636	642	642	650	684	694	774	708	630	579
Dubuque	4422	4528	4705	5214	6217	6867	7048	7311	7728	6174	5139	4383
Emmet	823	810	770	777	897	1027	946	840	957	793	649	625
Fayette	1628	1495	1529	1684	1960	2223	2137	1833	1984	1510	1170	977
Floyd	1238	1216	1173	1214	1432	1542	1553	1500	1715	1445	1243	1158
Franklin	624	592	550	552	625	703	599	590	665	603	545	495
Fremont	567	544	564	554	590	617	587	544	529	449	443	449
Greene	599	511	475	500	582	677	740	699	735	674	601	552
Grundy	440	384	388	374	457	489	507	477	526	388	342	292
Guthrie	707	595	630	720	868	930	883	811	870	802	726	631
Hamilton	943	789	764	858	954	960	880	829	932	906	951	933
Hancock	637	631	538	573	669	730	620	516	681	632	536	569
Hardin	1097	975	951	1056	1109	1127	954	841	885	862	784	645
Harrison	1212	1129	1124	1120	1187	1207	1258	1229	1268	1122	945	906
Henry	1120	990	889	820	851	954	1027	996	1062	896	820	796
Howard	501	535	556	593	774	918	841	782	761	550	472	486
Humboldt	538	527	506	597	660	679	668	579	575	501	548	477
Ida	307	222	215	248	308	353	305	269	281	292	231	236
Iowa	432	403	352	389	489	540	519	408	467	472	394	355
Jackson	1451	1416	1443	1643	1961	2194	1970	1860	1834	1501	1150	1073
Jasper	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, 1980-1991 (continued).

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

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	5.5	5.3	4.7	5.0	6.3	7.4	7.4	6.3	6.4	5.0	4.2	3.6
Adams	8.1	7.8	7.0	7.1	9.7	9.9	8.4	5.0	4.9	3.5	3.9	4.2
Allamakee	4.4	4.0	4.3	4.8	5.6	6.4	5.8	5.4	5.3	5.2	4.8	4.8
Appanoose	12.7	12.2	12.8	13.1	14.0	15.5	15.1	15.3	15.4	12.8	10.3	9.9
Audubon	4.6	4.4	4.2	4.5	5.6	6.1	5.6	3.9	4.0	3.7	3.9	3.5
Benton	5.7	5.7	5.1	5.1	6.0	6.2	6.1	6.3	6.8	6.1	4.7	3.8
Black Hawk	9.7	9.7	10.0	10.6	12.1	12.6	11.6	11.4	10.5	8.9	8.1	7.3
Boone	5.6	4.7	4.9	5.1	5.6	6.1	5.9	6.1	7.1	6.3	5.3	4.8
Bremer	3.7	3.4	3.3	4.0	5.4	6.4	5.6	4.9	4.5	3.9	3.4	2.5
Buchanan	7.3	6.9	7.1	7.8	9.6	10.7	9.8	9.0	8.9	6.8	6.0	4.8
Buena Vista	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	5.1	5.0	5.0	5.6	7.0	8.0	7.1	6.0	5.9	4.6	4.1	3.4
Calhoun	5.4	5.1	4.9	5.3	6.7	7.1	5.9	4.6	4.7	4.3	4.2	4.1
Carroll	4.0	4.1	4.2	3.8	4.6	5.0	4.8	4.1	4.1	4.0	3.5	3.0
Cass	5.9	5.5	5.2	4.9	5.6	6.2	5.9	5.0	5.2	5.1	5.2	4.4
Cedar	4.7	4.5	4.4	4.4	5.2	5.3	4.8	4.4	4.5	4.4	3.7	3.7
Cerro Gordo	6.4	6.0	5.7	5.6	6.1	6.4	5.9	5.8	6.6	6.0	5.7	5.3
Cherokee	3.9	3.7	3.6	3.8	4.7	5.1	4.4	3.9	4.0	3.6	3.1	3.0
Chickasaw	4.2	4.3	4.4	5.0	6.8	7.4	6.7	6.1	6.0	4.5	3.9	3.2
Clarke	9.0	8.2	7.5	8.1	9.3	9.8	9.3	8.3	8.8	8.2	6.5	5.9
Clay	5.9	5.6	5.5	5.9	7.0	7.4	7.0	6.2	6.1	5.5	5.1	4.4
Clayton	4.2	4.5	4.9	5.1	6.1	7.3	7.0	6.6	7.3	6.1	5.2	4.7
Clinton	8.3	8.0	7.7	7.6	8.5	9.4	9.4	8.5	8.1	6.5	4.8	4.2
Crawford	6.1	6.1	5.6	5.3	5.6	5.7	5.2	5.0	5.4	4.6	3.7	3.3
Dallas	5.0	4.7	4.5	4.5	5.3	6.1	6.3	6.0	6.2	5.0	4.4	3.9
Davis	7.2	7.4	8.2	9.1	10.4	10.8	10.1	9.8	10.1	7.6	6.3	6.1
Decatur	11.0	10.2	10.0	10.3	10.3	11.0	10.0	9.2	8.9	7.8	7.2	6.6
Delaware	5.1	5.5	6.0	6.7	8.5	9.8	9.1	7.9	8.4	7.0	6.5	5.9
Des Moines	8.2	7.9	7.5	7.1	7.5	8.0	8.2	8.1	8.7	7.8	7.3	6.5
Dickinson	4.1	3.8	4.3	4.2	4.3	4.3	4.4	4.5	5.0	4.6	4.0	3.7
Dubuque	5.1	5.2	5.4	5.7	6.9	7.6	7.7	7.9	8.4	6.6	5.5	4.7
Emmet	7.1	7.0	6.7	6.7	7.7	8.7	7.6	6.6	7.5	6.1	4.9	4.7
Fayette	7.5	6.8	7.0	7.5	8.6	9.5	8.8	7.4	7.9	6.0	4.6	3.8
Floyd	7.3	7.1	6.9	6.7	7.9	8.4	8.1	7.8	8.8	7.5	6.4	5.9
Franklin	5.5	5.2	4.8	4.7	5.2	5.7	4.8	4.6	5.2	4.7	4.2	3.8
Fremont	6.9	6.6	6.9	6.3	6.6	6.9	6.5	5.9	5.7	4.9	4.8	4.8
Greene	6.0	5.1	4.7	4.7	5.3	6.1	6.4	6.0	6.2	5.7	5.0	4.6
Grundy	3.7	3.2	3.2	2.9	3.6	3.7	3.7	3.5	3.8	2.7	2.4	2.0
Guthrie	6.5	5.4	5.8	6.5	7.9	8.2	7.7	7.0	7.6	6.9	6.1	5.3
Hamilton	5.9	4.9	4.8	5.1	5.6	5.6	5.1	4.8	5.3	5.1	5.3	5.2
Hancock	5.0	5.0	4.3	4.3	5.1	5.5	4.5	3.7	5.0	4.6	3.9	4.1
Hardin	5.7	5.1	5.0	5.3	5.5	5.4	4.5	3.9	4.1	4.0	3.6	3.0
Harrison	8.2	7.7	7.6	7.0	7.5	7.6	7.9	7.6	7.8	6.9	5.8	5.5
Henry	5.8	5.1	4.6	4.4	4.5	5.1	5.6	5.4	5.7	4.8	4.4	4.2
Howard	5.1	5.5	5.7	5.6	7.3	8.6	7.7	7.0	6.9	5.0	4.3	4.4
Humboldt	5.0	4.9	4.7	5.3	5.8	5.9	5.6	4.8	4.8	4.1	4.5	3.9
Ida	3.7	2.7	2.6	2.9	3.6	4.0	3.4	3.0	3.2	3.3	2.6	2.7
Iowa	3.0	2.8	2.4	2.6	3.3	3.6	3.4	2.7	3.1	3.1	2.6	2.3
Jackson	7.3	7.1	7.2	7.6	9.0	10.0	8.8	8.3	8.2	6.7	5.1	4.8
Jasper	4.9	4.4	4.3	4.5	5.3	6.1	6.2	6.5	7.2	6.7	6.0	5.0

*1989 and 1991 percentages were calculated with 1990 population counts; 1989 and 1991 population estimates were not available when these computations were completed.

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1991
(continued).

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	7.3	6.7	6.4	6.0	11.2	6.8	6.8	7.0	7.3	6.9	5.7	5.1
Johnson	2.6	2.4	2.2	2.4	2.5	2.5	2.4	2.4	2.6	2.6	2.4	2.1
Jones	4.7	4.3	4.7	5.0	6.0	6.6	6.2	5.9	6.5	5.9	5.1	4.5
Keokuk	8.4	7.8	7.3	7.1	8.0	8.9	7.6	6.7	6.7	5.5	5.3	4.8
Kossuth	4.8	4.2	4.1	4.1	5.0	5.3	4.3	3.5	4.0	3.8	3.5	2.9
Lee	8.8	8.1	8.0	8.0	8.8	9.2	9.1	9.2	9.6	8.4	7.1	6.1
Linn	6.1	5.6	5.4	5.7	6.5	7.0	7.0	7.2	7.7	6.9	6.1	5.1
Louisa	7.4	6.4	6.1	6.3	7.2	8.0	7.6	8.0	8.0	6.7	6.2	6.1
Lucas	8.8	8.1	8.0	8.1	9.1	10.2	10.4	10.1	10.4	9.2	8.1	7.8
Lyon	3.3	3.4	3.4	3.7	4.6	5.1	4.7	4.0	4.0	3.6	2.9	2.3
Madison	5.0	4.4	4.6	4.4	5.2	6.0	5.9	5.7	6.2	5.3	4.3	3.7
Mahaska	8.0	7.6	7.3	6.9	8.2	9.0	8.8	8.6	9.3	8.1	7.0	6.2
Marion	4.9	4.5	4.4	4.8	5.6	6.2	6.0	6.2	6.5	5.2	4.5	4.4
Marshall	7.1	6.5	6.3	6.3	7.0	6.9	6.6	6.7	6.8	6.0	5.1	4.5
Mills	6.6	5.7	5.0	5.3	6.1	6.0	5.7	5.7	6.3	5.8	5.1	4.4
Mitchell	3.9	3.5	3.7	4.2	4.6	5.0	5.0	4.5	5.4	5.0	4.4	3.7
Monona	9.0	8.2	8.1	7.7	9.2	10.3	8.9	8.0	8.3	8.1	6.4	6.1
Monroe	9.5	9.7	10.1	10.9	11.5	12.5	10.3	9.6	9.4	7.8	6.3	5.7
Montgomery	6.2	5.4	5.3	5.0	5.7	5.9	6.1	5.4	5.8	5.3	4.6	4.0
Muscatine	8.6	8.2	7.7	7.5	8.6	8.7	8.5	7.7	7.9	7.0	6.4	6.6
O'Brien	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	3.6	3.2	3.4	3.7	5.1	6.5	5.5	3.7	3.7	3.0	2.5	2.4
Page	8.1	7.3	7.4	7.3	7.7	8.2	7.9	7.1	7.5	6.4	5.5	4.8
Palo Alto	6.2	5.9	5.5	5.6	7.1	7.7	7.2	6.4	7.0	6.6	5.8	5.5
Plymouth	2.9	3.0	3.3	3.7	4.4	5.1	4.7	4.1	4.1	3.7	3.5	3.0
Pocahontas	5.5	4.4	3.7	3.7	5.1	5.7	4.7	4.2	4.6	4.1	3.6	3.4
Polk	7.5	6.8	6.5	6.5	7.0	7.6	7.9	8.4	9.5	8.6	8.0	7.1
Pottawattamie	9.2	8.1	7.5	6.8	6.9	7.0	7.1	7.4	8.5	8.2	7.9	7.4
Poweshiek	4.7	4.1	3.5	3.9	4.8	5.6	5.7	5.0	5.1	4.3	3.8	3.3
Ringgold	8.9	8.6	8.6	10.0	11.3	10.2	10.7	9.2	8.5	6.9	6.2	6.1
Sac	4.9	4.5	4.4	4.2	5.0	5.5	5.1	5.1	4.8	4.3	3.2	2.8
Scott	9.9	9.3	8.9	8.9	9.5	9.5	9.3	9.2	9.2	7.8	6.3	5.7
Shelby	4.5	4.0	3.3	3.6	4.5	4.6	4.3	4.1	4.1	3.6	3.0	2.9
Sioux	2.4	2.6	2.9	2.9	3.6	4.0	3.2	2.9	3.0	2.8	2.4	2.4
Story	2.8	2.6	2.5	2.5	2.9	2.8	2.9	2.9	3.2	2.8	2.5	2.2
Tama	5.8	5.0	4.7	5.0	6.2	6.4	6.0	5.9	6.0	5.2	5.4	4.8
Taylor	7.9	7.7	7.3	7.0	8.6	9.9	9.7	8.6	8.4	7.0	6.3	6.6
Union	9.0	8.6	8.4	8.1	8.9	9.5	9.6	9.0	8.2	6.5	6.3	5.5
Van Buren	7.5	7.1	6.9	7.5	8.2	8.8	8.4	8.5	8.5	6.9	5.9	5.9
Wapello	11.8	11.0	11.1	12.0	13.6	13.8	11.5	11.2	11.5	9.3	8.3	7.4
Warren	4.5	4.1	4.0	3.9	4.2	4.7	4.9	4.7	4.9	4.2	4.0	3.5
Washington	4.8	4.6	4.5	4.6	5.0	5.0	4.4	3.7	3.4	3.3	3.2	2.9
Wayne	8.9	8.9	8.5	9.8	10.3	11.1	11.1	10.2	9.5	8.3	6.7	6.6
Webster	9.3	8.7	8.6	8.4	9.3	9.7	8.7	8.4	8.7	7.7	6.8	6.1
Winnebago	4.3	3.9	3.3	3.1	3.7	4.0	3.6	3.4	3.9	3.8	3.8	3.3
Winneshiek	3.4	3.4	3.6	4.0	4.9	5.6	5.2	4.4	4.3	3.8	3.9	3.4
Woodbury	8.5	7.8	7.4	7.8	9.3	9.0	8.8	8.8	8.7	8.0	7.5	7.1
Worth	5.2	5.1	4.4	4.7	5.7	5.9	5.3	5.5	6.2	5.7	5.2	4.7
Wright	5.6	5.1	4.4	4.4	5.2	5.8	5.5	5.0	5.4	4.9	4.9	4.9
State of Iowa	6.6	6.2	6.0	6.2	7.0	7.4	7.1	7.0	7.3	6.4	5.7	5.1

Persons Receiving Food Stamps

In 1991, Iowa had an average of 183,856 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 12 years was 148,268 in 1980 (Figure 1).

Polk averaged more monthly food stamp recipients (24,392) in 1991 than any other county. Five other counties (Black Hawk, Linn, Pottawattamie, Scott, Woodbury) had more than 5,000 persons receiving food stamps monthly that year. Thirty-two counties averaged from 1,000 to 4,999 recipients monthly, 49 counties ranged from 500 to 999 persons, with the remaining 12 counties averaging fewer than 500.

The average number of persons receiving food stamps in the state was 11,876 higher in 1991 than in 1990. Eighty-six counties followed this trend as well, with more persons in the program in the later year. The only increase over 1,000 occurred in Polk; Linn, Pottawattamie, Scott, and Woodbury reported from 500 to 999 more recipients in the most recent year. Dubuque led the 13 counties that decreased between the two years, although it was the only county to average at least 100 fewer food stamp recipients in 1991 than 1990.

Comparing 1981 and 1991, Iowa had an average of 18,483 more persons in the food stamp program at the end of the period. Seventy-four counties also followed this trend. Clinton and Scott were the only counties to gain more than 1,000. Forty-seven counties averaged from 100 to 999 more food stamp recipients, while 25 counties increased by fewer than 100 persons monthly. Dubuque led the 25 counties with fewer average recipients in 1991 than 1981.

A review of the entire period indicates, once again, that the highest food stamp usage was in the mid-years of the decade. A majority of counties, as well as the state, showed consistent increases 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 decreased in the years 1987 through 1989, although gains again occurred in most counties from 1989 to 1991.

Percentage of the Population Receiving Food Stamps

An average of 6.6% of Iowa's population received food stamps each month during 1991 (Table 3). The highest proportions of Iowans receiving food stamps during the period occurred in 1983 (7.3%) and 1986 (7.4%).

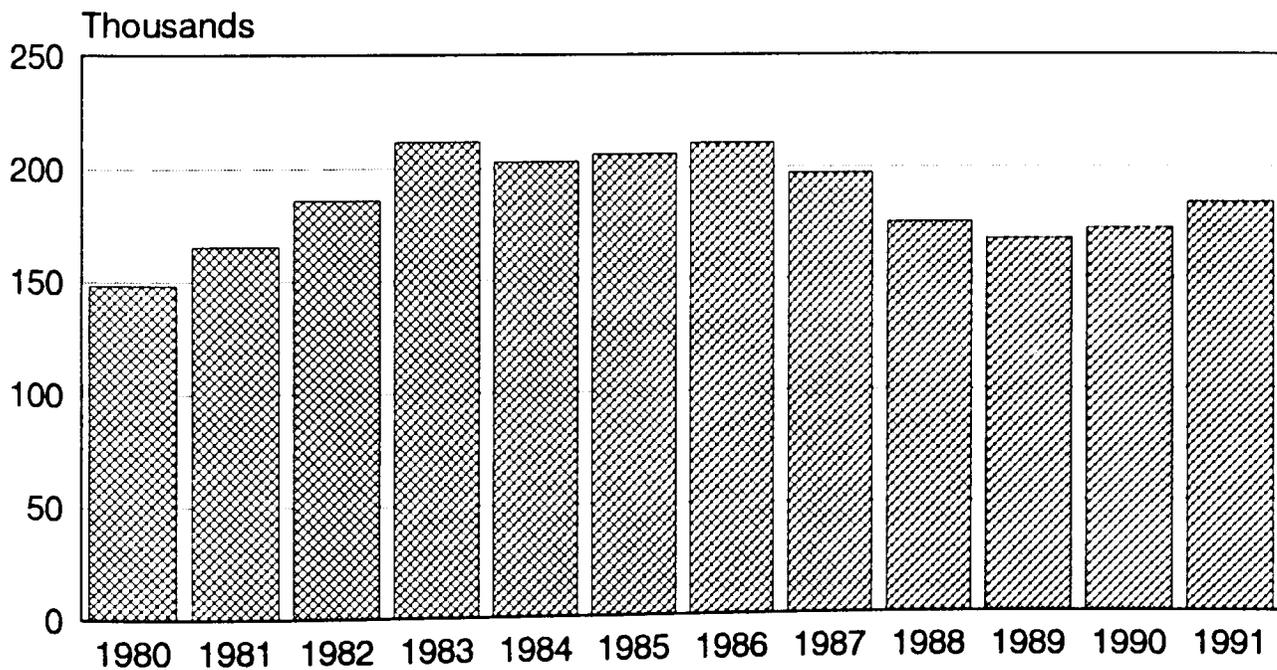
In 1991, 61 counties averaged a lower percentage of residents receiving food stamps than did the state. Johnson, Plymouth, Sioux, and Story each had less than 3% of its population in the food stamp program. Thirty-seven counties in 1991 had a higher proportion of residents receiving food stamps than the state total. Three (Appanoose, Decatur, Wapello) had more than 10.0% of their populations in the program with the highest percentage at 12.7% in Appanoose (Figure 2).

A majority of the counties (82) had a higher proportion of their population in the food stamp program in 1991 than in 1990. For 11 counties, the proportion of persons receiving food stamps was lower at the end of the period than the beginning. The percentage point increases and decreases were small, however, with none as great as 1.2 points. For 86 counties, the percentage of residents in the program was higher in 1991 than in 1981. Increases of at least 2.0 percentage points occurred in 25 counties.

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 12 years examined. Comparing 1986 with both 1980 and 1991 illustrates the high level of food stamp use in Iowa in the middle of the period. In 1980, for example, 15 counties had less than 3% of their population receiving food stamps. For 1991, there were four counties with this low level of participation. In contrast, in 1986, only two counties (Johnson, Story) were that low. At the other extreme, none of the counties had 10% or more of its residents receiving food stamps in 1980, although there were three counties at that level in 1991. In 1986, however, 12 counties had 10%

or more of their population in the program. In that year, Appanoose county had 15.5% of its residents receiving food stamp assistance. That was the highest monthly average for any county during the period.

Figure 1. Average number of persons receiving food stamps in Iowa, 1980-1991.



Aid to Families With Dependent Children in Iowa's Counties: 1980-1991

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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.

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 was begun in Iowa in 1982, in this report the data for that program start 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 32,000 regular AFDC cases monthly for each year from 1980 to 1991 (Table 1). The highest monthly average was 36,129 in 1981 followed by 35,518 in 1980. The 1991 average of 33,515 was 1,270 cases higher than the 1980-1991 low, which occurred in 1989.

In 1991, six counties (Adair, Adams, Audubon, Ida, Lyon, Osceola) averaged fewer than 50 cases each month. Six others (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) recorded averages above 1,000, with Polk's 5,348 the highest.

The increase of 1,256 regular AFDC cases from 1990 to 1991 was exceeded only by the gain of 1,560 between 1982 and 1983. Two-thirds (68) of Iowa's counties had increases between 1990 and 1991; three (Polk, Pottawattamie, Scott) gained at least 100 cases between the two years. Forty counties reported fewer than 10 additional cases in 1991 than in 1990. Only four of the 28 counties with declines from 1990 to 1991 dropped by more than 10 cases (Black Hawk, Davis, Delaware, Dubuque).

A ten-year comparison (1981-1991) reveals that Iowa had 2,614 fewer regular cases at the end of the period than at the beginning. Recall that 1981 had the highest average reported for any year, however; the decline from 1981 to 1991 must be interpreted with caution. Eighty counties had fewer cases in 1991 than in 1981. Pottawattamie's average caseload was down the most (-355). Seven other counties (Black Hawk, Cerro Gordo, Dubuque, Jasper, Linn, Polk, Woodbury) declined by more than 100. Forty-three counties showed decreases of 20 through 78 cases with 29 counties dropping by less than 20. Seventeen counties averaged more regular cases monthly in 1991 than in 1981. The largest increase was 574 in Scott followed by a gain of 186 in Clinton. The other 15 counties that increased averaged from 1 to 60 more cases monthly in 1991 than they had in 1981. Two counties (Mitchell, Monona) averaged the same number of cases both years.

Table 1. Average Monthly Number of Regular AFDC Cases in Iowa Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	49	46	39	48	56	69	66	64	60	51	66	66
Adams	43	36	39	43	52	46	40	30	27	22	33	35
Allamakee	67	72	79	87	93	105	108	110	109	126	145	144
Appanoose	297	300	322	326	301	301	307	328	328	304	306	306
Audubon	42	36	33	37	43	47	47	37	37	40	55	59
Benton	216	225	199	209	231	217	207	207	197	198	206	182
Black Hawk	2526	2550	2703	2743	2893	2972	2888	2907	2682	2538	2752	2728
Boone	228	209	229	239	251	263	260	262	275	269	285	285
Bremer	131	122	124	140	162	180	174	181	157	151	180	168
Buchanan	248	236	245	257	289	280	282	269	256	248	273	260
Buena Vista	137	127	130	144	151	166	153	150	146	149	172	162
Butler	131	122	115	121	121	128	131	120	118	98	123	124
Calhoun	86	79	93	100	106	99	93	98	95	97	119	114
Carroll	122	114	122	117	128	116	109	110	105	110	132	131
Cass	138	137	134	129	133	142	141	140	133	138	188	173
Cedar	121	122	118	115	128	116	118	105	110	126	151	160
Cerro Gordo	539	539	534	547	567	558	527	525	540	566	656	627
Cherokee	97	86	89	92	115	116	108	105	107	104	137	138
Chickasaw	73	80	90	89	106	106	98	98	94	74	93	101
Clarke	90	97	90	100	105	105	94	97	105	103	107	97
Clay	159	154	172	184	195	201	198	194	189	179	208	189
Clayton	109	102	119	124	121	132	134	139	141	140	153	159
Clinton	866	834	823	813	831	822	808	752	728	656	680	643
Crawford	166	162	162	162	163	169	154	156	156	132	147	166
Dallas	276	275	286	283	309	323	319	335	322	267	305	290
Davis	85	100	101	99	94	88	99	98	89	83	86	84
Decatur	114	104	100	102	104	112	105	101	99	103	120	118
Delaware	119	131	146	169	178	177	167	159	155	156	181	171
Des Moines	685	674	652	652	679	698	724	699	663	645	741	657
Dickinson	91	91	107	112	113	109	114	119	126	122	140	147
Dubuque	749	769	804	865	918	963	971	1011	996	936	968	890
Emmet	106	115	117	125	146	153	142	128	127	131	147	146
Fayette	236	203	201	200	206	213	213	213	208	198	227	227
Floyd	191	200	209	196	214	214	202	208	208	207	225	210
Franklin	79	84	92	90	89	92	82	85	83	85	110	126
Fremont	87	84	95	96	97	98	95	84	78	72	96	102
Greene	83	82	83	92	92	106	93	94	94	94	117	112
Grundy	67	63	60	57	60	58	65	64	68	59	76	73
Guthrie	108	93	99	110	121	105	105	100	97	96	116	127
Hamilton	132	117	123	138	156	138	131	152	157	153	171	175
Hancock	73	80	82	82	82	78	78	81	81	83	101	101
Hardin	174	165	162	172	171	168	160	171	171	175	202	194
Harrison	156	150	156	168	170	161	176	183	179	168	205	224
Henry	169	165	165	157	144	156	170	174	174	152	172	177
Howard	50	54	67	64	71	78	78	81	73	58	69	72
Humboldt	64	65	75	94	95	91	86	72	72	77	104	102
Ida	42	29	35	42	50	49	46	33	36	36	43	46
Iowa	69	73	64	71	80	76	71	63	68	65	79	82
Jackson	222	220	215	234	249	244	241	242	242	223	212	203
Jasper	300	291	300	319	359	400	415	403	401	387	438	408

Table 1. Average Monthly Number of Regular AFDC Cases in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	175	169	166	151	166	148	149	154	171	172	185	195
Johnson	465	455	449	464	483	476	452	449	427	419	500	469
Jones	136	145	159	184	198	208	197	191	183	189	207	193
Keokuk	145	137	139	126	126	119	102	95	91	83	106	106
Kossuth	119	116	101	108	110	110	99	94	110	121	151	152
Lee	704	663	640	659	709	707	685	692	692	648	690	633
Linn	1996	1924	1917	2017	2208	2281	2272	2299	2232	2117	2212	2100
Louisa	151	135	132	145	157	155	150	153	148	145	167	182
Lucas	130	122	123	128	132	143	143	147	137	136	143	159
Lyon	38	42	45	52	49	48	49	50	47	46	52	49
Madison	103	95	103	103	104	105	98	99	100	88	100	105
Mahaska	278	274	277	274	296	299	279	279	272	258	308	309
Marion	237	230	228	228	252	258	262	276	272	247	288	297
Marshall	481	455	452	444	458	438	418	447	424	421	473	485
Mills	136	137	137	144	149	138	142	134	127	127	167	171
Mitchell	59	48	54	62	59	61	57	57	59	52	59	63
Monona	134	125	117	129	130	134	119	117	117	124	134	136
Monroe	123	123	130	139	131	131	123	108	108	101	108	104
Montgomery	139	124	118	118	140	151	144	137	134	129	142	147
Muscatine	623	615	618	619	669	688	666	626	600	577	614	604
O'Brien	71	65	68	83	89	85	78	75	78	69	93	95
Osceola	30	28	32	32	32	40	37	34	32	30	36	46
Page	209	208	220	222	218	223	222	212	212	186	222	222
Palo Alto	66	68	71	75	77	92	101	93	97	96	113	122
Plymouth	108	98	110	111	118	124	124	121	119	105	140	144
Pocahontas	67	60	51	55	60	61	71	69	66	65	76	73
Polk	5348	4919	4717	4805	4850	5013	5159	5288	5240	4955	5458	5293
Pottawattamie	1505	1393	1354	1398	1417	1410	1431	1488	1542	1556	1860	1885
Poweshiek	146	131	120	131	143	152	150	147	144	133	149	141
Ringgold	51	56	64	63	62	57	63	56	54	52	61	63
Ringgold	51	56	64	63	62	57	63	56	54	52	61	63
Sac	83	78	81	76	78	85	87	96	92	89	98	95
Scott	3274	3123	3071	3134	3163	3111	3008	2985	2875	2606	2700	2647
Shelby	76	75	67	80	84	80	84	83	81	79	86	82
Sioux	79	78	94	92	91	86	88	88	96	90	103	122
Story	354	335	331	338	379	361	322	296	272	241	294	303
Tama	178	170	171	188	198	185	181	178	177	179	222	227
Taylor	94	93	85	86	101	107	103	102	85	74	89	93
Union	188	191	207	205	216	225	199	202	185	175	198	199
Van Buren	70	71	72	77	82	82	81	86	83	78	90	95
Wapello	679	664	693	710	737	731	691	697	642	590	670	665
Warren	306	287	280	274	306	316	321	326	316	293	353	333
Washington	145	149	134	149	163	152	147	146	128	142	159	161
Wayne	76	81	81	77	80	86	95	99	94	92	102	103
Webster	681	650	633	648	694	685	656	672	658	644	720	728
Winnebago	67	71	58	50	58	64	67	61	72	72	94	91
Winneshiek	86	85	84	96	103	111	102	101	96	92	97	85
Woodbury	1726	1665	1635	1716	1770	1783	1786	1811	1775	1732	1987	2012
Worth	54	55	51	59	76	74	69	67	67	74	79	79
Wright	123	118	117	121	125	139	137	134	134	126	164	172
State of Iowa	33515	32259	32245	33198	34677	35119	34650	34752	33923	32363	36129	35518

Table 2. Average Monthly Number of Regular AFDC Recipients in Iowa Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	146	133	103	129	158	209	201	202	174	138	174	183
Adams	122	115	118	132	156	141	126	92	81	64	91	99
Allamakee	178	204	221	241	252	299	310	302	280	323	389	405
Appanoose	814	801	847	888	832	938	929	989	948	901	881	878
Audubon	125	108	100	106	113	131	135	106	107	112	153	162
Benton	599	642	542	566	612	630	591	586	533	529	553	506
Black Hawk	6859	7047	7328	7425	7720	8619	8343	7947	6899	6511	6909	6971
Boone	590	536	576	609	644	708	732	728	752	732	748	749
Bremer	336	316	322	373	428	542	497	497	418	393	447	416
Buchanan	676	634	659	696	756	801	826	771	718	675	710	725
Buena Vista	352	328	325	367	374	474	444	426	403	415	464	433
Butler	377	335	322	338	339	384	378	328	304	251	303	338
Calhoun	238	232	279	279	289	294	263	265	256	258	314	305
Carroll	327	317	324	307	324	331	302	303	280	297	355	353
Cass	370	373	369	342	349	397	393	377	366	379	502	463
Cedar	320	336	315	305	338	323	333	277	301	351	397	419
Cerro Gordo	1418	1449	1416	1429	1461	1593	1500	1443	1416	1487	1713	1647
Cherokee	274	231	237	248	310	345	315	297	281	271	354	373
Chickasaw	194	214	234	239	286	298	280	269	248	196	233	264
Clarke	250	282	263	293	298	309	278	281	292	294	301	273
Clay	419	406	442	456	484	560	556	520	485	452	533	472
Clayton	307	304	328	347	344	395	399	407	396	387	423	450
Clinton	2268	2226	2191	2128	2115	2310	2266	2057	1932	1784	1775	1673
Crawford	459	441	438	435	413	456	418	408	413	361	391	447
Dallas	741	741	776	766	827	945	934	946	890	746	822	773
Davis	223	270	271	273	255	259	301	292	252	237	249	237
Decatur	295	264	257	280	277	304	294	275	276	299	358	344
Delaware	344	386	414	487	508	546	531	503	453	449	516	484
Des Moines	1887	1893	1799	1790	1810	2012	2092	1956	1816	1780	2013	1814
Dickinson	233	237	287	303	290	305	331	325	355	354	385	395
Dubuque	2020	2090	2161	2313	2432	2865	2875	2901	2777	2604	2691	2470
Emmet	300	319	329	355	401	459	426	370	362	359	400	407
Fayette	651	573	549	533	556	610	615	620	580	550	609	602
Floyd	516	531	551	512	551	618	575	577	570	570	605	552
Franklin	212	217	250	243	234	280	228	223	219	228	298	348
Fremont	235	233	253	261	264	288	280	252	231	205	265	289
Greene	215	220	217	248	246	304	265	256	251	250	313	305
Grundy	181	174	154	153	160	177	195	183	188	160	192	194
Guthrie	282	260	277	318	352	314	317	294	290	289	340	371
Hamilton	340	298	323	373	408	379	354	412	419	412	454	460
Hancock	199	201	208	212	215	233	222	222	228	223	284	287
Hardin	427	407	397	440	444	481	443	449	450	487	553	516
Harrison	445	409	428	456	461	472	518	517	509	472	533	595
Henry	444	432	445	414	359	439	484	471	463	413	448	478
Howard	143	154	180	170	193	232	230	221	201	158	188	205
Humboldt	175	170	198	243	238	245	241	199	193	207	262	259
Ida	113	75	95	117	137	141	131	97	107	98	110	121
Iowa	165	180	159	187	204	213	191	162	174	174	205	210
Jackson	576	574	563	618	653	711	705	707	671	621	576	564
Jasper	783	739	771	833	933	1132	1152	1096	1050	1041	1178	1110

Table 2. Average Monthly Number of Regular AFDC Recipients in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	466	448	418	378	429	437	433	433	448	455	463	499
Johnson	1108	1187	1138	1186	1192	1359	1246	1187	1070	1028	1209	1142
Jones	367	390	434	502	533	585	541	522	457	486	529	503
Keokuk	390	380	405	369	352	360	316	298	258	220	284	273
Kossuth	303	298	257	277	282	320	296	275	309	340	423	423
Lee	1932	1830	1746	1806	1895	2028	1944	1950	1931	1808	1838	1729
Linn	5248	5128	5067	5308	5716	6610	6538	6308	5811	5643	5804	5553
Louisa	424	385	364	398	421	472	449	456	428	412	469	512
Lucas	344	320	317	341	368	427	421	438	397	389	413	465
Lyon	112	131	126	143	134	145	142	147	131	124	140	133
Madison	268	262	287	279	265	299	262	257	263	241	267	273
Mahaska	732	718	716	714	759	858	801	776	730	696	812	819
Marion	630	620	621	613	667	753	766	772	775	691	787	810
Marshall	1311	1238	1222	1199	1201	1351	1272	1249	1099	1127	1265	1324
Mills	360	370	371	398	419	419	441	395	362	378	497	478
Mitchell	152	118	133	159	146	154	143	140	152	146	156	160
Monona	358	332	319	351	358	397	348	323	321	345	362	367
Monroe	345	347	355	373	347	362	342	308	303	286	297	286
Montgomery	371	337	308	302	358	406	387	362	354	350	370	396
Muscatine	1753	1734	1721	1697	1797	1946	1896	1710	1623	1571	1634	1611
O'Brien	186	175	184	229	237	255	224	202	200	184	248	249
Osceola	92	87	94	90	88	120	113	89	92	82	98	122
Page	568	573	592	582	581	627	602	573	560	500	580	582
Palo Alto	194	200	200	215	206	273	294	254	259	275	311	338
Plymouth	271	257	293	304	305	359	330	321	319	287	382	379
Pocahontas	190	148	132	150	158	165	192	203	191	188	219	207
Polk	14605	13706	12858	12992	12814	14463	14672	14794	14345	13703	15084	14704
Pottawattamie	4123	3860	3695	3788	3759	4015	4099	4152	4260	4320	5130	5213
Poweshiek	394	366	326	360	378	419	425	398	386	357	392	377
Ringgold	138	145	170	175	171	158	188	167	151	143	170	169
Sac	219	217	215	193	192	235	244	254	236	232	262	248
Scott	9173	8899	8640	8759	8647	9447	8962	8569	7946	7240	7425	7330
Shelby	201	200	179	218	220	219	241	232	222	222	238	211
Sioux	221	223	264	267	264	262	273	253	280	277	282	335
Story	915	882	861	877	943	976	883	779	707	650	791	812
Tama	487	461	448	484	519	507	499	501	475	489	598	600
Taylor	268	265	239	242	276	332	306	294	236	206	252	251
Union	509	529	578	559	597	658	585	565	501	480	532	522
Van Buren	203	213	196	213	220	243	234	247	235	225	257	279
Wapello	1778	1772	1847	1897	1941	2091	1987	2003	1773	1593	1754	1713
Warren	784	734	723	718	801	894	919	872	819	788	918	852
Washington	386	410	380	427	445	454	428	437	354	371	402	402
Wayne	216	239	232	226	219	251	275	273	262	257	274	280
Webster	1830	1752	1676	1727	1824	1973	1857	1867	1777	1775	1951	2019
Winnebago	183	195	160	135	148	203	206	169	182	185	250	232
Winneshiek	235	230	229	261	276	346	323	305	258	244	269	223
Woodbury	4859	4739	4564	4772	4789	5315	5353	5184	4922	4753	5424	5536
Worth	146	148	140	157	197	227	202	197	191	208	217	211
Wright	337	322	316	318	339	403	389	381	365	348	443	472
State of Iowa	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, 1983-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	2	1	1	5	7	10	8	6	6
Adams	8	5	5	6	8	9	8	7	6
Allamakee	6	3	5	6	9	17	18	14	10
Appanoose	39	33	31	51	67	83	92	87	65
Audubon	6	3	3	5	6	7	7	3	2
Benton	18	10	13	20	25	27	38	42	37
Black Hawk	135	140	179	275	432	511	464	426	203
Boone	16	13	24	31	37	45	43	43	29
Bremer	18	16	12	23	39	44	44	40	30
Buchanan	24	25	33	57	89	111	103	83	65
Buena Vista	8	9	10	13	24	31	20	13	14
Butler	14	19	21	28	39	44	43	38	24
Calhoun	7	7	4	11	19	24	20	15	10
Carroll	6	6	6	5	9	12	13	17	15
Cass	11	9	5	8	20	27	29	17	11
Cedar	19	18	20	28	33	38	29	25	28
Cerro Gordo	36	28	23	35	48	74	59	49	60
Cherokee	2	2	1	4	7	8	8	10	6
Chickasaw	7	7	6	13	26	30	30	26	15
Clarke	15	10	7	11	21	25	25	14	19
Clay	7	8	5	12	23	32	32	20	20
Clayton	7	6	9	15	20	27	24	18	22
Clinton	76	67	71	95	157	216	229	191	142
Crawford	11	11	11	8	12	11	12	7	10
Dallas	15	14	14	16	37	47	44	35	24
Davis	9	9	13	19	33	34	36	35	30
Decatur	11	7	8	9	13	20	16	15	15
Delaware	11	15	24	34	49	62	59	49	45
Des Moines	43	45	40	33	56	83	83	76	76
Dickinson	6	5	9	8	12	11	11	9	10
Dubuque	74	75	89	125	196	236	249	246	205
Emmet	12	10	11	13	22	28	22	18	15
Fayette	25	25	30	43	63	72	58	50	39
Floyd	21	20	18	30	46	61	49	40	33
Franklin	11	10	12	7	8	9	13	14	14
Fremont	7	3	5	5	9	17	17	12	8
Greene	11	7	5	9	13	20	22	21	13
Grundy	8	7	9	12	16	19	11	14	8
Guthrie	5	6	8	12	18	23	19	26	20
Hamilton	18	12	8	10	21	29	22	19	17
Hancock	8	5	2	6	14	17	15	7	11
Hardin	12	8	10	15	17	19	23	17	15
Harrison	16	14	8	14	17	19	17	25	23
Henry	19	18	13	15	23	26	38	32	28
Howard	8	7	4	4	8	11	17	17	17
Humboldt	7	11	6	6	12	18	17	10	13
Ida	1	0	0	1	2	4	1	2	2
Iowa	5	4	2	3	9	15	14	10	13
Jackson	32	28	39	61	83	112	100	89	68
Jasper	15	22	19	26	41	51	49	59	67

Table 3. Average Monthly Number of Unemployed-Parent AFDC Cases in Iowa Counties, 1983-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	23	22	19	22	26	36	35	35	27
Johnson	17	17	13	17	27	30	24	18	20
Jones	14	12	12	16	20	33	33	32	33
Keokuk	19	19	17	21	31	36	32	24	19
Kossuth	10	12	10	10	14	16	16	14	12
Lee	53	45	46	62	82	99	116	117	87
Linn	140	114	109	183	282	336	326	303	264
Louisa	20	17	18	15	24	34	41	44	27
Lucas	12	13	14	17	20	28	30	31	28
Lyon	0	0	2	4	8	8	10	8	10
Madison	5	4	7	5	14	18	20	20	19
Mahaska	33	31	20	24	37	48	45	42	46
Marion	26	22	22	36	51	66	48	49	48
Marshall	35	32	25	38	64	74	67	66	44
Mills	10	12	8	13	22	20	24	10	14
Mitchell	3	2	2	6	7	7	8	9	7
Monona	16	11	11	16	26	30	28	27	21
Monroe	11	10	15	26	32	41	33	25	23
Montgomery	8	7	6	10	13	20	24	10	9
Muscatine	73	79	77	96	121	132	112	94	62
O'Brien	3	1	1	3	11	14	11	12	9
Osceola	2	2	2	3	4	8	9	7	4
Page	24	16	21	26	35	46	38	30	29
Palo Alto	4	5	4	7	16	24	24	18	17
Plymouth	3	3	6	13	14	19	16	11	10
Pocahontas	4	8	5	3	8	14	12	11	6
Polk	158	137	135	148	225	283	287	285	298
Pottawattamie	68	45	35	35	49	68	69	68	75
Poweshiek	12	8	8	13	26	39	34	28	27
Ringgold	6	4	7	13	18	18	18	14	14
Sac	5	4	5	6	7	11	12	10	10
Scott	165	181	196	249	356	395	410	364	206
Shelby	6	8	4	6	9	15	12	9	7
Sioux	4	4	3	4	8	15	10	5	4
Story	29	15	11	15	31	32	35	25	23
Tama	15	9	6	8	19	28	29	26	20
Taylor	7	9	10	11	11	15	20	15	17
Union	17	11	13	17	25	32	38	29	24
Van Buren	7	8	9	12	17	20	28	23	20
Wapello	94	78	83	126	185	179	133	117	107
Warren	17	19	18	24	34	43	52	58	49
Washington	10	10	10	20	22	27	26	16	11
Wayne	6	8	10	14	19	22	22	23	18
Webster	52	47	46	45	93	115	99	94	66
Winnebago	4	5	5	7	10	15	11	6	11
Winneshiek	7	10	11	20	28	27	28	25	22
Woodbury	60	47	37	50	95	122	106	102	99
Worth	6	7	6	6	10	12	14	13	12
Wright	13	7	3	5	14	19	17	14	12
State of Iowa	2244	2033	2072	2837	4331	5308	5108	4587	3724

Table 4. Average Monthly Number of Unemployed-Parent AFDC Recipients in Iowa Counties, 1983-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983
Adair	8	5	8	25	26	50	36	25	21
Adams	39	25	21	27	32	40	33	28	22
Allamakee	30	12	21	22	38	82	82	61	37
Appanoose	159	137	128	199	255	377	396	366	244
Audubon	23	12	11	23	31	40	34	12	6
Benton	77	44	56	86	99	127	200	185	130
Black Hawk	553	601	746	1126	1707	2308	2127	1768	621
Boone	70	54	109	146	166	207	192	184	103
Bremer	74	70	51	94	156	213	218	183	104
Buchanan	99	111	143	253	382	515	472	353	245
Buena Vista	33	33	39	52	95	163	101	52	45
Butler	56	70	80	110	154	194	177	159	89
Calhoun	29	32	17	46	81	117	90	66	41
Carroll	23	24	25	16	31	52	54	64	50
Cass	46	37	18	37	83	117	119	63	35
Cedar	82	80	85	112	126	157	119	105	108
Cerro Gordo	150	117	95	140	180	315	259	191	214
Cherokee	8	9	6	17	28	40	37	45	19
Chickasaw	26	27	21	56	102	133	141	119	53
Clarke	60	45	30	45	84	105	109	58	63
Clay	24	30	19	45	93	149	134	78	74
Clayton	28	23	39	59	77	122	114	71	76
Clinton	306	277	286	385	624	940	997	790	524
Crawford	48	45	41	33	41	50	53	29	36
Dallas	63	57	57	62	145	202	178	135	81
Davis	36	38	50	77	130	156	156	149	114
Decatur	43	27	29	38	55	90	66	63	54
Delaware	51	69	109	146	205	285	264	228	171
Des Moines	185	191	170	138	218	387	393	333	300
Dickinson	25	22	38	37	52	54	50	38	35
Dubuque	314	331	390	570	838	1072	1139	1099	780
Emmet	52	48	48	60	91	156	126	88	66
Fayette	103	104	125	181	261	347	292	227	141
Floyd	85	79	76	127	191	276	243	183	128
Franklin	42	41	46	27	31	40	56	53	48
Fremont	28	12	20	21	33	65	70	51	33
Greene	41	28	23	37	55	90	98	87	54
Grundy	39	28	38	46	64	80	43	52	25
Guthrie	19	25	31	46	73	109	93	119	83
Hamilton	79	51	35	46	79	127	93	77	65
Hancock	32	22	11	23	57	72	66	26	37
Hardin	51	35	43	65	69	80	97	77	56
Harrison	69	60	30	50	65	88	81	113	89
Henry	79	71	58	63	90	110	176	133	96
Howard	33	27	14	15	31	61	84	70	68
Humboldt	30	50	24	25	49	75	71	39	48
Ida	2	1	0	4	9	18	4	7	6
Iowa	22	17	10	13	40	88	65	41	44
Jackson	136	122	170	269	347	498	451	379	240
Jasper	57	92	76	105	156	212	205	228	233

Table 4. Average Monthly Number of Unemployed-Parent AFDC Recipients in Iowa Counties, 1983-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	92	91	79	93	100	155	156	148	99
Johnson	73	72	49	68	96	164	139	73	73
Jones	57	52	48	64	79	154	164	135	107
Keokuk	83	81	71	85	128	174	143	104	69
Kossuth	49	54	46	37	58	79	70	56	41
Lee	209	180	186	256	327	446	517	481	321
Linn	586	497	455	782	1099	1540	1507	1254	882
Louisa	81	69	76	64	97	162	178	185	99
Lucas	51	50	53	66	82	130	135	136	94
Lyon	0	0	7	18	34	35	46	37	43
Madison	23	17	30	24	56	77	84	81	71
Mahaska	133	128	81	91	130	219	203	160	159
Marion	98	80	87	149	205	293	211	197	178
Marshall	141	135	105	158	258	382	362	272	156
Mills	42	47	32	59	89	93	106	48	53
Mitchell	10	9	11	27	27	32	36	39	26
Monona	64	46	47	67	105	129	115	122	83
Monroe	43	38	58	100	120	169	146	103	85
Montgomery	28	28	23	41	54	83	103	42	29
Muscatine	318	344	323	402	517	595	513	406	235
O'Brien	13	5	7	17	48	68	52	47	31
Osceola	8	9	6	13	20	42	41	31	16
Page	89	64	86	99	135	196	163	132	113
Palo Alto	20	24	18	28	66	125	123	77	60
Plymouth	13	14	26	53	58	85	72	46	33
Pocahontas	17	34	25	13	35	63	51	46	24
Polk	678	619	598	629	892	1246	1271	1225	1122
Pottawattamie	285	206	150	154	193	291	297	276	269
Poweshiek	51	34	35	59	110	207	172	121	98
Ringgold	27	19	30	51	69	90	89	52	51
Sac	23	15	21	25	26	53	53	45	39
Scott	717	813	845	1052	1458	1785	1841	1569	792
Shelby	27	34	13	24	35	61	51	38	24
Sioux	15	17	20	28	49	77	50	19	13
Story	113	60	45	56	109	125	142	96	76
Tama	62	38	27	31	70	127	131	109	79
Taylor	29	40	36	45	48	81	98	56	55
Union	68	45	56	69	101	167	178	126	85
Van Buren	29	38	40	57	71	97	133	104	74
Wapello	377	315	334	514	708	787	589	486	384
Warren	74	82	75	95	134	195	230	228	168
Washington	49	39	40	87	82	126	110	61	46
Wayne	26	32	41	54	72	101	97	93	64
Webster	226	216	190	180	367	487	426	377	223
Winnebago	16	18	18	28	36	65	51	22	43
Winneshiek	27	42	47	88	114	127	117	94	78
Woodbury	266	213	155	220	389	636	531	439	380
Worth	23	30	27	25	37	55	58	51	39
Wright	58	30	13	20	58	79	70	57	42
State of Iowa	9371	8724	8705	11906	17374	24204	23172	19350	13473

Table 5. Percentage AFDC Families Constitute of All Families with Children in Iowa Counties, 1980 and 1990.

County	Regular +			County	Regular +		
	Regular Cases 1990	Unemployed- Parent Cases 1990	Regular Cases 1980		Regular Cases 1990	Unemployed- Parent Cases 1990	Regular Cases 1980
Adair	4.5	4.6	5.5	Jefferson	7.9	8.9	9.7
Adams	6.1	7.0	4.6	Johnson	4.4	4.5	5.1
Allamakee	4.0	4.2	7.2	Jones	5.8	6.3	6.9
Appanoose	17.0	18.9	15.2	Keokuk	9.1	10.4	6.4
Audubon	4.1	4.4	5.3	Kossuth	4.8	5.3	5.0
Benton	7.4	7.7	5.4	Lee	12.8	13.7	10.8
Black Hawk	15.9	16.7	14.4	Linn	8.6	9.1	8.7
Boone	6.5	6.9	8.4	Louisa	8.3	9.4	10.2
Bremer	4.2	4.8	4.8	Lucas	10.8	11.9	11.7
Buchanan	8.1	9.0	7.9	Lyon	2.6	2.6	2.7
Buena Vista	5.0	5.4	6.1	Madison	5.5	5.8	5.9
Butler	6.0	6.9	5.1	Mahaska	9.4	10.5	10.4
Calhoun	5.8	6.3	6.7	Marion	5.8	6.4	7.4
Carroll	3.9	4.1	4.1	Marshall	9.2	9.8	8.4
Cass	7.2	7.6	7.8	Mills	7.4	8.1	9.5
Cedar	5.1	5.9	6.1	Mitchell	3.6	3.7	3.8
Cerro Gordo	8.8	9.3	9.9	Monona	10.3	11.2	9.2
Cherokee	4.7	4.8	6.4	Monroe	12.1	13.0	9.0
Chickasaw	4.4	4.8	4.7	Montgomery	8.1	8.5	8.5
Clarke	8.9	9.8	8.4	Muscatine	10.7	12.1	10.2
Clay	6.4	6.7	6.8	O'Brien	3.3	3.4	4.2
Clayton	4.1	4.3	5.6	Osceola	2.9	3.1	4.1
Clinton	11.9	12.9	8.0	Page	9.8	10.6	9.2
Crawford	7.4	7.9	6.3	Palo Alto	5.3	5.7	7.4
Dallas	6.5	6.8	6.7	Plymouth	3.1	3.2	4.3
Davis	9.1	10.0	6.9	Pocahontas	5.0	5.6	4.9
Decatur	10.5	11.2	10.5	Polk	11.2	11.5	12.7
Delaware	5.2	5.8	6.4	Pottawattamie	11.9	12.3	15.2
Des Moines	11.8	12.6	10.3	Poweshiek	5.4	5.8	5.7
Dickinson	5.1	5.4	7.0	Ringgold	8.6	9.2	8.4
Dubuque	6.7	7.4	6.8	Sac	5.0	5.3	5.2
Emmet	7.8	8.5	8.0	Scott	14.3	15.2	11.3
Fayette	7.2	8.0	6.6	Shelby	4.4	4.8	4.0
Floyd	9.0	9.9	7.8	Sioux	2.0	2.1	2.9
Franklin	5.7	6.4	7.3	Story	4.3	4.5	3.9
Fremont	7.9	8.2	8.5	Tama	7.7	8.2	8.8
Greene	6.7	7.3	7.1	Taylor	10.6	11.6	9.0
Grundy	4.0	4.5	3.6	Union	11.3	12.0	10.8
Guthrie	6.8	7.2	8.3	Van Buren	7.3	8.1	8.3
Hamilton	5.6	6.2	7.2	Wapello	14.1	15.8	12.7
Hancock	4.6	4.9	5.2	Warren	5.4	5.7	6.0
Hardin	7.0	7.4	7.1	Washington	5.8	6.2	6.0
Harrison	7.7	8.5	10.3	Wayne	9.8	10.8	10.5
Henry	6.6	7.3	7.1	Webster	12.1	13.0	11.8
Howard	4.4	5.0	5.0	Winnebago	4.6	4.9	5.4
Humboldt	4.7	5.5	6.1	Winneshieki	3.5	3.9	3.1
Ida	2.6	2.6	4.0	Woodbury	12.3	12.6	14.4
Iowa	3.9	4.1	4.0	Worth	5.4	6.0	6.6
Jackson	8.1	9.1	6.4	Wright	6.5	6.9	8.2
Jasper	6.2	6.7	7.8				
				Iowa State	8.8	9.4	9.0

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 1991 was 90,931 (Table 2). Although this was an increase of 2,358 from 1990, it was lower than all but four of the 12 years examined. Over 100,000 persons were in the program each month, on average, in both 1985 and 1986.

Polk county averaged 14,605 AFDC recipients monthly in the regular program in 1991, the highest number for any county in the state. Other counties above 5,000 that year were Black Hawk, Linn, and Scott. These four counties alone accounted for 39.5% of Iowa's average monthly regular AFDC recipients. The majority (50) of Iowa's 99 counties had fewer than 350 recipients in 1991, although Osceola (92) was the only one below 100.

Increases in the number of recipients occurred in 63 counties between 1990 and 1991. Gains were under 50 in most (52) of these counties; they exceeded 100 in Lee, Linn, Polk, Pottawattamie, Scott, and Woodbury. Declines from 1990 to 1991 in the number of recipients took place in 35 counties, with three reporting at least 50 fewer recipients in the later year (Black Hawk, Dubuque, Johnson).

Iowa had 6,195 fewer persons receiving regular AFDC each month, on average, in 1991 than in 1981. Seventy-eight counties followed the state trend, showing fewer average recipients at the end of the period than at the beginning. Dubuque, Linn, Pottawattamie, and Woodbury had declines of at least 500. Twenty counties averaged more recipients when the first and last years were compared. Scott (+1,748) and Clinton (+493) increased the most, with Keokuk, Muscatine, and Story also adding more than 100 regular recipients.

Unemployed-Parent AFDC Cases and Recipients

Iowa averaged 2,244 unemployed-parent AFDC cases each month in 1991 (Table 3). The 1991 average was less than half that from 1984 through 1986, when Iowa had more than 4,500 such cases.

Two-fifths (40) of the counties averaged fewer than 10 unemployed-parent cases each month in 1991. Fifty-five counties had from 10 to 94 unemployed-parent cases. The highest monthly averages were in four counties (Black Hawk, Linn, Polk, Scott) with more than 100 each; Scott's was highest at 165.

Unemployed-parent cases increased, on average, by 211 between 1990 and 1991 in the state. The majority (57) of the counties reported increases or decreases of fewer than three cases. Only Scott (-16) dropped by more than 10 cases; six gained at least 10 (Linn, Polk, Pottawattamie, Story, Wapello, Woodbury).

Iowa's unemployed-parent case average was lower by 1,480 in 1991 than it was in 1983. Most (88) counties also had declines when comparing the first and last years. Dubuque, Linn, and Polk had decreases of 100 or more cases. Four counties remained the same, while the remaining seven had increases over the period, although only Muscatine (+11) had at least 10 more cases in 1991 than in 1983.

The average monthly number of AFDC recipients in the unemployed-parent program was 9,371 in 1991, a figure 666 higher than the period's low point in 1989 (Table 4). The averages for 1984-1986 were more than double the 1991 number; those for 1985 and 1986 were over 23,000 and 24,000, respectively.

Scott had the highest monthly average (717) of unemployed-parent recipients in 1991; Black Hawk, Linn, and Polk also were over 500. Sixteen other counties averaged more than 100 recipients. Of the remaining 79 counties, 30 averaged between 50 and 99 recipients, 37 counties had from 20 to 49 recipients monthly, and 12 counties averaged fewer than 20 recipients. The counties with the lowest average of unemployed-parent recipients were Ida (2) and Lyon (0).

The number of recipients of unemployed-parent AFDC benefits grew by 647 between 1990 and 1991. Most (53) counties reported changes of less than 10 recipients. Increases greater than 50 occurred in six counties, with the greatest gain in Linn (+89). Declines exceeded 50 only in Scott (-96).

Iowa averaged 4,102 fewer persons per month receiving unemployed-parent AFDC benefits in 1991 than in 1983. Most counties (82) followed the state trend, with the largest decreases above 400 in Dubuque and Polk. Of the 16 counties with more unemployed-parent recipients in 1991 than in 1983, Muscatine (+83) increased significantly more than the others. Gains in the other 15 counties were 37 or less.

Regular AFDC Cases as a Percentage of All Families with Children

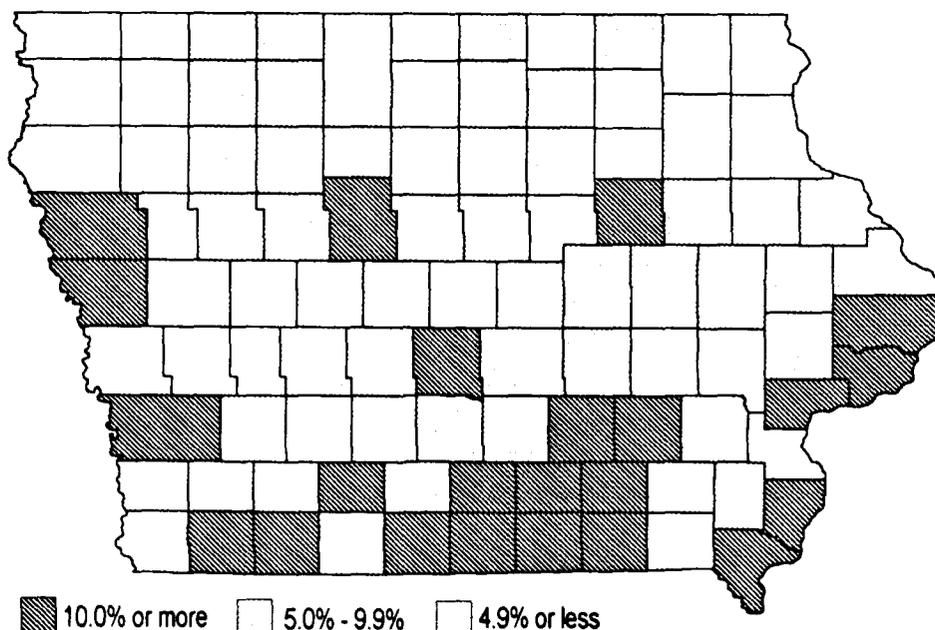
The decennial censuses provide an opportunity to determine the proportion of families with children that are receiving AFDC benefits through the regular case program. For the state, approximately 32,259 families on average were receiving AFDC benefits in 1990; Iowa had 365,103 families with children that year. Thus, on average, 8.8% of all families with children were obtaining AFDC support in 1990; in 1980, the figure was 9.0% (Table 5). The 1990 figure increases to 9.4% when the unemployed-parent cases are added to the regular cases.

The percentages of families with children receiving AFDC benefits varies across Iowa's counties. In 1990, from 2% to 17% of these families received regular AFDC benefits; when those obtaining support through the unemployed-parent program are included, the percentages range from 2.1 to 18.9 (Table 5). In 1980, the range also was quite extreme--2.7% to 15.2%.

In 1990, at least 10% of families with children received regular or unemployed-parent AFDC aid in 23 counties. Four exceeded 15% (Appanoose, Black Hawk, Scott, Wapello). One concentration of counties with percentages of 10% or more included Appanoose, Davis, Decatur, Keokuk, Lucas, Mahaska, Monroe, Wapello, and Wayne in the southern part of the state. Clinton, Scott, and Muscatine in the east-central area also reported figures above 10%. In general, counties with relatively high proportions of families with children receiving AFDC benefits in 1990 had been in the upper portions of the range 10 years earlier as well.

Less than 5% of all families with children received regular or unemployed-parent AFDC aid in 23 counties in 1990 (Figure 1). Fourteen of these were north of a line joining the northern boundaries of Woodbury and Dubuque counties; none were in the two southernmost tiers of counties. The northwest corner (Cherokee, Lyon, O'Brien, Osceola, Plymouth, Sioux) had particularly low percentages as did much of the upper northeastern section. These counties tended to have somewhat lower percentages in 1980 as well.

Figure 1. Percent AFDC families of all families with children, 1990.



Children in Foster Care in Iowa's Counties: 1982-1991

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

Information on the number of children in foster care is reported each month by the Iowa Department of Human Services. These data were summed over the months in each calendar year and divided by 12 to yield average monthly numbers, which ranged from 3,019 (1983) to 3,966 (1991) in the state (Table 1). A decrease in the number of cases occurred from 1982 to 1983, although they increased each year from then through 1991 (Figure 1). In 1990, the U.S. Bureau of the Census reported that 718,880 Iowans were 17 or younger; based on the average of 3,844 reported in foster care that year, less than one percent (0.5%) of Iowa's youth lived in such an arrangement.

Seven counties (Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) averaged at least 100 children in foster care in 1991; all of these except Dubuque had more than 100 in foster care each year. Twenty-five counties reported less than 10 under such care in 1991; 56 counties averaged 10 to 49 children in foster care, while 11 reported 50 to 99 children in this type of care in 1991. Ten counties (Adams, Calhoun, Davis, Fremont, Grundy, Lyon, Osceola, Ringgold, Taylor, Wayne) never had as many as 10 in foster care in any of the years examined.

When averages for 1982 and 1991 are compared, 68 counties had more children in foster care at the end of the period than at the beginning. Polk (+168) and Woodbury (+202) had the only increases greater than 50. Twenty-four counties noted increases of 10 to 50 foster care children. Declines in the average number in foster care occurred in 29 counties, although only four were greater than 10 (Kossuth, -25; Marshall, -25; Mitchell, -11; Pottawattamie, -17). Two counties (Adams, Lyon) had the same number in foster care in 1982 and 1991.

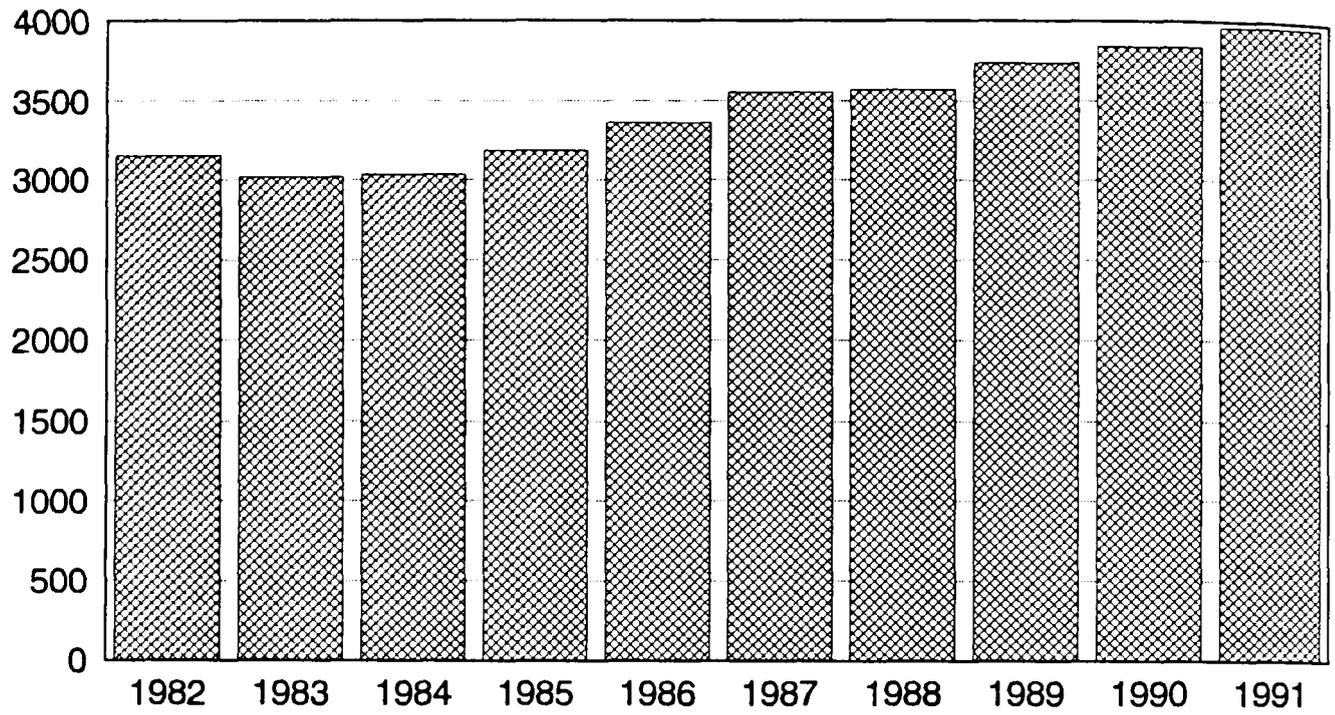
Table 1. Average Monthly Number of Children in Foster Care in Iowa Counties, 1982-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Adair	2	5	6	6	11	9	3	4	4	4
Adams	1	3	2	2	1	0	1	1	2	1
Allamakee	14	11	9	9	4	4	4	8	8	9
Appanoose	28	24	22	21	19	14	14	12	11	14
Audubon	7	11	11	12	7	5	7	12	15	12
Benton	33	26	23	18	18	16	13	12	11	16
Black Hawk	246	236	237	217	201	181	184	177	182	208
Boone	35	41	42	31	31	25	24	20	20	19
Bremer	12	15	15	15	9	7	6	4	7	6
Buchanan	17	16	16	17	23	12	10	8	9	9
Buena Vista	34	36	34	28	25	19	21	14	11	18
Butler	11	12	10	10	13	9	8	11	14	10
Calhoun	3	4	5	2	2	3	4	5	6	8
Carroll	21	26	27	29	23	27	21	18	17	16
Cass	20	19	13	13	17	18	23	17	9	10
Cedar	15	15	10	14	11	8	13	10	10	10
Cerro Gordo	76	70	75	88	87	84	83	81	87	85
Cherokee	19	19	22	16	15	17	14	21	18	18
Chickasaw	11	9	9	10	11	11	9	9	9	9
Clarke	11	8	12	10	7	8	8	4	10	10
Clay	25	24	19	14	15	21	30	24	26	23
Clayton	16	9	9	8	7	6	6	7	8	10
Clinton	67	62	60	59	59	56	48	49	56	58
Crawford	27	18	18	17	20	19	14	12	15	18
Dallas	29	23	17	22	20	12	15	18	19	15
Davis	3	5	5	5	4	5	5	3	3	2
Decatur	12	11	10	8	7	5	7	9	11	9
Delaware	26	27	29	19	19	19	29	23	14	21
Des Moines	56	71	76	60	69	78	65	54	49	55
Dickinson	23	19	14	11	18	19	15	15	16	13
Dubuque	146	121	109	100	100	90	98	101	108	107
Emmet	19	18	16	14	17	16	16	13	12	15
Fayette	14	15	12	15	14	11	11	11	15	19
Floyd	26	24	20	20	20	23	18	15	19	16
Franklin	12	11	7	6	6	12	9	9	10	10
Fremont	2	8	5	4	6	6	6	7	7	8
Greene	12	6	9	13	13	16	12	10	12	18
Grundy	5	8	7	4	2	2	3	3	4	9
Guthrie	8	7	7	4	7	10	9	6	5	7
Hamilton	20	14	17	18	21	17	13	20	19	18
Hancock	9	7	6	6	6	4	4	5	9	15
Hardin	24	24	26	22	29	32	31	31	34	34
Harrison	21	26	28	28	22	19	19	19	18	18
Henry	19	26	26	21	24	24	21	27	14	15
Howard	3	1	2	3	7	7	6	5	8	10
Humboldt	8	14	13	10	11	14	20	24	20	18
Ida	8	10	8	2	6	5	6	5	4	3
Iowa	14	16	18	17	15	13	10	8	5	4
Jackson	19	19	20	15	12	10	16	22	19	25
Jasper	39	45	52	46	44	38	32	24	25	24

Table 1. Average Monthly Number of Children in Foster Care in Iowa Counties, 1982-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
Jefferson	17	18	15	19	18	18	12	17	17	12
Johnson	87	85	78	77	79	72	77	66	62	56
Jones	15	16	16	19	15	12	11	10	12	10
Keokuk	12	12	20	14	16	14	11	12	10	10
Kossuth	14	15	18	17	21	22	27	34	34	39
Lee	61	65	77	66	65	60	52	43	51	52
Linn	310	289	296	279	272	279	278	291	268	267
Louisa	20	14	9	6	8	9	11	9	10	9
Lucas	10	6	6	6	7	11	12	6	6	11
Lyon	8	6	6	5	5	5	2	2	2	8
Madison	6	6	12	10	7	6	3	2	2	3
Mahaska	58	51	40	40	37	32	26	24	14	21
Marion	27	32	37	35	30	29	19	16	19	16
Marshall	58	67	66	65	64	67	77	67	76	83
Mills	35	25	18	17	12	14	13	14	14	12
Mitchell	4	4	5	8	12	11	8	9	10	15
Monona	10	10	9	9	5	4	5	7	6	6
Monroe	13	11	10	7	8	8	6	6	5	4
Montgomery	21	21	20	14	13	8	9	9	7	11
Muscatine	46	49	51	48	52	44	35	30	39	37
O'Brien	9	14	12	9	9	5	10	10	11	11
Osceola	8	4	4	3	3	2	4	3	4	7
Page	34	20	20	25	29	27	21	18	22	29
Palo Alto	13	12	16	14	11	9	12	13	12	16
Plymouth	10	14	9	11	14	17	17	11	13	18
Pocahontas	9	10	12	10	7	7	6	10	11	12
Polk	483	476	476	491	477	445	383	336	299	315
Pottawattamie	111	107	136	149	154	158	158	160	145	128
Poweshiek	21	16	17	13	11	8	9	17	15	23
Ringgold	9	5	1	2	1	2	1	3	3	2
Sac	14	12	15	18	13	14	23	19	16	13
Scott	263	236	223	228	222	230	225	237	242	247
Shelby	4	5	6	7	8	8	9	10	19	14
Sioux	13	14	19	10	13	21	15	10	8	9
Story	57	49	47	54	70	77	66	60	53	56
Tama	27	31	36	25	12	12	14	12	20	24
Taylor	1	2	2	2	1	1	2	1	1	2
Union	26	32	26	17	17	16	13	10	10	12
Van Buren	8	7	5	5	6	5	11	10	8	6
Wapello	99	92	84	120	128	103	96	75	72	67
Warren	54	60	57	56	51	38	42	26	27	31
Washington	36	38	35	29	23	23	19	21	17	14
Wayne	6	6	4	2	3	5	2	3	5	3
Webster	74	83	68	62	62	61	75	81	78	76
Winnebago	11	13	12	9	8	11	13	9	11	10
Winneshiek	7	7	6	9	6	4	3	5	8	11
Woodbury	378	357	294	261	271	223	157	139	161	176
Worth	6	6	10	6	4	4	5	6	7	9
Wright	17	24	20	17	20	21	21	22	20	23
State of Iowa	3966	3844	3740	3572	3555	3361	3185	3033	3019	3153

Figure 1. Children in foster care in Iowa, 1982-1991.



Founded Child Abuse in Iowa's Counties: 1982-1990

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

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 will have some effect on comparisons of data before and after 1987.

In 1990, 8,215 children were determined to be abused in Iowa (Table 1). That number was higher than the totals reported for all previous years. Abuse was noted in 2,297 more cases in 1990 than in 1987, an increase of 38.8% in three years.

Polk had 1,478 children with founded abuse in 1990, the highest number reported among the state's 99 counties. Four other counties (Black Hawk, Linn, Scott, Woodbury) had more than 400 children abused; these four counties plus Polk accounted for two of every five (41.8%) cases of child abuse in 1990. Fifteen counties had between 100 and 399 abused children, 14 counties ranged from 50 to 99, while 60 counties reported 10 to 49 children abused. For five counties (Adams, Ida, Ringgold, Shelby, Wayne), the number of abused children in 1990 was under 10.

Fifty counties had more abused children in 1990 than in 1989. For many of these counties, the differences between the two years were small; in 29 of these 50, for example, the gains were less than 10. For two (Polk, Scott), however, the increases were greater than 90 founded cases. Forty-eight counties had fewer children with founded abuse in 1990 than in 1989. From one to nine fewer abused children were recorded for 22 counties. Declines exceeded 50 cases in Boone and Linn counties.

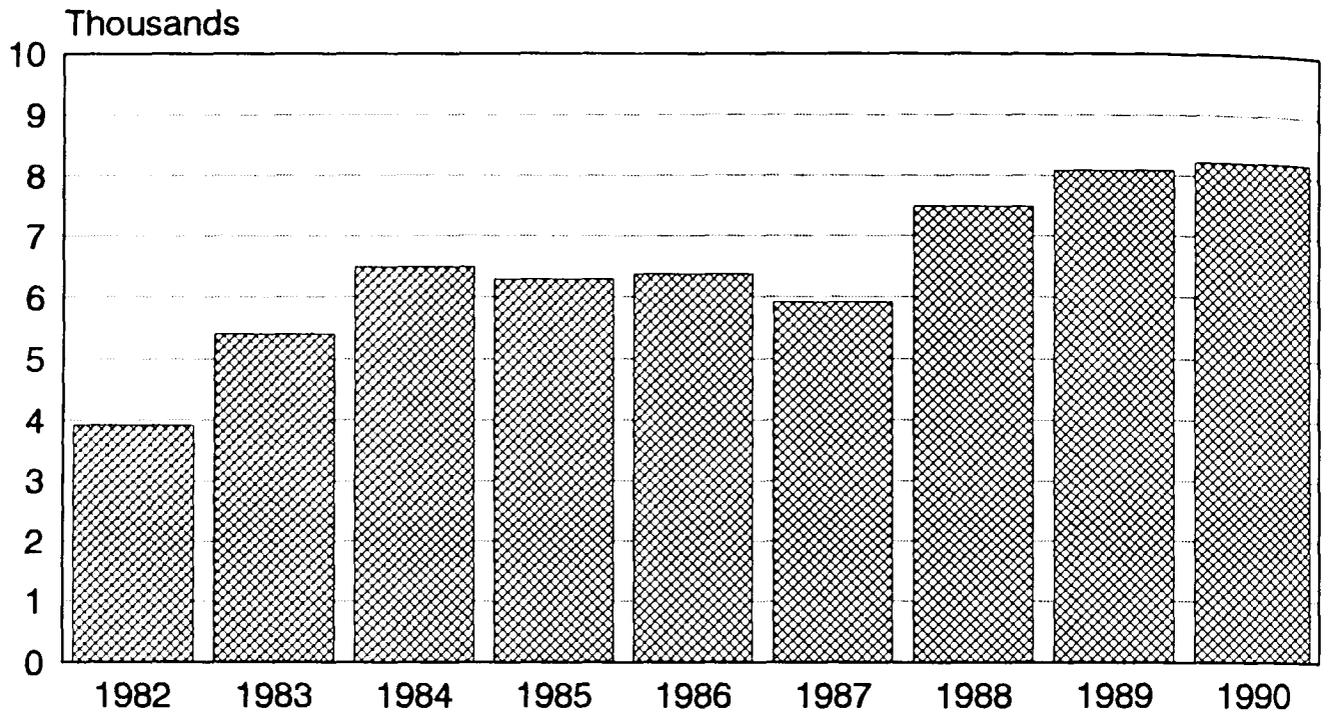
Table 1. Number of Children in Founded Cases of Child Abuse in Iowa Counties, 1982-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982
Adair	22	12	3	10	13	20	14	12	12
Adams	8	3	11	4	6	6	5	7	4
Allamakee	46	37	20	17	26	16	13	19	16
Appanoose	16	24	18	15	25	8	35	42	56
Audubon	18	17	17	24	7	5	23	15	6
Benton	47	62	46	39	40	30	27	27	7
Black Hawk	459	471	482	368	437	324	307	296	226
Boone	109	168	113	46	39	65	107	56	22
Bremer	20	31	29	19	30	23	26	13	11
Buchanan	29	37	54	40	59	49	21	16	17
Buena Vista	45	58	34	20	29	27	82	11	23
Butler	15	32	32	10	11	16	11	13	10
Calhoun	36	11	20	13	5	18	20	4	12
Carroll	37	38	41	41	9	27	21	25	17
Cass	31	26	37	29	18	23	27	31	37
Cedar	32	36	24	16	24	29	32	24	9
Cerro Gordo	121	149	130	87	102	69	83	96	83
Cherokee	27	36	18	9	16	25	26	23	12
Chickasaw	26	30	16	17	19	25	14	6	9
Clarke	22	37	29	13	10	22	7	8	11
Clay	69	56	65	41	50	38	38	19	26
Clayton	51	65	33	38	18	42	28	34	15
Clinton	150	144	128	127	119	140	154	102	102
Crawford	44	49	41	19	23	18	33	26	32
Dallas	69	78	74	85	64	42	58	47	50
Davis	19	13	17	14	7	20	18	12	10
Decatur	28	23	24	13	23	16	17	21	9
Delaware	65	91	68	55	47	37	85	43	31
Des Moines	121	132	91	98	127	108	119	79	46
Dickinson	33	45	22	31	24	16	12	17	11
Dubuque	198	187	178	106	106	176	162	102	65
Emmet	26	28	32	18	31	16	17	22	17
Fayette	73	46	38	62	46	53	48	46	14
Floyd	46	42	36	42	29	30	13	23	22
Franklin	16	24	22	10	10	19	14	16	7
Fremont	19	20	26	10	6	8	3	17	13
Greene	24	34	15	21	25	18	29	7	6
Grundy	10	17	11	9	6	6	2	10	15
Guthrie	24	22	17	24	14	18	23	6	20
Hamilton	74	56	34	27	26	24	31	23	25
Hancock	12	27	13	16	24	13	17	7	6
Hardin	31	39	41	27	34	32	22	24	28
Harrison	49	54	61	44	42	28	36	34	37
Henry	43	35	42	33	36	39	39	51	27
Howard	18	14	14	12	16	19	17	22	13
Humboldt	19	29	7	10	13	13	32	21	20
Ida	7	21	10	2	3	3	3	9	6
Iowa	22	24	23	17	18	11	14	9	1
Jackson	58	40	34	58	41	43	41	31	29
Jasper	135	90	131	80	159	209	171	35	42

Table 1. Number of Children in Founded Cases of Child Abuse in Iowa Counties, 1982-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982
Jefferson	19	23	21	17	29	20	23	39	46
Johnson	135	130	110	89	98	80	68	82	69
Jones	35	32	39	32	49	45	65	57	21
Keokuk	26	20	17	8	9	22	29	11	21
Kossuth	12	13	5	15	14	10	24	21	16
Lee	110	102	111	121	146	190	182	139	43
Linn	469	586	476	371	434	405	492	357	286
Louisa	38	34	28	12	21	24	20	14	11
Lucas	10	6	5	8	7	16	12	16	18
Lyon	15	7	12	13	4	13	9	10	8
Madison	31	32	26	30	23	21	13	8	12
Mahaska	37	23	31	29	28	37	41	30	29
Marion	98	105	120	79	119	92	60	64	25
Marshall	117	155	135	112	116	88	86	81	54
Mills	30	44	55	28	22	21	16	20	20
Mitchell	12	7	13	12	14	1	4	1	1
Monona	27	9	13	16	7	16	17	6	3
Monroe	15	7	6	7	12	9	5	10	7
Montgomery	16	31	20	37	21	11	20	36	12
Muscatine	222	182	138	91	85	129	141	137	130
O'Brien	21	15	17	7	13	12	3	18	13
Osceola	15	9	12	1	10	14	3	5	8
Page	64	57	50	22	19	13	39	25	42
Palo Alto	31	12	23	17	25	21	34	15	8
Plymouth	54	34	27	29	15	23	28	13	12
Pocahontas	28	23	19	21	16	7	27	1	17
Polk	1478	1348	1518	1189	1271	1093	1122	860	543
Pottawattamie	245	249	265	290	339	372	316	332	176
Poweshiek	27	39	28	31	37	16	27	39	8
Ringgold	9	6	4	8	13	13	7	6	3
Sac	37	28	21	17	9	27	12	7	9
Scott	522	428	423	342	397	425	543	451	234
Shelby	9	14	18	11	10	4	11	19	13
Sioux	16	32	19	31	10	16	16	20	17
Story	178	154	134	63	86	70	29	59	25
Tama	52	52	66	51	52	27	24	22	39
Taylor	16	14	21	7	10	9	11	8	8
Union	65	51	45	31	44	60	51	35	14
Van Buren	17	8	13	4	8	11	19	22	21
Wapello	124	161	106	94	93	115	124	134	148
Warren	126	94	142	94	99	111	99	64	51
Washington	54	42	34	24	16	21	16	24	17
Wayne	6	18	1	3	8	7	7	9	5
Webster	195	154	131	102	109	130	161	129	135
Winnebago	17	27	21	25	9	15	15	14	16
Winneshiek	32	50	23	47	9	16	17	37	20
Woodbury	507	497	357	208	222	259	169	182	118
Worth	13	18	11	7	7	8	7	9	3
Wright	51	50	14	21	30	20	23	30	12
County Not Reported	13	3	17	8	16	14	5	12	12
State of Iowa	8215	8095	7483	5918	6372	6281	6489	5399	3924

Figure 1. Abused children in Iowa, 1982-1990.



Infant Mortality in Iowa's Counties: 1980-1990

Willis Goudy, Iowa State University
Stephanie Shaw, Iowa State University
Michael Dare, Iowa Department of Public Health

In 1990, 317 infants died before they reached one year of age in the State of Iowa (Table 1), according to records kept by the Iowa Department of Public Health. That was the lowest number of infant deaths from 1980 to that year (Figure 1). The 1990 number was only 56.1% of the 565 infant deaths in 1980. The reduction occurred throughout the period, with declines greater than 50 between 1980 and 1981, 1982 and 1983, and 1985 and 1986. Slight increases took place from 1984 to 1985 and from 1986 to 1987. Deaths are reported for the county of residence of the deceased, while births are recorded by the county of residence of the mother; neither are based on where the event occurred.

A total of 4,262 infants died during the 11 years from 1980 through 1990. Polk (620) had the highest number during this period. Seven others (Black Hawk, Dubuque, Johnson, Linn, Pottawattamie, Scott, Woodbury) each reported at least 100 infant deaths. These eight counties accounted for nearly half (2,094, 49.1%) of the deaths to infants from 1980 through 1990. Fifteen counties had 10 or fewer infant deaths during these 11 years, or an average of less than one per year. Two-thirds (67) of the 99 counties counted more than 10 but less 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 11-year period, the infant mortality rate was 9.3 (or 9.3 infant deaths for every 1,000 live births) (Table 2). In 1980, the rate was 11.8; substantial declines occurred through the 1980s, with a rate of 8.1 reported for 1990 (Figure 2). When infant deaths and live births were accumulated for the years 1980 through 1983, the infant mortality rate was 10.2; the rate declined to 8.9 for the 1984-1986 period, and it was 8.5 when the data were added from 1987 through 1990.

A third (33) of Iowa's counties had infant mortality rates equaling or exceeding the state figure of 9.3 for the 1980-1990 period. Twenty-four counties reported rates of 10.0 or higher (Figure 3). Four (Emmet, Louisa, Taylor, Woodbury) had rates of at least 12.0; these were substantially higher than those reported in other counties. Another nine had rates ranging from 11.0 to 11.3.

Twenty-eight counties were more than two points below the state's rate. Five (Adair, Decatur, Monona, Osceola, Union) had rates that were less than half that of the state. Another five ranged from 5.0 to 5.9, while 15 had infant mortality rates that varied from 6.0 to 6.9.

Only 25 counties matched the state's pattern of declining mortality rates across the three subperiods (1980-1983, 1984-1986, 1987-1990) (Table 2). Indeed, Appanoose, Cherokee, Humboldt, Jackson, Jones, Lucas, Ringgold, and 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 three or four 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, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	1	0	1	0	0	1	0	1
Adams	0	1	1	0	1	0	2	1	0	1	0
Allamakee	0	2	0	1	0	4	0	1	1	2	5
Appanoose	3	0	1	3	0	1	4	2	0	1	2
Audubon	1	1	0	2	0	0	3	0	3	2	0
Benton	0	1	5	1	2	1	2	2	1	5	2
Black Hawk	17	14	17	15	11	9	18	21	35	26	34
Boone	0	2	4	3	3	4	4	4	3	5	4
Bremer	0	2	1	0	5	0	4	0	1	5	4
Buchanan	1	2	4	3	1	4	4	6	3	6	6
Buena Vista	0	2	2	4	1	0	3	2	5	2	3
Butler	1	0	0	2	1	2	2	1	2	4	2
Calhoun	0	2	0	0	3	2	3	2	0	3	2
Carroll	2	1	2	3	2	1	3	1	5	1	3
Cass	1	4	0	1	2	4	4	3	2	3	3
Cedar	3	2	0	2	2	2	2	2	1	5	3
Cerro Gordo	6	0	3	4	10	10	11	2	5	6	12
Cherokee	5	2	2	0	1	4	1	3	2	1	3
Chickasaw	0	1	0	3	0	3	1	3	2	1	4
Clarke	0	0	3	0	1	1	2	1	4	2	0
Clay	0	2	0	7	2	2	3	2	3	3	5
Clayton	0	3	3	2	1	3	3	2	1	2	5
Clinton	7	3	3	4	5	8	3	2	8	7	8
Crawford	1	1	1	1	6	3	1	6	4	7	2
Dallas	1	5	3	7	5	3	5	5	4	0	3
Davis	0	0	1	0	1	3	0	0	0	2	1
Decatur	0	0	1	0	0	0	0	1	0	1	2
Delaware	2	1	4	4	5	1	1	3	2	8	4
Des Moines	6	1	7	6	5	9	11	4	6	9	13
Dickinson	1	2	0	1	2	2	2	1	1	1	3
Dubuque	16	6	11	7	11	10	10	13	16	10	18
Emmet	1	2	1	1	3	2	0	4	5	3	7
Fayette	1	2	4	1	3	2	1	2	4	9	3
Floyd	0	0	0	1	0	6	5	2	0	2	2
Franklin	1	1	3	0	1	0	1	0	4	3	3
Fremont	0	2	0	1	2	1	0	1	1	1	0
Greene	1	0	2	0	1	0	1	0	2	4	1
Grundy	1	0	1	1	0	1	1	3	0	3	0
Guthrie	0	2	0	0	1	1	2	2	2	0	2
Hamilton	3	3	0	2	2	0	2	0	3	1	4
Hancock	2	2	0	0	1	1	0	4	2	3	9
Hardin	2	1	0	2	3	3	4	0	4	1	0
Harrison	1	0	0	1	2	5	1	1	2	0	3
Henry	0	3	2	2	1	3	0	2	1	1	9
Howard	1	0	1	0	2	1	1	2	1	0	3
Humboldt	2	1	1	4	0	1	4	0	0	0	1
Ida	0	2	0	1	0	1	1	1	2	0	1
Iowa	0	5	4	3	2	1	1	4	2	0	4
Jackson	1	4	5	1	3	4	2	1	2	4	5
Jasper	0	3	3	5	5	6	5	3	4	3	4

Table 1. Infant Mortality in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	3	1	0	0	0	1	5	0	1	3	1
Johnson	13	14	11	9	7	15	10	16	17	13	17
Jones	4	0	1	3	2	2	1	0	2	2	2
Keokuk	1	0	3	0	3	3	4	1	2	1	1
Kossuth	4	0	2	1	1	4	1	4	3	1	5
Lee	2	4	3	9	6	3	5	6	11	7	9
Linn	26	19	27	19	25	24	17	27	44	22	45
Louisa	4	2	2	1	3	0	2	2	3	1	2
Lucas	0	3	0	1	0	1	1	0	1	0	0
Lyon	1	0	0	0	2	0	1	4	2	1	0
Madison	1	0	0	1	1	1	1	1	1	0	3
Mahaska	1	3	2	4	1	2	3	3	3	4	1
Marion	1	4	3	3	5	3	0	5	3	4	2
Marshall	4	2	3	5	6	8	2	4	10	4	7
Mills	0	0	2	3	1	1	2	0	2	3	1
Mitchell	1	1	0	1	1	1	1	2	0	4	2
Monona	1	0	0	1	1	0	2	0	0	0	1
Monroe	0	1	2	3	1	0	1	1	1	2	2
Montgomery	1	1	5	0	0	1	1	0	0	1	4
Muscatine	2	6	6	5	8	4	3	7	11	12	7
O'Brien	2	1	0	1	1	1	0	1	4	1	4
Osceola	0	0	0	1	0	0	0	1	0	0	2
Page	0	1	6	1	0	1	2	5	1	1	4
Palo Alto	1	0	0	0	2	0	3	3	1	4	1
Plymouth	2	2	1	4	1	1	6	2	6	3	3
Pocahontas	0	0	1	1	0	2	1	1	1	2	0
Polk	57	59	51	60	46	70	50	52	44	59	72
Pottawattamie	5	11	7	18	12	22	12	16	25	21	18
Poweshiek	0	3	1	1	3	1	1	0	4	4	6
Ringgold	0	0	1	2	0	1	1	1	0	0	0
Sac	1	2	2	1	1	1	1	3	1	3	2
Scott	27	24	22	17	26	17	25	24	25	29	41
Shelby	3	3	2	0	0	1	0	1	0	2	4
Sioux	2	3	2	3	2	6	4	7	3	3	2
Story	10	3	5	7	7	11	8	8	5	8	9
Tama	2	0	2	0	1	3	1	2	2	2	5
Taylor	0	5	1	0	0	2	0	1	2	0	2
Union	1	1	1	0	1	0	0	0	1	0	0
Van Buren	1	1	1	0	0	2	2	1	1	4	0
Wapello	4	6	3	7	4	5	7	7	0	5	8
Warren	0	1	5	5	4	4	5	2	1	4	3
Washington	1	4	3	0	1	3	5	3	3	1	2
Wayne	1	0	0	0	0	0	1	1	1	1	2
Webster	5	5	7	7	5	7	9	4	10	6	12
Winnebago	0	1	0	1	5	1	1	3	3	0	0
Winneshiek	2	0	4	1	1	3	5	2	0	3	4
Woodbury	26	27	22	21	9	24	17	21	24	30	27
Worth	0	0	0	1	0	1	1	0	3	2	1
Wright	3	1	2	1	0	2	1	2	3	4	1
State of Iowa	317	321	330	343	327	389	376	385	453	456	565

Table 2. Infant Mortality Rates Per 1,000 Live Births in Iowa Counties for Selected Periods from 1980 through 1990.

County	1980- 1990	1987- 1990	1984- 1986	1980- 1983	County	1980- 1990	1987- 1990	1984- 1986	1980- 1983
Adair	3.1	2.6	2.9	3.6	Jefferson	6.5	5.1	9.0	5.8
Adams	9.1	7.5	14.9	6.6	Johnson	9.9	8.8	8.2	12.2
Allamakee	6.7	3.8	6.2	9.4	Jones	6.6	8.5	6.5	5.2
Appanoose	8.2	10.6	8.8	5.9	Keokuk	10.2	6.6	20.9	6.5
Audubon	10.1	11.4	9.0	10.0	Kossuth	8.0	7.1	7.3	9.1
Benton	6.3	5.9	5.4	7.4	Lee	10.3	8.8	8.2	12.8
Black Hawk	10.1	9.5	6.6	12.8	Linn	10.6	9.1	9.0	13.1
Boone	9.6	6.9	11.5	10.7	Louisa	12.3	14.5	11.1	11.1
Bremer	6.6	3.1	10.3	6.7	Lucas	5.2	9.5	5.6	1.7
Buchanan	9.9	7.9	8.7	12.1	Lyon	5.2	1.4	5.6	7.8
Buena Vista	7.3	7.2	4.4	9.4	Madison	5.7	3.2	6.6	7.6
Butler	7.0	4.1	7.7	8.7	Mahaska	7.6	8.4	6.2	7.8
Calhoun	10.0	3.9	18.1	9.4	Marion	7.3	7.1	6.6	7.8
Carroll	6.0	6.3	5.4	6.0	Marshall	8.9	7.2	9.6	9.7
Cass	11.2	8.1	15.2	10.9	Mills	7.7	7.9	7.6	7.6
Cedar	9.2	8.4	8.6	10.3	Mitchell	8.4	5.7	6.8	11.5
Cerro Gordo	9.2	5.0	15.0	8.7	Monona	4.0	4.5	8.0	1.5
Cherokee	10.6	12.6	9.7	9.5	Monroe	11.3	14.7	6.0	12.0
Chickasaw	7.8	5.7	6.6	9.9	Montgomery	7.6	11.5	4.3	6.5
Clarke	11.0	6.6	12.2	14.1	Muscatine	9.7	7.5	7.9	12.7
Clay	9.5	9.4	9.1	9.8	O'Brien	6.4	5.4	3.1	9.1
Clayton	7.9	8.1	8.4	7.5	Osceola	3.3	2.6	0.0	5.8
Clinton	6.9	6.2	7.1	7.3	Page	9.0	9.8	4.8	11.0
Crawford	11.1	4.2	13.0	15.4	Palo Alto	8.4	2.0	10.5	11.0
Dallas	8.7	9.6	10.4	6.7	Plymouth	7.5	6.8	7.2	8.3
Davis	5.6	2.1	10.4	5.2	Pocahontas	5.9	4.2	6.8	6.5
Decatur	4.1	2.5	0.0	8.0	Polk	11.1	10.9	11.1	11.3
Delaware	10.1	9.8	7.7	11.8	Pottawattamie	11.1	7.9	11.4	13.9
Des Moines	11.1	8.9	13.6	11.3	Poweshiek	9.6	5.9	7.5	13.9
Dickinson	8.0	6.2	11.2	7.2	Ringgold	7.8	14.1	9.7	2.9
Dubuque	8.7	8.2	8.1	9.6	Sac	9.3	10.2	5.9	10.9
Emmet	15.8	9.3	10.9	22.7	Scott	9.8	9.5	8.8	10.6
Fayette	8.9	7.1	6.4	11.6	Shelby	7.4	11.6	1.8	7.8
Floyd	6.9	1.2	15.9	5.6	Sioux	6.5	5.6	7.9	6.4
Franklin	9.6	9.4	3.9	13.8	Story	7.4	6.8	8.6	7.2
Fremont	7.1	7.4	8.4	6.0	Tama	7.4	4.6	6.8	10.0
Greene	7.4	6.4	4.5	9.8	Taylor	12.0	18.2	7.6	10.2
Grundy	6.2	5.5	4.3	7.9	Union	2.6	4.9	2.1	1.2
Guthrie	8.1	4.4	10.3	9.5	Van Buren	10.7	7.4	12.8	12.2
Hamilton	8.0	9.8	5.8	8.2	Wapello	10.2	10.9	10.9	9.1
Hancock	11.2	6.1	3.4	20.2	Warren	6.2	5.6	8.9	4.9
Hardin	6.8	5.8	12.7	3.8	Washington	8.1	6.8	10.6	7.6
Harrison	6.8	2.5	11.9	6.7	Wayne	7.0	3.1	3.8	12.4
Henry	8.5	7.2	5.3	11.7	Webster	10.9	10.1	11.4	11.3
Howard	7.4	3.9	9.1	8.9	Winnebago	8.2	3.2	13.9	8.5
Humboldt	7.9	15.1	10.0	1.3	Winneshiek	7.8	6.6	10.0	7.2
Ida	6.2	6.1	5.0	7.0	Woodbury	13.9	15.4	10.6	14.7
Iowa	11.2	14.9	6.5	11.2	Worth	7.3	2.5	6.0	12.1
Jackson	9.2	10.3	9.4	8.3	Wright	9.1	9.3	5.3	11.4
Jasper	8.0	6.2	11.8	7.0					
					State of Iowa	9.3	8.5	8.9	10.2

Figure 1. Infant mortality in Iowa, 1980-1990.

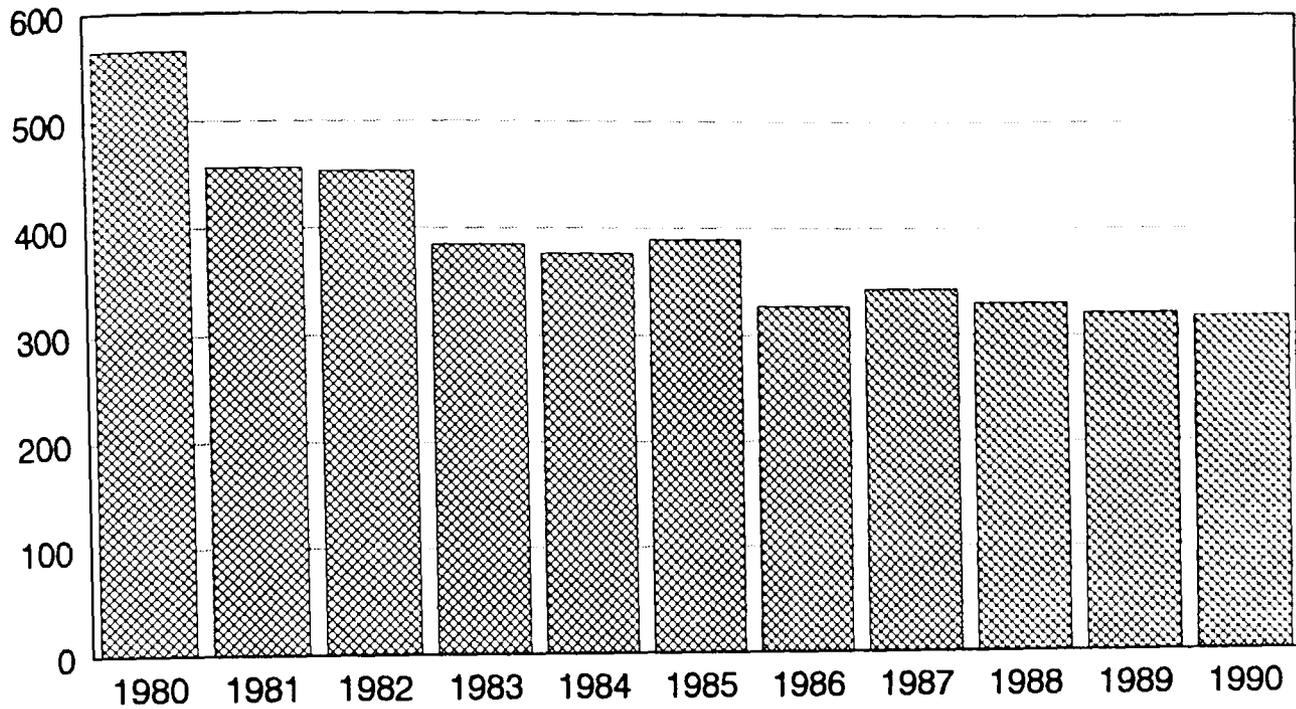
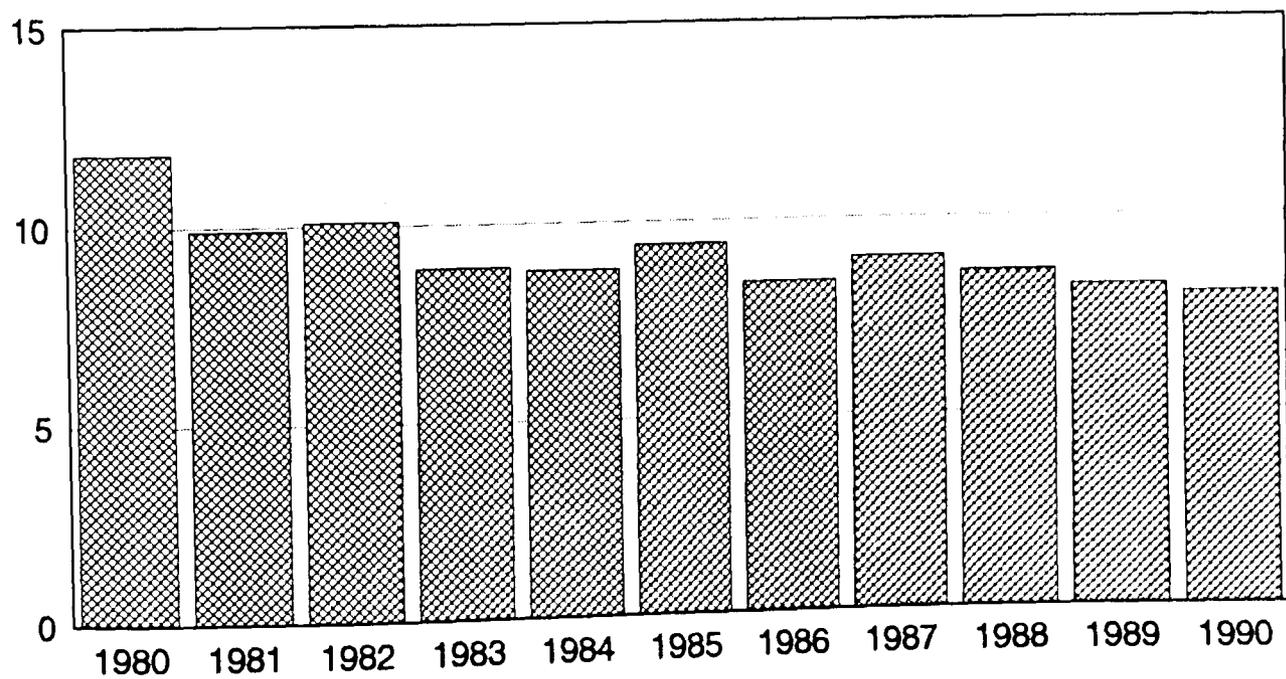


Figure 2. Infant mortality rate in Iowa, 1980-1990.



Public and Non-Public School Enrollment in Iowa's Counties: 1980-1991

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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 1991, 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 1991, 486,235 students were enrolled in public schools in Iowa (Table 1). This was about 47,500 fewer than the 533,756 reported in 1980. Declines occurred annually from 1980 through 1988, but slight gains took place from 1988 to 1991. About 10,000 more public school students were counted in 1991 than at the low point in 1988 (Figure 1).

Eighteen counties had more students in public schools in 1991 than 10 years earlier, although only four (Johnson, Polk, Story, Woodbury) had at least 500 more. Declines in the other 81 counties ranged from less than 200 in 32 counties to more than 500 in 20, although only five dropped by at least 1,000 students (Black Hawk, Clinton, Dubuque, Linn, Scott).

Only Carroll had at least 10% more public school students in 1991 than in 1981; gains in the other 17 ranged from 0.3% to 9.7%. Seventeen counties decreased by less than 5% from 1981 to 1991. Six (Butler, Chickasaw, Fayette, Floyd, Grundy, Jackson) declined by at least 15% in the last 10 years.

Enrollment in Non-Public Schools

A total of 45,873 non-public school students were enrolled in 1991 (Table 2). This was down 6,631 from the 52,504 reported in 1980. In only one year in this period was there a slight increase; there were 180 more non-public school students in 1988 than in 1987.

Thirty counties had no students enrolled in non-public schools from 1980 through 1991 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 of the decade.

Table 1. Public School Enrollment in Iowa Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1981-1991 Change	
													Number	Percent
Adair	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364	-119	-9.1
Adams	770	773	767	819	816	792	804	791	776	835	842	900	-72	-8.6
Allamakee	2762	2744	2770	2744	2798	2809	2882	2891	2982	3085	3098	3383	-336	-10.8
Appanoose	2518	2502	2485	2542	2575	2532	2473	2542	2595	2636	2712	2798	-194	-7.2
Audubon	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499	-206	-14.5
Benton	4322	4325	4297	4191	4233	4278	4306	4330	4439	4534	4735	4923	-413	-8.7
Black Hawk	18625	18791	18710	18570	18819	18981	19539	20094	20722	21170	21248	21869	-2623	-12.3
Boone	4043	3992	3934	3920	3874	3928	3948	3912	3956	3988	4129	4258	-86	-2.1
Bremer	5699	5594	5675	5639	5718	5853	6021	6129	6154	6273	6455	6697	-756	-11.7
Buchanan	3382	3424	3353	3305	3270	3180	3273	3357	3423	3517	3616	3704	-234	-6.5
Buena Vista	3445	3312	3130	3095	3039	3191	3076	3077	3061	3069	3140	3230	305	9.7
Butler	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291	-526	-16.5
Calhoun	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913	-220	-7.8
Carroll	3179	3069	2926	2863	2688	2648	2653	2674	2710	2799	2808	2952	371	13.2
Cass	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566	-196	-5.7
Cedar	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3848	3981	-208	-5.4
Cerro Gordo	7349	7320	7282	7344	7436	7301	7272	7294	7220	7212	7493	7721	-144	-1.9
Cherokee	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216	-314	-10.1
Chickasaw	2339	2367	2359	2388	2422	2477	2566	2613	2684	2771	2863	3061	-524	-18.3
Clarke	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694	78	4.7
Clay	3450	3419	3392	3366	3249	3245	3349	3349	3359	3339	3402	3513	48	1.4
Clayton	3769	3780	3785	3816	3789	3760	3876	3912	3950	4006	4067	4135	-298	-7.3
Clinton	9418	9325	9359	9374	9385	9626	9816	9950	10265	10635	10963	11262	-1545	-14.1
Crawford	3210	3243	3279	3428	3498	3577	3640	3622	3636	3729	3752	3788	-542	-14.4
Dallas	6776	6627	6417	6350	6355	6258	6249	6134	6113	6147	6358	6456	418	6.6
Davis	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608	-177	-11.1
Decatur	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687	-232	-13.7
Delaware	3608	3581	3453	3464	3427	3400	3394	3434	3680	3599	3679	3790	-71	-1.9
Des Moines	7715	7762	7750	7765	7820	7813	7762	7789	7805	8031	8253	8607	-538	-6.5
Dickinson	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938	-61	-2.2
Dubuque	11893	11869	12019	12232	12814	13105	12408	12643	12941	13370	13855	14644	-1962	-14.2
Emmet	2271	2278	2324	2332	2308	2300	2369	2655	2516	2557	2657	2677	-386	-14.5
Fayette	4440	4449	4396	4412	4435	4509	4724	4853	5164	5256	5334	5665	-894	-16.8
Floyd	3207	3174	3142	3211	3238	3253	3350	3510	3565	3719	3860	4004	-653	-16.9
Franklin	1941	1985	1856	1762	1733	1808	1806	1819	1887	1865	1896	1945	45	2.4
Fremont	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769	-24	-1.4
Greene	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329	-227	-10.2
Grundy	2261	2223	2267	2314	2341	2418	2488	2571	2622	2716	2825	2855	-564	-20.0
Guthrie	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885	-304	-11.0
Hamilton	3088	3099	3184	3056	3081	3055	3107	3176	3235	3318	3406	3539	-318	-9.3
Hancock	2397	2393	2352	2402	2390	2381	2404	2365	2424	2443	2537	2583	-140	-5.5
Hardin	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4532	4786	-510	-11.3
Harrison	3032	3016	2926	3049	3074	3041	3105	3208	3232	3309	3374	3476	-342	-10.1
Henry	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764	189	5.1
Howard	2143	2119	2063	2055	2045	2080	2103	2101	2223	2284	2336	2479	-193	-8.3
Humboldt	1948	1912	1899	1887	1927	1897	1967	1991	2027	2124	2234	2339	-286	-12.8
Ida	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513	139	9.6
Iowa	2913	2828	2635	2587	2604	2639	2698	2651	2719	2827	2953	3116	-40	-1.4
Jackson	3675	3621	3588	3655	3753	3730	3809	3998	4203	4205	4321	4455	-646	-15.0
Jasper	6439	6344	6338	6319	6452	6428	6463	6456	6598	6590	6897	7034	-458	-6.6

Table 1. Public School Enrollment in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1981-1991 Change	
													Number	Percent
Jefferson	2102	1977	1976	2020	2017	2036	2120	2246	2282	2349	2467	2596	-365	-14.8
Johnson	11388	11070	10953	11036	10553	10358	10298	10140	10183	10357	10381	10596	1007	9.7
Jones	3211	3214	3304	3279	3315	3367	3470	3517	3546	3637	3702	3950	-491	-13.3
Keokuk	2437	2447	2436	2410	2429	2395	2451	2450	2402	2362	2480	2618	-43	-1.7
Kossuth	2679	2702	2649	2561	2487	2583	2718	2754	2807	2883	2986	3183	-307	-10.3
Lee	6533	6380	6287	6323	6535	6550	6532	6483	6607	6771	6815	7035	-282	-4.1
Linn	28745	28410	28424	28743	28804	28960	29454	29960	30566	31391	32196	33286	-3451	-10.7
Louisa	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115	-321	-10.6
Lucas	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832	-186	-10.5
Lyon	2256	2264	2276	2288	2318	2286	2239	2206	2227	2316	2379	2415	-123	-5.2
Madison	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972	-70	-2.4
Mahaska	3286	3294	3273	3241	3223	3259	3262	3323	3304	3280	3235	3314	51	1.6
Marion	5468	5424	5332	5387	5313	5266	5320	5382	5384	5385	5525	5634	-57	-1.0
Marshall	6721	6816	6751	6775	6947	6936	6959	7124	7358	7473	7655	8043	-934	-12.2
Mills	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587	-40	-1.5
Mitchell	1819	1810	1807	1814	1836	1808	1780	1816	1831	1896	1987	2142	-168	-8.5
Monona	1858	1832	1825	1831	1841	1844	1879	1914	1930	2007	2095	2182	-237	-11.3
Monroe	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567	-142	-9.4
Montgomery	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309	-64	-2.8
Muscatine	7842	7689	7602	7449	7554	7585	7536	7508	7702	7775	7815	7937	27	.3
O'Brien	2930	2926	2835	2833	2804	2799	2804	2774	2807	2848	2910	2994	20	.7
Osceola	984	955	935	938	959	943	949	971	993	1012	1018	1153	-34	-3.3
Page	3161	3201	3208	3132	3156	3130	3169	3196	3162	3188	3243	3313	-82	-2.5
Palo Alto	2076	2048	2035	2070	2106	2001	2038	2087	2150	2220	2326	2465	-250	-10.7
Plymouth	4322	4182	4081	4067	4047	3932	3894	3888	3865	3993	4057	4265	265	6.5
Pocahontas	1665	1798	1668	1636	1663	1683	1722	1802	1844	1914	1951	2045	-286	-14.7
Polk	53999	53727	52029	51474	51340	51072	51299	51062	51197	51834	53303	54885	696	1.3
Pottawattamie	16113	15931	15667	15638	15880	15914	15981	16054	16364	16551	17062	17599	-949	-5.6
Poweshiek	3102	3011	3019	3088	3155	3098	3102	3153	3203	3318	3432	3517	-330	-9.6
Ringgold	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141	-87	-7.7
Sac	2401	2478	2426	2379	2423	2371	2368	2381	2447	2518	2552	2654	-151	-5.9
Scott	28422	27841	27703	27634	28112	28386	29035	30002	30567	30783	31522	32336	-3100	-9.8
Shelby	2486	2425	2349	2320	2328	2371	2451	2572	2621	2650	2778	2964	-292	-10.5
Sioux	3888	4018	3895	3868	3816	3730	3737	3684	3750	3741	3835	3965	53	1.4
Story	10506	10166	9973	9828	9758	9513	9543	9502	9577	9638	9888	10252	618	6.3
Tama	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988	-525	-13.7
Taylor	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597	-210	-13.6
Union	2392	2375	2452	2447	2463	2483	2494	2568	2574	2568	2598	2674	-206	-7.9
Van Buren	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686	-187	-11.6
Wapello	6667	6544	6537	6562	6795	6909	7121	7306	7313	7403	7556	7856	-889	-11.8
Warren	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467	-3	0.0
Washington	3495	3455	3373	3392	3403	3411	3398	3447	3470	3548	3579	3702	-84	-2.3
Wayne	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414	-119	-8.5
Webster	6069	6130	6093	6164	6138	6283	6278	6359	6457	6607	7029	7358	-960	-13.7
Winnebago	2860	2901	2844	2766	2795	2771	2759	2744	2758	2751	2829	2975	31	1.1
Winneshiek	2725	2663	2605	2647	2598	2590	2573	2540	2572	2704	2771	2882	-46	-1.7
Woodbury	18203	17661	17618	17422	17485	17169	16984	16953	17146	17062	17401	17994	802	4.6
Worth	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429	-192	-13.6
Wright	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212	-257	-8.4
State of Iowa	486235	482171	476605	476114	478982	479282	483444	488673	495821	503545	516174	533756	-29939	-5.8

Table 2. Non-Public School Enrollment in Iowa Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1981-1991 Change	
													Number	Percent
Adair	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	---
Allamakee	197	187	183	199	192	207	219	214	217	215	190	185	7	3.7
Appanoose	54	89	88	81	111	110	95	106	119	113	113	108	-59	-52.2
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Benton	123	161	152	143	139	102	131	144	149	156	151	164	-28	-18.5
Black Hawk	3731	3832	3715	3806	3809	3754	3725	3827	3858	3776	3726	3781	5	0.1
Boone	252	277	306	331	337	329	329	338	317	285	264	242	-12	-4.5
Bremer	263	375	376	393	399	391	301	322	336	405	395	397	-132	-33.4
Buchanan	267	252	260	311	315	340	375	390	422	446	448	430	-181	-40.4
Buena Vista	327	335	295	325	353	356	348	367	365	364	358	372	-31	-8.7
Butler	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	---
Carroll	1848	1862	1884	1877	1959	1989	2013	2075	2138	2226	2331	2441	-483	-20.7
Cass	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Cedar	0	0	0	0	0	0	0	0	0	0	11	11	-11	-100.0
Cerro Gordo	793	773	813	733	667	822	732	757	750	758	671	674	122	18.2
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Chickasaw	165	166	177	190	175	187	195	206	222	220	238	240	-73	-30.7
Clarke	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Clay	153	152	155	173	194	185	178	189	193	195	203	214	-50	-24.6
Clayton	162	160	164	167	173	168	158	179	183	184	193	207	-31	-16.1
Clinton	545	570	569	643	737	828	900	939	940	950	906	965	-361	-39.8
Crawford	310	354	351	352	376	363	361	403	445	417	422	433	-112	-26.5
Dallas	177	277	294	306	311	218	200	236	245	236	212	218	-35	-16.5
Davis	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	---
Delaware	341	322	333	312	298	303	285	280	255	260	277	279	64	23.1
Des Moines	396	403	368	464	491	511	446	451	407	443	494	482	-98	-19.8
Dickinson	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Dubuque	6357	6148	6572	6747	6649	6895	7244	7506	7807	8046	8472	8762	-2115	-25.0
Emmet	45	48	22	18	20	28	23	0	0	0	0	0	45	---
Fayette	292	306	335	352	339	340	325	344	330	331	335	342	-43	-12.8
Floyd	210	244	262	283	237	256	252	250	267	279	280	265	-70	-25.0
Franklin	44	59	52	62	59	32	34	39	36	41	27	28	17	63.0
Fremont	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	---
Grundy	61	74	74	82	78	70	72	69	70	67	58	49	3	5.2
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Hamilton	83	84	97	105	92	103	105	93	96	100	105	105	-22	-21.0
Hancock	70	75	74	60	56	61	62	69	70	66	72	67	-2	-2.8
Hardin	0	0	0	0	0	0	0	0	0	0	14	15	-14	-100.0
Harrison	45	56	65	65	68	78	78	73	65	64	65	59	-20	-30.8
Henry	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Howard	214	263	262	279	301	298	295	287	289	291	306	313	-92	-30.1
Humboldt	181	170	132	134	147	149	147	152	142	120	121	127	60	49.6
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Iowa	196	222	218	228	191	219	224	236	247	238	243	240	-47	-19.3
Jackson	549	559	595	593	605	608	631	642	662	634	660	676	-111	-16.8
Jasper	200	212	221	239	220	226	230	234	218	213	205	210	-5	-2.4

Table 2. Non-Public School Enrollment in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1981-1991 Change	
													Number	Percent
Jefferson	418	0	575	493	353	293	218	262	246	104	0	0	418	---
Johnson	720	766	633	609	583	571	584	586	601	604	586	610	134	22.9
Jones	218	242	225	244	267	282	264	268	274	268	280	286	-62	-22.1
Keokuk	0	0	0	15	0	0	0	0	95	102	102	111	-102	-100.0
Kossuth	956	934	967	1065	1287	1130	1180	1218	1294	1328	1370	1425	-414	-30.2
Lee	966	1053	1079	1148	1143	1195	1234	1350	1383	1382	1413	1390	-447	-31.6
Linn	2953	3089	2973	3084	3080	3130	3162	3277	3286	3328	3359	3389	-406	-12.1
Louisa	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	---
Lyon	126	125	156	158	163	174	189	186	188	187	183	175	-57	-31.1
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Mahaska	208	220	211	221	227	213	197	190	192	203	189	183	19	10.1
Marion	831	838	826	837	812	795	785	784	778	748	736	729	95	12.9
Marshall	377	375	383	364	347	350	361	383	410	418	396	301	-19	-4.8
Mills	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Mitchell	190	195	201	199	232	247	243	240	252	250	240	255	-50	-20.8
Monona	72	79	68	88	81	88	88	88	90	93	91	91	-19	-20.9
Monroe	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	---
Muscatine	230	223	223	252	270	263	256	272	269	261	279	268	-49	-17.6
O'Brien	508	548	573	596	593	560	547	516	547	559	550	565	-42	-7.6
Osceola	55	57	73	94	101	110	112	103	114	114	116	122	-61	-52.6
Page	87	87	91	95	99	109	93	107	111	100	94	76	-7	-7.4
Palo Alto	261	279	276	276	268	263	262	275	272	259	259	268	2	0.8
Plymouth	982	1001	1014	1004	1021	1051	1046	1058	1082	1096	1097	1139	-115	-10.5
Pocahontas	189	181	175	131	137	135	150	148	150	154	177	186	12	6.8
Polk	4946	5197	5091	5302	5278	5617	5646	5714	5689	5586	5480	5529	-534	-9.7
Pottawattamie	913	991	1023	1038	1081	1048	903	922	944	902	936	926	-23	-2.5
Poweshiek	22	35	21	17	13	9	8	8	8	0	0	0	22	---
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Sac	0	0	54	61	61	55	55	68	78	79	63	67	-63	-100.0
Scott	2691	2880	2999	2712	2683	2674	2805	2728	2796	2901	2978	2908	-287	-9.6
Shelby	339	319	323	342	350	335	335	347	374	399	408	404	-69	-16.9
Sioux	2892	2809	2869	2840	2686	2663	2634	2608	2354	2380	2423	2459	469	19.4
Story	167	182	197	186	186	173	184	185	189	190	187	191	-20	-10.7
Tama	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	---
Union	123	128	130	127	146	130	94	96	105	119	125	122	-2	-1.6
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Wapello	120	136	142	150	143	150	102	107	138	137	137	106	-17	-12.4
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Washington	272	299	307	315	284	314	312	295	296	289	280	286	-8	-2.9
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	---
Webster	1166	1238	1260	1478	1308	1318	1375	1385	1435	1436	1491	1508	-325	-21.8
Winnebago	17	16	13	13	11	14	12	12	12	9	10	11	7	70.0
Winneshiek	529	605	558	548	543	560	561	537	537	532	533	525	-4	-0.8
Woodbury	2678	2730	2786	2833	2873	2909	2848	2928	2898	2839	2822	2792	-144	-5.1
Worth	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	---
State of Iowa	45873	46924	47959	48988	48808	49454	49558	50668	51339	51495	51956	52504	-6083	-11.7

Table 3. Total (Public and Non-Public) School Enrollment in Iowa Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1981-1991 Change	
													Number	Percent
Adair	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364	-119	-9.1
Adams	770	773	767	819	816	792	804	791	776	835	842	900	-72	-8.6
Allamakee	2959	2931	2953	2943	2990	3016	3101	3105	3199	3300	3288	3568	-329	-10.0
Appanoose	2572	2591	2573	2623	2686	2642	2568	2648	2714	2749	2825	2906	-253	-9.0
Audubon	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499	-206	-14.5
Benton	4445	4486	4449	4334	4372	4380	4437	4474	4588	4690	4886	5087	-441	-9.0
Black Hawk	22356	22623	22425	22376	22628	22735	23264	23921	24580	24946	24974	25650	-2618	-10.5
Boone	4295	4269	4240	4251	4211	4257	4277	4250	4273	4273	4393	4500	-98	-2.2
Bremer	5962	5969	6051	6032	6117	6244	6322	6451	6490	6678	6850	7094	-888	-13.0
Buchanan	3649	3676	3613	3616	3585	3520	3648	3747	3845	3963	4064	4134	-415	-10.2
Buena Vista	3772	3647	3425	3420	3392	3547	3424	3444	3426	3433	3498	3602	274	7.8
Butler	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291	-526	-16.5
Calhoun	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913	-220	-7.8
Carroll	5027	4931	4810	4740	4647	4637	4666	4749	4848	5025	5139	5393	-112	-2.2
Cass	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566	-196	-5.7
Cedar	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3859	3992	-219	-5.7
Cerro Gordo	8142	8093	8095	8077	8103	8123	8004	8051	7970	7970	8164	8395	-22	-.3
Cherokee	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216	-314	-10.1
Chickasaw	2504	2533	2536	2578	2597	2664	2761	2819	2906	2991	3101	3301	-597	-19.3
Clarke	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694	78	4.7
Clay	3603	3571	3547	3539	3443	3430	3527	3538	3552	3534	3605	3727	-2	-.1
Clayton	3931	3940	3949	3983	3962	3928	4034	4091	4133	4190	4260	4342	-329	-7.7
Clinton	9963	9895	9928	10017	10122	10454	10716	10889	11205	11585	11869	12227	-1906	-16.1
Crawford	3520	3597	3630	3780	3874	3940	4001	4025	4081	4146	4174	4221	-654	-15.7
Dallas	6953	6904	6711	6656	6666	6476	6449	6370	6358	6383	6570	6674	383	5.8
Davis	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608	-177	-11.1
Decatur	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687	-232	-13.7
Delaware	3949	3903	3786	3776	3725	3703	3679	3714	3935	3859	3956	4069	-7	-.2
Des Moines	8111	8165	8118	8229	8311	8324	8208	8240	8212	8474	8747	9089	-636	-7.3
Dickinson	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938	-61	-2.2
Dubuque	18250	18017	18591	18979	19463	20000	19652	20149	20748	21416	22327	23406	-4077	-18.3
Emmet	2316	2326	2346	2350	2328	2328	2392	2655	2516	2557	2657	2677	-341	-12.8
Fayette	4732	4755	4731	4764	4774	4849	5049	5197	5494	5587	5669	6007	-937	-16.5
Floyd	3417	3418	3404	3494	3475	3509	3602	3760	3832	3998	4140	4269	-723	-17.5
Franklin	1985	2044	1908	1824	1792	1840	1840	1858	1923	1906	1923	1973	62	3.2
Fremont	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769	-24	-1.4
Greene	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329	-227	-10.2
Grundy	2322	2297	2341	2396	2419	2488	2560	2640	2692	2783	2883	2904	-561	-19.5
Guthrie	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885	-304	-11.0
Hamilton	3171	3183	3281	3161	3173	3158	3212	3269	3331	3418	3511	3644	-340	-9.7
Hancock	2467	2468	2426	2462	2446	2442	2466	2434	2494	2509	2609	2650	-142	-5.4
Hardin	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4546	4801	-524	-11.5
Harrison	3077	3072	2991	3114	3142	3119	3183	3281	3297	3373	3439	3535	-362	-10.5
Henry	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764	189	5.1
Howard	2357	2382	2325	2334	2346	2378	2398	2388	2512	2575	2642	2792	-285	-10.8
Humboldt	2129	2082	2031	2021	2074	2046	2114	2143	2169	2244	2355	2466	-226	-9.6
Ida	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513	139	9.6
Iowa	3109	3050	2853	2815	2795	2858	2922	2887	2966	3065	3196	3356	-87	-2.7
Jackson	4224	4180	4183	4248	4358	4338	4440	4640	4865	4839	4981	5131	-757	-15.2
Jasper	6639	6556	6559	6558	6672	6654	6693	6690	6816	6803	7102	7244	-463	-6.5

Table 3. Total (Public and Non-Public) School Enrollment in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1981-1991 Change	
													Number	Percent
Jefferson	2520	1977	2551	2513	2370	2329	2338	2508	2528	2453	2467	2596	53	2.1
Johnson	12108	11836	11586	11645	11136	10929	10882	10726	10784	10961	10967	11206	1141	10.4
Jones	3429	3456	3529	3523	3582	3649	3734	3785	3820	3905	3982	4236	-553	-13.9
Keokuk	2437	2447	2436	2425	2429	2395	2451	2450	2497	2464	2582	2729	-145	-5.6
Kossuth	3635	3636	3616	3626	3774	3713	3898	3972	4101	4211	4356	4608	-721	-16.6
Lee	7499	7433	7366	7471	7678	7745	7766	7833	7990	8153	8228	8425	-729	-8.9
Linn	31698	31499	31397	31827	31884	32090	32616	33237	33852	34719	35555	36675	-3857	-10.8
Louisa	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115	-321	-10.6
Lucas	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832	-186	-10.5
Lyon	2382	2389	2432	2446	2481	2460	2428	2392	2415	2503	2562	2590	-180	-7.0
Madison	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972	-70	-2.4
Mahaska	3494	3514	3484	3462	3450	3472	3459	3513	3496	3483	3424	3497	70	2.0
Marion	6299	6262	6158	6224	6125	6061	6105	6166	6162	6133	6261	6363	38	.6
Marshall	7098	7191	7134	7139	7294	7286	7320	7507	7768	7891	8051	8344	-953	-11.8
Mills	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587	-40	-1.5
Mitchell	2009	2005	2008	2013	2068	2055	2023	2056	2083	2146	2227	2397	-218	-9.8
Monona	1930	1911	1893	1919	1922	1932	1967	2002	2020	2100	2186	2273	-256	-11.7
Monroe	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567	-142	-9.4
Montgomery	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309	-64	-2.8
Muscatine	8072	7912	7825	7701	7824	7848	7792	7780	7971	8036	8094	8205	-22	-.3
O'Brien	3438	3474	3408	3429	3397	3359	3351	3290	3354	3407	3460	3559	-22	-.6
Osceola	1039	1012	1008	1032	1060	1053	1061	1074	1107	1126	1134	1275	-95	-8.4
Page	3248	3288	3299	3227	3255	3239	3262	3303	3273	3288	3337	3389	-89	-2.7
Palo Alto	2337	2327	2311	2346	2374	2264	2300	2362	2422	2479	2585	2733	-248	-9.6
Plymouth	5304	5183	5095	5071	5068	4983	4940	4946	4947	5089	5154	5404	150	2.9
Pocahontas	1854	1979	1843	1767	1800	1818	1872	1950	1994	2068	2128	2231	-274	-12.9
Polk	58945	58924	57120	56776	56618	56689	56945	56776	56886	57420	58783	60414	162	.3
Pottawattamie	17026	16922	16690	16676	16961	16962	16884	16976	17308	17453	17998	18525	-972	-5.4
Poweshiek	3124	3046	3040	3105	3168	3107	3110	3161	3203	3318	3432	3517	-308	-9.0
Ringgold	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141	-87	-7.7
Sac	2401	2478	2480	2440	2484	2426	2423	2449	2525	2597	2615	2721	-214	-8.2
Scott	31113	30721	30702	30346	30795	31060	31840	32730	33363	33684	34500	35244	-3387	-9.8
Shelby	2825	2744	2672	2662	2678	2706	2786	2919	2995	3049	3186	3368	-361	-11.3
Sioux	6780	6827	6764	6708	6502	6393	6371	6292	6104	6121	6258	6424	522	8.3
Story	10673	10348	10170	10014	9944	9686	9727	9687	9766	9828	10075	10443	598	5.9
Tama	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988	-525	-13.7
Taylor	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597	-210	-13.6
Union	2515	2503	2582	2574	2609	2613	2588	2664	2679	2687	2723	2796	-208	-7.6
Van Buren	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686	-187	-11.6
Wapello	6787	6680	6679	6712	6938	7059	7223	7413	7451	7540	7693	7962	-906	-11.8
Warren	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467	-3	0.0
Washington	3767	3754	3680	3707	3687	3725	3710	3742	3766	3837	3859	3988	-92	-2.4
Wayne	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414	-119	-8.5
Webster	7235	7368	7353	7642	7446	7601	7653	7744	7892	8043	8520	8866	-1285	-15.1
Winnebago	2877	2917	2857	2779	2806	2785	2771	2756	2770	2760	2839	2986	38	1.3
Winneshiek	3254	3268	3163	3195	3141	3150	3134	3077	3109	3236	3304	3407	-50	-1.5
Woodbury	20881	20391	20404	20255	20358	20078	19832	19881	20044	19901	20223	20786	658	3.3
Worth	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429	-192	-13.6
Wright	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212	-257	-8.4
State of Iowa	532108	529095	524564	525102	527790	528736	533002	539341	547160	555040	568130	586260	-36022	-6.3

Of the 62 counties with non-public school students in both 1981 and in 1991, 14 had increases among these students and 48 had decreases. Gains ranged from less than 20 in eight counties to more than 100 in three (Cerro Gordo, Johnson, Sioux). Declines had a much greater range; 10 counties had decreases among non-public school students that were less than 20, but 15 dropped by more than 100. The greatest decrease occurred in Dubuque (-2,115); losses of 400-550 occurred in Carroll, Kossuth, Lee, Linn, and Polk.

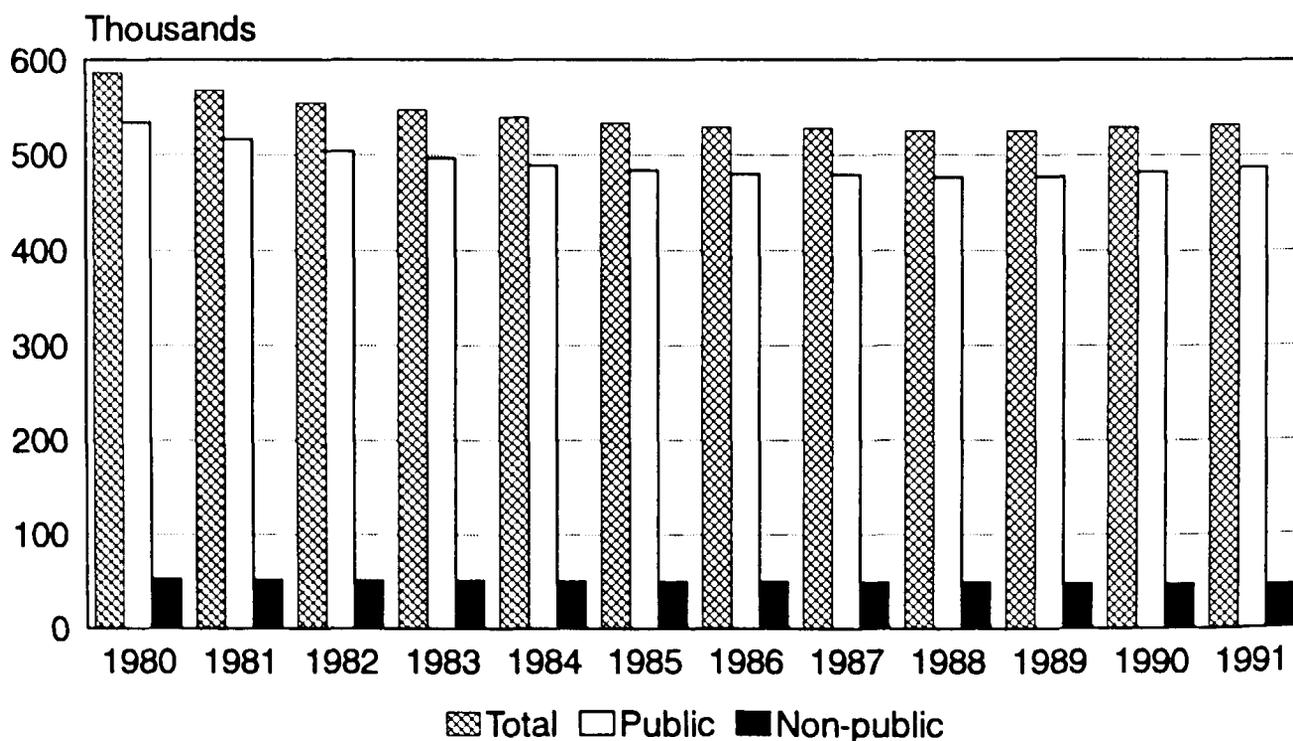
Total School Enrollment

When the public and non-public figures are added, the total enrollment was 586,260 in 1980 and 532,108 in 1991 (Table 3). The only increases in total student numbers occurred from 1989 to 1991.

The total number of students increased in 16 counties when 1981 and 1991 were compared. Four of these (Johnson, Sioux, Story, Woodbury) reported at least 500 more students at the end of the decade than at the beginning. Declines among total students were more common; only 19 of the 83 counties with fewer students in 1991 than in 1981 dropped by less than 100. Six (Black Hawk, Clinton, Dubuque, Linn, Scott, Webster) were down by at least 1,000. Another 17 counties had at least 500 fewer total students enrolled in 1991 than in 1981.

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, 1980-1991.



Estimates of Public Secondary School Dropouts in Iowa's Counties: 1980-1991

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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 1991 dropouts are those who left school between July 1, 1990, and June 30, 1991. 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 5,030 for 1991 (Table 1). That's the lowest number of Iowa dropouts during the 12 years from 1980 through 1991. The decline from 1980 to 1983 was greater than 3,000. Since then, the number of dropouts has ranged within 500 of the total recorded in 1983 except for 1989 (Figure 1).

Polk county had the highest number of dropouts during each of the 12 years; it was the only county with as many as 750 dropouts each year. Other counties with at least 100 dropouts each year included Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Some counties had very few or no dropouts in selected years. Adams, Audubon, Ida, Osceola, Ringgold, and Taylor had 10 or fewer dropouts in at least 11 of the 12 years.

The state as a whole and all counties had years between 1981 and 1991 when the number of dropouts increased and other years when the number decreased. Eighty-two counties had fewer dropouts in 1991 than in 1981. Of these 82 counties, 56 had decreases of 20 or fewer dropouts. Three (Dubuque, Linn, Pottawattamie) had at least 100 fewer dropouts in 1991 than in 1981, with Linn's decline of 279 the largest. Fifteen counties had more dropouts in 1991 than in 1981, with the range of increase from 1 (Adams, Lyon, Pocahontas) to 48 (Polk); Woodbury (+30) was the only other county with at least seven more dropouts in 1991 than 10 years earlier.

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 1980 and 1991. All but one (Mills, no change) of Iowa's 99 counties had fewer secondary enrollees in 1991 than in 1981. Comparisons of 1981 with 1991 revealed that there were 66,000 fewer secondary school students in Iowa at the end of the period than at the beginning; drops were greater than 1,000 enrollees in 13 counties, topped by three (Linn, Polk, Scott) that decreased by at least 3,000.

Percentage of Dropouts

In 1991, 2.5% of public secondary enrollees in Iowa became dropouts. This was lower than the 3.0% calculated in 1980 (Table 2). During the 12-year period, the lowest dropout percentages for the state were 2.0 in 1983 and 2.1 in 1984. The proportion of dropouts for Iowa decreased every year from 1980 to 1983, increased between 1983 and 1987, and remained relatively stable since (Figure 2).

There were significant variations among the counties in the percentage of students that dropped out. Nineteen counties had fewer than 1% of their secondary students leave school in 1991. Black Hawk had the highest dropout rate (6.4%). Nine (Adams, Appanoose, Cerro Gordo, Clinton, Lee, Polk, Scott, Wayne, Woodbury) had percentages ranging from 3.0 to 4.7, and four others (Marshall, Page, Pottawattamie, Webster) also were above the state figure (2.5%) in 1991. The pattern 10 years earlier was somewhat different. In 1981, only 11 counties had fewer than 1% of their secondary students drop out and 27 counties were above the state figure (2.5%). Black Hawk county's dropout percentage (4.7%) was the highest in 1981 and 18 other counties were at 3.0% or higher.

A total of 61 counties had a lower percentage of students drop out in 1991 than in 1981 while 30 counties were higher and eight remained the same. Some counties, however, were consistently among those with the highest percentages while others were consistently among the lowest. Counties among the 10 highest percentages of dropouts for at least 6 of the 12 years included Appanoose, Black Hawk, Lee, Lucas, Muscatine, Polk, Pottawattamie, and Scott. Counties among the 10 lowest for at least 6 of the 12 years were Adair, Grundy, Hancock, Howard, Lyon, Osceola, Pocahontas, and Taylor.

Note: Additional information on public secondary school dropouts is published annually in the IOWA GUIDANCE SURVEYS by 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, 1980-1991.¹

County	1991 ²		1990		1989		1988		1987		1986		1985		1984		1983		1982		1981		1980	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Adair	3	519	4	489	0	487	0	519	4	529	6	561	2	574	3	589	6	616	12	629	11	678	1	736
Adams	9	300	12	361	3	356	3	367	3	365	4	350	1	364	5	368	0	401	4	421	8	452	7	507
Allamakee	25	1233	13	1313	26	1309	12	1344	17	1362	15	1459	11	1499	15	1569	20	1655	36	1738	34	1849	38	1910
Appanoose	41	1089	45	1186	34	1188	31	1219	59	1221	24	1154	33	1193	34	1234	19	1242	52	1266	58	1326	64	1425
Audubon	8	513	0	507	6	522	5	542	2	575	6	600	4	648	10	687	5	733	13	764	10	811	9	861
Benton	30	1770	33	1874	26	1832	33	1864	21	1960	28	2013	39	2159	39	2257	37	2307	67	2442	63	2580	91	2615
Black Hawk	493	7668	488	7653	516	8075	422	8316	388	8446	374	8647	454	9268	355	9476	345	9777	402	10159	491	10527	549	11264
Boone	21	1639	34	1729	45	1784	30	1825	43	1900	30	1915	38	2024	41	1993	60	2027	39	2095	44	2181	74	2252
Bremer	17	2457	32	2615	21	2665	27	2716	29	2879	29	3011	31	3144	20	3208	26	3236	40	3317	45	3345	72	3447
Buchanan	19	1454	21	1518	28	1462	28	1457	35	1488	22	1532	37	1605	40	1656	41	1710	40	1814	52	1906	52	1950
Buena Vista	30	1423	30	1505	26	1421	24	1339	27	1375	18	1400	17	1476	13	1420	9	1430	18	1508	25	1618	35	1733
Butler	13	1144	11	1146	11	1239	8	1683	9	1334	8	1354	10	1431	18	1499	6	1527	14	1570	21	1624	19	1681
Calhoun	13	1064	10	1066	8	1066	8	1111	7	1130	5	1191	9	1289	8	1310	10	1331	19	1432	11	1474	33	1591
Carroll	10	1130	10	1164	10	1165	15	1165	15	1177	14	1167	20	1260	12	1295	15	1370	15	1347	22	1408	29	1412
Cass	26	1334	18	1367	27	1391	24	1444	21	1459	18	1475	18	1531	21	1602	16	1632	29	1734	31	1797	38	1871
Cedar	22	1574	11	1575	10	1593	18	1576	14	1618	20	1659	27	1781	23	1836	22	1911	24	1978	22	2055	29	2164
Cerro Gordo	96	2905	70	3160	93	3194	60	3231	223	3269	74	3520	101	3623	77	3471	127	3402	119	3589	110	3709	165	4046
Cherokee	16	1206	19	1228	18	1196	19	1276	8	1267	8	1332	12	1362	15	1419	16	1449	44	1513	36	1574	45	1638
Chickasaw	17	1075	9	1099	15	1136	13	1187	16	1244	17	1299	15	1369	10	1431	14	1487	27	1567	22	1677	31	1714
Clarke	12	746	20	727	10	720	7	743	12	767	4	804	9	771	11	816	8	798	12	799	8	809	27	798
Clay	15	1495	17	1469	25	1459	19	1421	37	1429	19	1535	21	1574	32	1640	28	1676	42	1686	52	1760	20	1851
Clayton	28	1680	11	1746	19	1732	16	1726	16	1744	19	1744	23	1828	27	1900	31	1938	34	2033	42	2140	60	2262
Clinton	175	3914	92	4229	109	4227	77	4345	103	4576	89	4815	92	5037	94	5192	130	5375	198	5639	180	5809	255	5941
Crawford	18	1491	21	1551	12	1559	16	1691	10	1715	10	1749	13	1781	18	1792	18	1833	19	1910	31	1992	43	2064
Dallas	64	2697	40	2705	30	2736	67	2759	62	2874	75	2946	39	3018	46	2999	60	3007	69	3123	85	3075	90	3146
Davis	13	606	15	670	9	667	11	694	11	694	12	702	14	728	13	744	26	744	19	767	22	793	47	836
Decatur	14	642	13	643	12	664	13	725	11	716	9	720	13	758	18	817	13	817	28	817	25	843	32	858
Delaware	21	1471	18	1484	26	1521	23	1543	35	1625	26	1740	28	1809	18	1855	29	1916	29	2034	26	2099	39	2240
Des Moines	70	3113	68	3573	79	3469	55	3581	116	3917	178	3790	179	3994	189	3791	124	3962	108	4259	151	4363	156	4589
Dickinson	12	1199	12	1277	10	1245	25	1184	15	1274	15	1306	14	1350	15	1333	14	1342	24	1387	27	1433	36	1493
Dubuque	130	5546	140	6088	201	6262	150	6554	146	6781	145	6845	205	7119	170	7191	207	7409	238	7801	239	8071	325	8135
Emmet	16	1018	18	1100	17	1110	24	1124	12	1145	18	1129	21	1189	10	1221	18	1223	24	1296	21	1307	31	1328
Fayette	19	2003	27	2036	17	2072	32	2189	28	2257	15	2384	33	2497	46	2653	36	2764	46	2853	56	3011	80	3208
Floyd	33	1443	33	1540	27	1630	33	1683	28	1611	20	1745	17	1867	39	1888	52	1962	38	2128	37	2192	47	2261
Franklin	19	852	9	821	12	757	8	770	7	810	16	819	12	828	9	890	9	899	14	983	13	988	8	1046
Fremont	10	721	14	752	12	769	16	780	23	768	11	805	12	820	11	792	6	779	10	779	19	809	29	849

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1980-1991 (continued).¹

County	1991 ²		1990		1989		1988		1987		1986		1985		1984		1983		1982		1981		1980	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Greene	10	776	23	809	14	792	9	828	6	866	10	931	8	1009	13	1017	20	1067	22	1128	18	1179	19	1278
Grundy	8	1008	4	1063	8	1090	7	1117	3	1160	8	1210	13	1296	7	1324	17	1390	20	1424	10	1503	17	1558
Guthrie	16	1101	10	1087	8	1083	20	1122	14	1148	8	1242	8	1288	21	1338	14	1316	19	1327	29	1388	33	1500
Hamilton	19	1305	20	1380	29	1405	15	1463	16	1498	25	1534	27	1580	10	1619	8	1680	16	1725	27	1781	40	1948
Hancock	6	1087	7	1053	2	1082	5	1075	5	1072	5	1064	7	1098	5	1123	2	1139	11	1203	10	1268	20	1351
Hardin	18	1657	18	1764	25	1786	14	1871	21	1905	15	1986	19	2105	23	2191	22	2231	32	2262	41	2421	45	2590
Harrison	19	1350	24	1391	27	1400	26	1453	26	1525	32	1566	33	1625	23	1642	19	1683	31	1700	32	1729	38	1833
Henry	27	1636	32	1661	34	1657	18	1670	24	1693	27	1735	32	1712	26	1732	22	1769	47	1841	30	1803	36	1798
Howard	4	970	10	968	7	884	4	922	9	979	6	1020	2	1072	17	1164	7	1239	12	1291	8	1365	17	1467
Humboldt	7	858	6	839	11	847	11	859	9	891	9	959	18	1008	10	1069	16	1133	20	1220	20	1281	18	1312
Ida	6	649	3	689	3	683	6	654	5	657	3	658	0	660	2	659	5	687	7	709	9	748	12	802
Iowa	3	1146	11	1125	11	1132	8	1193	6	1250	10	1288	12	1352	12	1438	9	1499	20	1594	24	1721	29	1824
Jackson	26	1666	30	1721	38	1780	24	1749	27	1848	23	1930	32	1998	25	2192	35	2187	58	2302	51	2330	52	2476
Jasper	57	2768	114	2948	83	2933	120	3099	99	3124	85	3130	78	3228	64	3269	85	3298	102	3422	95	3500	110	3647
Jefferson	20	797	23	855	30	866	22	949	18	1001	22	1052	19	1100	11	1134	12	1126	30	1194	33	1232	37	1284
Johnson	47	4239	177	4636	135	4610	130	4740	94	4869	123	4739	87	4792	87	4833	42	4944	46	4889	61	4974	54	5008
Jones	22	1471	34	1609	14	1559	28	1606	28	1730	14	1788	14	1856	17	1913	18	1983	40	2052	47	2149	37	2189
Keokuk	14	1010	6	1042	12	1084	10	1095	12	1095	14	1128	10	1185	6	1202	11	1239	17	1272	27	1384	37	1512
Kossuth	8	1101	17	1123	11	1101	10	1109	16	1178	21	1211	13	1303	10	1366	10	1407	14	1436	16	1579	30	1687
Lee	83	2696	88	2993	101	2845	77	2946	103	3044	105	3117	114	3182	102	3200	86	3296	113	3304	137	3759	166	3804
Linn	149	11930	292	13815	433	14302	331	14150	414	14443	345	14943	308	15559	299	15912	465	16278	434	16160	428	16953	599	17028
Louisa	24	1179	36	1268	39	1236	37	1298	27	1288	25	1308	32	1350	36	1381	41	1413	47	1463	38	1541	50	1515
Lucas	12	675	18	714	26	726	25	775	19	761	24	798	32	817	26	836	31	872	27	838	33	898	30	958
Lyon	9	972	5	979	2	974	8	998	4	1026	1	1054	4	1071	4	1081	4	1103	13	1140	8	1176	28	1284
Madison	21	1232	27	1302	14	1268	30	1326	25	1317	19	1325	25	1335	15	1346	21	1343	21	1408	16	1438	28	1521
Mahaska	28	1370	24	1369	40	1376	39	1420	50	1482	28	1497	45	1542	46	1522	52	1574	50	1520	50	1521	73	1602
Marion	32	2313	45	2346	32	2380	39	2431	44	2401	35	2467	48	2574	44	2620	31	2606	53	2678	40	2774	86	2815
Marshall	70	2711	97	3087	109	3083	75	3181	66	3375	59	3474	55	3765	67	3859	63	3831	95	3916	116	4186	118	4254
Mills	18	1165	20	1179	17	1175	17	1206	14	1193	26	1287	9	1237	13	1234	12	1184	26	1185	29	1165	31	1142
Mitchell	10	816	14	840	3	903	8	917	1	917	8	915	10	927	13	961	12	975	15	1062	22	1159	20	1271
Monona	16	835	14	851	12	848	13	872	13	874	13	921	21	930	15	939	22	980	30	1038	35	1100	34	1148
Monroe	12	551	15	591	11	576	15	585	29	611	19	654	15	693	23	723	23	734	28	764	20	802	25	819
Montgomery	16	881	16	985	15	971	20	983	22	986	23	1003	13	1023	38	1070	26	1039	35	1055	35	1071	34	1163
Muscatine	80	3144	86	3253	118	3386	97	3414	83	3413	110	3342	127	3508	156	3634	100	3671	126	3766	167	3857	161	3858
O'Brien	16	1294	16	1343	20	1322	10	1346	14	1344	8	1357	7	1377	21	1424	12	1454	22	1509	19	1635	28	1695
Osceola	7	391	9	441	3	433	8	457	3	469	2	455	1	498	2	490	2	506	2	508	4	541	4	618

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1980-1991 (continued).¹

County	1991 ²		1990		1989		1988		1987		1986		1985		1984		1983		1982		1981		1980	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Page	41	1454	33	1530	37	1495	37	1485	30	1463	21	1475	26	1509	29	1478	29	1447	33	1541	43	1544	29	1576
Palo Alto	12	955	7	952	18	941	7	935	4	949	8	974	7	1035	15	1109	13	1157	15	1243	25	1334	33	1414
Plymouth	24	1788	32	1816	36	1818	9	1800	16	1798	22	1847	17	1895	19	1908	13	1939	22	2038	27	2118	34	2247
Pocahontas	9	812	13	758	4	779	7	839	2	838	3	869	3	930	5	967	6	1028	8	1054	8	1151	19	1224
Polk	994	21201	889	23436	952	23710	1064	23888	1082	24939	1124	25705	1125	26111	924	26365	804	25965	974	26593	946	27257	999	27620
Pottawattamie	175	6225	255	6421	332	6620	376	6863	348	6877	376	7194	302	7172	287	7501	190	7474	253	7735	323	8515	497	9026
Poweshiek	31	1252	21	1333	29	1394	34	1498	20	1502	15	1561	25	1580	16	1593	23	1645	20	1682	29	1781	41	1778
Ringgold	3	413	3	432	8	446	2	459	3	471	3	490	6	484	3	521	8	519	5	523	5	567	23	589
Sac	8	1006	7	1025	16	1032	6	1024	12	1052	11	1086	10	1124	6	1196	7	1237	14	1286	16	1327	39	1389
Scott	540	11811	523	12558	511	12545	526	12996	454	13429	435	13900	480	14538	433	15073	436	14896	524	15227	599	15413	730	16158
Shelby	8	1083	17	1111	18	1236	19	1200	19	1245	0	1267	19	1380	14	1452	18	1498	25	1557	16	1661	26	1761
Sioux	13	1614	15	1653	13	1675	14	1673	16	1669	12	1690	13	1774	12	1867	14	1835	17	1934	13	2001	19	2119
Story	57	4126	48	4155	42	4228	52	4249	45	4263	53	4494	59	4676	60	4709	68	4695	71	4933	65	5061	77	5185
Tama	21	1468	18	1473	16	1407	11	1624	36	1649	37	1658	35	1740	25	1842	49	1917	36	1982	31	2010	40	2123
Taylor	4	527	6	540	4	623	2	651	1	655	4	689	7	749	2	732	4	735	4	743	15	798	10	840
Union	13	1073	23	1166	14	1166	15	1142	12	1183	8	1231	15	1247	15	1207	19	1191	33	1229	40	1282	41	1364
Van Buren	9	599	13	639	9	624	6	643	10	657	10	716	13	723	11	744	20	760	17	804	17	843	23	919
Wapello	70	2854	62	2932	72	3134	119	3204	64	3301	76	3359	69	3438	52	3508	84	3351	92	3615	134	3786	110	3916
Warren	45	2960	76	3122	72	3215	59	3309	49	3348	42	3445	49	3519	32	3530	49	3453	69	3430	85	3462	89	3509
Washington	26	1472	25	1541	23	1549	37	1573	23	1566	33	1632	19	1724	21	1774	11	1800	21	1843	39	1919	35	1972
Wayne	18	567	12	566	10	582	10	579	2	588	10	595	11	604	10	629	8	676	7	698	14	709	12	760
Webster	64	2394	71	2456	110	2573	125	2791	106	2869	133	3034	69	3208	52	3233	38	3315	67	3560	85	3801	85	4027
Winnebago	14	1182	19	1237	16	1261	14	1225	10	1239	20	1247	9	1302	8	1303	1	1329	13	1380	9	1468	15	1556
Winneshiek	9	1206	10	1200	8	1270	9	1267	10	1337	8	1366	13	1397	21	1426	10	1478	22	1550	11	1687	18	1712
Woodbury	287	7203	219	8046	216	7941	203	8836	207	8710	155	8712	183	8880	185	8747	163	8891	235	9274	257	9223	336	9641
Worth	7	495	12	495	5	525	10	556	5	585	3	616	5	645	7	659	10	667	14	683	9	667	17	714
Wright	10	1118	12	1210	14	1204	17	1231	6	1228	10	1296	18	1366	11	1424	11	1424	22	1522	29	1614	47	1766

State of Iowa 5030 201742 5270 213888 5652 216251 5498 222112 5574 227144 5343 233453 5529 241973 5109 246788 5086 249885 6300 258141 6825 267995 8346 278186

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 "1992" covers the period from July 1, 1991, through June 30, 1992, for example.

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1980-1991.

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0.6	0.8	0.0	0.0	0.8	1.1	0.3	0.5	1.0	1.9	1.6	0.1
Adams	3.0	3.3	0.8	0.8	0.8	1.1	0.3	1.4	0.0	1.0	1.8	1.4
Allamakee	2.0	1.0	2.0	0.9	1.2	1.0	0.7	1.0	1.2	2.1	1.8	2.0
Appanoose	3.8	3.8	2.9	2.5	4.8	2.1	2.8	2.8	1.5	4.1	4.4	4.5
Audubon	1.6	0.0	1.1	0.9	0.3	1.0	0.6	1.5	0.7	1.7	1.2	1.0
Benton	1.7	1.8	1.4	1.8	1.1	1.4	1.8	1.7	1.6	2.7	2.4	3.5
Black Hawk	6.4	6.4	6.4	5.1	4.6	4.3	4.9	3.7	3.5	4.0	4.7	4.9
Boone	1.3	2.0	2.5	1.6	2.3	1.6	1.9	2.1	3.0	1.9	2.0	3.3
Bremer	0.7	1.2	0.8	1.0	1.0	1.0	1.0	0.6	0.8	1.2	1.3	2.1
Buchanan	1.3	1.4	1.9	1.9	2.4	1.4	2.3	2.4	2.4	2.2	2.7	2.7
Buena Vista	2.1	2.0	1.8	1.8	2.0	1.3	1.2	0.9	0.6	1.2	1.5	2.0
Butler	1.1	1.0	0.9	0.5	0.7	0.6	0.7	1.2	0.4	0.9	1.3	1.1
Calhoun	1.2	0.9	0.8	0.7	0.6	0.4	0.7	0.6	0.8	1.3	0.7	2.1
Carroll	0.9	0.9	0.9	1.3	1.3	1.2	1.6	0.9	1.1	1.1	1.6	2.1
Cass	1.9	1.3	1.9	1.7	1.4	1.2	1.2	1.3	1.0	1.7	1.7	2.0
Cedar	1.4	0.7	0.6	1.1	0.9	1.2	1.5	1.3	1.2	1.2	1.1	1.3
Cerro Gordo	3.3	2.2	2.9	1.9	6.8	2.1	2.8	2.2	3.7	3.3	3.0	4.1
Cherokee	1.3	1.6	1.5	1.5	0.6	0.6	0.9	1.1	1.1	2.9	2.3	2.7
Chickasaw	1.6	0.8	1.3	1.1	1.3	1.3	1.1	0.7	0.9	1.7	1.3	1.8
Clarke	1.6	2.8	1.4	0.9	1.6	0.5	1.2	1.3	1.0	1.5	1.0	3.4
Clay	1.0	1.2	1.7	1.3	2.6	1.2	1.3	2.0	1.7	2.5	3.0	1.1
Clayton	1.7	0.6	1.1	0.9	0.9	1.1	1.3	1.4	1.6	1.7	2.0	2.7
Clinton	4.5	2.2	2.6	1.8	2.3	1.8	1.8	1.8	2.4	3.5	3.1	4.3
Crawford	1.2	1.4	0.8	0.9	0.6	0.6	0.7	1.0	1.0	1.0	1.6	2.1
Dallas	2.4	1.5	1.1	2.4	2.2	2.5	1.3	1.5	2.0	2.2	2.8	2.9
Davis	2.1	2.2	1.3	1.6	1.6	1.7	1.9	1.7	3.5	2.5	2.8	5.6
Decatur	2.2	2.0	1.8	1.8	1.5	1.3	1.7	2.2	1.6	3.4	3.0	3.7
Delaware	1.4	1.2	1.7	1.5	2.2	1.5	1.5	1.0	1.5	1.4	1.2	1.7
Des Moines	2.2	1.9	2.3	1.5	3.0	4.7	4.5	5.0	3.1	2.5	3.5	3.4
Dickinson	1.0	0.9	0.8	2.1	1.2	1.1	1.0	1.1	1.0	1.7	1.9	2.4
Dubuque	2.3	2.3	3.2	2.3	2.2	2.1	2.9	2.4	2.8	3.1	3.0	4.0
Emmet	1.6	1.6	1.5	2.1	1.0	1.6	1.8	0.8	1.5	1.9	1.6	2.3
Fayette	0.9	1.3	0.8	1.5	1.2	0.6	1.3	1.7	1.3	1.6	1.9	2.5
Floyd	2.3	2.1	1.7	2.0	1.7	1.1	0.9	2.1	2.7	1.8	1.7	2.1
Franklin	2.2	1.1	1.6	1.0	0.9	2.0	1.4	1.0	1.0	1.4	1.3	0.8
Fremont	1.4	1.9	1.6	2.1	3.0	1.4	1.5	1.4	0.8	1.3	2.3	3.4
Greene	1.3	2.8	1.8	1.1	0.7	1.1	0.8	1.3	1.9	2.0	1.5	1.5
Grundy	0.8	0.4	0.7	0.6	0.3	0.7	1.0	0.5	1.2	1.4	0.7	1.1
Guthrie	1.5	0.9	0.7	1.8	1.2	0.6	0.6	1.6	1.1	1.4	2.1	2.2
Hamilton	1.5	1.4	2.1	1.0	1.1	1.6	1.7	0.6	0.5	0.9	1.5	2.1
Hancock	0.6	0.7	0.2	0.5	0.5	0.5	0.6	0.4	0.2	0.9	0.8	1.5
Hardin	1.1	1.0	1.4	0.7	1.1	0.8	0.9	1.0	1.0	1.4	1.7	1.7
Harrison	1.4	1.7	1.9	1.8	1.7	2.0	2.0	1.4	1.1	1.8	1.9	2.1
Henry	1.7	1.9	2.1	1.1	1.4	1.6	1.9	1.5	1.2	2.6	1.7	2.0
Howard	0.4	1.0	0.8	0.4	0.9	0.6	0.2	1.5	0.6	0.9	0.6	1.2
Humboldt	0.8	0.7	1.3	1.3	1.0	0.9	1.8	0.9	1.4	1.6	1.6	1.4
Ida	0.9	0.4	0.4	0.9	0.8	0.5	0.0	0.3	0.7	1.0	1.2	1.5
Iowa	0.3	1.0	1.0	0.7	0.5	0.8	0.9	0.8	0.6	1.3	1.4	1.6
Jackson	1.6	1.7	2.1	1.4	1.5	1.2	1.6	1.1	1.6	2.5	2.2	2.1
Jasper	2.1	3.9	2.8	3.9	3.2	2.7	2.4	2.0	2.6	3.0	2.7	3.0

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1980-1991 (continued).

County	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2.5	2.7	3.5	2.3	1.8	2.1	1.7	1.0	1.1	2.5	2.7	2.9
Johnson	1.1	3.8	2.9	2.7	1.9	2.6	1.8	1.8	0.8	0.9	1.2	1.1
Jones	1.5	2.1	0.9	1.7	1.6	0.8	0.8	0.9	0.9	1.9	2.2	1.7
Keokuk	1.4	0.6	1.1	0.9	1.1	1.2	0.8	0.5	0.9	1.3	2.0	2.4
Kossuth	0.7	1.5	1.0	0.9	1.4	1.7	1.0	0.7	0.7	1.0	1.0	1.8
Lee	3.1	2.9	3.6	2.6	3.4	3.4	3.6	3.2	2.6	3.4	3.6	4.4
Linn	1.2	2.1	3.0	2.3	2.9	2.3	2.0	1.9	2.9	2.7	2.5	3.5
Louisa	2.0	2.8	3.2	2.9	2.1	1.9	2.4	2.6	2.9	3.2	2.5	3.3
Lucas	1.8	2.5	3.6	3.2	2.5	3.0	3.9	3.1	3.6	3.2	3.7	3.1
Lyon	0.9	0.5	0.2	0.8	0.4	0.1	0.4	0.4	0.4	1.1	0.7	2.2
Madison	1.7	2.1	1.1	2.3	1.9	1.4	1.9	1.1	1.6	1.5	1.1	1.8
Mahaska	2.0	1.8	2.9	2.7	3.4	1.9	2.9	3.0	3.3	3.3	3.3	4.6
Marion	1.4	1.9	1.3	1.6	1.8	1.4	1.9	1.7	1.2	2.0	1.4	3.1
Marshall	2.6	3.1	3.5	2.4	2.0	1.7	1.5	1.7	1.6	2.4	2.8	2.8
Mills	1.5	1.7	1.4	1.4	1.2	2.0	0.7	1.1	1.0	2.2	2.5	2.7
Mitchell	1.2	1.7	0.3	0.9	0.1	0.9	1.1	1.4	1.2	1.4	1.9	1.6
Monona	1.9	1.6	1.4	1.5	1.5	1.4	2.3	1.6	2.2	2.9	3.2	3.0
Monroe	2.2	2.5	1.9	2.6	4.7	2.9	2.2	3.2	3.1	3.7	2.5	3.1
Montgomery	1.8	1.6	1.5	2.0	2.2	2.3	1.3	3.6	2.5	3.3	3.3	2.9
Muscatine	2.5	2.6	3.5	2.8	2.4	3.3	3.6	4.3	2.7	3.3	4.3	4.2
O'Brien	1.2	1.2	1.5	0.7	1.0	0.6	0.5	1.5	0.8	1.5	1.2	1.7
Osceola	1.8	2.0	0.7	1.8	0.6	0.4	0.2	0.4	0.4	0.4	0.7	0.6
Page	2.8	2.2	2.5	2.5	2.1	1.4	1.7	2.0	2.0	2.1	2.8	1.8
Palo Alto	1.3	0.7	1.9	0.7	0.4	0.8	0.7	1.4	1.1	1.2	1.9	2.3
Plymouth	1.3	1.8	2.0	0.5	0.9	1.2	0.9	1.0	0.7	1.1	1.3	1.5
Pocahontas	1.1	1.7	0.5	0.8	0.2	0.3	0.3	0.5	0.6	0.8	0.7	1.6
Polk	4.7	3.8	4.0	4.5	4.3	4.4	4.3	3.5	3.1	3.7	3.5	3.6
Pottawattamie	2.8	4.0	5.0	5.5	5.1	5.2	4.2	3.8	2.5	3.3	3.8	5.5
Poweshiek	2.5	1.6	2.1	2.3	1.3	1.0	1.6	1.0	1.4	1.2	1.6	2.3
Ringgold	0.7	0.7	1.8	0.4	0.6	0.6	1.2	0.6	1.5	1.0	0.9	3.9
Sac	0.8	0.7	1.6	0.6	1.1	1.0	0.9	0.5	0.6	1.1	1.2	2.8
Scott	4.6	4.2	4.1	4.0	3.4	3.1	3.3	2.9	2.9	3.4	3.9	4.5
Shelby	0.7	1.5	1.5	1.6	1.5	0.0	1.4	1.0	1.2	1.6	1.0	1.5
Sioux	0.8	0.9	0.8	0.8	1.0	0.7	0.7	0.6	0.8	0.9	0.6	0.9
Story	1.4	1.2	1.0	1.2	1.1	1.2	1.3	1.3	1.4	1.4	1.3	1.5
Tama	1.4	1.2	1.1	0.7	2.2	2.2	2.0	1.4	2.6	1.8	1.5	1.9
Taylor	0.8	1.1	0.6	0.3	0.2	0.6	0.9	0.3	0.5	0.5	1.9	1.2
Union	1.2	2.0	1.2	1.3	1.0	0.6	1.2	1.2	1.6	2.7	3.1	3.0
Van Buren	1.5	2.0	1.4	0.9	1.5	1.4	1.8	1.5	2.6	2.1	2.0	2.5
Wapello	2.5	2.1	2.3	3.7	1.9	2.3	2.0	1.5	2.5	2.5	3.5	2.8
Warren	1.5	2.4	2.2	1.8	1.5	1.2	1.4	0.9	1.4	2.0	2.5	2.5
Washington	1.8	1.6	1.5	2.4	1.5	2.0	1.1	1.2	0.6	1.1	2.0	1.8
Wayne	3.2	2.1	1.7	1.7	0.3	1.7	1.8	1.6	1.2	1.0	2.0	1.6
Webster	2.7	2.9	4.3	4.5	3.7	4.4	2.2	1.6	1.1	1.9	2.2	2.1
Winnebago	1.2	1.5	1.3	1.1	0.8	1.6	0.7	0.6	0.1	0.9	0.6	1.0
Winneshiek	0.7	0.8	0.6	0.7	0.7	0.6	0.9	1.5	0.7	1.4	0.7	1.1
Woodbury	4.0	2.7	2.7	2.3	2.4	1.8	2.1	2.1	1.8	2.5	2.8	3.5
Worth	1.4	2.4	1.0	1.8	0.9	0.5	0.8	1.1	1.5	2.0	1.3	2.4
Wright	0.9	1.0	1.2	1.4	0.5	0.8	1.3	0.8	0.8	1.4	1.8	2.7
State of Iowa	2.5	2.5	2.6	2.5	2.5	2.3	2.3	2.1	2.0	2.4	2.5	3.0

Figure 1. Dropouts from public secondary schools in Iowa, 1980-1991.

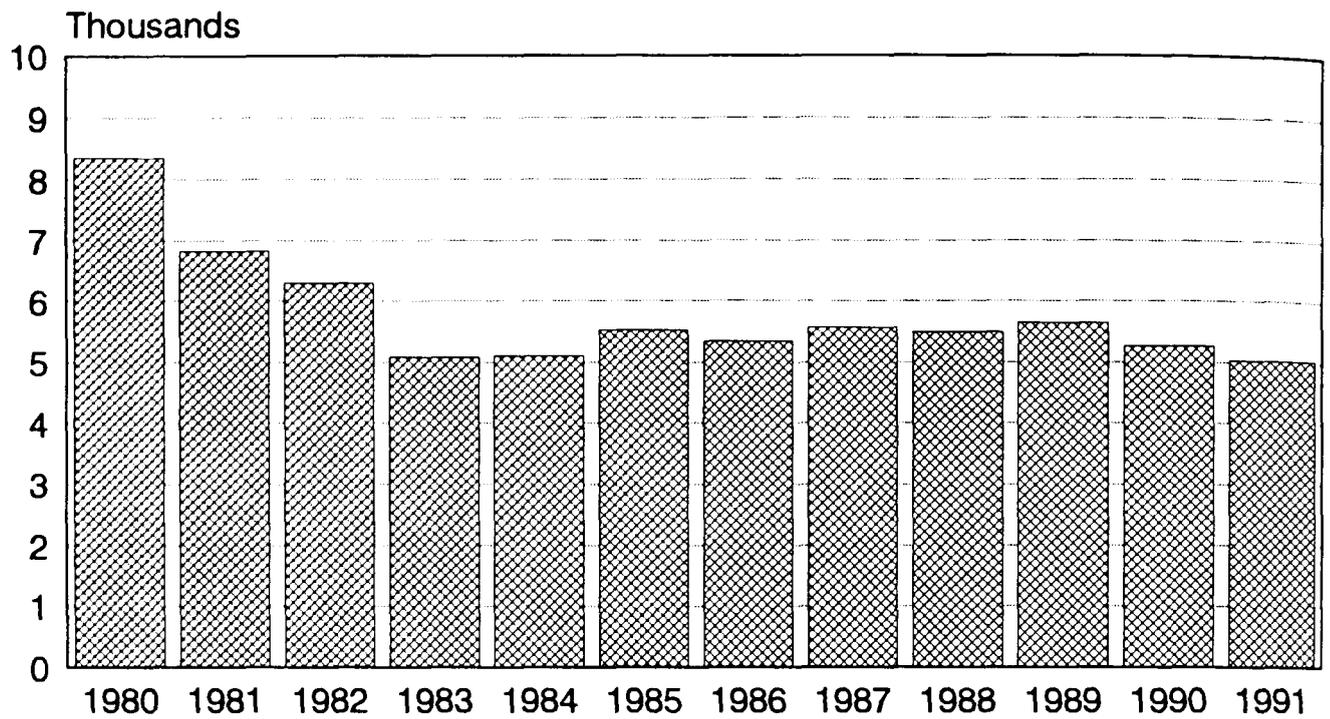
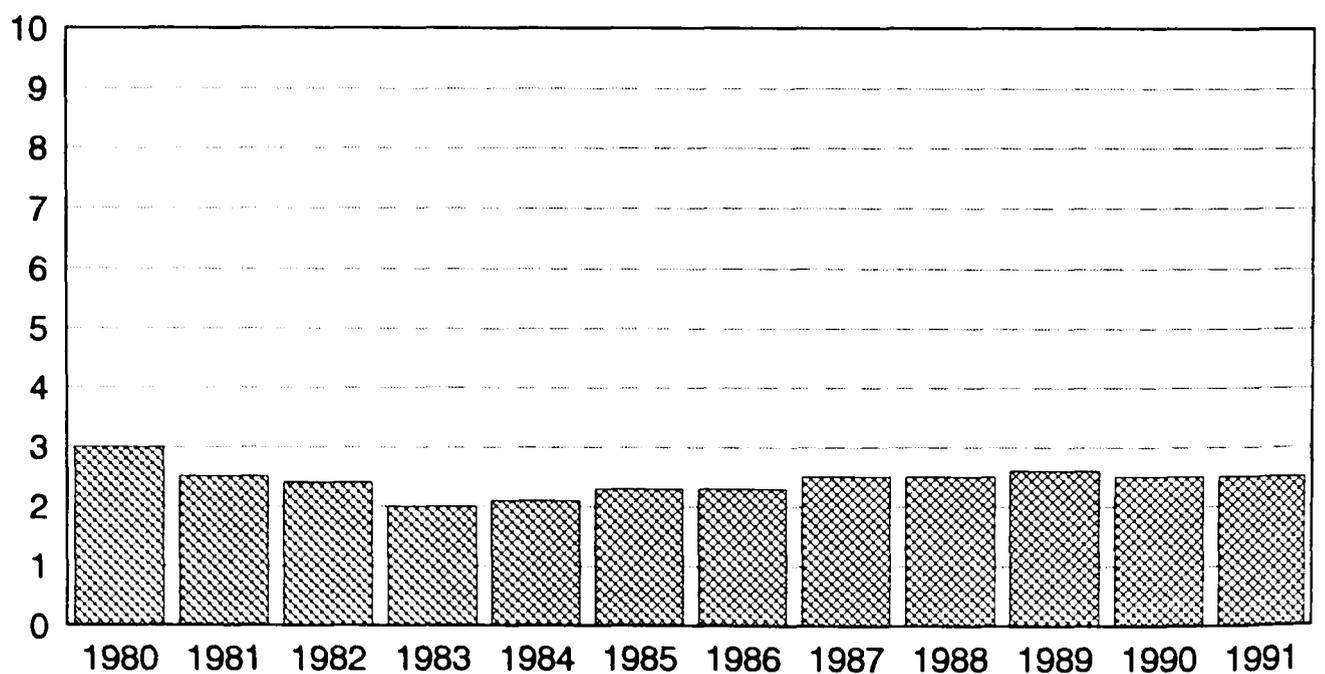


Figure 2. Dropouts as percent of public secondary school enrollees in Iowa, 1980-1991.



Students Receiving Free or Reduced-Price School Meals in Iowa's Counties: 1983-1992

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Willis Goudy, Iowa State University
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 1983-1984 through 1991-1992. 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 1991-1992, it had decreased each of the previous years in the period examined (Table 3). Despite the enrollment declines, the average number of students receiving free meals increased in 1984-1985 and 1985-1986 (Table 1). This upward trend occurred from 1989-1990 through 1991-1992 as well. 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 88,983, the lowest number of the period, only to increase to 97,820 in 1991-1992.

During the 1991-1992 school year, Black Hawk, Linn, Polk, and Scott averaged at least 5,000 students receiving free meals each month. Fifteen other counties had at least 1,000 such students. All counties except Adams, Osceola, and Worth averaged at least 200 monthly.

The number of students receiving free meals during the 1991-1992 school year was significantly lower than five years earlier in 1986-1987. Seventy-seven counties also had fewer students in the program in 1991-1992 than in 1986-1987. Black Hawk and Dubuque each had at least 1,000 more students in the free meal program in 1986-1987 than in the most recent year. Thirty-one other counties averaged at least 100 more in the earlier year. Twenty-two counties had more students receiving free meals in 1991-1992 than in 1986-1987; three (Polk, Pottawattamie, Scott) had increases above 600.

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa Counties, 1983-1992.

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Adair	289	304	238	212	253	334	329	253	250
Adams	156	161	162	175	149	203	198	163	142
Allamakee	515	481	491	505	580	642	653	595	580
Appanoose	842	844	811	819	940	911	958	868	853
Audubon	248	232	194	200	239	278	280	223	205
Benton	828	843	822	747	767	903	844	777	774
Black Hawk	5016	4835	4828	4931	5291	6494	5906	5293	5243
Boone	566	511	510	526	546	630	672	645	614
Bremer	691	645	603	675	854	1103	979	732	662
Buchanan	792	724	694	733	779	926	918	838	768
Buena Vista	783	743	704	674	686	730	660	587	537
Butler	499	455	484	444	515	651	626	434	447
Calhoun	495	451	363	420	466	556	572	408	392
Carroll	754	654	743	711	718	863	839	623	618
Cass	699	617	648	656	682	714	711	634	495
Cedar	441	368	392	411	434	446	445	436	387
Cerro Gordo	1341	1321	1267	1289	1338	1418	1466	1222	1239
Cherokee	496	465	462	506	539	588	593	507	508
Chickasaw	433	403	408	433	474	555	585	464	486
Clarke	451	390	383	439	502	481	520	429	389
Clay	623	592	578	611	689	672	680	502	508
Clayton	668	667	553	674	736	924	955	802	824
Clinton	1541	1484	1483	1549	1612	1744	1862	1670	1646
Crawford	728	744	799	723	779	830	810	648	579
Dallas	948	835	790	757	843	900	953	950	925
Davis	357	330	310	306	383	422	440	395	420
Decatur	525	484	470	464	465	501	486	421	454
Delaware	642	619	631	679	659	821	829	696	709
Des Moines	1559	1535	1448	1499	1472	1405	1505	1468	1398
Dickinson	421	430	457	505	528	565	592	504	413
Dubuque	2835	2731	2813	2894	3157	3933	3663	3477	3671
Emmet	589	534	571	632	623	684	662	550	461
Fayette	970	953	943	954	1076	1219	1217	1112	1084
Floyd	893	888	852	918	993	1022	1074	1009	1037
Franklin	376	327	350	340	337	400	410	340	338
Fremont	375	335	333	279	374	409	445	417	371
Greene	425	391	342	383	352	418	457	434	358
Grundy	305	276	244	229	277	345	286	264	234
Guthrie	503	464	428	480	587	677	660	605	621
Hamilton	551	534	492	508	558	557	593	527	550
Hancock	470	407	357	347	410	447	441	276	323
Hardin	1106	1007	1062	960	1004	1078	1138	997	964
Harrison	744	687	652	665	706	747	795	757	776
Henry	639	571	532	492	522	564	593	573	603
Howard	479	431	443	515	532	592	624	554	563
Humboldt	305	289	305	311	369	411	491	453	408
Ida	257	243	234	245	294	327	316	280	224
Iowa	334	347	306	308	349	373	398	319	346
Jackson	797	756	784	817	885	1061	1052	931	908
Jasper	841	747	753	720	791	864	937	892	983

*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, 1983-1992
(continued).

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Jefferson	302	283	263	257	281	342	327	328	345
Johnson	1292	1243	1208	1198	1241	1201	1233	1020	1033
Jones	594	580	583	602	603	759	696	650	668
Keokuk	514	500	475	421	490	507	564	501	494
Kossuth	705	613	590	598	713	836	823	536	546
Lee	1363	1238	1209	1266	1334	1389	1497	1327	1348
Linn	5446	5096	4659	4669	4874	5090	5486	5375	5581
Louisa	514	514	482	416	445	482	558	481	493
Lucas	334	293	281	297	326	374	388	405	401
Lyon	366	319	367	414	479	557	547	434	367
Madison	472	410	445	437	448	567	616	496	540
Mahaska	814	792	788	826	901	939	975	893	965
Marion	820	741	654	753	791	840	921	887	882
Marshall	1380	1297	1155	1128	1174	1573	1248	1213	1147
Mills	511	425	444	440	444	505	498	524	521
Mitchell	340	324	313	353	423	462	362	331	332
Monona	534	573	539	576	585	591	639	552	508
Monroe	364	358	321	349	389	425	425	386	373
Montgomery	388	338	345	331	365	395	402	375	354
Muscatine	1836	1766	1587	1514	1492	1455	1322	1238	1191
O'Brien	522	469	453	501	564	623	600	449	407
Osceola	172	145	163	155	173	217	230	198	169
Page	615	584	604	565	653	724	680	645	682
Palo Alto	565	579	532	557	625	669	679	481	432
Plymouth	680	606	750	803	830	885	987	829	693
Pocahontas	392	383	307	314	355	418	435	385	350
Polk	10257	9244	8691	8746	9288	9548	9744	9449	10119
Pottawattamie	3747	3399	3112	3091	3206	3121	3267	3205	3278
Poweshiek	445	423	365	371	399	420	488	416	368
Ringgold	358	302	315	317	312	323	338	346	328
Sac	572	517	524	546	572	617	630	534	595
Scott	6415	5859	5884	5607	5754	5729	5795	5607	5458
Shelby	555	493	441	435	489	517	448	393	365
Sioux	1008	989	989	1050	1246	1451	1431	1135	975
Story	1302	1251	1213	1220	1287	1315	1273	1132	1137
Tama	879	785	720	757	820	926	949	792	764
Taylor	381	384	371	394	445	482	559	468	473
Union	554	542	541	550	555	611	606	552	547
Van Buren	354	342	337	333	335	364	406	412	381
Wapello	1944	1967	2034	2050	2166	2346	2234	2154	1977
Warren	744	645	604	628	868	725	771	725	724
Washington	545	536	533	518	562	611	597	488	439
Wayne	365	330	343	356	359	382	406	387	377
Webster	1514	1533	1481	1516	1592	1588	1789	1641	1551
Winnebago	361	404	356	347	378	456	485	409	381
Winneshiek	490	482	491	529	534	599	642	524	516
Woodbury	4430	4211	3994	4070	4111	4320	4189	3928	3750
Worth	198	191	193	181	195	241	261	192	221
Wright	424	439	410	390	471	490	502	445	414
State of Iowa	97820	91826	88983	90009	96058	104328	105037	95225	94223

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa Counties, 1983-1992.

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Adair	110	73	92	106	111	79	100	113	103
Adams	61	52	48	65	59	68	65	70	60
Allamakee	269	256	225	205	188	175	203	181	215
Appanoose	191	176	182	171	139	146	148	161	129
Audubon	91	84	61	64	61	63	65	69	68
Benton	292	293	213	263	326	276	252	230	271
Black Hawk	1142	1152	985	1004	1068	1216	1095	1117	1164
Boone	224	222	233	206	198	221	209	205	171
Bremer	287	305	294	278	254	289	230	208	225
Buchanan	216	196	218	177	192	207	206	176	201
Buena Vista	290	271	229	215	287	281	262	259	279
Butler	220	248	151	178	167	180	178	167	171
Calhoun	207	167	196	147	165	163	149	127	142
Carroll	416	355	335	348	332	349	298	289	326
Cass	203	271	222	250	243	267	266	235	258
Cedar	188	179	178	179	177	160	138	130	150
Cerro Gordo	457	437	433	476	486	499	402	383	384
Cherokee	192	185	184	192	189	192	223	214	176
Chickasaw	168	197	202	169	186	198	149	160	186
Clarke	113	108	88	96	75	132	82	63	86
Clay	316	292	284	230	223	265	273	185	235
Clayton	276	313	240	251	231	258	276	254	279
Clinton	331	367	342	291	287	326	315	318	408
Crawford	347	299	277	280	279	310	302	297	287
Dallas	387	380	287	279	325	353	346	299	326
Davis	102	97	97	92	88	90	80	108	103
Decatur	127	118	105	109	115	105	87	113	94
Delaware	191	170	154	149	123	127	142	175	182
Des Moines	339	335	317	332	377	334	290	324	355
Dickinson	204	154	164	145	129	133	125	131	137
Dubuque	1101	1058	958	936	996	970	1026	1021	1114
Emmet	244	216	201	192	227	203	229	200	197
Fayette	321	275	250	254	252	296	288	330	342
Floyd	230	226	240	229	264	272	257	229	274
Franklin	169	194	155	149	169	126	96	89	121
Fremont	142	136	108	95	117	114	111	101	108
Greene	195	163	173	205	189	182	161	134	164
Grundy	125	122	119	129	135	140	108	99	120
Guthrie	191	158	151	169	158	158	213	146	163
Hamilton	237	221	189	174	203	214	206	197	219
Hancock	194	236	186	193	200	186	170	152	103
Hardin	243	268	233	274	253	268	259	273	268
Harrison	261	242	241	245	231	250	230	267	211
Henry	223	173	167	182	173	200	228	190	238
Howard	263	218	166	161	161	174	148	131	130
Humboldt	188	170	151	169	185	195	164	172	172
Ida	152	163	140	150	148	164	113	94	88
Iowa	221	220	165	167	163	184	184	162	169
Jackson	275	223	205	191	170	181	208	206	225
Jasper	251	261	218	195	192	232	243	304	291

*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, 1983-1992 (continued).

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Jefferson	80	55	68	74	57	57	85	83	118
Johnson	370	399	382	346	322	354	345	351	404
Jones	254	244	207	162	192	152	185	160	197
Keokuk	162	152	143	120	110	109	85	93	77
Kossuth	248	242	251	286	290	264	270	214	242
Lee	280	270	261	285	315	315	309	295	359
Linn	1512	1476	1250	1246	1297	1400	1520	1460	1523
Louisa	121	111	115	138	104	136	99	125	139
Lucas	85	104	97	105	95	110	97	84	75
Lyon	170	145	213	223	208	175	170	152	145
Madison	207	247	200	228	254	204	195	180	171
Mahaska	222	241	235	219	180	245	252	228	240
Marion	378	349	328	261	266	258	296	289	311
Marshall	422	355	332	320	349	428	342	383	411
Mills	154	188	117	67	118	100	146	114	150
Mitchell	149	166	174	156	206	179	118	160	118
Monona	142	138	132	112	120	153	153	129	158
Monroe	89	92	97	100	84	62	96	98	122
Montgomery	103	91	110	126	125	121	130	129	123
Muscatine	402	417	347	384	384	371	332	309	311
O'Brien	277	310	246	242	209	249	261	232	232
Osceola	90	100	94	83	85	102	81	91	106
Page	190	210	208	204	192	201	210	178	157
Palo Alto	197	193	169	168	161	194	171	160	143
Plymouth	339	273	341	317	342	299	373	313	284
Pocahontas	165	159	174	149	156	129	112	97	111
Polk	2675	2638	2393	2538	2359	2418	2313	2252	2392
Pottawattamie	866	822	832	811	848	912	854	902	934
Poweshiek	141	132	145	100	94	138	121	144	158
Ringgold	97	94	71	80	72	77	53	58	55
Sac	261	202	234	232	266	309	232	230	242
Scott	1007	996	918	923	842	897	874	889	972
Shelby	228	181	180	160	155	137	164	142	162
Sioux	747	683	663	633	601	577	548	474	490
Story	477	499	405	437	440	461	420	376	417
Tama	293	298	320	261	258	249	261	216	176
Taylor	114	96	100	118	105	119	97	134	131
Union	218	167	177	159	186	178	179	172	188
Van Buren	98	107	92	80	96	121	77	105	120
Wapello	438	417	334	388	363	385	410	608	397
Warren	279	249	292	264	259	224	240	250	290
Washington	225	186	140	170	156	184	165	163	186
Wayne	88	111	70	64	85	74	60	53	70
Webster	494	456	491	497	476	474	484	491	572
Winnebago	209	168	151	131	121	143	134	98	172
Winneshiek	218	231	197	201	197	184	152	130	156
Woodbury	1184	1096	894	887	929	846	875	826	880
Worth	118	109	94	97	96	111	98	118	124
Wright	210	190	208	199	171	222	197	159	191
State of Iowa	30677	29551	27140	26953	27063	27963	27015	26357	27763

Table 3. Average Number Enrolled in Schools in Selected Months* in Iowa Counties, 1983-1992.

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Adair	1188	1172	1130	1115	1179	1173	1176	1229	1219
Adams	704	709	741	766	789	782	766	786	786
Allamakee	2929	2905	2903	2920	2965	2971	3071	3070	3193
Appanoose	2645	2603	2607	2613	2693	2678	2627	2500	2577
Audubon	1181	1161	1179	1192	1234	1267	1306	1326	1360
Benton	4534	4500	4492	4351	4314	4400	4392	4424	4440
Black Hawk	21025	21120	20642	20769	20708	21383	21541	22302	23167
Boone	4034	3922	3905	3838	3830	3877	3760	3832	3881
Bremer	5382	5326	5340	5295	5154	5387	5611	5770	5802
Buchanan	3629	3633	3437	3408	3291	3265	3333	3467	3548
Buena Vista	3619	3516	3360	3362	3322	3287	3226	3187	3137
Butler	2669	2636	2635	2735	2728	2716	2765	2875	2943
Calhoun	2571	2431	2382	2349	2403	2435	2444	2508	2538
Carroll	4734	4193	4741	4288	4124	4332	4283	4397	4582
Cass	3083	3174	3173	3169	3198	3167	3230	3244	3276
Cedar	3603	3519	3499	3533	3438	3380	3379	3518	3520
Cerro Gordo	7404	7400	7591	7494	7569	7841	7842	7831	7638
Cherokee	2790	2738	2805	2772	2788	2743	2727	2811	2873
Chickasaw	2468	2472	2498	2550	2537	2586	2742	2766	2818
Clarke	1781	1682	1630	1652	2609	1667	1634	1605	1637
Clay	3577	3434	3392	3314	3193	3196	3258	2965	3292
Clayton	3628	3904	3398	3662	3454	3896	4026	4069	4147
Clinton	9364	9188	9234	9098	9374	9314	9148	9437	9855
Crawford	3511	3521	3631	3712	3814	3895	3926	3970	3848
Dallas	6576	6323	6037	6043	5880	5936	5771	5857	5875
Davis	1411	1437	1412	1415	1418	1457	1467	1502	1516
Decatur	1489	1474	1457	1471	1507	1535	1527	1552	1587
Delaware	3829	3756	3643	3604	3452	3574	3563	3643	3677
Des Moines	7796	7729	7647	7693	7765	7765	7622	7599	7701
Dickinson	2665	2712	2690	2643	2586	2624	2641	2749	2663
Dubuque	18188	17523	17622	17787	17991	18282	18672	19069	19705
Emmet	2318	2292	2321	2326	2301	2318	2316	2459	2353
Fayette	4588	4734	4652	4624	4607	4671	4826	5013	5246
Floyd	3380	3348	3338	3345	3472	3539	3429	3713	3817
Franklin	1837	1817	1746	1693	1660	1691	1670	1706	1751
Fremont	1687	1688	1664	1377	1697	1721	1720	1779	1768
Greene	1826	1750	1731	1758	1752	1787	1845	1908	1920
Grundy	2282	2264	2636	2419	2354	2369	2328	2502	2524
Guthrie	2458	2414	2399	2415	2535	2563	2568	2609	2665
Hamilton	3099	3032	3042	3084	2992	3014	3069	3196	3289
Hancock	2440	2375	2335	2330	2401	2378	2371	2376	2420
Hardin	4152	4093	4109	4077	4042	4189	4161	4347	4389
Harrison	3037	2984	2978	2983	3055	3079	3077	3112	3174
Henry	3802	3722	3598	3572	3605	3627	3620	3537	3563
Howard	2333	2312	2276	2277	2305	2351	2356	2360	2459
Humboldt	1958	1960	1969	1955	1978	1994	2040	2085	2149
Ide	1567	1521	1429	1444	1401	1381	1335	1355	1353
Iowa	3138	2967	2769	2710	2714	2791	2814	2823	2882
Jackson	4226	4042	4139	4212	4259	4261	4357	4566	4698
Jasper	6467	6350	6451	6125	6198	6136	6140	6397	6460

*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, 1983-1992 (continued).

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Jefferson	1807	1771	1795	1826	1825	1869	1921	2039	2087
Johnson	11268	10963	10807	10579	10599	10245	10253	10043	10256
Jones	3471	3433	3389	3394	3404	3500	3416	3569	3629
Keokuk	2421	2432	2446	2441	2443	2390	2407	2470	2480
Kossuth	3583	3446	3471	3602	3540	3679	3656	3789	3992
Lee	7298	6906	7102	7119	7485	7291	7225	7315	7446
Linn	31861	29899	28832	29124	29670	30103	30498	31109	31860
Louisa	2695	2732	2730	2663	2600	2669	2660	2694	2761
Lucas	1559	1581	1575	1579	1621	1642	1631	1686	1668
Lyon	2321	2032	2324	2353	2358	2353	2315	2323	2263
Madison	2821	2815	2838	2836	2824	2855	2826	2785	2797
Mahaska	3416	3444	3400	3412	3363	3409	3402	3434	3442
Marion	6051	5820	5509	5546	5483	5036	5513	5573	5624
Marshall	6782	6569	6574	6296	6515	6662	6843	7038	7243
Mills	2587	2600	2623	2647	2667	2636	2663	2733	2782
Mitchell	2002	1978	2000	2016	2035	2014	1455	2038	2038
Monona	1900	1892	1925	1912	1882	1933	1938	1971	2020
Monroe	1324	1316	1293	1274	1340	1331	1402	1437	1443
Montgomery	2017	1989	2066	1987	2120	2004	1973	2044	2076
Muscatine	7520	7273	7276	7204	7208	7219	7245	7122	7056
O'Brien	3205	3201	3093	3107	3046	3134	3124	3031	3028
Osceola	966	926	1016	940	968	976	1030	1057	1292
Page	3041	3008	3176	3076	3089	3091	3207	3229	3045
Palo Alto	2296	2317	2311	2255	2212	2199	2215	2319	2341
Plymouth	5211	4434	4971	4996	4955	4282	4861	4885	4853
Pocahontas	1860	1800	1790	1738	1768	1743	1789	1872	1936
Polk	55555	53487	52846	50778	50616	49740	49394	51289	51696
Pottawattamie	16022	15709	15295	15430	15502	15946	16483	16610	16937
Poweshiek	2860	2793	2822	2860	2883	2899	2895	2962	2998
Ringgold	1023	985	1006	995	992	994	993	1049	1070
Sac	2400	2389	2414	2362	2331	2322	2324	2354	2362
Scott	28683	28473	28207	27704	27823	27678	28349	29786	29959
Shelby	2708	2627	2601	2581	2599	2634	2684	2775	2797
Sioux	6851	6749	6464	6501	6396	6329	6402	6346	6458
Story	10018	9570	9407	9300	9200	9106	8989	9027	9055
Tama	3402	3413	3432	3474	3564	3581	3593	3502	3549
Taylor	1298	1375	1359	1414	1363	1386	1389	1433	1497
Union	2336	2294	2376	2409	2405	2428	2426	2476	2503
Van Buren	1406	1399	1400	1405	1431	1457	1449	1499	1517
Wapello	6739	6688	6564	6700	6769	6943	7196	7376	7410
Warren	6725	6717	6634	6465	6561	6483	6703	6722	6556
Washington	3680	3644	3599	3686	3660	3660	3675	3693	3658
Wayne	1190	1214	1192	1193	1196	1236	1239	1280	1347
Webster	6746	6703	6526	6749	6622	6772	6862	7005	7099
Winnebago	2811	2790	2757	2815	2787	2756	2676	2743	2723
Winneshek	3245	3181	3173	3213	3116	3134	3150	3104	3123
Woodbury	18435	18432	17878	17994	17788	17014	16860	16804	17127
Worth	1151	1110	1117	1154	1154	1222	1224	1269	1275
Wright	2688	2574	2616	2640	2619	2686	2778	2850	2843
State of Iowa	509850	498375	494454	491083	493034	493328	496697	507262	514671

Table 4. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa Counties, 1983-1992 (continued).

County	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Jefferson	21.2	19.1	18.4	18.1	18.5	21.3	21.4	20.2	22.2
Johnson	14.8	15.0	14.7	14.6	14.7	15.2	15.4	13.7	14.0
Jones	24.4	24.0	23.3	22.5	23.4	26.0	25.8	22.7	23.8
Keokuk	27.9	26.8	25.3	22.2	24.6	25.8	27.0	24.0	23.0
Kossuth	26.6	24.8	24.2	24.5	28.3	29.9	29.9	19.8	19.7
Lee	22.5	21.8	20.7	21.8	22.0	23.4	25.0	22.2	22.9
Linn	21.8	22.0	20.5	20.3	20.8	21.6	23.0	22.0	22.3
Louisa	23.6	22.9	21.9	20.8	21.1	23.2	24.7	22.5	22.9
Lucas	26.9	25.1	24.0	25.5	26.0	29.5	29.7	29.0	28.5
Lyon	23.1	22.8	25.0	27.1	29.1	31.1	31.0	25.2	22.6
Madison	24.1	23.3	22.7	23.4	24.9	27.0	28.7	24.3	25.4
Mahaska	30.3	30.0	30.1	30.6	32.1	34.7	36.1	32.6	35.0
Marion	19.8	18.7	17.8	18.3	19.3	21.8	22.1	21.1	21.2
Marshall	26.6	25.1	22.6	23.0	23.4	30.0	23.2	22.7	21.5
Mills	25.7	23.6	21.4	19.2	21.1	23.0	24.2	23.3	24.1
Mitchell	24.4	24.8	24.4	25.2	30.9	31.8	33.0	24.1	22.1
Monona	35.6	37.6	34.9	36.0	37.5	38.5	40.9	34.6	33.0
Monroe	34.2	34.2	32.3	35.2	35.3	36.6	37.2	33.7	34.3
Montgomery	24.4	21.6	22.0	23.0	23.1	25.7	27.0	24.7	23.0
Muscatine	29.8	30.0	26.6	26.3	26.0	25.3	22.8	21.7	21.3
O'Brien	24.9	24.3	22.6	23.9	25.4	27.8	27.6	22.5	21.1
Osceola	27.1	26.5	25.3	25.3	26.7	32.7	30.2	27.3	21.3
Page	26.5	26.4	25.6	25.0	27.4	29.9	27.8	25.5	27.6
Palo Alto	33.2	33.3	30.3	32.2	35.5	39.2	38.4	27.6	24.6
Plymouth	19.5	19.8	21.9	22.4	23.7	27.7	28.0	23.4	20.1
Pocahontas	29.9	30.1	26.9	26.6	28.9	31.4	30.6	25.7	23.8
Polk	23.3	22.2	21.0	22.2	23.0	24.1	24.4	22.8	24.2
Pottawattamie	28.8	26.9	25.8	25.3	26.2	25.3	25.0	24.7	24.9
Poweshiek	20.5	19.9	18.1	16.5	17.1	19.2	21.0	18.9	17.5
Ringgold	44.5	40.2	38.4	39.9	38.7	40.2	39.4	38.5	35.8
Sac	34.7	30.1	31.4	32.9	36.0	39.9	37.1	32.5	35.4
Scott	25.9	24.1	24.1	23.6	23.7	23.9	23.5	21.8	21.5
Shelby	28.9	25.7	23.9	23.1	24.8	24.8	22.8	19.3	18.8
Sioux	25.6	24.8	25.6	25.9	28.9	32.0	30.9	25.4	22.7
Story	17.8	18.3	17.2	17.8	18.8	19.5	18.8	16.7	17.2
Tama	34.5	31.7	30.3	29.3	30.2	32.8	33.7	28.8	26.5
Taylor	38.2	34.9	34.7	36.2	40.4	43.4	47.2	42.0	40.3
Union	33.1	30.9	30.2	29.4	30.8	32.5	32.4	29.2	29.4
Van Buren	32.2	32.1	30.6	29.4	30.1	33.3	33.3	34.5	33.0
Wapello	35.4	35.6	36.1	36.4	37.4	39.3	36.7	37.4	32.0
Warren	15.2	13.3	13.5	13.8	17.2	14.6	15.1	14.5	15.5
Washington	20.9	19.8	18.7	18.7	19.6	21.7	20.7	17.6	17.1
Wayne	38.1	36.3	34.6	35.2	37.1	36.9	37.6	34.4	33.2
Webster	29.8	29.7	30.2	29.8	31.2	30.4	33.1	30.4	29.9
Winnebago	20.3	20.5	18.4	17.0	17.9	21.7	23.1	18.5	20.3
Winneshiek	21.8	22.4	21.7	22.7	23.5	25.0	25.2	21.1	21.5
Woodbury	30.5	28.8	27.3	27.5	28.3	30.4	30.0	28.3	27.0
Worth	27.5	27.0	25.7	24.1	25.2	28.8	29.3	24.4	27.1
Wright	23.6	24.4	23.6	22.3	24.5	26.5	25.2	21.2	21.3
State of Iowa	25.2	24.4	23.5	23.8	25.0	26.8	26.6	24.0	23.7

Reduced-Price Meals

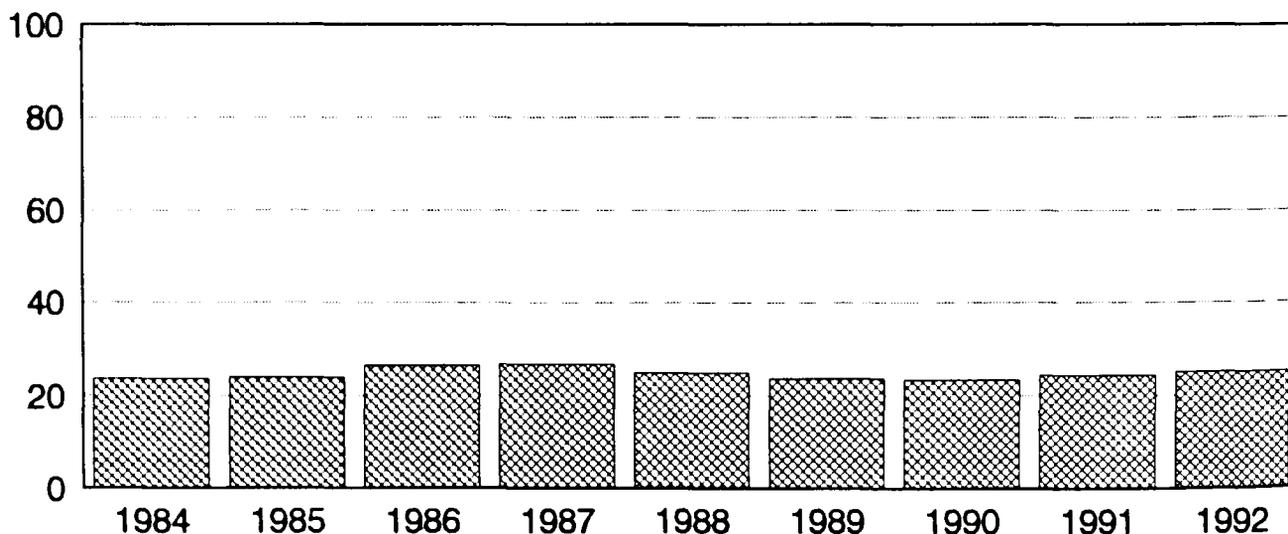
The number of students in Iowa receiving reduced-price meals did not vary as much as the number getting free meals (Table 2). In 1991-1992, an average of 30,677 students qualified for reduced-price meals each month. This was the highest average for the state for reduced-priced meals during the period examined. For 1991-1992, Polk had 2,675 students getting reduced-price meals; the counts were greater than 1,000 in Black Hawk, Dubuque, Linn, Scott, and Woodbury. Eighteen other counties had 300 or more. Adams (61) had the fewest students receiving reduced-price meals; eight other counties also were under 100.

Percentage of Students Receiving Free or Reduced-Price Meals

In Iowa in 1991-1992, 25.2% of students enrolled in school received either free or reduced-price meals (Table 4). Only the two school years from 1985-1986 through 1986-1987 had higher percentages (Figure 1). In 1991-1992, Johnson (14.8%) had the lowest percentage of students in the meal program. Eleven other counties had from 15.0% to 20.0% of students qualifying; their figures 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 eight at 35% or higher (Appanoose, Decatur, Emmet, Monona, Ringgold, Taylor, Wapello, Wayne). For 74 counties, the percentages for the 1991-1992 school year were lower than what they had been during 1986-1987. Fifteen dropped at least five percentage points; three of these (Ia, Lyon, Plymouth) declined by at least eight percentage points. There were 25 counties that had a greater percentage of students in the meal program in 1991-1992 than in 1986-1987. Only eight had gains of at least two percentage points, with four (Decatur, Muscatine, Ringgold, Shelby) increasing four points.

Note: Caution must be exercised in comparing the averages among the years. The months for which data were available varied considerably (1983-1984: November 1983 and May 1984; 1984-1985: October and December 1984, January, March, and May 1985; 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 1989-1990, 1990-1991, and 1991-1992, October of the first year and January and March of the second year were consistently selected. These figures 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, 1984-1992.



Medical Services Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1980-1991

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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 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 and receiving benefits each month. Eligibility is determined primarily on the basis of income, although other factors enter as well; recipients include those who received some type of medical assistance for which payment was made during a month covered by a report. For this report, averages of both those eligible and those actually receiving benefits were calculated for each year from 1980 through 1991; numbers from monthly reports were summed and divided by 12.

Persons Eligible for Title XIX Assistance

In 1991, Iowa averaged over 205,000 persons eligible for Title XIX medical benefits each month (Table 1). Although there was year-to-year variation, there was a general upward trend throughout the decade. The figure for 1982, the lowest of those reported, was nearly 148,000 (Table 2, Figure 1).

Polk averaged 25,616 persons eligible for medical assistance each month in 1991, the highest of any county. Black Hawk, Linn, Scott, and Woodbury were the only other counties with more than 10,000. Forty-five counties had from 1,000 to 9,999 persons eligible for Title XIX assistance. Osceola was the only county with fewer than 400 persons eligible while nine others were below 500.

The state averaged 47,827 more persons eligible for the Title XIX program in 1991 than in 1981. Ninety-seven counties followed that pattern with more persons eligible for the program at the end of the period than the beginning. Eleven reported at least 1,000 more persons eligible in 1991 than in 1981. Only Allamakee and Mills had fewer eligible in 1991 than 10 years earlier.

Iowa had 30.4% more persons eligible for Title XIX assistance in 1991 than in 1981. Forty-four counties had percentage increases larger than that for the state. Thirteen (Adams, Clinton, Crawford, Fayette, Jackson, Johnson, Keokuk, Monroe, Osceola, Scott, Shelby, Story, Washington) had gains of more than 50%. The two counties with fewer eligible for the medical program in 1991 than in 1981 experienced declines of 1.8% (Allamakee) and 7.4% (Mills).

Persons Receiving Title XIX Assistance

Because not everyone uses medical services even though eligible for the program, the average number of recipients served is lower than the number eligible for benefits. During an average month in 1991, more than 158,000 Iowans actually received medical assistance (Table 1). That was the highest average number of recipients in the years reported. As with the number of persons eligible, there was a general upward trend in recipients throughout the 12 years studied (Tables 1 and 2).

Polk's average monthly number of recipients (22,004) was the highest in 1991. Five others (Black Hawk, Linn, Pottawattamie, Scott, Woodbury) had at least 5,000. Eleven counties averaged

Table 1. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1986-1991.

County	1991		1990		1989		1988		1987		1986	
	Elig.	Recip.										
Adair	477	352	445	328	375	280	368	271	423	308	472	311
Adams	420	297	362	265	329	234	336	238	376	263	341	238
Allamakee	782	555	716	519	685	482	671	474	697	492	749	501
Appanoose	1847	1314	1782	1257	1767	1167	1752	1184	1762	1179	1829	1152
Audubon	437	336	372	294	348	272	331	249	331	251	351	251
Benton	1375	981	1315	910	1143	767	1119	722	1157	761	1086	690
Black Hawk	12960	11745	12748	8797	12719	7725	12405	7503	13283	8138	13413	7675
Boone	1970	1526	1850	1493	1881	1479	1837	1394	1865	1445	1902	1418
Bremer	1039	724	925	638	826	548	862	574	972	613	1020	593
Buchanan	1619	1131	1547	1097	1547	1051	1593	1081	1765	1183	1805	1106
Buena Vista	1052	779	979	725	907	640	909	647	938	645	950	597
Butler	1037	773	971	706	894	645	918	642	976	663	994	624
Calhoun	749	568	703	539	665	490	639	473	718	520	696	474
Carroll	1144	864	1119	850	1053	755	902	670	943	710	889	604
Cass	1092	807	964	731	880	649	838	615	887	647	920	625
Cedar	907	633	897	622	839	543	798	540	845	556	778	468
Cerro Gordo	3649	2738	3438	2489	3184	2228	3047	2084	3063	2106	2969	1891
Cherokee	790	594	746	561	680	505	665	483	732	510	718	496
Chickasaw	682	525	649	491	622	418	607	424	679	463	651	430
Clarke	726	501	685	456	608	420	628	425	689	468	661	405
Clay	1177	887	1091	798	1034	716	1002	709	1078	749	1110	707
Clayton	1124	806	1060	758	984	677	939	635	942	630	975	614
Clinton	4477	2957	4284	2899	4009	2565	3772	2351	3950	2494	4156	2425
Crawford	1618	1169	1356	914	1059	726	990	651	1006	657	954	604
Dallas	1590	1182	1529	1141	1481	1027	1372	956	1542	1058	1597	1021
Davis	669	489	717	514	710	477	695	457	735	476	651	406
Decatur	921	645	859	628	796	570	778	554	792	563	766	516
Delaware	971	692	1006	699	1023	657	1069	669	1165	746	1230	694
Des Moines	3926	2602	3692	2445	3519	2186	3208	1990	3298	2101	3385	1981
Dickinson	720	553	664	491	686	457	635	412	637	417	615	370
Dubuque	5412	3711	5049	3429	4933	3398	4926	3382	5349	3423	5560	3228
Emmet	881	696	859	638	814	576	780	542	865	594	925	569
Fayette	1812	1256	1636	1152	1468	1026	1405	947	1498	999	1471	925
Floyd	1427	1044	1372	1000	1299	893	1188	825	1286	883	1342	870
Franklin	716	536	675	490	602	418	556	394	565	395	576	372
Fremont	680	497	627	465	621	448	599	436	622	443	604	397
Greene	659	445	629	432	560	364	559	350	583	372	611	376
Grundy	485	351	437	333	416	304	396	291	448	323	447	312
Guthrie	828	613	750	556	713	511	763	549	841	600	787	534
Hamilton	1050	808	919	741	869	663	855	644	914	674	862	579
Hancock	681	497	578	427	505	367	458	325	486	340	483	320
Hardin	1256	927	1127	869	1035	777	1025	714	1016	717	986	656
Harrison	1342	975	1223	897	1117	800	1055	742	1056	728	1004	651
Henry	1299	920	1172	809	1045	707	909	619	893	623	952	626
Howard	627	470	600	447	532	387	487	357	530	373	573	381
Humboldt	635	473	607	466	585	427	570	408	585	436	583	389
Ida	402	313	340	273	339	252	331	253	351	265	330	233
Iowa	607	428	572	410	464	330	457	322	505	359	508	328
Jackson	1568	1440	1501	1075	1486	973	1524	1013	1611	1043	1683	1021
Jasper	2003	1498	1891	1408	1797	1254	1809	1309	1987	1383	2097	1349

Table 1. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1986-1991 (continued).

County	1991		1990		1989		1988		1987		1986	
	Elig.	Recip.										
Jefferson	1192	851	1141	818	1025	730	928	665	950	670	886	583
Johnson	3011	2140	2790	1942	2479	1628	2281	1485	2254	1452	2163	1283
Jones	992	684	1006	726	984	676	989	653	1016	683	1067	647
Keokuk	1003	685	954	648	915	594	858	585	861	583	846	535
Kossuth	962	692	886	647	748	520	679	461	729	493	714	439
Lee	3771	2644	3532	2414	3342	2247	3175	2049	3344	2135	3419	2071
Linn	11157	10163	10404	7533	9793	6484	9678	6231	10398	6620	10501	6279
Louisa	910	603	832	529	760	496	766	480	861	521	873	481
Lucas	905	694	834	639	809	588	799	602	854	634	894	606
Lyon	471	340	445	318	401	273	372	257	368	252	377	228
Madison	742	553	741	562	729	534	669	504	696	537	719	519
Mahaska	1924	1377	1819	1314	1674	1092	1580	1074	1634	1116	1661	1050
Marion	1623	1139	1546	1090	1460	991	1442	962	1515	1011	1594	976
Marshall	2897	1989	2659	1831	2487	1645	2379	1514	2499	1614	2394	1475
Mills	1444	1220	1428	1213	1423	1229	1469	1243	1521	1273	1546	1268
Mitchell	499	358	440	338	434	324	437	316	434	313	415	284
Monona	1043	770	947	712	832	577	806	571	873	619	871	573
Monroe	840	609	858	642	842	594	859	593	835	592	841	571
Montgomery	893	656	814	598	763	548	720	521	792	567	811	527
Muscatine	3538	3227	3383	2284	3158	1947	2981	1789	3217	1936	3223	1819
O'Brien	751	602	697	539	641	491	680	496	720	506	664	443
Osceola	321	215	276	198	266	186	237	168	242	170	289	178
Page	1546	1145	1437	1080	1432	1040	1331	972	1354	1011	1384	968
Palo Alto	735	574	698	535	645	481	637	471	683	513	710	492
Plymouth	916	680	904	659	881	622	845	584	837	574	863	553
Pocahontas	572	413	487	363	427	317	385	273	414	292	439	293
Polk	25616	22004	23690	16430	21806	14094	20853	13628	21261	13388	21433	12701
Pottawattamie	7844	7263	7080	5113	6489	4319	6212	4081	6240	4049	6252	3885
Poweshiek	982	724	871	640	761	556	782	554	847	605	900	568
Ringgold	481	370	482	380	489	363	492	365	511	376	471	328
Sac	751	555	685	526	647	463	561	404	544	391	591	397
Scott	15461	13666	14654	10401	13647	9028	13209	8957	13549	8244	13331	7061
Shelby	754	565	724	549	582	461	561	425	580	435	561	392
Sioux	1007	770	916	707	912	668	827	589	857	597	832	569
Story	2412	1736	2228	1569	1927	1323	1750	1198	1880	1241	1792	1119
Tama	1209	849	1083	778	983	703	985	698	1048	720	1004	636
Taylor	623	430	613	430	558	374	519	348	561	389	592	377
Union	1273	878	1261	888	1249	836	1150	772	1214	830	1236	791
Van Buren	551	377	537	378	487	314	496	317	495	322	512	314
Wapello	4523	3037	4177	2807	4021	2635	4077	2634	4324	2753	4224	2538
Warren	1872	1386	1745	1329	1610	1177	1529	1113	1632	1177	1657	1121
Washington	1196	873	1132	845	1043	737	1000	679	983	653	960	610
Wayne	651	478	670	496	610	445	598	430	596	429	623	417
Webster	4089	2765	3844	2587	3585	2352	3358	2166	3539	2235	3503	2081
Winnebago	599	443	564	411	489	347	433	325	462	334	478	336
Winneshiek	886	648	801	584	780	530	765	503	770	490	789	469
Woodbury	10063	6296	9357	5756	8531	5078	8287	4901	8651	5122	8253	4636
Worth	474	349	472	330	390	268	376	264	433	298	437	276
Wright	939	683	832	618	757	570	744	546	802	590	843	574
State of Iowa	205223	158290	192410	134779	180158	119766	173879	115019	181934	118116	182454	110511

Table 2. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1980-1985.

County	1985		1984		1983		1982		1981		1980	
	Elig.	Recip.										
Adair	437	286	405	263	391	246	352	230	392	263	396	249
Adams	301	208	246	165	214	137	176	119	207	137	216	145
Allamakee	738	476	706	448	681	435	703	441	796	496	850	507
Appanoose	1790	1102	1793	1017	1695	963	1504	858	1505	914	1537	914
Audubon	342	243	277	196	284	203	298	202	348	223	358	221
Benton	1118	701	1107	662	1013	569	918	515	943	537	911	487
Black Hawk	12666	7106	12058	6415	10340	5450	9404	4953	9855	5200	9894	5080
Boone	1895	1425	1857	1360	1809	1323	1739	1275	1831	1350	1881	1367
Bremer	975	564	953	512	824	444	737	419	792	434	713	375
Buchanan	1684	1024	1485	859	1334	752	1083	640	1113	634	1126	616
Buena Vista	874	551	781	478	772	477	762	454	836	506	840	484
Butler	936	582	853	543	775	483	653	426	739	467	779	474
Calhoun	621	429	590	414	573	378	546	368	614	420	638	421
Carroll	820	565	817	553	784	532	767	542	824	548	814	536
Cass	889	596	812	547	752	498	761	504	901	566	849	514
Cedar	707	430	636	388	665	377	663	365	697	404	766	419
Cerro Gordo	2697	1714	2618	1655	2702	1665	2652	1620	2903	1753	2884	1699
Cherokee	676	455	660	451	637	416	605	409	676	425	724	446
Chickasaw	637	391	594	342	518	309	420	264	485	292	505	303
Clarke	630	378	533	330	562	340	522	307	486	283	479	296
Clay	1042	653	942	589	938	586	870	554	976	603	898	550
Clayton	953	576	932	572	937	568	880	525	926	546	952	550
Clinton	4035	2213	3529	1959	3275	1738	2692	1470	2666	1463	2465	1320
Crawford	841	530	777	512	822	508	746	462	762	469	827	470
Dallas	1564	982	1470	903	1386	815	1196	738	1251	777	1223	723
Davis	673	410	651	381	611	341	499	300	522	325	555	336
Decatur	726	488	677	447	679	443	682	430	760	487	751	473
Delaware	1136	649	1033	579	958	532	822	459	912	504	915	490
Des Moines	3305	1914	3060	1706	2948	1617	2751	1454	2991	1540	2896	1539
Dickinson	605	366	584	362	630	370	614	364	633	392	643	387
Dubuque	5517	3150	5391	3034	5118	2832	4305	2376	4337	2495	4292	2415
Emmet	840	502	725	449	690	430	635	396	680	435	691	417
Fayette	1386	878	1302	775	1255	739	1136	672	1185	696	1168	659
Floyd	1222	773	1183	722	1136	708	1050	635	1132	686	1084	661
Franklin	540	345	549	353	545	343	504	327	577	369	616	386
Fremont	582	362	511	318	475	313	428	286	510	332	538	346
Greene	589	359	558	336	530	322	505	307	572	355	575	333
Grundy	436	299	415	262	392	255	347	229	400	252	386	244
Guthrie	749	501	700	464	659	419	617	392	660	433	673	405
Hamilton	768	531	800	534	786	494	741	454	811	505	829	506
Hancock	446	284	412	259	436	280	432	267	511	312	521	303
Hardin	930	625	890	588	905	573	944	587	1008	615	976	614
Harrison	1023	671	1031	636	1013	624	912	564	987	611	1035	622
Henry	1011	626	993	610	948	596	809	490	876	546	948	553
Howard	602	366	580	360	584	359	509	340	552	370	577	373
Humboldt	553	366	460	297	465	310	452	315	523	330	503	321
Ida	296	212	272	198	282	202	275	209	295	224	310	223
Iowa	440	284	389	244	419	270	379	242	434	269	440	265
Jackson	1561	937	1485	873	1365	779	1135	645	1040	638	1062	623
Jasper	2007	1305	1899	1199	1912	1138	1745	1042	1886	1120	1834	1033

Table 2. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1980-1985 (continued).

County	1985		1984		1983		1982		1981		1980	
	Elig.	Recip.										
Jefferson	842	534	833	539	840	528	826	505	818	539	907	560
Johnson	1958	1164	1808	1038	1762	1003	1689	977	1894	1053	1850	1009
Jones	981	602	944	560	914	534	902	491	909	520	949	504
Keokuk	754	472	665	437	602	386	535	355	597	379	598	380
Kossuth	654	404	627	385	653	401	657	385	753	434	745	423
Lee	3388	1985	3269	1856	3117	1743	2730	1536	2720	1537	2621	1459
Linn	10159	6031	9845	5586	9398	5252	8496	4501	8555	4650	8296	4398
Louisa	869	480	893	471	792	413	692	358	732	395	792	409
Lucas	886	598	888	575	827	549	757	489	773	506	848	529
Lyon	364	218	355	206	329	197	331	200	340	193	309	182
Madison	705	497	681	459	670	445	594	408	600	408	623	414
Mahaska	1541	985	1462	894	1443	848	1308	777	1413	817	1415	804
Marion	1483	915	1469	882	1415	817	1227	725	1312	815	1367	773
Marshall	2246	1374	2249	1335	2099	1247	1708	1158	2189	1252	2284	1264
Mills	1597	1281	1475	1217	1426	1192	1443	1203	1559	1252	1527	1211
Mitchell	404	273	411	270	436	284	414	265	433	279	447	297
Monona	797	517	768	513	753	503	703	466	710	467	712	457
Monroe	747	498	638	422	635	404	552	350	556	376	546	335
Montgomery	776	524	690	456	665	445	659	414	673	431	684	414
Muscatine	3013	1665	2709	1481	2506	1391	2305	1263	2364	1358	2419	1337
O'Brien	618	422	621	413	608	415	571	400	671	459	653	447
Osceola	273	163	227	134	213	123	190	113	207	124	242	143
Page	1275	883	1179	785	1160	771	1037	661	1098	731	1133	731
Palo Alto	713	488	637	431	641	426	641	429	710	479	770	482
Plymouth	760	493	700	463	699	457	664	431	771	483	768	471
Pocahontas	441	295	440	278	426	267	416	266	465	303	475	309
Polk	21336	12237	21201	11870	21147	11548	19995	10725	21830	11705	21026	11010
Pottawattamie	6219	3856	6184	3697	6316	3728	6192	3634	6893	4012	6828	3854
Poweshiek	864	526	768	446	739	427	670	393	740	430	701	399
Ringgold	488	335	427	278	395	258	372	254	390	271	408	281
Sac	591	388	580	369	528	335	489	317	536	334	541	330
Scott	12880	6605	12228	6204	11168	5640	9827	4814	9894	5031	9843	4784
Shelby	538	371	501	341	490	338	469	312	486	320	470	297
Sioux	772	526	683	461	704	472	719	466	771	484	801	466
Story	1666	1035	1490	915	1402	881	1301	809	1488	889	1552	894
Tama	956	606	924	557	911	548	886	526	999	595	1040	594
Taylor	581	384	548	363	510	334	438	279	472	287	496	302
Union	1163	734	1055	659	983	633	911	598	961	610	966	616
Van Buren	525	312	519	303	478	265	401	237	439	265	502	280
Wapello	3824	2330	3674	2183	3423	1992	2959	1696	3086	1802	3159	1775
Warren	1705	1117	1660	1042	1608	998	1409	871	1518	952	1489	931
Washington	916	581	812	518	719	463	714	467	795	517	830	508
Wayne	637	411	636	394	602	383	562	354	587	362	604	374
Webster	3282	1935	3225	1852	3043	1712	2862	1531	3092	1699	3292	1704
Winnebago	458	306	415	298	468	312	439	297	522	334	505	306
Winneshiek	726	426	675	381	660	379	624	370	699	396	697	392
Woodbury	7898	4444	7737	4085	7498	4006	7105	3639	7819	4162	7967	4109
Worth	403	247	396	244	385	226	389	222	408	236	394	217
Wright	787	522	750	466	726	470	694	437	831	518	892	529
State of Iowa	175267	104481	167547	97838	160348	92924	147698	84843	157396	91080	157324	88903

Table 3. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1991.

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	5.7	5.3	4.5	4.3	4.9	5.4	4.9	4.4	4.2	3.8	4.1	4.2
Adams	8.6	7.4	6.8	6.3	7.0	6.4	5.5	4.4	3.8	3.1	3.6	3.8
Allamakee	5.6	5.2	4.9	4.5	4.7	5.0	4.8	4.6	4.4	4.7	5.3	5.6
Appanoose	13.4	13.0	12.9	12.3	12.3	12.8	12.3	12.1	11.3	9.9	9.8	9.9
Audubon	6.0	5.1	4.7	4.4	4.3	4.4	4.2	3.3	3.4	3.5	4.1	4.2
Benton	6.1	5.9	5.1	4.9	5.1	4.8	4.9	4.8	4.4	3.9	4.0	3.9
Black Hawk	10.5	10.3	10.3	10.0	10.6	10.6	9.6	8.9	7.6	6.8	7.1	7.2
Boone	7.8	7.3	7.5	7.2	7.3	7.5	7.3	7.1	6.9	6.7	7.0	7.2
Bremer	4.6	4.1	3.6	3.7	4.2	4.3	4.0	3.9	3.3	3.0	3.2	2.9
Buchanan	7.8	7.4	7.4	7.3	8.2	8.3	7.5	6.5	5.8	4.7	4.8	4.9
Buena Vista	5.3	4.9	4.5	4.5	4.6	4.6	4.2	3.7	3.7	3.7	4.0	4.0
Butler	6.6	6.2	5.7	5.6	6.0	6.0	5.5	4.9	4.5	3.7	4.2	4.4
Calhoun	6.5	6.1	5.8	5.3	5.9	5.7	4.9	4.5	4.3	4.1	4.5	4.7
Carroll	5.3	5.2	4.9	4.0	4.2	4.0	3.6	3.6	3.4	3.4	3.6	3.5
Cass	7.2	6.4	5.8	5.4	5.7	5.8	5.4	4.7	4.4	4.5	5.3	5.0
Cedar	5.2	5.2	4.8	4.4	4.7	4.2	3.8	3.4	3.5	3.5	3.7	4.1
Cerro Gordo	7.8	7.4	6.8	6.3	6.4	6.1	5.5	5.4	5.6	5.5	6.0	6.0
Cherokee	5.6	5.3	4.8	4.5	4.9	4.8	4.3	4.2	4.0	3.8	4.2	4.5
Chickasaw	5.1	4.9	4.7	4.2	4.7	4.4	4.2	3.9	3.3	2.7	3.1	3.3
Clarke	8.8	8.3	7.3	7.1	7.9	7.7	7.3	6.1	6.4	5.9	5.6	5.6
Clay	6.7	6.2	5.9	5.7	6.1	6.1	5.6	4.9	4.8	4.5	5.0	4.6
Clayton	5.9	5.6	5.2	4.6	4.7	4.8	4.5	4.4	4.4	4.2	4.4	4.5
Clinton	8.8	8.4	7.9	7.1	7.5	7.8	7.4	6.4	5.8	4.7	4.7	4.3
Crawford	9.6	8.1	6.3	5.4	5.5	5.2	4.4	4.0	4.3	3.9	4.0	4.4
Dallas	5.3	5.1	5.0	4.5	5.2	5.4	5.2	4.9	4.7	4.1	4.2	4.1
Davis	8.0	8.6	8.5	8.0	8.4	7.3	7.5	7.2	6.7	5.5	5.7	6.1
Decatur	11.0	10.3	9.5	9.0	9.1	8.6	8.0	7.3	7.2	7.0	7.8	7.7
Delaware	5.4	5.6	5.7	5.7	6.2	6.6	5.9	5.4	5.0	4.3	4.8	4.8
Des Moines	9.2	8.7	8.3	7.2	7.5	7.7	7.4	6.8	6.5	6.0	6.4	6.3
Dickinson	4.8	4.5	4.6	4.2	4.2	4.0	3.9	3.8	4.1	4.0	4.1	4.1
Dubuque	6.3	5.8	5.7	5.4	5.9	6.1	6.0	5.9	5.6	4.6	4.6	4.6
Emmet	7.6	7.4	7.0	6.7	7.5	7.8	6.8	5.7	5.4	4.8	5.1	5.2
Fayette	8.3	7.5	6.7	6.2	6.6	6.3	5.7	5.2	5.0	4.5	4.7	4.6
Floyd	8.4	8.0	7.6	6.6	7.1	7.3	6.4	6.2	5.9	5.4	5.8	5.5
Franklin	6.3	5.9	5.3	4.7	4.7	4.7	4.3	4.3	4.3	3.9	4.4	4.7
Fremont	8.3	7.6	7.5	6.8	7.0	6.8	6.5	5.6	5.2	4.7	5.5	5.7
Greene	6.6	6.3	5.6	5.2	5.3	5.5	5.1	4.8	4.5	4.2	4.7	4.7
Grundy	4.0	3.6	3.5	3.1	3.5	3.4	3.2	3.0	2.8	2.5	2.8	2.7
Guthrie	7.6	6.9	6.5	6.9	7.6	7.0	6.5	6.0	5.7	5.3	5.6	5.6
Hamilton	6.5	5.7	5.4	5.1	5.4	5.0	4.4	4.6	4.5	4.2	4.5	4.6
Hancock	5.4	4.6	4.0	3.4	3.7	3.6	3.3	3.0	3.2	3.2	3.7	3.8
Hardin	6.6	5.9	5.4	5.2	5.1	4.8	4.4	4.1	4.2	4.4	4.6	4.5
Harrison	9.1	8.3	7.6	6.6	6.7	6.3	6.4	6.4	6.3	5.6	6.1	6.3
Henry	6.8	6.1	5.4	4.8	4.7	5.1	5.5	5.4	5.1	4.3	4.7	5.0
Howard	6.4	6.1	5.4	4.6	5.0	5.4	5.5	5.2	5.3	4.6	5.0	5.2
Humboldt	5.9	5.6	5.4	5.0	5.2	5.0	4.6	3.8	3.8	3.7	4.3	4.1
Ida	4.8	4.1	4.1	3.8	4.1	3.8	3.3	3.1	3.2	3.1	3.3	3.5
Iowa	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	7.9	7.5	7.4	7.0	7.4	7.7	7.0	6.6	6.1	5.1	4.6	4.7
Jasper	5.8	5.4	5.2	5.0	5.5	5.9	5.6	5.3	5.3	4.8	5.2	5.0

*1989 and 1991 rates were calculated with 1990 population counts; population estimates were not available.

Table 3. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1991 (continued).

County	1991*	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	7.3	7.0	6.3	5.6	5.8	5.4	5.1	5.0	5.2	5.0	5.1	5.6
Johnson	3.1	2.9	2.6	2.6	2.6	2.5	2.3	2.1	2.1	2.0	2.3	2.3
Jones	5.1	5.2	5.1	5.0	5.2	5.4	4.9	4.6	4.5	4.4	4.5	4.7
Keokuk	8.6	8.2	7.9	7.2	7.2	6.9	6.0	5.3	4.7	4.2	4.7	4.6
Kossuth	5.2	4.8	4.0	3.4	3.7	3.5	3.1	2.9	3.1	3.1	3.5	3.4
Lee	9.7	9.1	8.6	7.9	8.2	8.3	8.1	7.7	7.4	6.4	6.4	6.1
Linn	6.6	6.2	5.8	5.6	6.1	6.2	6.0	5.8	5.6	5.0	5.0	4.9
Louisa	7.9	7.2	6.6	6.4	7.2	7.3	7.2	7.4	6.5	5.7	6.0	6.6
Lucas	10.0	9.2	8.9	8.4	8.9	9.2	8.9	8.7	8.1	7.3	7.5	8.2
Lyon	3.9	3.7	3.4	3.0	3.0	3.0	2.9	2.8	2.6	2.6	2.6	2.4
Madison	5.9	5.9	5.8	5.3	5.6	5.8	5.7	5.5	5.4	4.8	4.8	4.9
Mahaska	8.9	8.5	7.8	7.1	7.4	7.4	6.9	6.5	6.4	5.8	6.2	6.2
Marion	5.4	5.2	4.9	4.8	5.1	5.4	5.0	4.9	4.7	4.1	4.4	4.6
Marshall	7.6	6.9	6.5	6.0	6.3	5.9	5.5	5.4	5.0	4.1	5.2	5.5
Mills	10.9	10.8	10.8	11.0	11.5	11.7	11.8	10.9	10.6	10.8	11.5	11.4
Mitchell	4.6	4.0	4.0	3.8	3.8	3.6	3.4	3.5	3.6	3.4	3.5	3.6
Monona	10.4	9.4	8.3	7.8	8.3	8.2	7.3	6.8	6.5	6.2	6.1	6.1
Monroe	10.4	10.6	10.4	10.2	9.9	9.9	8.5	7.3	7.1	6.1	6.1	5.9
Montgomery	7.4	6.7	6.3	5.9	6.5	6.5	6.0	5.2	5.0	5.0	5.0	5.1
Muscatine	8.9	8.5	7.9	7.3	7.9	7.8	7.3	6.5	6.0	5.5	5.7	6.0
O'Brien	4.9	4.5	4.2	4.4	4.6	4.2	3.8	3.7	3.6	3.4	3.9	3.8
Osceola	4.4	3.8	3.7	3.1	3.1	3.7	3.4	2.7	2.6	2.3	2.5	2.9
Page	9.2	8.5	8.5	7.8	7.9	7.9	7.0	6.4	6.3	5.5	5.8	5.9
Palo Alto	6.9	6.5	6.0	5.7	6.1	6.2	5.9	5.2	5.1	5.1	5.6	6.1
Plymouth	3.9	3.9	3.8	3.5	3.5	3.6	3.2	2.9	2.9	2.7	3.1	3.1
Pocahontas	6.0	5.1	4.5	3.7	4.0	4.1	4.0	4.0	3.8	3.7	4.1	4.2
Polk	7.8	7.2	6.7	6.4	6.7	6.8	6.8	6.8	6.8	6.5	7.1	6.9
Pottawattamie	9.5	8.6	7.9	7.1	7.1	7.2	7.1	7.0	7.2	7.1	7.9	7.9
Poweshiek	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	8.9	8.9	9.0	9.1	9.5	8.6	8.4	7.1	6.6	6.1	6.4	6.7
Sac	6.1	5.6	5.2	4.5	4.3	4.6	4.5	4.3	3.9	3.5	3.8	3.8
Scott	10.2	9.7	9.0	8.5	8.7	8.5	8.1	7.7	7.0	6.1	6.1	6.2
Shelby	5.7	5.5	4.4	4.0	4.1	3.9	3.6	3.3	3.3	3.1	3.2	3.1
Sioux	3.4	3.1	3.0	2.7	2.9	2.7	2.5	2.2	2.3	2.3	2.5	2.6
Sioux	3.2	3.0	2.6	2.4	2.6	2.5	2.3	2.0	1.9	1.8	2.1	2.1
Story	3.2	3.0	2.6	2.4	2.6	2.5	2.3	2.0	1.9	1.8	2.1	2.1
Tama	6.9	6.2	5.6	5.4	5.7	5.3	5.0	4.7	4.7	4.6	5.3	5.3
Taylor	8.8	8.6	7.8	6.9	7.4	7.7	7.3	6.7	6.1	5.2	5.6	5.9
Union	10.0	9.9	9.8	8.9	9.3	9.4	8.7	7.8	7.1	6.6	6.9	7.0
Van Buren	7.2	7.0	6.3	6.0	6.0	6.2	6.3	6.1	5.6	4.7	5.0	5.8
Wapello	12.7	11.7	11.3	11.1	11.7	11.1	9.8	9.3	8.7	7.5	7.7	7.9
Warren	5.2	4.8	4.5	4.2	4.5	4.6	4.8	4.7	4.5	4.0	4.3	4.3
Washington	6.1	5.8	5.3	5.0	4.9	4.8	4.6	4.0	3.6	3.5	3.9	4.1
Wayne	9.2	9.5	8.6	8.4	8.2	8.4	8.4	8.2	7.6	7.0	7.2	7.4
Webster	10.1	9.5	8.9	8.1	8.4	8.3	7.6	7.3	6.8	6.3	6.8	7.2
Winnebago	4.9	4.7	4.0	3.5	3.7	3.8	3.6	3.2	3.7	3.5	4.1	3.9
Winneshiek	4.3	3.8	3.7	3.5	3.5	3.6	3.3	3.0	3.0	2.8	3.2	3.2
Woodbury	10.2	9.5	8.7	8.4	8.9	8.4	7.9	7.7	7.5	7.1	7.7	7.9
Worth	5.9	5.9	4.9	4.4	5.1	5.0	4.5	4.4	4.3	4.3	4.5	4.3
Wright	6.6	5.8	5.3	5.1	5.4	5.6	5.0	4.7	4.5	4.3	5.2	5.5
State of Iowa	7.4	6.9	6.5	6.1	6.4	6.4	6.1	5.8	5.5	5.1	5.4	5.4

fewer than 400 recipients of medical assistance, with Adams and Osceola the only ones of these below 300.

The state and 98 counties had more Title XIX recipients in 1991 than in 1981. Black Hawk, Linn, Polk, and Scott averaged at least 5,000 more persons receiving benefits in the later year. Ten other counties had at least 1,000 more, while nine increased by less than 100. Only Mills had fewer recipients in 1991 than in 1981.

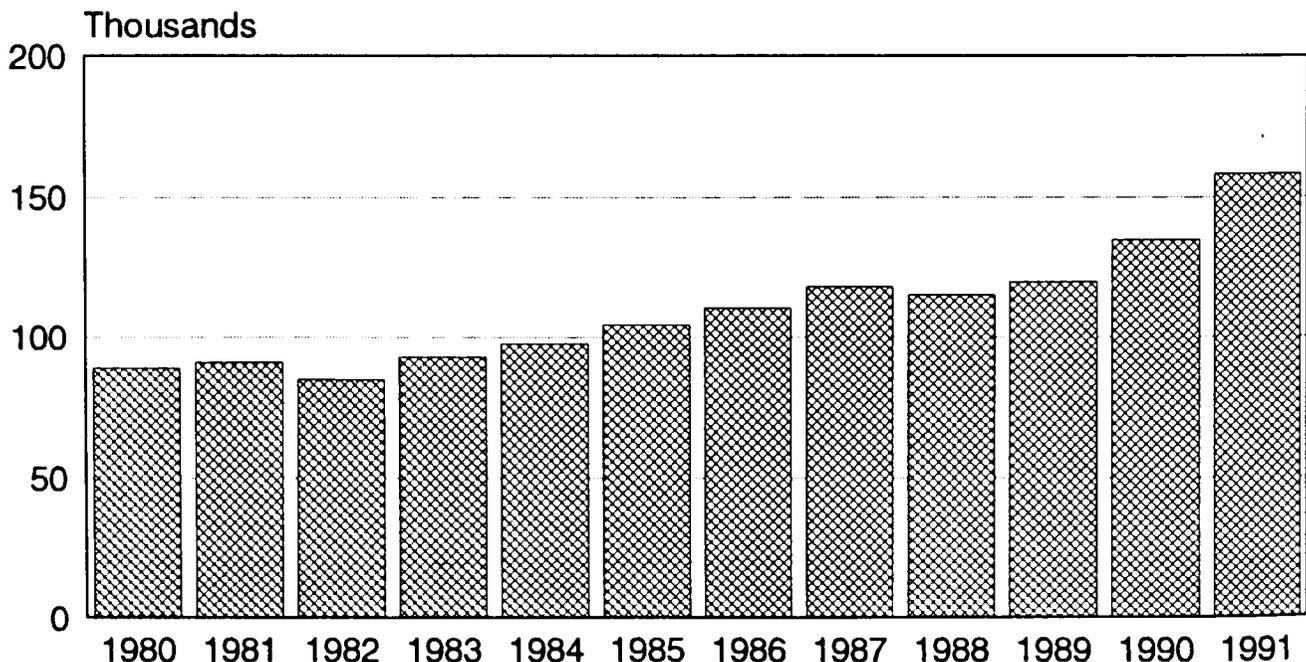
In Iowa in 1991, an average of 77.1% of those eligible received benefits monthly. That figure for 1981 for the state was 57.9%. For the counties in Iowa in 1991, the percentage of those eligible who received benefits ranged from 62.6% to 92.6%.

Percentage of the Population Eligible for Title XIX Assistance

In 1991, an average of 7.4% of Iowa's population was eligible for the Title XIX program (Table 3). The percentages were somewhat higher in recent years than in the early 1980s. For the counties in 1991, the percentage of the population that was eligible for medical assistance ranged from less than 5% in 15 to 10% or more in 12 counties. Residents eligible for the program accounted for less than 4% of the total population in Johnson, Lyon, Plymouth, Sioux, and Story; they were 11% or greater in Appanoose, Decatur, and Wapello. Fifty-eight counties had percentages lower than that for the state. The percentage of the population eligible for the program was higher than the state figure in 40 counties. All counties except Mills had a higher percentage of their population eligible for the Title XIX medical assistance program in 1991 than in 1981.

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.

Figure 1. Average number of recipients of Title XIX benefits in Iowa, 1980-1991.



Domestic Abuse in Iowa's Counties:

1986-1990

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University
Michael Covey, Iowa Department of Public Safety

The Iowa Department of Public Safety began keeping records on incidents of domestic abuse on the 1st of July in 1985. It has issued a report each fall since 1986 with summary data on reported cases, characteristics of victims and offenders, and characteristics of the incidents. Domestic abuse, as defined in the Iowa Code, includes assaults in which both the victim and offender are "members of the same family or household who resided together at the time of the assault" or "between separated spouses or persons divorced from each other and not residing together at the time of the assault." Cases in which the victim is under 18 are excluded unless that person is married to or cohabiting with the offender. The numbers included in this section are based on reports that law enforcement agencies file for each incident of domestic violence that they investigate.

Data for the State

Incidents of domestic abuse increased from 3,496 in 1986 to 6,191 in 1990 (Tables 1-4). Gains of nearly 1,000 cases occurred between 1986-1987 and 1987-1988. The increase of 265 reports between 1989 and 1990 was the smallest gain since these statistics were first recorded (Figure 1).

Females tend to be victims while males generally are the offenders in cases of domestic abuse. In 1990, for example, 85.1% of the victims were females while 85.7% of the offenders were males. These percentages have changed only slightly since 1987, when 89.1% of the offenders were males while 88.2% of the victims were females. Arrests in these cases have increased slightly; in 1987, arrests were made in 64.5% of the reports for which a response was provided, while they occurred in 72.7% of the cases in 1990.

Data for Counties

In 1990, 14 counties had at least 100 cases of domestic abuse reported by law enforcement personnel (Table 1). Five of these counties (Black Hawk, Linn, Polk, Scott, Woodbury) counted 500 or more incidents. These five accounted for nearly half (49.7%) of the domestic abuse reports in the state in 1990. Three counties (Emmet, Ringgold, Union) had no incidents and 33 had fewer than 10.

In the 96 counties in which domestic abuse cases were reported in 1990, the percentage of victims who were female varied from 50% in one county (Lyon) to 100% in 27 others. Females were victims in at least 90% of the incidents in 44 counties, and males were the offenders in at least 90% of the cases in 47 counties. In only eight counties (Bremer, Chickasaw, Grundy, Iowa, Lucas, Lyon, Mitchell, Washington) were males the offenders in less than three of every four incidents in 1990. Arrests occurred in all incidents of domestic abuse in 23 counties that year. In 38 other counties, arrests took place in at least 75% of the reports. But arrests were reported in less than 50% of the incidents in seven others (Adair, Appanoose, Calhoun, Iowa, Keokuk, Madison, Mills) in 1990.

The number of cases of domestic abuse increased in 69 counties between 1986 and 1990. Gains of at least 100 incidents occurred in eight counties, with Scott (+392) and Linn (+351) reporting the largest increases. Four counties had the same number of incidents in 1986 and 1990, and 26 reported fewer at the end of the period than at the beginning. Of these 26, only two (Clay, Franklin) dropped by at least 10 incidents when these two years were compared. Caution in comparing the 1986 and 1990

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1990.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	2	2	0	0	2	0	2
Adams	1	1	0	0	1	1	0
Allamakee	8	7	1	1	7	8	0
Appanoose	55	44	11	7	48	23	30
Audubon	4	4	0	0	4	3	1
Benton	36	32	4	3	33	33	3
Black Hawk	513	428	85	77	436	380	130
Boone	28	27	1	1	27	28	0
Bremer	5	3	2	2	3	4	1
Buchanan	26	19	7	4	22	18	8
Buena Vista	30	27	3	3	27	28	1
Butler	1	1	0	0	1	1	0
Calhoun	2	2	0	0	2	0	2
Carroll	18	16	2	1	17	15	2
Cass	15	15	0	0	15	12	3
Cedar	32	29	3	3	27	27	3
Cerro Gordo	89	81	8	8	81	84	4
Cherokee	31	29	2	3	28	22	6
Chickasaw	10	7	3	3	7	9	1
Clarke	1	1	0	0	1	1	0
Clay	13	10	3	3	10	10	3
Clayton	3	2	1	0	3	3	0
Clinton	137	118	18	20	117	117	18
Crawford	34	28	6	3	31	20	13
Dallas	40	30	10	9	31	33	7
Davis	10	9	1	1	9	10	0
Decatur	7	7	0	0	7	7	0
Delaware	12	10	2	3	9	10	1
Des Moines	104	91	13	13	90	94	10
Dickinson	11	10	1	1	10	9	2
Dubuque	263	205	58	59	204	188	65
Emmet	0	0	0	0	0	0	0
Fayette	11	10	1	0	11	8	3
Floyd	18	14	3	3	15	9	9
Franklin	6	6	0	1	5	3	3
Fremont	6	6	0	1	5	5	1
Greene	4	3	1	1	3	4	0
Grundy	5	3	2	2	3	4	1
Guthrie	10	10	0	1	9	7	3
Hamilton	10	9	1	1	9	10	0
Hancock	8	7	1	1	7	8	0
Hardin	22	17	5	5	17	19	2
Harrison	8	8	0	0	8	6	2
Henry	34	30	5	5	30	19	16
Howard	9	9	0	0	9	5	4
Humboldt	3	3	0	0	3	3	0
Ida	7	6	1	1	6	5	2
Iowa	3	2	1	1	2	1	2
Jackson	34	33	1	3	31	29	5
Jasper	47	38	9	8	39	40	5

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1990 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	33	31	2	2	31	23	10
Johnson	153	129	24	23	129	132	21
Jones	20	17	3	3	17	12	7
Keokuk	9	9	0	1	8	3	6
Kossuth	13	12	1	1	12	10	3
Lee	98	78	20	18	80	89	6
Linn	618	506	110	104	514	363	240
Louisa	11	10	1	1	10	8	3
Lucas	10	6	4	4	6	10	0
Lyon	4	2	2	2	2	4	0
Madison	17	14	3	2	15	7	9
Mahaska	27	21	6	5	22	23	3
Marion	58	51	7	4	54	54	4
Marshall	174	139	35	35	139	155	16
Mills	29	28	1	1	27	12	17
Mitchell	6	5	1	2	4	6	0
Monona	27	27	0	0	27	22	5
Monroe	19	19	0	0	19	18	1
Montgomery	37	33	4	3	34	25	12
Muscatine	170	147	23	23	147	133	22
O'Brien	16	13	3	3	13	13	3
Osceola	10	10	0	1	9	5	5
Page	34	32	2	3	31	20	14
Palo Alto	15	11	4	3	12	12	3
Plymouth	24	21	3	2	21	18	6
Pocahontas	3	3	0	0	3	3	0
Polk	827	723	103	101	726	499	322
Pottawattamie	279	245	33	32	247	157	115
Poweshiek	11	10	1	2	9	11	0
Ringgold	0	0	0	0	0	0	0
Sac	9	9	0	0	9	6	3
Scott	573	486	86	88	485	365	202
Shelby	12	10	2	2	10	8	4
Sioux	15	13	2	1	14	13	2
Story	91	67	24	22	69	64	24
Tama	20	18	2	2	18	20	0
Taylor	3	3	0	0	3	2	0
Union	0	0	0	0	0	0	0
Van Buren	8	8	0	0	8	4	3
Wapello	145	116	29	24	120	122	21
Warren	40	34	6	7	33	30	10
Washington	3	3	0	2	1	2	1
Wayne	1	1	0	0	1	1	0
Webster	168	143	25	26	142	150	16
Winnebago	1	1	0	0	1	1	0
Winneshiek	6	6	0	0	6	4	2
Woodbury	549	476	71	67	480	385	145
Worth	4	4	0	0	4	4	0
Wright	5	4	1	1	4	5	0
State of Iowa	6191	5263	920	885	5298	4416	1660

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1989.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	2	1	1	1	1	0	2
Adams	0	0	0	0	0	0	0
Allamakee	2	2	0	0	2	2	0
Appanoose	64	48	16	18	46	19	36
Audubon	8	6	2	2	6	4	4
Benton	22	22	0	0	22	18	4
Black Hawk	540	448	92	84	455	378	160
Boone	21	18	3	3	18	19	2
Bremer	2	2	0	0	2	2	0
Buchanan	29	21	8	10	19	22	7
Buena Vista	27	25	2	2	25	24	2
Butler	0	0	0	0	0	0	0
Calhoun	5	5	0	0	5	2	3
Carroll	35	30	5	4	31	22	12
Cass	15	12	3	3	12	9	6
Cedar	19	16	3	2	17	15	4
Cerro Gordo	101	87	14	13	88	91	8
Cherokee	27	25	2	2	25	22	4
Chickasaw	12	11	1	3	9	10	1
Clarke	2	2	0	0	2	1	1
Clay	18	16	2	2	16	16	0
Clayton	2	2	0	0	2	2	0
Clinton	83	68	15	15	68	72	7
Crawford	36	28	8	7	29	13	21
Dallas	17	16	1	2	15	13	4
Davis	2	2	0	0	2	2	0
Decatur	4	4	0	0	4	3	1
Delaware	19	18	1	1	18	17	2
Des Moines	59	58	1	1	58	48	10
Dickinson	21	18	3	2	19	18	3
Dubuque	233	180	53	50	183	192	35
Emmet	5	5	0	0	5	5	0
Fayette	16	15	1	1	15	12	4
Floyd	4	3	1	1	3	0	4
Franklin	8	6	2	1	7	7	1
Fremont	13	12	1	1	12	11	2
Greene	6	5	1	1	5	5	1
Grundy	2	1	1	1	1	2	0
Guthrie	2	2	0	0	2	2	0
Hamilton	17	15	2	2	15	16	0
Hancock	8	8	0	0	8	6	2
Hardin	16	16	0	0	16	16	0
Harrison	11	11	0	0	11	9	2
Henry	26	21	5	4	22	6	18
Howard	2	2	0	0	2	2	0
Humboldt	3	3	0	0	3	2	1
Ida	4	4	0	0	4	3	0
Iowa	11	11	0	0	11	6	5
Jackson	1	1	0	0	1	1	0
Jasper	35	28	7	7	28	32	1

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1989 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	27	26	1	1	26	20	7
Johnson	139	121	18	17	122	118	19
Jones	21	18	2	2	19	11	8
Keokuk	6	6	0	0	6	3	3
Kossuth	16	14	2	1	15	12	4
Lee	82	69	13	14	68	78	3
Linn	609	487	121	97	511	338	250
Louisa	19	16	3	3	16	9	9
Lucas	9	7	2	2	7	6	3
Lyon	1	1	0	0	1	1	0
Madison	12	10	2	2	10	4	7
Mahaska	30	28	2	1	29	28	1
Marion	28	28	0	0	28	21	6
Marshall	217	154	63	57	160	192	22
Mills	17	17	0	0	17	10	7
Mitchell	8	6	2	1	7	6	2
Monona	6	6	0	0	6	6	0
Monroe	20	18	2	1	19	15	4
Montgomery	33	29	4	4	29	20	11
Muscatine	100	87	13	12	88	69	24
O'Brien	15	14	1	1	14	6	9
Osceola	4	4	0	0	4	4	0
Page	36	35	1	1	35	15	20
Palo Alto	9	6	3	1	8	7	2
Plymouth	16	15	1	1	15	8	8
Pocahontas	0	0	0	0	0	0	0
Polk	886	776	110	100	785	519	356
Pottawattamie	290	246	44	43	244	165	111
Poweshiek	17	15	2	2	15	16	1
Ringgold	0	0	0	0	0	0	0
Sac	12	10	2	2	10	11	1
Scott	522	450	71	75	446	303	215
Shelby	9	8	1	1	8	6	3
Sioux	8	8	0	0	8	7	1
Story	92	73	19	18	74	70	19
Tama	8	8	0	0	8	8	0
Taylor	2	2	0	0	2	0	2
Union	1	1	0	0	1	1	0
Van Buren	15	13	2	2	13	10	1
Wapello	176	139	37	39	137	145	26
Warren	27	26	1	1	26	21	5
Washington	3	3	0	0	3	2	1
Wayne	2	2	0	0	2	2	0
Webster	185	151	34	32	152	150	29
Winnebago	11	8	3	3	8	5	6
Winneshiek	16	14	2	2	14	14	1
Woodbury	541	473	68	74	465	379	146
Worth	5	5	0	0	5	3	2
Wright	1	1	0	0	1	0	1
State of Iowa	5926	5014	909	859	5057	4043	1736

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1988.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	3	3	0	0	3	1	2
Adams	0	0	0	0	0	0	0
Allamakee	1	1	0	0	1	1	0
Appanoose	64	55	9	10	54	23	38
Audubon	5	5	0	0	5	5	0
Benton	33	30	3	3	30	24	9
Black Hawk	408	359	48	51	357	288	118
Boone	15	14	1	1	14	15	0
Bremer	5	4	1	1	4	3	2
Buchanan	27	24	3	3	24	17	9
Buena Vista	38	37	1	0	38	35	3
Butler	0	0	0	0	0	0	0
Calhoun	4	3	1	0	4	1	2
Carroll	22	21	1	1	21	16	6
Cass	6	4	2	1	5	0	6
Cedar	15	13	2	2	13	8	7
Cerro Gordo	110	88	22	21	89	105	5
Cherokee	3	3	0	0	3	3	0
Chickasaw	17	13	4	4	13	15	1
Clarke	4	4	0	0	4	4	0
Clay	22	18	4	4	18	20	2
Clayton	1	1	0	0	1	1	0
Clinton	64	59	5	4	60	55	8
Crawford	25	23	2	3	22	8	17
Dallas	30	23	7	6	23	26	3
Davis	7	6	1	1	6	6	0
Decatur	1	1	0	0	1	1	0
Delaware	5	5	0	0	5	5	0
Des Moines	69	64	5	5	64	46	22
Dickinson	23	22	1	1	22	18	5
Dubuque	241	180	61	59	182	180	57
Emmet	5	5	0	0	5	5	0
Fayette	13	11	2	1	12	10	3
Floyd	8	8	0	0	8	5	3
Franklin	10	9	1	2	8	3	7
Fremont	12	11	1	1	11	12	0
Greene	12	11	1	1	11	6	6
Grundy	0	0	0	0	0	0	0
Guthrie	1	1	0	0	1	1	0
Hamilton	25	23	2	2	23	23	1
Hancock	11	9	2	3	8	6	5
Hardin	11	10	1	1	10	10	1
Harrison	4	4	0	0	4	4	0
Henry	45	36	9	5	40	17	28
Howard	6	5	1	1	5	4	2
Humboldt	2	2	0	0	2	2	0
Ida	4	3	1	0	4	4	0
Iowa	12	12	0	0	12	4	8
Jackson	2	2	0	0	2	2	0
Jasper	53	47	6	9	44	42	11

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa Counties, 1988 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	20	19	1	1	19	14	3
Johnson	121	103	18	20	100	94	25
Jones	19	18	1	1	18	12	7
Keokuk	3	3	0	0	3	1	2
Kossuth	9	7	2	1	8	3	6
Lee	79	71	8	7	72	72	4
Linn	604	496	108	91	512	353	219
Louisa	26	21	5	5	21	18	8
Lucas	11	8	3	3	8	10	1
Lyon	3	3	0	0	3	3	0
Madison	14	14	0	0	14	6	8
Mahaska	14	13	1	1	13	13	1
Marion	55	49	6	6	49	35	18
Marshall	155	117	38	33	122	139	12
Mills	14	11	3	3	11	7	6
Mitchell	8	7	1	1	7	8	0
Monona	13	12	1	1	12	7	6
Monroe	5	5	0	0	5	5	0
Montgomery	21	19	2	0	21	19	2
Muscatine	77	71	6	6	71	50	22
O'Brien	6	6	0	0	6	5	1
Osceola	6	6	0	0	6	4	0
Page	26	25	1	1	25	17	9
Palo Alto	7	7	0	0	7	6	1
Plymouth	4	4	0	0	4	3	1
Pocahontas	6	5	1	1	5	6	0
Polk	741	648	93	86	655	399	337
Pottawattamie	338	283	55	56	282	239	99
Poweshiek	18	17	1	1	17	11	6
Ringgold	0	0	0	0	0	0	0
Ringgold	0	0	0	0	0	0	0
Ringgould	0	0	0	0	0	0	0
Sac	12	11	1	1	11	7	5
Scott	447	396	50	48	399	240	200
Shelby	7	7	0	0	7	6	1
Sioux	12	11	1	1	11	10	2
Sioux	12	11	1	1	11	10	2
Sioux	12	11	1	1	11	10	2
Story	83	68	15	13	70	51	31
Tama	14	13	1	1	13	12	2
Tama	14	13	1	1	13	12	2
Taylor	2	1	1	1	1	2	0
Taylor	2	1	1	1	1	2	0
Union	2	2	0	0	2	1	1
Union	2	2	0	0	2	1	1
Van Buren	13	12	1	1	12	8	5
Van Buren	13	12	1	1	12	8	5
Wapello	151	123	28	28	123	130	18
Wapello	151	123	28	28	123	130	18
Warren	40	36	4	2	38	22	15
Washington	7	7	0	0	7	7	0
Washington	7	7	0	0	7	7	0
Wayne	6	6	0	0	6	6	0
Wayne	6	6	0	0	6	6	0
Webster	180	166	14	14	166	135	43
Webster	180	166	14	14	166	135	43
Winnebago	2	2	0	0	2	2	0
Winnebago	2	2	0	0	2	2	0
Winneshiek	11	11	0	0	11	10	1
Winneshiek	11	11	0	0	11	10	1
Woodbury	547	471	76	74	473	376	165
Worth	7	5	2	1	6	4	3
Wright	8	6	2	3	5	5	3
Wright	8	6	2	3	5	5	3
State of Iowa	5478	4714	762	720	4755	3683	1696

Table 4. Domestic Abuse Cases (1986, 1987), Victims, Offenders, and Arrests (1987) in Iowa Counties.

County	1987							1986 Cases
	Cases	Victims		Offenders		Arrests		
		Female	Male	Female	Male	Yes	No	
Adair	3	3	0	0	3	3	0	0
Adams	1	1	0	0	1	1	0	0
Allamakee	2	2	0	0	2	0	2	0
Appanoose	55	53	2	2	53	25	30	28
Audubon	2	1	1	0	2	1	1	2
Benton	20	19	1	1	19	19	1	16
Black Hawk	302	270	32	31	271	203	96	250
Boone	18	17	1	1	17	17	1	17
Bremer	5	5	0	0	5	4	1	8
Buchanan	12	8	4	3	9	0	0	11
Buena Vista	11	11	0	0	11	11	0	13
Butler	1	1	0	0	1	1	0	1
Calhoun	13	8	5	5	8	1	12	10
Carroll	6	6	0	0	6	5	1	7
Cass	9	6	3	3	6	4	5	17
Cedar	12	12	0	0	12	8	4	16
Cerro Gordo	117	94	23	24	93	102	14	93
Cherokee	8	8	0	0	8	7	1	5
Chickasaw	20	18	2	2	18	10	10	12
Clarke	3	3	0	0	3	3	0	6
Clay	21	19	2	2	19	12	9	23
Clayton	5	5	0	0	5	1	4	1
Clinton	57	53	4	5	52	36	20	68
Crawford	0	0	0	0	0	0	0	3
Dallas	15	15	0	0	15	12	3	12
Davis	14	13	1	1	13	9	5	2
Decatur	0	0	0	0	0	0	0	6
Delaware	9	9	0	0	9	6	3	9
Des Moines	55	53	2	2	53	23	32	60
Dickinson	19	17	2	0	19	13	6	14
Dubuque	192	157	35	27	165	146	46	111
Emmet	2	2	0	1	1	2	0	6
Fayette	24	20	4	3	21	17	7	19
Floyd	2	2	0	0	2	0	2	6
Franklin	6	6	0	0	6	3	3	30
Fremont	10	10	0	0	10	8	2	5
Greene	7	7	0	0	7	0	7	3
Grundy	0	0	0	0	0	0	0	3
Guthrie	4	4	0	0	4	2	2	3
Hamilton	11	9	2	2	9	8	3	5
Hancock	4	4	0	1	3	3	1	1
Hardin	11	9	2	1	10	4	6	10
Harrison	6	6	0	0	6	6	0	16
Henry	36	28	8	9	27	14	22	34
Howard	3	3	0	0	3	1	2	4
Humboldt	3	3	0	0	3	3	0	4
Ida	6	5	1	0	6	6	0	0
Iowa	9	9	0	3	6	2	7	5
Jackson	11	10	1	1	10	11	0	12
Jasper	42	33	9	10	32	38	5	22

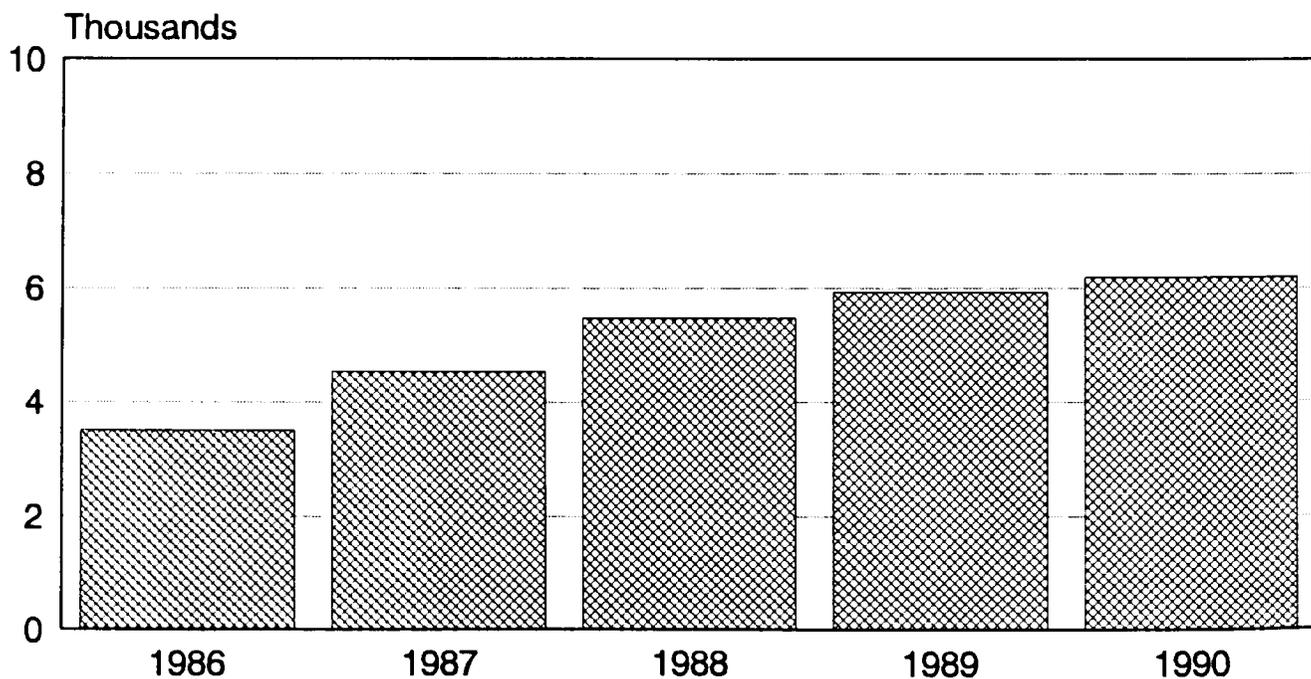
Table 4. Domestic Abuse Cases (1986, 1987), Victims, Offenders, and Arrests (1987) in Iowa Counties (continued).

County	1987							1986 Cases
	Cases	Victims		Offenders		Arrests		
		Female	Male	Female	Male	Yes	No	
Jefferson	8	7	1	1	7	7	1	27
Johnson	97	81	15	13	84	68	28	88
Jones	13	11	1	1	12	8	5	13
Keokuk	2	1	1	1	1	1	1	6
Kossuth	8	8	0	1	7	5	3	14
Lee	61	54	7	6	55	55	5	47
Linn	484	411	72	65	419	296	186	267
Louisa	12	11	1	2	10	9	3	10
Lucas	7	6	1	1	6	4	3	5
Lyon	8	6	2	0	8	5	2	1
Madison	12	12	0	0	12	4	8	8
Mahaska	22	18	3	2	20	17	5	14
Marion	37	32	5	3	34	18	19	35
Marshall	154	123	31	30	122	133	21	73
Mills	22	19	3	1	21	7	15	9
Mitchell	7	4	3	1	6	3	4	9
Monona	11	11	0	0	11	8	3	11
Monroe	8	8	0	0	8	4	3	4
Montgomery	25	22	3	3	22	23	2	39
Muscatine	64	59	5	4	60	39	25	96
O'Brien	4	3	1	1	3	1	3	5
Osceola	2	2	0	0	2	0	2	3
Page	22	19	3	1	21	6	16	16
Palo Alto	10	10	0	0	10	8	2	3
Plymouth	16	14	2	1	14	13	3	11
Pocahontas	3	3	0	0	3	3	0	9
Polk	866	788	78	78	784	490	349	730
Pottawattamie	192	175	17	17	175	96	96	159
Poweshiek	17	17	0	0	17	16	1	14
Ringgold	0	0	0	0	0	0	0	0
Sac	4	4	0	0	4	2	2	4
Scott	293	244	49	42	250	168	123	181
Shelby	4	4	0	0	4	2	2	7
Sioux	18	16	1	0	18	15	3	5
Story	76	64	12	12	64	44	32	82
Tama	17	16	0	0	17	13	4	14
Taylor	5	4	1	0	5	4	1	1
Union	2	2	0	0	2	1	1	1
Van Buren	10	10	0	0	10	9	1	3
Wapello	81	60	21	21	60	70	9	2
Warren	41	30	11	6	35	24	17	46
Washington	9	9	0	0	9	3	6	9
Wayne	2	2	0	0	2	2	0	7
Webster	175	169	6	4	171	112	63	79
Winnebago	9	9	0	0	9	3	6	7
Winneshiek	13	13	0	0	13	11	2	7
Woodbury	377	342	34	35	342	249	127	295
Worth	5	5	0	0	5	2	3	4
Wright	4	4	0	0	4	3	1	7
State of Iowa	4543	3999	537	493	4042	2895	1593	3496

figures is suggested because details involving reporting procedures were first implemented by law enforcement agencies in 1985-1986.

Note: The figures examined in this report are from the IOWA DOMESTIC ABUSE REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. These data depend on residents reporting incidents of abuse to law enforcement agencies. The record of agencies in turn submitting information to the state is excellent, but variations in reporting practices among county residents and local agencies suggest that caution be taken in drawing conclusions from these data. Please note that the totals listed in these tables for the State of Iowa may vary slightly from those included in the abuse reports from which they were obtained; the county figures were summed to yield the numbers noted in our tables. Also, 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.

Figure 1. Domestic abuse cases in Iowa, 1986-1990.



Serious Crimes Reported in Iowa's Counties:

1980-1990

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 Letitia Turner, Iowa State University
 Michael Coveyou, Iowa Department of Public Safety

The Iowa Department of Public Safety keeps statistical records on crimes reported in Iowa. Only information on "Part I 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 as "Part I Crimes" are murders, forcible rapes, robberies, aggravated assaults, burglaries, larcenies, and motor vehicle thefts. Definitions of these crimes are included in a note concluding this report.

Serious Crimes

Five of these "Part I Crimes" occurred less frequently in the late 1980s than in the earlier part of the decade in Iowa (Figures 1, 2). Murders peaked at 75 in 1981 and were lowest at 47 in 1988, for example (Table 1). Robberies, burglaries, larcenies, and motor vehicle thefts tended to be substantially lower in the late 1980s than in earlier years (Tables 2, 3, 4). Forcible rapes (Table 1) and aggravated assaults (Table 2), however, were much higher in 1990 than they had been in 1980. Indeed, reports of forcible rapes increased by 185 (57.1%) between 1987 and 1990; aggravated assaults increased every year from 1982 through 1990, with 3,081 (87.1%) more of these crimes reported in the most recent year than in 1982. In contrast, 517 fewer robberies were reported in 1990 than in 1980, and burglaries (-9,067), larcenies (-15,574), and motor vehicle thefts (-2,488) also dropped from 1980 to 1990.

In every year except 1983, Polk was the only county in which at least 10 murders were reported (Table 1). Scott noted 10 that year, while Polk had nine. Of the 653 murders from 1980 through 1990, one of every four was reported in Polk (167). Scott was the only other county that had as many as 50 murders, and 24 counties reported none throughout this period. Five counties (Audubon, Emmet, Howard, Ringgold, Sac) reported no forcible rapes from 1980 through 1990, and another 63 counties averaged less than one per year. Polk reported 1,124 and Scott had 663; five others (Black Hawk, Johnson, Linn, Pottawattamie, Woodbury) reported 200-375 forcible rapes. These seven counties had nearly three out of every four (74.3%) forcible rapes in Iowa from 1980 through 1990. No aggravated assaults were reported in Ringgold during the 1980-1990 period, and another 32 counties had less than 50 (Table 2). At least 1,000 such assaults were reported in 13 counties, with Polk (10,760) and Scott (7,765) substantially higher than the others. Indeed, these two counties accounted for more than a third (35.7%) of all aggravated assaults from 1980 through 1990.

Robberies reported from 1980 through 1990 varied from none in three counties (Audubon, Howard, Keokuk) to 5,004 in Polk (Table 2). Fifty-nine other counties averaged less than one reported robbery per year. Black Hawk, Linn, Pottawattamie, Scott, and Woodbury joined Polk with at least 500 robberies. At least 10,000 burglaries were reported in Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury, with the 54,689 reported in Polk more than double the next highest total (Table 3). The 194,133 larcenies in Polk also were more than twice the next figure (76,648 in Linn). Motor vehicle thefts were reported most frequently for Polk (11,838) and Linn (4,545); they exceeded 2,000 in five other counties (Black Hawk, Dubuque, Pottawattamie, Scott, Woodbury) (Table 4).

Table 1. Numbers of Murders and Forcible Rapes Reported in Iowa Counties, 1980-1990.

County	Murders											Forcible Rapes										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Allamakee	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	2	0	1	
Appanoose	1	0	1	0	0	0	1	0	0	0	1	0	0	1	1	0	0	1	0	0	0	
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benton	0	1	0	3	1	0	0	0	0	1	1	0	1	0	1	2	1	7	0	7	9	0
Black Hawk	5	4	3	1	1	3	0	5	3	9	3	30	30	35	19	33	19	25	18	24	9	22
Boone	0	0	0	1	0	0	1	2	0	0	2	3	1	2	3	5	0	1	0	2	1	2
Bremer	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1	0	2	1	
Buchanan	0	0	0	0	0	0	0	0	1	0	0	0	0	2	2	2	0	1	0	0	1	0
Buena Vista	0	0	0	1	1	0	0	2	0	0	0	3	2	0	0	1	0	3	1	0	1	2
Butler	0	0	0	0	0	0	0	4	0	0	0	1	0	0	1	0	0	0	0	0	1	1
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Carroll	0	0	1	0	0	0	0	0	0	0	0	1	1	2	1	0	2	0	0	3	1	1
Cass	0	0	1	0	0	0	1	0	0	0	0	1	0	2	1	0	1	1	3	0	1	1
Cedar	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	2	0	0	1	0	0	0
Cerro Gordo	0	0	2	0	2	0	2	0	3	0	0	6	5	6	2	8	4	10	10	6	24	9
Cherokee	0	0	0	0	0	0	0	0	0	0	0	8	3	1	2	0	0	3	0	1	0	2
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Clarke	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	0
Clay	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0
Clayton	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Clinton	1	1	2	0	2	2	0	0	1	9	1	1	6	4	6	5	5	4	11	7	1	12
Crawford	0	0	0	1	2	0	0	0	0	0	0	0	1	0	0	1	3	0	0	1	0	0
Dallas	0	1	1	0	0	1	1	0	1	1	0	1	0	1	0	2	0	1	1	3	1	
Davis	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	1	1	0	
Decatur	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0	1	
Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	1	2	
Des Moines	0	2	0	0	0	0	0	2	2	0	4	2	6	6	7	4	3	10	11	3	4	5
Dickinson	2	0	0	1	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0	1	0	0
Dubuque	1	0	1	2	0	1	1	2	0	0	2	25	7	8	2	2	4	8	2	1	3	12
Emmet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fayette	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	1

Table 1. Numbers of Murders and Forcible Rapes Reported in Iowa Counties, 1980-1990 (continued).

County	Murders											Forcible Rapes										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	2	
Franklin	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	2	0	
Fremont	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	2	0	1	2	
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	
Grundy	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	
Guthrie	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	
Hamilton	0	0	0	1	0	1	0	0	0	0	0	1	3	1	0	3	2	2	3	1	0	
Hancock	0	0	0	0	0	1	0	0	2	1	0	1	1	0	2	0	0	1	0	2	1	
Hardin	0	0	1	0	0	1	0	0	0	0	0	0	3	1	1	0	1	1	2	1	2	
Harrison	0	0	0	0	0	0	0	2	1	1	0	0	0	0	1	0	0	0	1	0	0	
Henry	0	0	0	0	1	0	0	4	0	2	2	0	1	0	0	0	0	0	0	1	0	
Howard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2		
Ida	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	
Iowa	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0		
Jackson	0	0	0	1	0	1	1	0	0	1	0	1	0	1	1	1	0	0	0	0	1	
Jasper	0	1	2	0	1	1	1	2	2	0	0	0	1	3	0	1	0	2	1	0	2	
Jefferson	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	
Johnson	0	1	1	0	0	5	1	1	0	5	0	40	55	54	37	32	27	32	32	20	18	17
Jones	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	
Keokuk	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Kossuth	0	0	0	6	0	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	1	
Lee	1	1	0	0	0	1	2	0	2	0	1	5	0	8	1	1	10	4	5	4	2	3
Linn	2	6	2	2	2	2	6	5	4	5	2	19	14	12	12	17	26	20	26	24	24	25
Louisa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
Lucas	0	1	0	0	0	0	1	1	1	0	0	0	2	0	0	2	0	1	1	3	1	
Lyon	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	2	
Madison	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	2	0	0	0	1	
Mahaska	1	0	1	1	0	0	0	1	1	0	0	8	3	4	2	3	4	0	3	1	3	1
Marion	1	0	0	0	1	0	0	0	0	0	1	0	1	2	0	1	0	0	1	0	3	
Marshall	0	1	0	2	0	0	1	0	2	0	1	5	6	4	2	2	4	3	3	5	7	6
Mills	0	0	0	2	0	2	0	0	0	0	0	0	1	1	3	1	0	0	2	0	2	
Mitchell	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	

Table 1. Numbers of Murders and Forcible Rapes Reported in Iowa Counties, 1980-1990 (continued).

County	Murders											Forcible Rapes										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	1	1	
Monroe	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Montgomery	0	0	1	0	0	2	0	0	0	0	0	1	0	1	0	0	1	0	1	1	0	
Muscatine	0	0	1	1	2	2	0	0	2	1	4	3	4	3	3	5	1	2	2	1	1	
O'Brien	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	
Osceola	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	
Page	0	0	0	0	0	0	0	0	0	0	1	3	1	2	2	0	1	0	2	1	2	
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	1	1	0	1	
Plymouth	0	0	0	0	1	0	0	0	0	0	0	2	1	3	0	1	0	3	1	1	3	
Pocahontas	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	1	
Polk	18	15	14	14	20	11	18	9	18	12	18	122	95	82	79	102	103	92	101	105	120	
Pottawattamie	4	3	3	1	4	0	3	6	4	3	5	26	29	23	23	27	22	22	25	18	23	
Poweshiek	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	1	0	0	
Ringgold	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Sac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Scott	5	4	3	5	1	7	7	10	3	8	4	85	80	77	60	52	49	59	45	51	46	
Shelby	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	1	
Sioux	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	
Story	0	2	0	2	2	1	0	1	0	0	0	32	12	11	12	6	9	13	8	13	3	
Tama	1	0	0	0	1	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	2	
Taylor	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
Union	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	3	1	0	
Van Buren	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	
Wapello	0	0	1	1	1	0	0	0	1	4	1	1	2	5	2	3	5	1	0	1	0	
Warren	1	2	0	1	0	3	1	0	0	0	0	0	5	3	2	0	1	3	1	2	4	
Washington	0	0	1	1	0	0	0	0	0	0	0	3	1	1	0	0	1	0	0	0	0	
Wayne	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
Webster	1	0	2	0	0	1	1	2	2	4	0	5	6	3	3	0	5	10	6	4	3	
Winnebago	0	0	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	1	1	2	
Winneshiek	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	
Woodbury	2	5	1	4	3	0	3	4	5	2	1	39	49	57	21	27	37	18	15	25	37	
Worth	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	
Wright	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	2	0	1	
State of Iowa	53	52	47	59	51	55	58	68	66	75	69	509	459	446	324	356	363	373	365	365	390	

Table 2. Numbers of Robberies and Aggravated Assaults Reported in Iowa Counties, 1980-1990.

County	Robberies											Aggravated Assaults										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	1	0	0	0	3	1	0	1	2	0	0	1	0	0	0
Adams	0	0	0	0	0	0	1	0	0	0	1	1	2	0	0	1	1	1	1	3	7	1
Allamakee	0	0	0	1	0	0	0	0	1	2	0	3	2	1	2	1	2	2	2	7	8	2
Appanoose	0	2	0	1	0	0	0	2	1	2	1	31	22	15	27	29	19	39	19	18	46	61
Audubon	0	0	0	0	0	0	0	0	0	0	0	12	7	4	2	1	4	1	3	2	1	5
Benton	0	5	2	1	0	0	0	4	1	1	3	26	9	5	3	9	12	11	21	8	22	19
Black Hawk	96	88	129	71	68	81	121	100	83	110	110	280	243	222	301	314	212	161	175	210	199	176
Boone	1	1	0	0	1	1	3	3	1	0	2	26	9	20	8	3	3	10	6	5	12	7
Bremer	1	0	5	1	3	0	0	1	1	1	5	75	86	68	72	79	23	25	18	30	47	46
Buchanan	1	0	3	0	4	2	2	2	2	1	2	21	46	18	40	4	8	10	10	17	8	5
Buena Vista	1	0	1	1	0	1	0	1	0	1	1	9	12	26	9	11	24	26	14	2	6	8
Butler	0	2	1	0	0	1	0	0	0	0	1	3	4	2	6	2	5	4	0	1	2	2
Calhoun	1	1	0	0	0	1	0	0	1	0	0	5	5	1	2	0	1	1	0	6	0	1
Carroll	0	0	0	0	0	1	1	2	0	0	1	4	15	6	9	8	9	10	18	25	16	36
Cass	0	1	0	2	2	1	0	0	0	0	2	8	6	4	1	0	2	2	10	4	3	0
Cedar	0	2	1	0	4	4	0	0	0	1	1	9	6	30	23	16	13	0	2	0	1	4
Cerro Gordo	12	9	8	15	22	11	11	20	18	23	23	213	152	143	172	103	202	278	185	145	161	150
Cherokee	0	0	0	0	0	0	0	0	0	1	0	31	11	8	10	3	6	10	3	11	8	13
Chickasaw	0	0	0	0	0	1	0	0	0	0	0	3	5	4	6	8	2	6	2	2	3	6
Clarke	0	1	0	0	2	2	2	1	0	3	0	1	4	5	3	3	2	4	1	1	1	2
Clay	0	1	0	5	1	0	1	0	1	3	2	11	11	19	17	13	6	10	5	3	7	7
Clayton	0	0	0	0	0	1	1	1	1	0	0	21	17	18	11	8	3	5	6	6	21	7
Clinton	18	13	17	5	12	10	8	14	7	18	21	63	44	38	21	33	27	26	23	17	33	34
Crawford	0	0	0	1	1	0	0	2	1	0	0	15	10	12	5	6	5	3	3	3	8	1
Dallas	3	1	3	1	1	0	2	2	6	3	4	43	39	21	22	13	17	21	8	19	35	38
Davis	0	0	0	0	0	0	1	0	2	1	1	3	0	2	12	4	2	6	3	1	3	0
Decatur	0	1	1	0	0	0	0	0	0	0	0	15	12	10	3	1	0	0	2	4	0	8
Delaware	0	0	0	1	0	0	1	1	0	0	1	4	14	10	9	10	10	11	21	12	15	17
Des Moines	11	9	10	7	14	6	14	19	13	8	12	152	159	193	176	143	192	154	118	106	100	75
Dickinson	0	0	0	1	0	1	0	0	2	4	1	10	7	2	7	10	5	11	8	2	4	9
Dubuque	10	13	16	17	19	22	17	20	35	29	38	382	339	244	250	150	72	66	50	64	87	63
Emmet	0	0	0	0	0	0	0	0	1	1	0	2	2	6	0	1	2	4	3	2	0	0
Fayette	2	4	0	1	0	0	0	0	0	0	4	44	40	34	9	12	18	2	1	0	3	10

Table 2. Numbers of Robberies and Aggravated Assaults Reported in Iowa Counties, 1980-1990 (continued).

County	Robberies											Aggravated Assaults										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	0	2	0	0	1	0	1	0	0	1	50	50	44	48	24	17	19	17	9	19	13
Franklin	0	0	0	0	0	0	0	0	0	2	2	19	23	22	13	7	7	4	3	1	0	0
Fremont	2	1	0	0	0	0	0	1	0	1	0	18	11	8	14	3	0	1	2	3	3	3
Greene	0	0	0	0	0	1	0	0	0	1	1	2	0	1	2	1	0	0	1	0	3	3
Grundy	0	0	0	0	0	0	0	1	0	0	1	10	2	1	1	2	2	1	0	0	5	3
Guthrie	0	0	0	2	0	0	0	2	0	4	0	7	3	2	4	4	6	8	4	4	4	7
Hamilton	1	0	1	1	3	2	0	3	0	0	2	78	85	66	6	2	4	1	8	10	4	1
Hancock	0	0	1	0	1	0	0	1	0	0	0	5	4	5	4	2	0	3	1	4	5	1
Hardin	0	0	2	3	1	3	0	0	0	1	1	22	25	2	3	1	7	7	13	15	22	8
Harrison	1	0	0	0	0	0	0	0	3	2	0	5	5	3	0	2	0	3	7	6	9	2
Henry	0	0	0	0	1	0	1	0	3	1	1	107	67	31	27	13	2	0	2	8	6	15
Howard	0	0	0	0	0	0	0	0	0	0	0	0	4	5	8	6	4	2	7	3	6	1
Humboldt	1	1	0	0	0	0	1	0	0	1	0	3	1	5	1	2	2	15	2	4	1	4
Ida	0	0	0	0	0	0	0	1	0	0	0	10	6	3	8	0	1	2	4	1	3	2
Iowa	1	0	1	0	1	0	0	0	1	0	0	0	4	0	3	0	6	0	1	0	9	7
Jackson	2	0	0	2	2	0	2	2	0	5	4	7	21	24	11	8	4	16	3	2	6	2
Jasper	2	2	1	1	5	9	2	3	4	8	8	23	31	23	15	27	24	10	12	33	25	15
Jefferson	1	1	0	0	0	1	0	0	0	0	3	3	20	1	1	2	1	0	4	2	0	1
Johnson	22	15	30	25	26	17	18	21	15	26	34	396	324	358	298	226	201	194	178	241	239	200
Jones	0	0	0	0	1	1	0	0	1	0	0	7	12	9	4	5	8	3	3	0	0	3
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	1	1	1
Kossuth	0	0	0	0	0	0	0	0	1	1	0	5	12	2	2	1	3	3	5	6	4	4
Lee	6	5	6	3	5	8	6	5	4	14	9	42	39	107	45	18	14	31	23	45	36	26
Linn	78	107	89	106	115	65	90	87	96	151	123	303	293	241	233	288	205	206	199	190	279	289
Louisa	2	1	0	1	0	0	1	1	0	1	1	10	8	10	3	3	7	1	9	7	3	7
Lucas	1	0	0	0	0	0	0	0	0	0	1	29	3	1	3	1	3	4	11	5	16	24
Lyon	1	0	0	0	0	0	0	0	0	0	0	8	0	0	3	1	0	1	3	0	2	0
Madison	1	0	0	0	2	0	0	0	2	0	2	8	13	11	3	4	2	1	2	2	1	1
Mahaska	0	1	1	2	5	3	3	7	3	6	7	58	52	49	39	59	51	42	67	48	27	21
Marion	1	2	0	2	0	0	1	0	0	1	2	52	42	66	48	32	23	20	21	17	13	19
Marshall	12	5	7	6	1	6	10	11	8	25	11	150	187	136	132	107	84	78	84	89	92	75
Mills	0	0	1	1	2	0	1	2	2	3	0	14	19	15	16	16	11	11	16	19	19	15
Mitchell	0	0	0	1	0	0	0	0	0	0	1	4	4	4	3	6	10	3	2	1	0	0

Table 2. Numbers of Robberies and Aggravated Assaults Reported in Iowa Counties, 1980-1990 (continued).

County	Robberies											Aggravated Assaults										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	1	0	0	0	1	0	1	0	0	0	0	15	6	5	3	6	4	6	12	21	0	2
Monroe	0	0	2	3	0	2	0	0	0	1	0	23	22	12	16	5	12	14	7	3	5	0
Montgomery	1	2	0	0	1	1	1	0	2	1	0	11	7	4	7	10	1	4	1	1	2	1
Muscatine	4	10	6	2	9	2	9	5	0	9	11	131	25	25	6	20	14	16	8	22	12	14
O'Brien	0	3	0	2	2	0	0	0	1	0	1	15	21	7	16	4	11	8	3	3	7	4
Osceola	0	0	0	0	0	0	0	1	0	0	0	5	3	5	2	6	5	1	3	0	0	0
Page	1	1	0	0	4	0	1	2	1	1	3	4	6	3	3	2	7	3	11	13	6	17
Palo Alto	0	0	0	0	1	0	0	0	0	0	0	7	6	13	4	5	9	22	8	3	5	19
Plymouth	1	0	0	2	0	2	0	2	1	2	0	12	6	9	10	17	5	18	4	0	9	14
Pocahontas	3	0	1	0	0	0	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	3
Polk	371	407	426	396	494	533	458	450	386	531	552	1347	1235	1324	1062	1132	870	884	712	693	751	750
Pottawattamie	79	70	72	78	109	65	41	69	84	99	105	317	324	230	219	287	281	211	231	266	304	259
Poweshiek	0	1	0	0	0	0	1	1	1	0	3	11	9	3	20	4	3	2	9	7	6	4
Ringgold	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	0	2	0	0	0	0	0	0	0	2	0	0	1	1	2	4	8	1	1	2	1	1
Scott	201	176	141	134	141	211	166	211	241	319	364	838	747	743	683	926	849	691	659	507	546	576
Shelby	0	0	1	0	1	0	0	1	0	1	3	17	3	12	4	2	6	8	16	14	22	4
Sioux	3	0	0	0	0	0	0	2	0	1	1	14	10	8	10	7	3	6	2	5	1	1
Story	18	12	8	6	13	6	14	8	11	13	4	91	86	96	89	170	196	162	161	152	143	125
Tama	0	1	0	1	1	4	1	3	0	0	0	70	55	22	5	4	15	4	3	11	10	18
Taylor	0	0	0	0	0	0	0	0	0	0	1	9	0	12	4	1	3	1	0	2	0	1
Union	4	1	2	0	0	1	0	4	1	4	1	12	5	9	6	6	6	4	5	5	2	4
Van Buren	0	0	0	0	0	0	0	0	1	0	1	10	11	6	1	7	7	12	8	2	1	2
Wapello	14	11	11	13	10	9	12	12	4	17	10	69	93	39	35	12	10	11	6	16	9	7
Warren	0	2	2	2	5	4	6	2	3	3	9	51	41	32	34	25	39	32	25	32	23	29
Washington	1	0	1	0	0	2	1	0	3	0	4	18	23	25	27	27	30	32	9	24	29	18
Wayne	0	1	0	0	0	0	0	0	0	0	2	1	3	0	1	3	0	0	0	0	1	1
Webster	19	19	9	17	10	19	17	28	9	15	14	113	92	124	152	151	162	162	67	44	15	5
Winnebago	0	0	0	0	1	0	0	0	1	1	1	14	10	9	16	10	10	7	8	10	6	15
Winneshiek	0	0	1	0	0	0	0	0	0	1	0	9	13	5	19	17	13	11	17	12	7	19
Woodbury	75	94	108	82	68	62	61	45	37	69	60	371	351	402	396	321	268	250	178	149	214	223
Worth	0	1	1	0	0	0	1	0	0	0	2	0	0	3	4	0	2	7	3	1	2	4
Wright	0	0	1	0	0	0	0	0	0	0	1	31	13	17	30	33	32	13	3	6	14	10
State of Iowa	1088	1109	1132	1026	1197	1187	1114	1192	1108	1557	1605	6620	5939	5653	5126	5099	4501	4214	3637	3539	3879	3736

Table 3. Numbers of Burglaries and Larcenies Reported in Iowa Counties, 1980-1990.

County	Burglaries											Larcenies										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	22	21	30	26	28	36	44	6	22	49	38	83	64	57	87	85	65	60	65	74	81	67
Adams	11	18	22	25	23	29	23	15	19	31	33	48	73	58	47	57	70	69	79	83	98	126
Allamakee	21	15	22	41	56	51	58	36	41	51	90	138	158	160	169	146	153	113	137	195	184	266
Appanoose	132	130	95	125	127	149	124	135	133	167	211	357	291	305	321	304	380	329	375	348	434	466
Audubon	24	26	24	45	22	17	26	31	33	55	57	75	80	75	75	57	83	91	65	95	134	140
Benton	102	126	131	104	80	133	161	124	174	151	167	226	223	297	229	224	193	225	311	275	336	335
Black Hawk	1774	1820	1747	1665	1404	1360	1590	1961	1944	2088	2497	3932	4764	4443	3791	4209	4130	4534	4789	5428	6101	6340
Boone	115	127	120	91	169	136	147	96	134	178	196	447	506	501	436	459	484	483	509	539	606	747
Bremer	76	93	76	76	93	77	91	113	80	121	130	233	237	244	316	307	295	302	381	389	414	482
Buchanan	160	176	237	211	258	191	209	150	209	221	217	325	284	331	397	326	364	317	320	356	369	404
Buena Vista	74	60	64	93	74	54	88	80	113	98	115	422	352	343	367	343	392	418	367	463	715	784
Butler	49	39	40	53	62	66	54	48	54	70	116	114	97	84	94	62	101	102	109	122	102	138
Calhoun	33	62	37	78	82	80	43	24	61	93	90	79	97	102	118	100	119	143	142	222	187	200
Carroll	71	57	50	42	58	64	69	91	67	92	114	286	236	349	314	294	319	300	270	256	307	439
Cass	64	56	65	72	48	56	70	59	61	66	107	199	197	252	294	239	221	256	235	199	265	266
Cedar	40	53	51	41	46	80	5	53	91	91	146	213	216	155	129	159	149	21	139	118	188	217
Cerro Gordo	472	433	476	529	467	589	583	575	714	686	757	2280	1913	2123	2157	2180	2294	2139	2200	1975	2333	2547
Cherokee	44	38	44	58	62	52	49	46	53	81	64	234	233	200	202	178	179	208	129	176	254	284
Chickasaw	50	30	24	32	32	33	70	30	46	37	67	159	141	146	135	162	103	133	159	155	146	183
Clarke	68	68	55	51	67	64	42	44	67	52	47	148	139	144	158	145	129	179	177	162	120	129
Clay	63	82	117	123	148	104	118	118	104	173	151	563	511	517	428	566	544	519	524	456	552	591
Clayton	29	46	55	65	50	27	24	27	39	68	88	155	190	200	151	119	115	113	106	130	206	180
Clinton	400	504	457	643	470	349	461	573	490	499	534	1660	1976	1987	1998	1765	1696	1997	2227	2172	2297	2411
Crawford	28	54	77	109	64	72	61	114	88	124	86	320	336	417	448	343	299	252	277	257	321	262
Dallas	151	148	125	232	223	212	230	214	197	289	266	512	480	409	511	611	533	559	564	550	588	557
Davis	48	48	48	56	64	47	63	29	36	74	83	72	73	73	84	63	78	79	56	46	86	89
Decatur	34	44	54	53	62	49	60	33	33	33	46	102	116	100	58	74	84	61	43	68	46	54
Delaware	37	73	99	72	52	52	32	59	49	39	42	247	188	205	199	180	149	161	206	137	201	249
Des Moines	450	455	479	529	553	418	441	504	458	403	384	1396	1500	1555	1758	1437	1381	1673	1659	1690	1947	1851
Dickinson	61	50	77	97	85	98	70	77	72	140	126	245	371	347	312	389	394	322	280	385	345	408
Dubuque	479	537	453	632	763	860	962	903	1096	1108	1130	2225	2311	2173	2422	2439	2549	2731	2800	3064	3506	3527
Emmet	47	68	73	71	98	49	71	97	77	67	38	221	244	206	233	199	264	231	233	353	296	251
Fayette	160	144	123	172	218	166	96	72	87	98	164	206	207	283	271	263	305	304	319	448	445	470

Table 3. Numbers of Burglaries and Larcenies Reported in Iowa Counties, 1980-1990 (continued).

County	Burglaries											Larcenies										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	52	32	39	38	21	29	41	64	62	65	73	204	193	199	195	226	244	249	314	498	463	340
Franklin	55	53	44	62	35	43	47	50	40	41	45	246	209	175	219	186	202	174	178	145	179	168
Fremont	87	108	97	69	42	24	31	52	40	70	43	159	160	121	119	123	98	96	89	122	144	150
Greene	47	44	33	26	35	40	43	52	67	128	106	141	138	122	124	115	116	117	127	163	226	271
Grundy	19	41	31	36	43	49	40	43	49	61	52	80	85	90	97	75	115	76	132	79	134	63
Guthrie	33	74	34	46	37	25	40	33	42	59	34	119	115	93	70	91	99	106	118	114	113	111
Hamilton	64	83	51	82	69	103	71	110	118	131	172	320	302	296	351	326	306	313	336	412	456	432
Hancock	27	26	40	33	25	51	25	22	40	51	73	194	200	161	187	121	120	132	113	133	139	164
Hardin	77	68	57	74	89	74	79	88	110	136	160	395	357	301	320	350	350	418	377	392	504	511
Harrison	28	46	37	53	68	21	43	52	84	101	100	174	146	171	154	190	203	168	168	215	245	223
Henry	63	40	57	37	36	66	58	35	67	82	124	334	301	276	236	240	261	233	193	224	218	207
Howard	26	28	15	12	24	27	33	17	17	23	26	120	80	126	126	98	59	96	110	112	145	152
Humboldt	17	25	34	10	21	37	46	25	18	68	58	85	95	135	121	122	90	152	154	151	179	188
Ida	18	18	22	50	19	24	12	12	20	28	34	144	139	167	126	88	70	75	79	102	137	102
Iowa	27	26	15	26	30	24	18	14	21	65	66	97	82	63	84	80	81	94	105	164	180	201
Jackson	83	107	65	75	100	81	87	114	125	124	166	326	367	327	348	281	214	275	304	364	373	454
Jasper	221	191	303	298	266	305	231	210	254	345	384	773	596	667	821	704	740	681	771	894	1003	1116
Jefferson	53	90	81	79	49	77	85	78	79	94	99	360	380	352	377	317	409	422	442	460	415	338
Johnson	777	988	937	780	947	773	769	723	940	1037	922	3242	3489	3580	3398	3445	3399	2924	3297	3477	3545	3689
Jones	82	90	91	86	101	93	56	78	63	60	62	155	160	172	140	170	137	163	197	211	249	303
Keokuk	38	66	30	23	42	49	65	58	57	74	57	111	136	113	130	102	97	119	105	116	124	128
Kossuth	45	54	50	55	46	98	35	33	42	93	108	251	192	195	214	291	259	263	233	281	300	396
Lee	267	354	361	266	309	284	298	281	347	441	531	1068	1201	1088	862	864	1002	892	1090	1216	1462	1524
Linn	1721	1580	1772	2147	2218	2237	2005	2338	2056	2385	2535	6448	6892	6716	7820	7173	6616	6129	6674	6538	7719	7923
Louisa	99	151	135	111	100	101	93	137	158	153	144	219	240	229	191	211	195	200	228	220	286	251
Lucas	126	61	68	75	64	89	86	67	85	80	97	190	203	163	190	174	221	228	225	235	288	201
Lyon	33	23	14	15	21	23	25	27	17	24	37	58	54	55	68	60	52	48	47	34	59	50
Madison	95	66	78	95	118	98	83	64	79	74	68	151	163	173	158	197	199	110	110	107	140	144
Mahaska	142	133	135	138	137	169	166	207	281	311	326	345	421	494	533	457	499	460	561	547	704	720
Marion	105	94	141	136	126	125	147	142	160	175	183	465	404	439	473	513	422	425	407	361	531	546
Marshall	355	428	366	416	371	290	371	403	507	518	558	1128	1040	949	882	888	847	821	886	1002	1159	1301
Mills	72	113	74	80	67	55	67	88	93	99	114	227	223	204	217	216	221	231	240	290	258	345
Mitchell	27	24	34	44	33	34	9	12	22	21	25	98	115	107	112	116	100	107	102	120	124	131

Table 3. Numbers of Burglaries and Larcenies Reported in Iowa Counties, 1980-1990 (continued).

County	Burglaries											Larcenies										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	81	115	108	136	84	60	97	76	82	84	99	139	101	150	118	134	145	159	172	153	186	192
Monroe	32	61	53	83	64	53	72	90	71	95	153	124	171	153	114	103	138	149	159	176	224	193
Montgomery	64	99	114	138	88	92	52	60	54	79	75	405	404	411	390	320	284	262	200	250	281	345
Muscatine	210	159	234	198	182	220	285	331	335	402	369	724	947	979	869	866	1167	1152	1071	1467	1661	1559
O'Brien	61	60	55	82	70	97	115	90	86	85	78	242	220	208	223	210	181	174	178	205	248	289
Osceola	11	22	34	21	16	18	13	11	12	9	5	49	50	57	62	48	47	73	104	94	43	58
Page	97	117	64	124	87	114	120	69	66	83	82	406	316	356	323	302	363	348	349	359	474	492
Palo Alto	68	90	75	73	53	65	68	89	104	152	145	206	210	169	167	167	142	143	145	132	150	178
Plymouth	51	83	73	56	83	103	102	61	80	97	81	265	189	314	332	309	282	293	225	268	335	327
Pocahontas	10	29	34	31	33	21	28	31	32	58	31	44	78	57	59	58	63	68	79	94	128	147
Polk	3770	3675	4335	5133	6420	5917	4914	5004	5092	5239	5190	17457	17378	18242	18428	19315	17604	15859	16009	17785	18316	17740
Pottawattamie	1281	1390	1303	1276	1216	1121	1103	1155	1313	1812	1625	3317	3501	3178	3157	2820	2776	2585	2826	2928	3903	3753
Poweshiek	64	66	41	65	73	86	77	74	94	135	161	140	162	193	239	236	180	246	239	243	295	290
Ringgold	38	39	56	42	49	91	84	107	92	96	87	4	3	0	0	0	3	3	6	1	3	
Sac	22	35	26	29	31	33	22	33	27	62	62	95	66	76	60	75	97	85	98	92	78	160
Scott	2124	2343	2047	1946	2215	2118	2227	2733	2506	2929	3100	6855	6697	5726	5176	5703	5129	5389	5711	5481	6235	6205
Shelby	79	36	37	51	42	24	59	34	48	65	81	197	167	172	155	182	146	195	160	163	218	200
Sioux	24	32	27	45	43	54	49	49	41	74	41	191	180	184	202	192	208	162	179	222	203	231
Story	432	494	509	536	760	656	473	771	825	733	698	2043	1981	2141	2368	2750	2328	2505	2418	2372	2898	2610
Tama	72	55	63	57	61	66	57	58	130	135	166	175	195	217	258	205	233	153	221	235	228	277
Taylor	26	42	43	49	61	64	33	45	42	26	20	69	51	69	78	94	102	88	75	75	112	133
Union	69	62	101	96	68	88	97	90	109	209	135	253	163	306	351	293	303	285	248	295	285	292
Van Buren	43	35	0	0	0	1	29	76	94	114	61	77	65	121	124	105	144	178	88	90	101	96
Wapello	512	718	724	422	383	455	597	590	523	603	502	1081	1092	1118	881	776	852	922	1109	1009	993	992
Warren	234	210	281	333	348	275	224	218	283	279	261	629	606	610	646	588	545	709	601	725	754	720
Washington	65	100	115	130	62	97	90	102	87	89	109	112	138	286	258	251	283	199	233	231	264	269
Wayne	74	65	15	47	42	19	28	54	88	85	75	71	102	75	58	97	106	111	106	117	100	68
Webster	585	528	454	718	612	650	709	370	430	489	357	1407	1520	1483	1778	1659	1694	1581	1382	1387	1765	1372
Winnebago	12	21	25	34	40	24	24	32	29	53	51	143	117	172	158	112	113	151	144	114	155	232
Winneshiek	66	37	67	69	71	71	62	78	110	92	85	297	252	254	299	312	265	355	306	304	360	404
Woodbury	1510	2028	1972	1994	1980	2021	1748	1634	1385	1402	1211	4075	4755	4397	4637	4227	3978	3378	3627	4181	5224	4912
Worth	77	71	85	51	61	77	46	88	97	90	68	66	61	88	95	110	96	91	108	118	139	130
Wright	41	74	53	66	40	60	50	27	49	66	99	140	128	138	173	151	184	206	73	116	188	249
State of Iowa	22275	24017	24211	26016	27255	26349	25294	26596	27518	30831	31342	77847	79748	79460	80408	79864	76835	74678	77410	82372	92956	93421

Table 4. Reported Motor Vehicle Thefts and Serious Crime Rates in Iowa Counties, 1980-1990.

County	Motor Vehicle Thefts											Serious Crime Rates (per 1,000 Residents)										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	5	7	4	5	4	4	2	2	1	1	3	13.6	11.1	10.8	13.8	13.7	11.7	11.4	8.1	10.4	13.8	11.4
Adams	1	5	4	3	2	3	4	4	3	3	2	12.5	20.3	15.8	13.9	15.5	18.7	17.7	17.7	19.3	24.6	28.4
Allamakee	14	21	13	12	6	10	6	8	4	25	15	12.8	14.1	13.2	15.2	13.9	14.2	11.6	11.9	16.6	17.9	24.8
Appanoose	15	12	19	24	14	13	10	30	16	15	22	39.0	33.3	30.4	34.9	33.2	38.4	34.0	37.5	33.9	43.1	49.1
Audubon	7	3	5	3	4	2	3	0	5	10	7	16.1	15.8	14.2	16.2	10.6	12.9	14.4	11.9	16.1	23.5	24.4
Benton	13	12	14	16	10	21	23	35	31	36	34	16.4	16.8	19.8	15.8	14.4	15.7	18.5	21.4	21.2	23.5	23.6
Black Hawk	221	204	164	135	174	147	192	198	286	289	351	51.2	57.8	54.2	47.9	48.8	45.3	49.0	53.1	58.1	63.9	68.9
Boone	18	22	18	12	25	28	22	25	26	23	62	24.2	26.4	26.0	21.7	26.0	25.3	25.7	24.6	27.1	31.2	38.9
Bremer	11	9	3	9	12	18	14	14	24	35	35	17.4	18.6	17.0	20.3	20.8	17.0	17.5	21.2	21.0	24.9	28.2
Buchanan	44	16	25	26	19	20	25	18	25	33	39	26.4	25.0	28.3	31.3	28.1	26.0	24.6	21.6	26.3	27.3	29.1
Buena Vista	13	22	11	14	17	20	22	18	12	26	21	26.1	22.4	22.1	24.0	21.8	23.7	26.5	23.1	28.4	40.5	44.8
Butler	5	2	10	6	3	6	15	17	9	8	5	10.9	9.2	8.4	9.8	7.8	10.5	10.1	10.2	10.6	10.4	14.9
Calhoun	9	6	8	3	2	3	6	5	2	7	13	11.0	14.9	12.2	16.6	15.1	16.3	14.8	13.0	21.8	21.3	22.4
Carroll	19	15	21	4	10	5	10	12	16	21	21	17.8	15.1	19.2	16.6	16.4	17.5	17.0	17.2	16.1	19.0	26.7
Cass	14	13	11	16	14	12	14	11	6	20	14	18.9	18.0	21.6	24.7	18.9	17.7	20.1	18.7	15.9	20.8	23.0
Cedar	15	9	8	15	14	19	2	18	10	21	30	15.9	16.6	13.6	11.5	13.1	14.1	1.5	11.3	11.7	16.1	21.4
Cerro Gordo	103	77	117	92	102	101	154	140	142	158	169	66.0	55.4	59.8	61.8	59.2	65.2	65.4	64.7	62.0	69.8	75.4
Cherokee	10	14	10	14	8	4	9	6	6	20	36	23.2	21.2	17.9	19.2	16.6	15.4	17.5	11.5	15.4	22.5	24.6
Chickasaw	5	3	6	11	6	8	14	7	6	5	15	16.3	13.5	12.6	12.8	14.1	9.7	14.5	12.8	13.5	12.3	17.6
Clarke	8	7	15	3	6	3	10	7	13	14	12	27.3	26.5	25.1	24.7	25.9	23.3	26.9	26.1	27.4	21.8	22.1
Clay	23	9	17	2	8	15	10	21	20	33	22	37.7	34.9	38.1	32.7	40.7	35.8	34.1	34.4	30.3	39.4	39.5
Clayton	7	4	14	5	9	3	4	9	9	16	18	11.1	13.5	14.3	11.5	9.1	7.1	6.9	7.1	8.9	14.7	13.9
Clinton	94	76	123	92	98	79	138	120	134	222	222	43.8	51.3	49.7	52.4	44.7	39.7	47.5	53.0	49.9	54.1	56.6
Crawford	15	21	21	12	14	12	9	17	12	26	17	22.5	25.2	28.6	31.3	23.2	20.5	17.0	21.4	18.9	25.1	19.3
Dallas	12	15	17	43	36	28	42	42	34	32	34	24.3	23.0	19.0	27.1	29.8	26.5	28.7	27.9	27.4	32.2	30.5
Davis	3	3	6	4	11	1	3	4	8	7	25	15.3	14.9	14.8	17.7	16.1	14.2	16.8	10.2	10.3	18.7	21.7
Decatur	9	17	9	9	10	2	6	9	2	5	8	19.3	22.8	20.2	14.4	16.5	14.8	13.7	9.4	11.0	8.6	12.0
Delaware	15	10	7	7	9	10	5	7	7	27	11	16.8	15.8	17.3	15.4	13.4	11.6	11.1	15.4	10.8	14.9	17.0
Des Moines	91	79	105	66	61	83	93	96	121	115	105	49.3	51.9	53.0	57.7	50.0	46.5	52.8	53.2	52.2	55.5	52.7
Dickinson	12	15	23	18	21	21	13	9	20	28	16	22.2	29.8	29.3	28.9	33.3	33.7	26.8	24.1	31.1	33.5	35.8
Dubuque	170	107	135	139	150	209	211	192	176	315	357	38.1	38.4	33.3	38.2	38.8	40.4	43.4	43.0	47.6	53.8	54.7
Emmet	9	19	14	7	4	0	5	6	15	9	7	24.1	28.8	25.8	26.8	25.6	25.4	24.5	26.5	34.2	28.0	22.2
Fayette	45	31	19	11	13	9	24	23	13	9	37	21.1	19.6	20.3	20.4	21.7	20.6	17.1	16.6	21.7	21.9	26.9

*1989 rates were calculated with 1990 population counts; 1989 population estimates were not available.

Table 4. Reported Motor Vehicle Thefts and Serious Crime Rates in Iowa Counties, 1980-1990 (continued).

County	Motor Vehicle Thefts											Serious Crime Rates (per 1,000 Residents)										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	17	3	6	12	9	8	16	10	11	15	34	18.9	16.3	16.0	16.1	15.2	15.7	16.9	21.1	30.1	28.9	23.6
Franklin	11	17	7	5	14	3	8	12	8	9	7	29.1	26.6	21.0	24.9	19.7	20.4	18.4	19.0	15.0	17.9	17.1
Fremont	7	12	12	12	6	5	4	11	14	17	12	33.2	35.6	27.0	24.2	19.6	14.1	14.5	17.2	19.6	25.4	22.3
Greene	11	6	10	13	8	4	6	10	14	19	23	20.0	18.7	15.5	15.1	14.3	14.0	14.2	16.1	20.6	30.9	33.3
Grundy	8	5	3	5	11	12	6	5	9	8	14	9.7	11.1	9.8	10.9	10.0	13.2	9.0	12.9	9.7	14.6	9.3
Guthrie	5	3	5	6	11	4	3	8	3	4	10	15.1	17.9	12.2	11.6	12.7	11.7	13.5	14.3	14.0	15.6	13.5
Hamilton	18	25	19	22	33	24	26	24	30	54	63	30.0	31.0	25.7	27.4	25.2	25.6	23.7	27.4	32.4	36.1	37.5
Hancock	7	12	11	6	2	13	6	4	4	10	13	18.5	19.2	16.4	17.4	11.4	13.5	12.0	10.4	13.4	15.2	18.2
Hardin	24	13	17	28	36	16	21	25	27	25	45	27.1	24.4	19.2	21.3	23.0	21.2	24.2	23.3	25.2	31.8	33.4
Harrison	12	4	8	10	20	6	8	9	20	32	33	14.9	13.6	13.8	13.7	17.7	14.4	13.8	14.7	20.2	23.9	21.9
Henry	14	16	12	13	16	15	14	25	13	17	20	26.9	22.1	20.0	16.6	16.3	18.6	16.5	14.0	16.9	17.4	19.5
Howard	2	4	6	5	3	4	4	4	5	9	18	15.1	11.8	14.5	14.2	12.2	8.6	12.2	12.5	12.3	16.5	17.7
Humboldt	5	11	12	7	3	4	13	10	9	19	31	10.3	12.4	16.5	12.3	12.8	11.2	18.8	15.8	15.1	22.0	23.1
Ida	5	0	5	2	0	6	4	9	6	4	0	21.3	19.6	23.0	21.6	12.2	11.5	10.4	11.8	14.7	19.3	15.5
Iowa	3	6	2	9	6	10	7	4	8	19	11	8.7	8.1	5.5	8.3	7.8	8.0	7.8	8.2	12.8	17.8	18.6
Jackson	8	9	15	16	17	10	12	14	28	26	26	21.4	25.3	19.9	20.8	18.6	13.9	17.5	19.4	23.2	23.8	29.0
Jasper	51	44	29	33	33	36	49	51	54	86	65	30.8	24.9	28.4	32.5	29.0	31.1	27.1	29.3	34.3	40.4	43.7
Jefferson	19	32	24	24	10	9	18	13	15	11	13	26.7	32.2	27.4	29.2	22.9	30.1	31.8	32.9	33.9	32.3	27.8
Johnson	165	136	184	155	143	190	145	131	172	221	211	48.3	52.1	59.3	54.8	56.6	53.9	47.9	52.0	58.3	61.4	62.1
Jones	15	21	15	9	20	14	11	13	9	17	23	13.4	14.6	14.5	12.1	14.9	12.5	11.4	14.4	14.0	16.0	19.2
Keokuk	4	4	6	1	8	9	9	8	2	6	7	13.2	17.7	12.4	12.9	12.5	12.6	15.4	13.6	13.9	16.0	15.0
Kossuth	10	7	5	10	6	10	6	10	15	20	28	16.8	14.3	12.8	14.5	17.0	17.6	14.4	13.1	16.1	19.3	24.5
Lee	61	58	60	48	49	56	63	65	80	74	141	37.5	42.9	40.3	30.2	30.3	33.1	30.7	34.6	39.9	47.4	51.8
Linn	377	410	410	415	436	360	378	371	379	458	551	53.0	55.1	53.9	63.4	60.9	56.3	52.3	57.7	55.1	65.0	67.4
Louisa	17	17	19	11	20	8	10	13	11	18	15	29.9	36.0	32.8	26.6	28.1	25.9	25.3	32.1	32.8	37.8	34.7
Lucas	12	7	8	16	15	17	31	31	22	33	33	39.5	30.5	25.3	29.6	26.2	33.2	34.3	32.9	33.6	40.8	34.6
Lyon	1	1	0	3	2	3	2	3	4	3	4	8.5	6.5	5.7	7.3	6.8	6.2	6.0	6.2	4.3	6.9	7.2
Madison	11	8	10	8	15	14	18	5	6	13	7	21.4	20.1	21.6	21.2	27.1	25.5	17.1	14.6	15.7	18.1	17.7
Mahaska	16	20	22	9	18	23	20	33	50	45	42	26.5	29.3	31.5	32.6	30.4	33.4	30.6	39.2	41.4	48.3	48.8
Marion	18	18	11	24	23	29	24	20	28	40	36	21.4	18.7	21.8	22.9	23.4	20.2	20.6	19.7	18.9	25.5	26.6
Marshall	58	59	39	34	45	39	44	52	55	62	92	44.6	45.1	38.1	37.3	35.1	31.0	31.9	34.3	39.6	44.4	49.1
Mills	5	22	15	20	16	12	9	19	15	16	15	24.1	28.6	23.1	25.7	24.1	22.3	23.6	27.4	31.3	29.3	36.6
Mitchell	11	4	11	6	6	5	3	5	5	4	10	12.9	13.5	13.7	14.4	13.9	12.7	10.3	10.1	12.2	12.2	13.5

Table 4. Reported Motor Vehicle Thefts and Serious Crime Rates in Iowa Counties, 1980-1990 (continued).

County	Motor Vehicle Thefts											Serious Crime Rates (per 1,000 Residents)										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	18	11	15	10	9	13	14	13	13	20	19	25.3	23.3	26.7	25.4	22.1	20.4	24.6	23.7	23.8	25.1	26.8
Monroe	8	3	4	1	1	3	9	6	7	16	22	23.0	31.7	26.7	25.8	20.4	23.9	27.8	29.1	28.7	37.5	40.0
Montgomery	11	23	22	30	17	15	13	14	6	17	43	40.8	44.3	45.3	46.4	34.9	30.4	25.0	20.8	23.8	28.4	34.6
Muscatine	38	62	68	69	54	47	72	60	82	89	93	27.8	30.2	32.0	28.1	27.6	35.1	36.8	35.4	45.7	52.8	50.7
O'Brien	10	9	18	10	11	10	7	18	17	13	13	21.3	20.3	18.5	21.3	18.7	18.3	18.1	17.0	18.5	20.8	22.9
Osceola	3	2	3	2	0	3	1	0	1	1	0	9.5	10.6	13.2	11.3	9.0	9.0	10.6	14.3	13.0	6.4	7.5
Page	30	23	10	21	16	28	9	17	16	19	19	32.1	27.5	25.4	27.5	23.4	28.3	26.0	24.3	24.4	31.0	32.2
Palo Alto	4	11	5	2	5	9	5	13	14	6	14	26.7	29.7	23.7	22.0	20.1	18.8	19.3	20.3	20.2	24.6	28.1
Plymouth	7	16	17	11	14	22	25	21	22	35	31	14.5	12.6	17.3	17.1	17.7	17.3	18.1	12.8	15.1	19.2	18.4
Pocahontas	7	5	4	2	7	8	4	2	4	5	1	6.7	12.0	9.5	8.8	9.3	8.3	9.0	10.0	11.9	17.1	16.1
Polk	1066	916	1049	1013	1063	1061	1057	989	993	1161	1470	73.8	72.5	78.4	81.9	90.7	83.1	74.7	75.2	81.7	85.4	85.2
Pottawattamie	381	388	354	299	336	324	283	254	282	389	392	65.4	69.0	58.7	57.7	54.9	52.1	48.1	52.1	56.1	75.1	71.3
Poweshiek	7	8	2	5	15	9	11	23	23	36	17	11.7	12.9	12.7	17.6	17.5	14.7	17.9	18.1	19.3	24.5	24.7
Ringgold	0	0	0	0	0	1	5	5	4	4	3	7.7	7.7	10.4	7.8	9.1	15.9	15.5	19.3	16.7	16.6	15.4
Sac	2	6	4	1	1	1	0	3	3	2	6	9.7	8.9	8.5	7.2	8.6	10.5	8.1	9.9	9.0	10.4	16.2
Scott	407	342	243	219	273	211	218	271	290	408	467	69.6	68.8	57.8	52.9	59.5	54.0	54.8	60.2	56.3	65.2	67.3
Shelby	12	9	12	6	12	7	8	10	13	27	16	23.1	16.3	16.7	15.2	16.6	12.4	17.8	14.8	15.9	22.3	20.3
Sioux	15	12	10	14	10	10	11	9	11	22	16	8.3	7.8	7.6	9.0	8.3	8.9	7.4	7.8	9.2	9.8	9.4
Story	87	77	91	91	138	106	99	92	168	151	173	36.4	35.9	39.7	43.5	53.1	45.2	44.7	47.6	49.2	54.6	50.0
Tama	18	17	11	13	7	9	3	14	17	16	39	19.3	18.5	17.0	18.1	14.8	17.0	11.2	15.5	20.3	20.5	25.9
Taylor	0	9	7	4	7	12	1	6	4	2	6	14.6	14.3	17.6	17.8	21.2	22.6	15.1	15.2	16.6	16.7	19.4
Union	14	14	17	24	12	26	22	25	22	19	19	27.7	19.2	33.7	36.7	28.9	32.0	30.0	27.0	31.5	37.4	32.5
Van Buren	4	6	1	4	8	4	8	11	4	1	3	17.7	15.2	15.6	15.9	14.6	18.6	26.7	21.3	22.2	24.9	18.9
Wapello	65	68	80	65	69	68	89	94	89	108	89	48.8	55.6	54.0	38.2	33.1	36.0	41.4	45.8	41.5	43.2	39.8
Warren	42	35	38	44	41	57	49	40	46	41	57	26.6	25.0	26.3	29.2	28.0	25.9	28.8	25.1	31.1	31.4	31.0
Washington	17	19	25	12	18	11	14	34	20	41	18	11.0	14.3	22.6	21.5	17.9	21.0	16.7	18.8	18.1	20.8	20.8
Wayne	8	5	3	1	3	5	2	5	6	6	3	21.9	25.0	13.1	14.8	19.7	17.2	18.1	20.9	26.4	23.7	18.2
Webster	90	135	105	119	123	149	172	133	120	194	195	55.0	57.0	52.3	66.5	60.4	61.6	59.9	44.7	44.3	54.5	42.3
Winnebago	9	5	4	4	9	7	10	6	6	11	12	14.7	12.7	17.1	17.1	13.5	12.0	14.9	14.8	12.7	17.9	24.1
Winneshiek	19	11	14	25	23	28	22	17	26	22	25	18.8	15.1	15.6	18.9	19.4	17.0	20.2	18.8	20.5	21.8	24.4
Woodbury	219	340	333	312	246	247	217	211	262	488	418	64.0	77.6	73.8	76.4	70.1	66.4	56.6	57.0	60.0	73.2	68.0
Worth	2	5	5	4	8	8	6	8	3	9	13	18.3	17.3	21.2	18.1	20.5	20.4	16.6	23.0	24.3	26.4	23.9
Wright	7	5	8	3	2	7	12	5	8	18	28	15.4	15.4	14.8	18.4	15.0	18.0	17.6	6.8	11.4	17.8	23.8
State of Iowa	4690	4496	4596	4275	4514	4423	4596	4586	4947	6425	7178	40.7	41.7	40.8	41.5	41.7	39.5	38.0	39.2	41.2	46.6	47.3

Rates of Serious Crimes

Serious crimes were reported most often in Iowa's more populous counties. To control for the effects of population, the numbers of crimes in these seven most serious categories were added together in each county for each year. The result was divided by the number of persons in the county; this number was multiplied by 1,000 so that the rates were standardized across the counties. This crime index indicates the total number of serious crimes for every 1,000 residents in the 99 counties and the state. Two cautions must be noted. First, the U.S. Bureau of the Census did not provide a population estimate for 1989 because of the proximity of the 1990 census; the 1990 population count was used to calculate the 1989 crime rates. Second, crime rates can change if either the population or the number of crimes change; for example, a rate can drop either because the population increased or the number of crimes decreased. And a rate may increase because the population declined or more crimes were reported.

Rates of serious crimes were highest for Iowa in 1980 and 1981, when about 47 crimes were reported for every 1,000 residents (Table 4). The rates were about five points lower in the years after 1981. These crime rates varied relatively little between 1982 and 1990, with about 40 serious crimes reported for every 1,000 Iowans during this period (Figure 3).

In 1980, four counties (Grundy, Lyon, Osceola, Sioux) had serious crime rates under 10 per 1,000 residents; in contrast, 14 counties had rates of 50 or higher. Polk's 85.2 serious crimes for every 1,000 residents was the highest in the state, followed by rates of 75.4 in Cerro Gordo and 71.3 in Pottawattamie. Five other counties had rates in the 60s (Black Hawk, Johnson, Linn, Scott, Woodbury) and six were in the 50s (Clinton, Des Moines, Dubuque, Lee, Muscatine, Story). In 1990, eight counties (Grundy, Iowa, Lyon, Osceola, Pocahontas, Ringgold, Sac, Sioux) had crime rates below 10 while eight were above 50 (Figure 4). Polk (73.8) was the highest, although Cerro Gordo (66.0), Pottawattamie (65.4), Scott (69.6), and Woodbury (64.0) had crime rates above 60 in 1990. Those with from 50 to 59 serious crimes per 1,000 population in 1990 included Black Hawk, Linn, and Webster. Thus, counties with higher populations tended to have both greater numbers and rates of serious crimes in 1980 and in 1990.

A total of 77 counties had lower crime rates in 1990 than in 1980. Declines of at least 10 points in the serious crime index occurred in 24 counties, with the drops in Mahaska (-22.3) and Muscatine (-22.9) at least 20 points. Five counties (Adams, Black Hawk, Buena Vista, Dubuque, Monroe) had 1990 rates 15-19 points below those in 1980.

Twenty-two counties reported higher serious crime rates at the end of the period than at the beginning. Increases were less than five points in 13 of these counties. The crime rates were at least 10 points higher in 1990 than in 1980 in Franklin, Fremont, and Webster. Caution is urged in comparing 1980 and 1990 for either increases or decreases; it is preferable to include the intervening years to determine trends.

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. These data depend on residents reporting crimes to law enforcement agencies. The record of agencies in turn submitting information to the state is excellent, but variations in reporting practices among county residents and local agencies suggest that caution be taken in drawing conclusions from these data. Four violent crimes are included in this report: murder (the willful, non-negligent killing of one human being by another), forcible rape (the carnal knowledge or attempted carnal knowledge of a female forcibly against her will), robbery (the taking or attempting to take anything of value from the care, custody, or control of a person or persons by violence or by putting the victim in fear), and aggravated assault (an unlawful attack or attempt by one person upon another for the purpose of inflicting severe or aggravated bodily injury). Three property crimes are among these serious crimes: burglary (breaking or entering; the unlawful entry or attempted entry of a structure to commit a felony or a larceny), larceny (the unlawful taking of property, except motor vehicle thefts, from the possession or constructive possession of another), and motor vehicle theft (the theft or attempted theft of a motor vehicle; farm equipment, construction equipment, boats, and airplanes are specifically excluded from this category and are included under larceny).

Figure 1. Selected serious crimes in Iowa, 1980-1990.

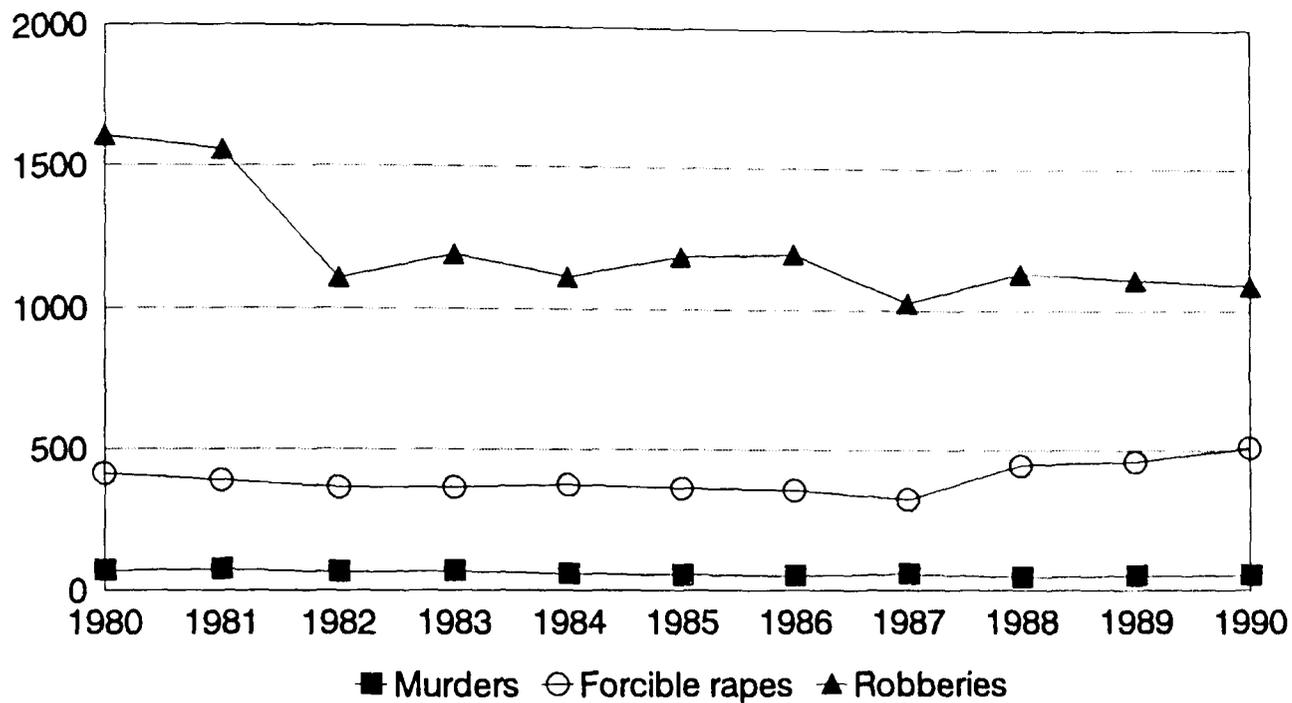


Figure 2. Additional selected serious crimes in Iowa, 1980-1990.

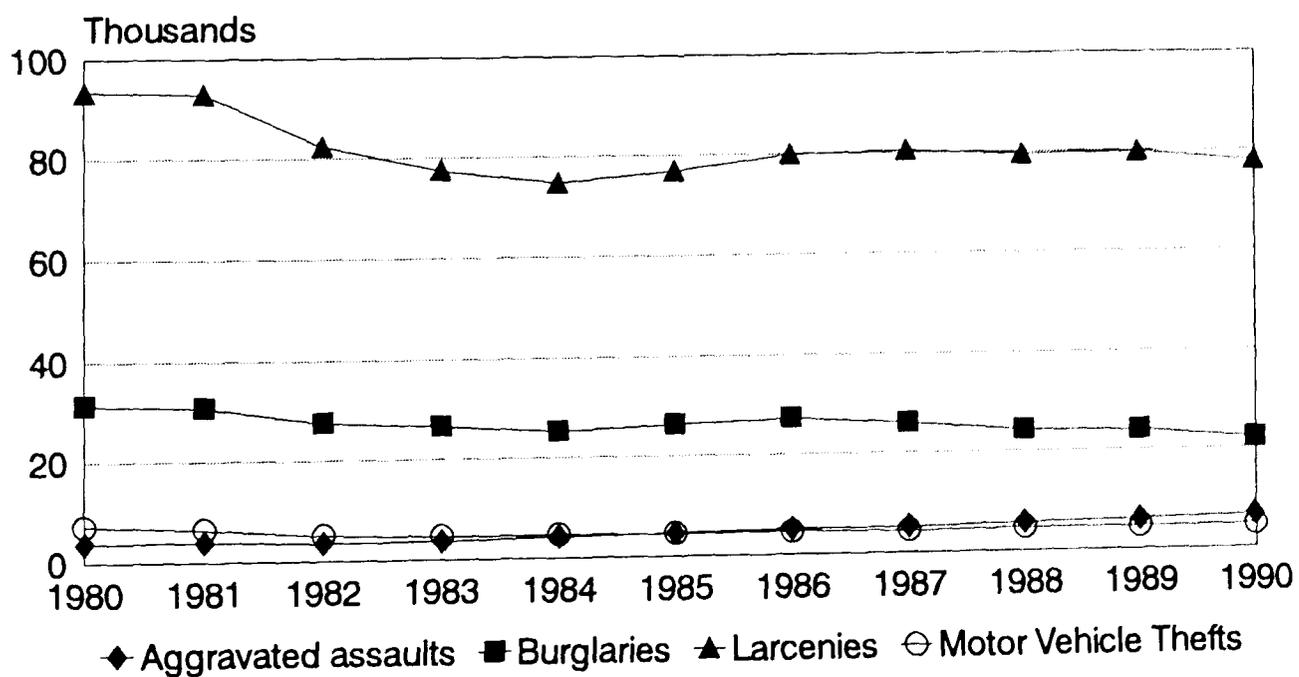


Figure 3. Serious crime rate in Iowa, 1980-1990.

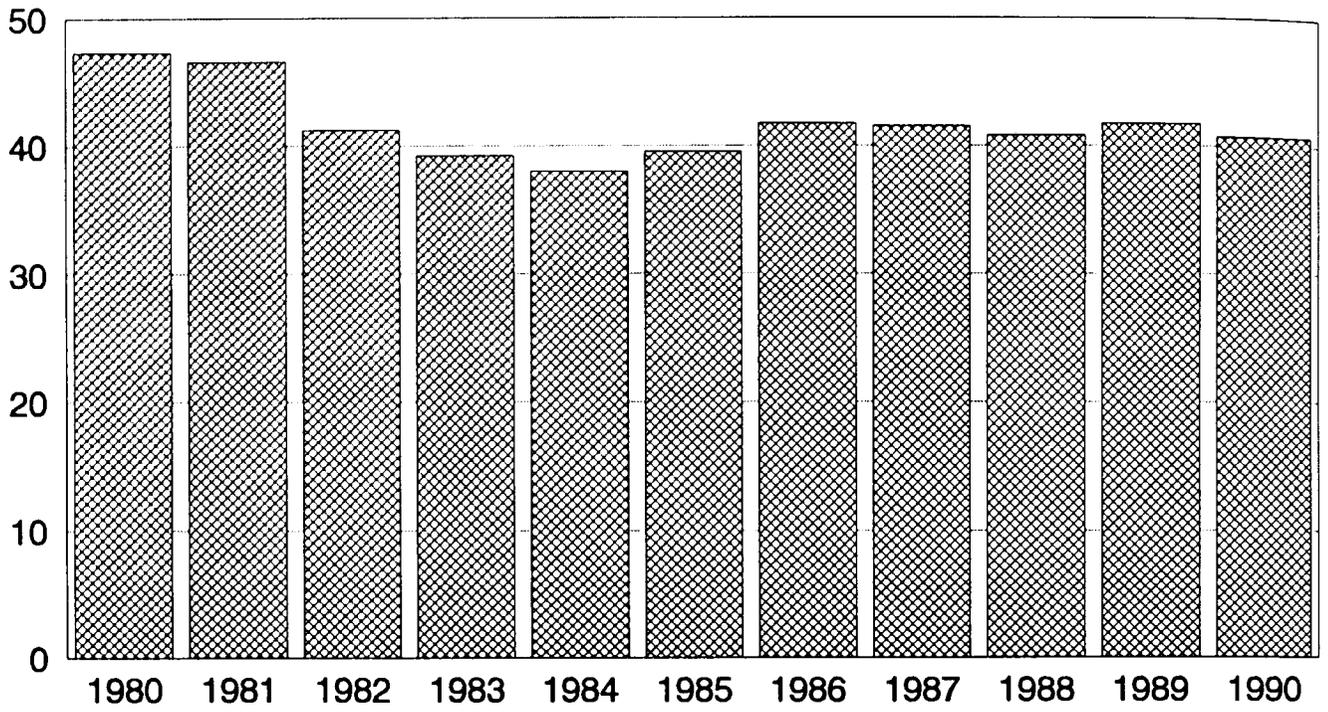
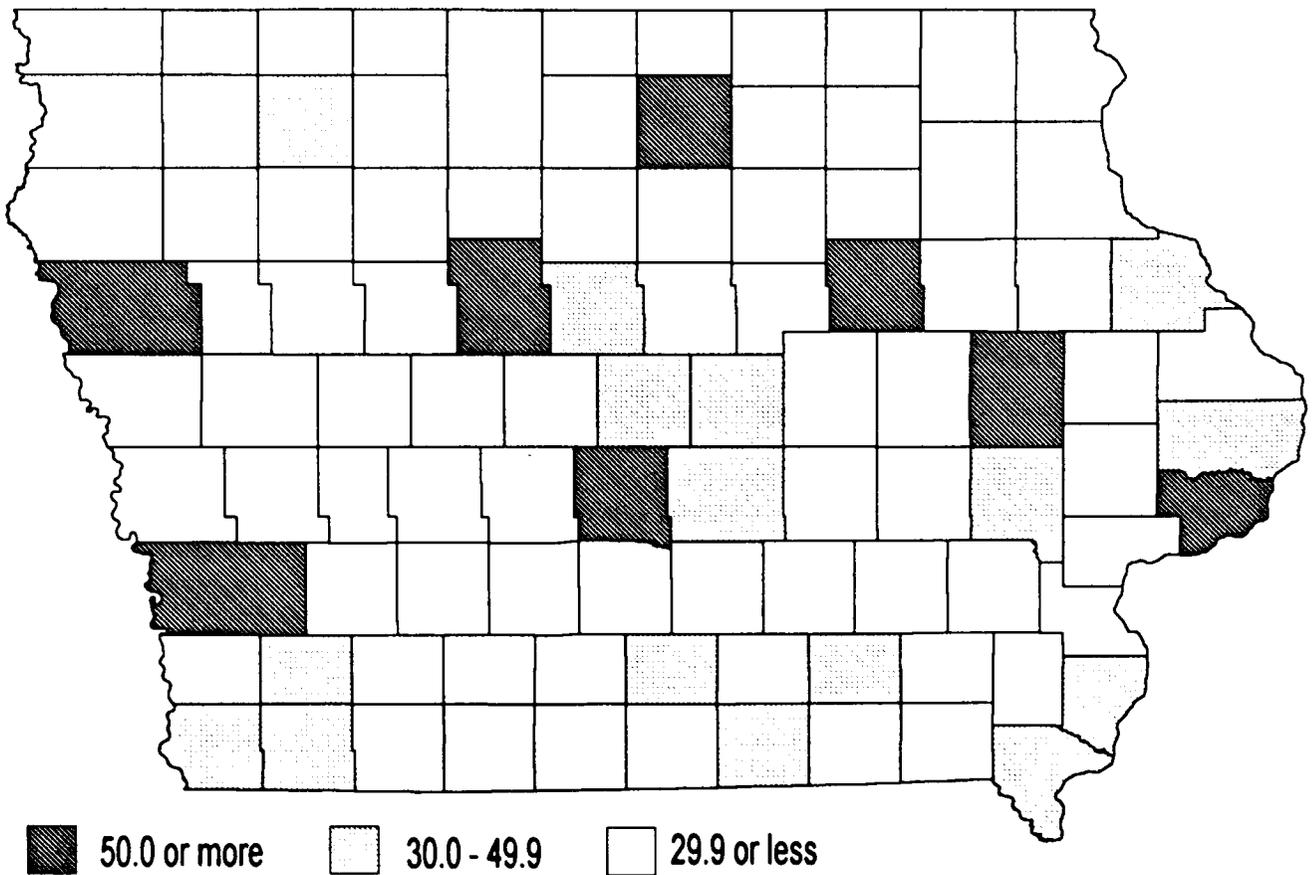


Figure 4. Serious crime rate, 1990.



Arrests of Juveniles in Iowa's Counties:

1980-1990

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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.

Part I Crimes

The most serious offenses are called Part I crimes; they are crimes that occur with the greatest regularity and are most frequently reported to law enforcement agencies. This category includes murder, forcible rape, robbery, aggravated assault, burglary, larceny, and motor vehicle theft. Definitions of these crimes are included in a note concluding the report on serious crime in this volume.

In 1990, 7,708 arrests of juveniles were reported for Part I crimes (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. In year-to-year comparisons, the number of arrests of juveniles for Part I crimes decreased six times and increased four others (Figure 1). From 1980 to 1990, arrests of juveniles dropped by 1,496 (-16.3%). This decline probably was related to a decrease in the population of juveniles during the 1980s. The U.S. Bureau of the Census counted 107,000 fewer Iowans under the age of 18 in 1990 than in 1980 (Table 9); that was a decline of 13.0%.

Arrests of juveniles for Part I crimes in six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) accounted for nearly half (49.2%) of the total for Iowa in 1990. On the other hand, no arrests for Part I crimes were noted in four counties (Guthrie, Keokuk, Ringgold, Wayne); 18 others had fewer than 10 arrests of juveniles for these crimes in 1990. When 1980 and 1990 were compared, arrests of juveniles for Part I crimes increased in 40 counties, topped by Scott with a gain of 146. Total Part I arrests were the same in 1980 and 1990 in seven counties (Adair, Guthrie, Hancock, Keokuk, Mills, Washington, Wayne). They declined in 52 counties, with the greatest difference occurring in Polk, which had 428 fewer arrests of juveniles for Part I crimes in 1990 than in 1980; three others (Black Hawk, Clinton, Linn) had at least 100 fewer arrests at the end of the decade than at the beginning.

Information is available from the Iowa Department of Public Safety on specific Part I crimes as well as the total. Four (aggravated assault, burglary, larceny, motor vehicle theft) had at least 300 juvenile arrests in 1990 (Tables 1-3). Four others (murder, homicide and negligent manslaughter, forcible rape, robbery) had only small numbers of arrests and are reported as "other" (Table 3). Arrests for larceny (the unlawful taking of property, except motor vehicle thefts, from the possession or constructive possession of another) account for at least 64% of the total arrests of juveniles for Part I crimes each year. The only other category with juvenile arrests greater than 1,000 is burglary. Arrests for larceny (-10%), burglary (-35%), and motor vehicle theft (-40%) dropped when 1980 and 1990 were compared, although arrests for aggravated assault increased considerably (+106%). Arrests of juveniles from the other four Part I crimes also decreased over the decade (-46%).

Table 1. Total Juvenile Part I Arrests and Selected Juvenile Part I Arrests (Aggravated Assault) in Iowa Counties, 1980-1990.

County	Total Part I Arrests of Juveniles											Aggravated Assault										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1	5	3	2	9	5	3	0	3	5	1	0	0	0	0	0	0	0	0	0	0	
Adams	1	0	5	7	0	3	6	1	0	5	3	0	0	0	0	0	0	0	0	0	0	
Allamakee	23	17	5	14	7	15	8	11	20	13	19	0	0	0	0	1	0	0	0	0	0	
Appanoose	68	28	33	35	26	38	34	21	41	34	58	0	0	0	3	5	3	1	2	7	0	6
Audubon	8	0	3	7	6	8	5	4	8	6	5	0	0	0	0	0	0	0	0	0	0	0
Benton	38	28	36	29	35	58	88	95	96	111	51	4	0	0	0	0	2	3	2	2	13	1
Black Hawk	485	665	449	461	448	422	552	466	571	656	809	26	22	17	19	16	14	9	8	4	5	10
Boone	39	34	49	34	39	87	62	26	50	54	60	4	1	0	1	0	1	1	1	0	0	1
Bremer	22	19	37	71	53	70	55	45	50	49	15	3	1	6	1	4	3	1	0	1	3	0
Buchanan	49	47	56	56	38	43	55	38	72	27	44	3	0	1	1	0	0	2	1	1	4	0
Buena Vista	50	39	26	70	29	38	38	35	19	33	32	0	0	0	2	1	0	1	0	0	0	1
Butler	10	6	4	8	1	8	15	8	10	16	8	0	0	0	0	0	1	0	0	0	0	0
Calhoun	8	9	9	14	11	15	4	1	16	12	9	0	2	0	0	0	0	0	0	0	0	0
Carroll	23	31	60	47	53	59	49	36	33	62	48	2	1	0	0	0	0	1	0	1	0	1
Cass	38	46	10	32	15	21	26	41	25	21	31	2	0	0	0	0	0	0	0	0	0	0
Cedar	19	9	9	10	11	24	7	4	0	6	14	0	0	0	1	0	0	0	0	0	0	0
Cerro Gordo	313	289	255	348	338	275	195	227	175	238	247	28	38	15	34	10	22	12	8	6	21	2
Cherokee	20	22	34	18	14	25	6	9	16	30	35	1	1	0	0	0	2	0	0	0	0	0
Chickasaw	15	10	7	11	20	14	22	9	17	7	17	0	0	0	2	0	0	0	0	0	0	0
Clarke	25	23	10	13	21	11	24	22	60	18	16	0	1	0	1	0	0	1	0	0	0	1
Clay	83	67	54	76	77	63	70	27	24	17	27	1	1	1	0	2	0	0	0	0	0	0
Clayton	11	6	7	7	9	8	17	13	18	23	43	0	1	1	0	0	0	5	0	0	0	1
Clinton	167	155	238	223	259	199	212	231	275	312	312	4	2	1	3	1	4	5	4	3	0	4
Crawford	50	42	52	36	47	48	20	21	18	34	15	2	0	0	0	0	0	1	0	0	0	0
Dallas	50	18	22	33	29	21	34	13	31	38	74	1	1	1	2	0	1	1	0	1	3	2
Davis	9	12	11	5	6	4	4	14	0	0	2	0	0	1	0	0	0	1	0	0	0	0
Decatur	11	32	12	8	3	6	4	17	8	8	18	0	0	0	0	0	0	0	0	0	0	0
Delaware	21	24	26	26	12	36	13	9	9	23	55	0	0	0	1	0	0	0	1	0	1	1
Des Moines	178	183	193	204	139	229	169	134	187	150	133	8	8	28	22	7	11	8	7	9	6	5
Dickinson	12	42	33	27	43	23	16	8	14	17	27	0	0	0	0	0	0	1	0	0	0	0
Dubuque	378	299	338	308	347	255	316	230	412	470	469	45	41	66	25	16	7	6	3	2	1	4
Emmet	40	33	27	32	37	27	54	19	23	22	33	0	2	0	0	0	0	0	0	0	0	0
Fayette	38	40	28	40	26	29	41	27	53	43	83	2	5	1	0	0	2	0	0	0	3	2

Table 1. Total Juvenile Part I Arrests and Selected Juvenile Part I Arrests (Aggravated Assault) in Iowa Counties, 1980-1990 (continued).

County	Total Part I Arrests of Juveniles											Aggravated Assault										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	53	46	25	55	52	21	30	55	66	69	84	3	3	0	0	0	0	0	0	0	1	0
Franklin	28	52	29	24	25	19	18	24	12	24	17	0	0	0	0	0	0	0	0	0	0	0
Fremont	15	17	16	7	10	18	27	15	8	16	7	1	0	0	0	0	0	0	0	0	0	0
Greene	11	21	9	10	13	13	5	14	3	11	6	0	0	1	0	1	0	0	0	0	0	0
Grundy	10	26	22	8	15	15	9	12	18	15	14	1	0	0	0	0	0	0	0	0	0	0
Guthrie	0	0	0	1	1	0	0	1	1	10	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	27	57	50	34	33	32	40	35	35	38	30	1	0	0	0	1	0	0	1	0	0	0
Hancock	9	31	12	27	9	15	18	6	11	21	9	0	0	0	1	0	0	0	0	0	1	0
Hardin	47	30	28	41	38	41	29	33	28	57	53	1	0	0	0	0	0	0	3	0	0	0
Harrison	1	0	1	7	30	11	18	25	6	5	10	0	0	0	0	1	0	0	0	0	0	0
Henry	24	25	21	27	33	43	24	21	31	26	32	1	0	4	6	2	0	0	0	0	1	2
Howard	8	24	16	13	15	9	13	8	13	11	22	1	0	0	0	0	1	0	2	0	0	0
Humboldt	3	8	5	23	24	10	10	10	11	15	18	0	0	0	0	0	0	0	3	0	0	0
Ida	7	11	14	13	8	4	10	5	10	17	19	0	0	1	0	0	0	0	0	0	0	1
Iowa	7	0	0	13	0	0	1	2	23	27	39	0	0	0	0	0	0	1	0	0	0	1
Jackson	30	49	35	33	20	15	17	31	12	15	29	1	0	0	1	0	0	0	0	0	0	0
Jasper	58	74	42	63	46	69	103	114	117	108	94	3	0	3	0	3	1	1	1	0	2	0
Jefferson	60	21	18	11	7	18	15	14	4	10	25	0	0	0	0	0	0	0	1	0	0	0
Johnson	177	220	202	169	147	148	165	135	180	146	159	23	19	7	9	10	4	6	9	8	10	3
Jones	8	12	4	9	8	12	10	11	17	6	7	4	1	1	0	0	2	0	2	0	1	0
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kossuth	24	16	25	26	19	40	36	29	29	24	17	0	3	0	0	0	0	0	0	0	0	0
Lee	145	87	104	121	149	136	115	122	175	144	143	3	1	3	6	1	2	2	0	1	2	4
Linn	652	604	627	660	803	735	853	807	764	935	1003	19	9	14	12	31	8	15	17	8	12	6
Louisa	13	22	12	21	7	11	26	14	26	15	30	0	0	3	0	1	1	0	0	2	0	3
Lucas	11	25	32	27	18	38	49	32	25	29	22	0	0	0	0	0	0	1	0	0	0	1
Lyon	23	7	2	9	8	20	10	17	7	3	8	0	0	0	1	1	0	0	0	0	0	0
Madison	19	30	19	23	12	28	13	9	9	28	28	0	0	0	0	0	0	0	0	0	0	0
Mahaska	62	73	66	90	73	65	86	157	42	104	68	11	4	3	4	3	3	3	3	2	2	3
Marion	68	44	34	64	46	60	29	48	27	36	44	1	3	4	3	2	1	1	5	2	1	1
Marshall	170	175	187	126	153	95	128	92	131	197	187	11	14	11	4	11	13	6	5	14	14	9
Mills	22	19	14	22	19	16	10	16	26	20	22	1	2	0	2	1	0	0	0	1	5	2
Mitchell	28	12	23	17	32	18	12	13	17	11	17	0	0	0	0	0	0	0	1	0	0	0

Table 1. Total Juvenile Part I Arrests and Selected Juvenile Part I Arrests (Aggravated Assault) in Iowa Counties, 1980-1990 (continued).

County	Total Part I Arrests of Juveniles											Aggravated Assault										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	3	13	8	7	0	6	5	0	1	7	4	0	0	0	0	0	1	0	0	0	0	
Monroe	15	5	9	0	6	8	5	7	8	19	22	4	0	0	0	1	1	0	0	3	2	
Montgomery	25	44	30	27	34	42	7	6	7	15	22	0	0	1	1	0	0	0	0	0	0	
Muscatine	67	101	126	91	90	85	78	102	128	140	122	3	2	2	1	0	1	0	1	1	0	
O'Brien	31	28	23	43	22	31	31	41	45	39	49	0	0	0	0	0	0	0	0	0	0	
Osceola	4	3	1	0	12	8	17	1	4	0	0	0	0	0	0	0	0	0	0	0	0	
Page	58	28	31	27	24	27	29	38	27	37	43	0	3	1	1	0	1	0	0	0	1	
Palo Alto	32	19	28	12	12	28	19	20	13	18	3	0	0	2	1	0	0	0	0	1	0	
Plymouth	35	31	29	33	33	47	37	17	30	29	47	0	0	1	2	2	0	1	0	0	0	
Pocahontas	7	6	10	6	4	5	9	5	21	12	8	0	0	0	0	0	0	0	0	0	0	
Polk	484	462	505	622	847	848	863	839	963	1063	912	14	20	16	32	37	36	31	42	72	64	
Pottawattamie	444	422	383	393	330	351	300	245	357	384	492	18	13	6	9	12	9	10	6	5	7	
Poweshiek	5	4	1	12	40	20	31	22	18	49	32	0	0	1	2	0	0	0	0	0	0	
Ringgold	0	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	
Sac	2	5	7	3	12	15	17	13	17	0	15	0	0	1	0	2	1	0	0	0	0	
Scott	993	842	680	737	783	693	679	734	696	861	847	70	72	59	45	29	31	32	27	18	27	
Shelby	25	7	9	13	16	17	19	11	19	20	18	0	0	1	0	1	0	1	1	3	0	
Sioux	25	16	12	20	31	22	12	16	18	27	23	1	0	0	0	0	0	0	0	0	0	
Story	97	102	114	135	123	148	145	150	141	176	180	8	0	2	2	1	6	6	8	5	14	
Tama	33	31	9	17	17	10	9	18	37	30	61	4	2	0	0	0	0	2	1	0	0	
Taylor	11	7	1	2	4	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Union	15	56	31	15	24	39	12	12	38	19	11	0	0	1	0	1	0	0	0	0	0	
Van Buren	14	4	12	2	2	15	7	4	3	0	7	2	0	0	0	0	1	0	0	0	0	
Wapello	93	84	82	117	111	109	160	112	135	184	117	2	3	4	0	0	0	1	0	0	0	
Warren	88	76	48	59	39	41	43	32	73	43	45	4	0	0	7	4	1	1	1	4	2	
Washington	9	16	10	13	6	6	12	23	17	8	9	1	2	0	0	1	1	2	0	3	0	
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Webster	137	149	136	197	179	208	237	247	182	225	152	7	4	7	7	3	3	3	7	9	3	
Winnebago	23	28	28	35	17	16	18	12	24	25	32	4	3	3	2	2	0	1	1	2	1	
Winneshiek	52	35	30	31	43	47	20	34	33	36	46	3	1	1	3	3	2	3	2	0	0	
Woodbury	736	739	818	544	691	725	751	524	618	752	758	35	29	34	23	18	13	31	14	9	7	
Worth	10	9	6	4	3	4	3	8	13	11	18	0	0	0	0	1	0	0	0	0	0	
Wright	12	11	18	14	4	10	2	4	21	24	30	0	0	0	0	0	0	0	0	0	0	
State of Iowa	7708	7501	7071	7337	7640	7595	7730	7086	7946	9006	9204	402	341	337	306	249	216	220	202	205	230	

Table 2. Selected Juvenile Part I Arrests (Burglary, Larceny) in Iowa Counties, 1980-1990.

County	Burglary											Larceny										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	5	2	0	0	0	0	1	5	2	2	9	0	1	0	1	3	1
Adams	1	0	5	0	0	0	4	0	0	1	2	0	0	0	7	0	0	2	1	0	2	1
Allamakee	1	2	2	3	1	3	0	0	4	2	5	22	14	3	9	5	12	8	11	14	11	14
Appanoose	15	9	4	3	1	4	5	3	16	11	14	49	17	22	28	20	29	28	16	17	20	32
Audubon	0	0	0	5	0	1	0	2	2	2	1	8	0	3	2	6	7	5	2	2	3	1
Benton	16	18	12	12	5	14	38	34	46	41	7	13	7	21	14	23	34	40	53	37	45	36
Black Hawk	74	140	91	103	88	74	108	78	124	107	185	353	463	320	314	318	307	407	352	374	501	564
Boone	2	14	9	6	6	8	14	0	24	12	2	29	19	37	27	24	71	42	24	24	28	36
Bremer	2	6	6	18	15	34	18	17	7	16	3	14	11	24	51	31	28	28	18	38	26	10
Buchanan	13	30	19	14	19	12	9	5	23	10	10	30	12	27	39	16	25	32	22	45	9	27
Buena Vista	6	8	4	9	6	9	6	9	7	7	8	34	26	19	58	19	24	27	24	11	20	19
Butler	4	4	0	1	1	2	5	4	5	9	2	3	2	4	6	0	5	4	1	4	7	6
Calhoun	0	3	1	3	4	0	0	0	5	6	1	8	2	6	6	7	15	3	1	11	5	2
Carroll	2	5	9	7	1	30	11	5	7	28	4	18	20	45	39	47	29	30	30	25	29	40
Cass	6	6	3	9	2	5	3	7	8	2	6	30	34	7	23	10	11	22	32	17	17	24
Cedar	6	3	2	0	4	12	1	3	0	5	9	11	6	7	9	7	12	6	1	0	1	5
Cerro Gordo	39	50	11	53	34	27	36	31	30	56	28	226	192	210	250	287	206	140	178	128	143	198
Cherokee	0	1	6	1	5	5	5	1	4	9	1	17	19	28	16	9	15	0	8	12	17	21
Chickasaw	3	1	0	2	9	3	8	6	6	2	10	9	9	6	6	11	11	11	3	8	5	6
Clarke	14	4	0	0	7	2	2	0	16	3	5	11	14	9	8	12	7	16	16	41	4	10
Clay	8	11	5	3	0	16	10	4	10	6	4	70	55	44	73	75	47	59	21	14	11	20
Clayton	2	0	2	3	5	4	0	4	6	1	31	2	5	2	4	4	4	6	7	10	17	11
Clinton	34	15	43	73	71	30	50	32	40	53	47	106	132	164	127	180	151	143	159	200	236	211
Crawford	7	0	6	7	12	15	3	7	11	11	3	41	36	43	29	34	30	11	14	6	20	12
Dallas	7	5	1	13	2	3	6	5	11	13	27	42	12	18	12	22	13	25	5	13	21	38
Davis	7	2	1	1	6	0	0	0	0	0	1	2	7	9	4	0	4	3	14	0	0	0
Decatur	4	8	7	0	3	0	3	11	2	5	4	5	9	3	5	0	5	1	5	5	2	7
Delaware	5	9	10	2	1	10	1	0	5	5	11	13	11	9	21	10	26	10	6	4	15	41
Des Moines	33	23	38	26	43	47	21	38	40	27	20	125	124	107	141	78	163	134	83	114	94	86
Dickinson	2	3	7	7	10	4	4	4	5	0	4	10	34	26	20	30	19	11	4	9	14	22
Dubuque	59	45	29	36	49	51	57	54	144	107	114	224	198	227	223	253	174	221	147	238	313	285
Emmet	14	6	3	6	9	7	5	5	6	0	3	26	18	24	26	28	20	45	13	17	21	28
Fayette	13	6	2	18	3	6	9	6	3	9	14	16	24	25	22	19	21	31	21	50	29	62

Table 2. Selected Juvenile Part I Arrests (Burglary, Larceny) in Iowa Counties, 1980-1990 (continued).

County	Burglary											Larceny										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	6	7	6	2	2	2	4	8	10	6	17	44	35	19	51	50	19	23	47	53	58	63
Franklin	2	23	13	11	4	3	3	7	0	7	5	23	25	14	12	16	15	15	10	12	17	12
Fremont	1	6	3	1	7	0	4	4	4	2	5	13	11	11	5	3	15	22	3	3	6	1
Greene	6	10	2	0	0	3	3	4	0	7	0	5	10	6	10	12	10	2	6	3	2	4
Grundy	3	7	5	0	7	8	6	6	0	0	2	3	17	17	5	6	4	1	5	14	13	10
Guthrie	0	0	0	1	1	0	0	1	0	6	0	0	0	0	0	0	0	0	0	1	3	0
Hamilton	1	19	7	7	3	3	7	3	1	4	3	24	30	31	21	22	24	32	24	32	32	18
Hancock	2	0	2	4	2	7	1	0	3	7	1	7	27	10	22	7	8	14	6	6	10	8
Hardin	14	9	1	17	0	14	8	6	9	18	22	22	18	20	13	31	27	17	19	12	26	15
Harrison	0	0	0	6	13	1	9	3	3	0	0	0	0	1	1	10	5	7	12	0	4	9
Henry	5	5	0	2	4	3	0	2	11	8	12	18	20	13	18	24	38	24	14	18	17	17
Howard	0	4	1	0	4	3	0	0	2	2	8	7	19	15	11	11	4	12	6	11	5	10
Humboldt	0	2	2	3	0	4	2	0	1	8	0	3	6	3	19	24	5	8	6	8	3	8
Ida	3	2	1	7	0	1	1	2	1	3	14	4	9	12	6	8	1	8	2	7	8	4
Iowa	6	0	0	5	0	0	0	1	5	11	16	1	0	0	7	0	0	0	1	14	12	21
Jackson	11	12	3	1	3	0	4	9	2	2	9	18	37	31	25	17	15	10	20	9	13	18
Jasper	9	18	8	15	4	13	15	25	22	17	6	35	37	26	47	37	47	80	61	82	79	79
Jefferson	6	2	2	4	1	1	1	4	2	5	0	36	11	11	7	5	17	13	8	2	5	25
Johnson	25	24	28	20	12	15	30	19	40	29	29	124	173	156	138	119	110	108	91	111	69	117
Jones	1	1	0	4	3	0	0	0	3	1	0	3	10	3	5	4	10	10	6	13	4	7
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kossuth	0	4	15	2	3	9	3	6	1	5	1	22	9	9	24	16	30	28	21	23	18	11
Lee	18	20	24	29	29	27	22	25	66	27	36	121	61	74	76	116	103	81	91	98	113	96
Linn	92	47	63	71	122	125	132	118	118	154	162	524	531	531	555	636	583	659	601	587	692	724
Louisa	6	10	2	7	0	8	22	3	14	8	13	6	12	7	14	6	0	3	6	8	5	12
Lucas	0	1	6	9	3	9	10	11	3	8	2	10	23	26	17	10	21	31	18	18	15	15
Lyon	6	3	0	1	2	7	0	9	0	1	5	15	3	2	7	4	7	7	8	7	2	3
Madison	4	10	2	1	10	11	4	4	0	6	4	13	20	13	22	2	14	7	5	8	14	20
Mahaska	3	17	10	12	12	6	16	53	21	38	22	47	42	50	70	58	56	65	90	19	63	38
Marion	5	6	3	7	8	10	11	6	8	10	3	62	35	26	49	34	48	16	37	17	20	35
Marshall	16	23	17	26	15	5	17	19	34	40	30	140	122	153	89	125	73	96	65	77	134	134
Mills	4	2	0	6	6	2	4	6	12	6	0	14	11	13	11	9	8	6	10	13	9	18
Mitchell	3	0	6	7	13	3	3	2	3	5	1	16	10	15	10	16	12	7	7	12	5	11

Table 2. Selected Juvenile Part I Arrests (Burglary, Larceny) in Iowa Counties, 1980-1990 (continued).

County	Burglary											Larceny										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	0	4	1	3	0	3	0	0	1	5	0	1	6	2	3	0	3	1	0	0	2	4
Monroe	4	2	3	0	2	0	1	5	4	3	7	6	0	6	0	4	7	3	2	3	9	9
Montgomery	4	2	0	3	2	10	7	4	6	10	13	21	41	26	21	31	28	0	0	1	5	3
Muscatine	9	12	25	11	14	9	12	41	28	50	45	52	78	93	74	74	72	64	56	91	84	60
O'Brien	4	5	2	4	2	11	15	12	18	6	10	27	22	13	38	19	20	16	22	22	30	36
Osceola	0	0	0	0	0	0	0	0	1	0	0	4	3	0	0	12	8	17	1	2	0	0
Page	10	7	2	6	9	8	6	10	5	6	11	45	17	28	15	13	12	23	25	20	28	28
Palo Alto	7	1	11	2	1	14	5	4	2	8	1	25	18	14	9	7	13	13	15	9	6	1
Plymouth	7	4	1	5	6	12	7	2	2	4	9	28	21	23	23	25	27	27	15	25	22	34
Pocahontas	3	1	7	0	3	3	7	0	3	5	0	4	4	3	6	1	2	2	5	16	7	7
Polk	51	66	52	122	206	197	244	222	225	255	201	371	350	389	410	498	505	488	462	551	632	473
Pottawattamie	87	73	55	48	46	46	48	61	93	81	119	299	285	281	289	234	254	210	155	231	264	311
Poweshiek	0	3	0	0	1	6	4	5	2	7	4	5	1	0	9	39	12	22	16	13	39	27
Ringgold	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	3	2	8	5	7	0	6	0	7	2	5	2	1	2	9	10	11	8	0	8
Scott	186	195	166	209	194	192	140	150	198	208	178	652	492	415	425	495	429	463	514	437	553	545
Shelby	6	2	0	3	0	5	8	1	4	10	10	14	4	7	6	16	11	7	9	7	3	8
Sioux	1	4	2	5	16	7	1	5	5	9	2	16	8	10	11	13	12	10	9	8	13	14
Story	14	22	9	24	15	43	27	30	30	37	33	61	74	89	99	103	92	105	100	88	108	127
Tama	6	10	2	5	1	6	5	2	8	11	23	19	16	7	12	15	4	2	12	25	17	32
Taylor	3	2	0	0	1	0	0	0	0	0	0	8	0	1	1	3	0	0	0	0	0	0
Union	1	2	5	0	1	4	5	2	6	3	5	12	47	21	8	21	26	7	9	24	14	5
Van Buren	1	2	8	0	0	6	1	3	2	0	5	10	0	4	1	1	8	2	1	1	0	0
Wapello	7	4	15	17	20	14	29	41	26	37	21	83	76	63	96	87	87	125	64	100	128	86
Warren	10	9	13	18	13	15	16	11	26	8	14	64	55	30	28	19	18	26	19	38	27	22
Washington	2	0	2	0	0	1	1	2	0	1	3	4	11	8	13	4	1	3	14	10	5	1
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	22	27	13	36	35	21	40	44	23	36	37	93	114	113	144	129	179	189	175	137	167	99
Winnebago	1	6	0	4	2	5	6	0	4	1	2	12	15	23	29	11	11	9	11	10	15	27
Winneshiek	16	10	5	6	9	9	0	3	8	11	4	27	16	22	20	27	25	16	25	22	20	41
Woodbury	109	104	139	66	97	99	112	113	104	128	101	539	551	614	435	529	581	563	372	453	544	605
Worth	7	3	3	0	0	0	0	3	12	4	4	3	5	3	4	2	4	1	3	0	6	14
Wright	4	5	10	7	1	4	0	0	10	3	9	8	6	7	3	3	5	2	4	5	18	17
State of Iowa	1239	1318	1124	1338	1420	1501	1540	1517	1879	1964	1893	5463	5252	5136	5221	5469	5319	5390	4724	5144	5931	6083

Table 3. Selected Juvenile Part I Arrests (Motor Vehicle Theft, Other) in Iowa Counties, 1980-1990.

County	Motor Vehicle Theft											Other Part I Arrests ^a										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	1	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	0	1	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	4	2	7	1	0	2	0	0	1	3	6	0	0	0	0	0	0	0	0	0	0	0
Audubon	0	0	0	0	0	0	0	0	4	1	3	0	0	0	0	0	0	0	0	0	0	0
Benton	5	2	3	3	7	8	7	4	10	10	6	0	1	0	0	0	0	2	1	2	1	1
Black Hawk	28	26	13	8	13	18	11	16	44	37	41	4	14	8	17	13	9	17	12	25	6	9
Boone	4	0	3	0	9	7	5	1	1	14	20	0	0	0	0	0	0	0	1	0	1	1
Bremer	3	1	0	1	1	5	8	10	4	4	2	0	0	1	0	2	0	0	0	0	0	0
Buchanan	3	5	8	2	3	4	11	8	2	3	6	0	0	1	0	0	2	1	2	1	1	1
Buena Vista	9	5	3	1	3	5	4	1	1	5	4	1	0	0	0	0	0	1	0	1	0	0
Butler	0	0	0	0	0	0	6	3	1	0	0	3	0	0	1	0	0	0	0	0	0	0
Calhoun	0	2	2	5	0	0	1	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0
Carroll	1	5	6	1	5	0	7	1	0	5	3	0	0	0	0	0	0	0	0	0	0	0
Cass	0	6	0	0	3	5	1	0	0	2	0	0	0	0	0	0	0	2	0	0	0	1
Cedar	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerro Gordo	19	9	18	10	7	18	5	8	8	14	17	1	0	1	1	0	2	2	2	3	4	2
Cherokee	2	1	0	1	0	3	1	0	0	4	13	0	0	0	0	0	0	0	0	0	0	0
Chickasaw	3	0	1	1	0	0	3	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0
Clarke	0	0	1	4	0	2	5	6	3	11	0	0	4	0	0	2	0	0	0	0	0	0
Clay	4	0	4	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Clayton	7	0	2	0	0	0	6	2	2	5	0	0	0	0	0	0	0	0	0	0	0	0
Clinton	18	4	24	20	7	11	12	35	30	22	40	5	2	6	0	0	3	2	1	2	1	10
Crawford	0	6	3	0	1	3	5	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0
Dallas	0	0	0	6	3	1	0	3	2	1	5	0	0	2	0	2	3	2	0	4	0	2
Davis	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Decatur	2	15	2	3	0	1	0	1	1	1	7	0	0	0	0	0	0	0	0	0	0	0
Delaware	3	4	7	2	1	0	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0
Des Moines	10	27	20	13	10	8	4	5	21	20	19	2	1	0	2	1	0	2	1	3	3	3
Dickinson	0	5	0	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1
Dubuque	33	13	13	19	25	15	30	23	21	43	63	17	2	3	5	4	8	2	3	7	6	3
Emmet	0	7	0	0	0	0	4	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0
Fayette	6	4	0	0	4	0	1	0	0	2	5	1	1	0	0	0	0	0	0	0	0	0

Table 3. Selected Juvenile Part I Arrests (Motor Vehicle Theft, Other) in Iowa Counties, 1980-1990 (continued).

County	Motor Vehicle Theft											Other Part I Arrests ^a										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	1	0	2	0	0	3	0	3	1	3	0	0	0	0	0	0	0	0	3	1	
Franklin	3	4	2	1	5	1	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fremont	0	0	2	1	0	3	1	7	1	7	1	0	0	0	0	0	0	1	0	1	0	
Greene	0	1	0	0	0	0	0	4	0	2	1	0	0	0	0	0	0	0	0	0	1	
Grundy	3	2	0	3	2	1	2	1	4	2	2	0	0	0	0	2	0	0	0	0	0	
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Hamilton	1	8	12	6	7	5	1	7	1	2	7	0	0	0	0	0	0	0	1	0	2	
Hancock	0	4	0	0	0	0	3	0	2	1	0	0	0	0	0	0	0	0	0	2	0	
Hardin	10	3	6	11	7	0	4	5	7	13	14	0	0	1	0	0	0	0	0	0	2	
Harrison	1	0	0	0	2	1	2	10	3	1	1	0	0	0	4	4	0	0	0	0	0	
Henry	0	0	4	1	3	2	0	5	2	0	1	0	0	0	0	0	0	0	0	0	0	
Howard	0	1	0	2	0	1	1	0	0	4	4	0	0	0	0	0	0	0	0	0	0	
Humboldt	0	0	0	1	0	1	0	1	2	4	10	0	0	0	0	0	0	0	0	0	0	
Ida	0	0	0	0	0	2	1	1	2	6	0	0	0	0	0	0	0	0	0	0	0	
Iowa	0	0	0	1	0	0	0	0	4	3	1	0	0	0	0	0	0	0	0	1	0	
Jackson	0	0	1	5	0	0	0	2	1	0	0	0	0	1	0	0	3	0	0	0	2	
Jasper	9	19	5	1	2	4	7	27	8	9	9	2	0	0	0	4	0	0	5	1	0	
Jefferson	15	7	5	0	1	0	1	1	0	0	0	3	1	0	0	0	0	0	0	0	0	
Johnson	2	3	9	0	6	18	20	14	16	29	5	3	1	2	2	0	1	1	2	5	9	
Jones	0	0	0	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kossuth	1	0	1	0	0	1	5	2	5	1	5	1	0	0	0	0	0	0	0	0	0	
Lee	3	2	3	9	0	3	4	6	8	0	7	0	3	0	1	3	1	6	0	2	2	
Linn	7	12	7	9	8	5	39	59	45	58	96	10	5	12	13	6	14	8	12	6	19	
Louisa	1	0	0	0	0	2	1	5	1	2	2	0	0	0	0	0	0	0	0	1	0	
Lucas	1	1	0	1	5	8	7	3	4	6	4	0	0	0	0	0	0	0	0	0	0	
Lyon	2	1	0	0	1	6	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Madison	1	0	4	0	0	3	2	0	0	8	4	1	0	0	0	0	0	0	2	0	0	
Mahaska	1	10	2	4	0	0	2	9	0	1	5	0	0	1	0	0	0	0	0	0	1	
Marion	0	0	0	5	0	1	1	0	0	4	3	0	0	1	0	2	0	0	2	1	2	
Marshall	1	13	6	7	2	4	7	3	4	8	12	2	3	0	0	0	2	0	2	1	2	
Mills	3	4	1	1	1	6	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	
Mitchell	9	2	2	0	3	3	2	3	2	1	4	0	0	0	0	0	0	0	0	0	1	

Table 3. Selected Juvenile Part I Arrests (Motor Vehicle Theft, Other) in Iowa Counties, 1980-1990 (continued).

County	Motor Vehicle Theft											Other Part I Arrests ^a										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	1	3	5	1	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Monroe	1	3	0	0	0	0	0	0	1	4	4	0	0	0	0	0	0	0	0	0	0	0
Montgomery	0	1	3	2	1	4	0	2	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Muscatine	0	5	4	5	1	2	2	2	8	2	11	3	4	2	0	1	1	0	3	0	3	6
O'Brien	0	1	8	0	0	0	0	7	5	3	3	0	0	0	1	1	0	0	0	0	0	0
Osceola	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	3	1	0	5	2	6	0	3	1	3	3	0	0	0	0	0	0	0	0	1	0	0
Palo Alto	0	0	0	0	0	0	1	1	2	3	1	0	0	1	0	3	1	0	0	0	0	0
Plymouth	0	6	4	2	0	5	2	0	2	3	4	0	0	0	1	0	3	0	0	1	0	0
Pocahontas	0	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0
Polk	42	21	37	39	66	83	70	84	68	97	126	6	5	11	19	40	27	30	29	47	31	48
Pottawattamie	38	48	31	37	26	33	27	21	18	24	35	2	3	10	10	12	9	5	2	10	8	17
Poweshiek	0	0	0	1	0	2	5	1	3	3	1	0	0	0	0	0	0	0	0	0	0	0
Ringgold	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	1	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Scott	58	57	25	23	42	18	20	32	18	44	48	27	26	15	35	23	23	24	11	25	29	57
Shelby	5	1	1	4	0	0	4	0	7	4	0	0	0	0	0	0	0	0	0	0	0	0
Sioux	6	4	0	4	2	3	1	2	5	4	7	1	0	0	0	0	0	0	0	0	1	0
Story	10	4	14	8	2	6	5	12	16	14	9	4	2	0	2	2	1	2	0	2	3	0
Tama	3	3	0	0	0	0	1	2	3	2	6	1	0	0	0	1	0	1	0	0	0	0
Taylor	0	5	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	2	7	4	7	1	9	0	1	7	0	1	0	0	0	0	0	0	0	0	1	2	0
Van Buren	1	2	0	1	1	1	2	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0
Wapello	1	0	0	3	1	8	5	4	9	13	8	0	1	0	1	3	0	1	2	0	6	2
Warren	10	11	4	6	2	7	0	1	5	6	4	0	1	1	0	1	0	0	0	0	4	4
Washington	2	3	0	0	1	3	6	7	3	2	4	0	0	0	0	0	0	0	0	1	0	1
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	11	4	2	8	12	3	5	13	13	17	11	4	0	1	2	0	2	0	8	0	2	3
Winnebago	6	4	2	0	2	0	2	0	6	7	2	0	0	0	0	0	0	0	0	2	0	0
Winneshiek	6	8	2	2	3	11	1	4	3	5	1	0	0	0	1	0	0	0	0	0	0	0
Woodbury	43	42	27	18	33	23	35	22	37	62	38	10	13	4	2	14	9	10	3	15	11	8
Worth	0	1	0	0	0	0	1	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0
Wright	0	0	1	3	0	1	0	0	3	3	4	0	0	0	1	0	0	0	0	3	0	0
State of Iowa	489	497	390	353	359	430	457	542	540	720	820	115	93	84	119	143	129	123	101	178	161	213

Table 4. Total Juvenile Part II Arrests and Selected Juvenile Part II Arrests (Other Assaults) in Iowa Counties, 1980-1990.

County	Total Part II Arrests of Juveniles											Other Assaults ^a										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	16	11	17	0	7	0	3	4	3	8	22	0	0	0	0	0	0	0	0	0	0	
Adams	0	0	7	3	1	0	4	0	2	1	3	0	0	0	0	0	0	0	0	0	3	
Allamakee	48	43	55	71	40	42	66	104	81	66	75	7	5	0	5	3	4	3	2	1	1	
Appanoose	104	96	134	154	110	107	140	145	93	242	226	8	5	5	2	5	5	4	6	8	3	
Audubon	5	2	6	4	6	9	11	11	20	18	21	0	0	0	0	0	0	0	1	0	0	
Benton	65	73	75	65	50	66	71	64	71	129	138	10	19	12	10	5	6	8	8	5	21	
Black Hawk	475	469	347	299	361	296	234	293	451	685	725	178	169	122	74	75	86	38	54	75	84	
Boone	129	103	90	112	86	112	81	118	110	149	172	12	4	3	8	3	1	3	2	0	3	
Bremer	101	76	90	89	66	126	84	73	65	59	19	15	8	5	2	2	14	14	6	8	4	
Buchanan	46	58	70	62	79	110	65	74	97	46	54	8	3	2	6	8	10	12	4	10	4	
Buena Vista	128	135	62	60	84	60	64	62	29	58	71	9	5	2	5	11	1	0	1	3	0	
Butler	24	23	5	1	7	4	15	5	2	12	10	8	0	0	0	1	2	0	0	1	1	
Calhoun	6	3	4	2	12	11	5	2	9	11	5	0	1	0	0	0	0	0	1	0	0	
Carroll	139	131	115	84	103	114	140	216	208	192	210	19	8	9	2	5	6	4	3	4	4	
Cass	25	36	45	71	43	89	64	97	106	77	69	1	1	4	1	1	5	4	3	5	7	
Cedar	47	19	32	50	77	13	34	15	8	13	12	3	0	3	1	1	0	1	0	0	0	
Cerro Gordo	459	467	550	369	223	151	157	104	101	123	166	33	34	28	10	14	5	6	1	2	3	
Cherokee	75	38	42	29	46	41	22	52	45	67	59	15	9	5	2	7	5	0	10	11	4	
Chickasaw	65	55	50	78	63	75	59	47	65	40	64	4	7	0	3	1	2	3	2	0	0	
Clarke	32	11	25	26	22	14	30	34	45	48	73	3	0	0	6	1	0	2	1	5	23	
Clay	87	66	86	71	90	111	127	131	144	121	98	3	1	6	1	2	9	1	1	0	2	
Clayton	13	10	27	13	18	9	9	10	14	27	8	5	1	1	0	0	0	0	0	0	0	
Clinton	620	586	690	568	829	567	671	638	627	734	784	58	43	60	22	26	9	31	26	21	10	
Crawford	181	70	80	74	81	73	64	34	42	51	93	9	4	12	9	1	1	1	1	4	0	
Dallas	73	79	60	65	74	81	52	64	90	122	112	9	5	3	0	2	2	0	3	0	2	
Davis	4	7	2	6	1	6	6	2	0	2	1	0	1	1	0	0	2	0	0	0	0	
Decatur	70	51	50	18	4	7	12	17	7	35	36	5	3	0	0	0	0	0	0	0	0	
Delaware	60	33	68	67	47	37	35	17	54	72	86	2	0	4	3	0	2	2	0	4	2	
Des Moines	365	328	280	259	224	214	184	187	166	209	185	42	12	0	6	3	0	2	2	4	1	
Dickinson	37	58	48	64	74	47	66	73	55	76	63	6	4	3	2	2	1	0	0	1	9	
Dubuque	1133	1024	941	1123	1012	822	851	761	750	874	941	49	53	39	65	54	64	57	57	41	55	
Emmet	63	94	87	79	50	31	61	40	84	38	73	4	9	7	4	2	1	5	0	0	3	
Fayette	91	82	100	136	107	85	112	96	84	97	171	1	0	2	8	5	8	4	2	6	8	

Table 4. Total Juvenile Part II Arrests and Selected Juvenile Part II Arrests (Other Assaults) in Iowa Counties, 1980-1990 continued).

County	Total Part II Arrests of Juveniles											Other Assaults ^a										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	30	42	28	23	29	52	66	74	83	102	112	2	6	4	3	0	0	0	0	0	4	8
Franklin	110	70	48	84	56	42	35	25	20	41	24	6	9	0	3	10	4	0	0	0	1	1
Fremont	30	12	47	16	12	15	29	20	27	15	14	5	4	3	1	1	0	2	1	1	2	0
Greene	34	56	46	43	56	26	48	22	21	8	6	0	0	1	0	0	0	0	0	2	0	0
Grundy	44	61	36	72	30	44	56	35	40	45	56	0	4	1	2	1	0	0	1	1	1	2
Guthrie	0	0	0	4	4	5	2	6	15	11	22	0	0	0	1	0	1	2	0	0	0	1
Hamilton	73	82	125	99	70	51	47	29	28	23	41	14	13	10	3	8	7	8	7	4	0	0
Hancock	30	17	42	26	6	20	10	11	18	54	26	2	0	1	5	1	1	0	1	2	1	3
Hardin	117	129	140	187	185	97	142	109	156	207	147	7	3	2	1	5	10	4	8	3	6	2
Harrison	12	24	16	37	29	18	50	25	34	66	44	1	0	0	0	0	0	0	0	3	4	2
Henry	96	122	48	48	62	31	33	35	66	46	28	10	4	6	3	5	2	0	0	1	1	0
Howard	49	51	63	34	33	47	36	55	38	35	38	2	3	2	0	0	2	1	0	0	4	1
Humboldt	21	21	15	24	39	34	7	24	21	20	20	0	0	0	4	3	2	1	0	0	0	0
Ida	27	6	25	15	8	1	13	3	8	9	10	1	0	1	2	0	0	0	0	0	0	0
Iowa	11	0	0	14	7	6	14	24	23	28	57	2	0	0	2	0	0	1	0	1	3	0
Jackson	75	104	95	112	65	99	34	44	32	53	124	13	8	9	5	2	0	4	4	2	0	4
Jasper	264	135	147	104	104	95	140	165	159	171	202	25	8	18	4	6	5	18	8	13	6	4
Jefferson	56	67	17	9	30	15	48	26	37	38	65	3	5	0	0	0	0	0	0	0	0	3
Johnson	257	303	221	236	239	215	248	208	306	173	212	15	28	18	14	16	16	10	18	10	5	5
Jones	27	12	9	13	70	29	19	24	20	37	25	1	1	2	0	0	0	0	1	0	0	0
Keokuk	1	0	0	0	0	0	0	2	4	1	3	1	0	0	0	0	0	0	0	0	0	0
Kossuth	35	64	78	74	129	41	66	39	59	51	30	2	1	8	2	1	0	7	1	2	0	1
Lee	249	327	244	238	284	249	264	200	267	231	253	36	28	33	11	22	14	19	19	8	7	14
Linn	937	598	686	692	741	735	825	880	730	798	874	241	169	178	185	175	163	179	167	142	157	132
Louisa	59	30	67	67	54	33	52	102	73	53	38	6	0	5	5	0	0	6	2	7	5	4
Lucas	24	40	37	64	17	38	51	29	25	28	11	9	13	7	6	3	3	4	1	1	1	1
Lyon	43	43	29	42	40	22	51	49	35	27	28	3	1	2	1	1	0	0	0	0	0	0
Madison	36	45	29	49	38	36	27	13	14	17	19	3	7	2	6	3	3	7	5	0	0	0
Mahaska	169	96	115	116	96	115	118	127	84	131	112	13	2	9	18	1	6	5	7	2	2	5
Marion	175	153	131	141	140	115	96	99	112	143	125	6	2	1	3	2	1	1	0	0	0	0
Marshall	464	591	426	322	233	185	196	267	295	412	534	35	41	38	40	34	18	29	30	24	33	33
Mills	60	34	10	15	46	20	33	20	45	33	81	7	7	1	0	2	2	3	0	1	0	0
Mitchell	33	24	32	15	62	78	8	18	52	70	71	5	1	2	1	3	6	0	0	2	0	1

Table 4. Total Juvenile Part II Arrests and Selected Juvenile Part II Arrests (Other Assaults) in Iowa Counties, 1980-1990 (continued).

County	Total Part II Arrests of Juveniles											Other Assaults ^a										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	21	40	17	9	17	6	10	2	9	25	4	0	0	2	1	1	0	1	0	0	1	0
Monroe	52	16	17	0	11	8	1	11	8	21	15	0	1	1	0	1	0	0	0	1	1	0
Montgomery	79	90	54	61	92	65	91	59	92	48	43	13	13	7	1	14	3	3	4	4	7	0
Muscatine	210	339	240	213	174	149	171	164	190	181	178	29	19	18	16	10	12	14	5	6	11	15
O'Brien	82	72	59	79	43	35	38	42	33	41	97	7	4	4	1	0	0	0	1	0	1	0
Osceola	27	6	23	66	37	48	44	16	37	35	26	0	1	0	0	0	0	0	0	0	0	0
Page	206	190	126	127	117	73	103	136	117	112	115	20	17	13	7	5	5	9	17	17	11	6
Palo Alto	51	32	25	42	83	21	35	29	30	32	30	2	2	0	0	0	0	0	1	0	0	1
Plymouth	86	130	84	69	57	85	45	56	45	75	116	5	3	9	3	1	2	0	7	1	0	1
Pocahontas	34	41	19	22	32	0	2	12	17	22	7	3	4	1	0	0	0	0	0	2	3	0
Polk	873	1038	945	1159	1699	1466	1312	1036	1165	1179	1630	31	47	41	62	70	54	78	53	44	39	49
Pottawattamie	759	681	506	407	434	356	324	419	340	540	700	132	105	58	32	36	50	30	35	39	55	59
Poweshiek	42	21	10	29	75	37	54	37	54	70	65	0	0	0	0	4	1	2	4	2	1	2
Ringgold	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	40	15	12	20	15	17	9	10	27	23	22	3	1	0	0	0	1	0	0	1	0	0
Scott	627	808	770	717	768	790	685	643	591	714	1008	157	158	101	96	93	81	91	102	73	110	116
Shelby	70	67	66	31	28	47	66	30	68	61	56	2	2	0	4	0	1	0	1	4	0	0
Sioux	156	74	121	79	49	70	35	36	38	38	41	4	0	0	0	0	2	1	2	0	0	1
Story	421	366	327	366	311	243	214	217	275	340	326	13	22	12	10	7	6	5	10	8	7	7
Tama	89	130	98	67	66	90	38	60	53	52	83	9	16	4	1	1	3	1	1	4	1	1
Taylor	0	7	11	7	10	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Union	33	58	41	50	26	37	40	42	27	48	47	1	3	3	2	1	0	2	0	2	4	1
Van Buren	43	19	25	5	14	20	11	6	5	0	1	1	0	0	0	0	0	0	0	0	0	0
Wapello	172	165	219	189	181	175	184	190	119	211	172	32	32	20	15	23	7	12	15	8	14	12
Warren	209	258	207	167	222	186	155	167	197	168	89	5	20	3	4	5	10	8	2	1	2	2
Washington	10	3	14	25	64	20	46	38	160	84	23	0	1	6	0	0	0	5	5	2	1	2
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	294	194	215	211	211	219	185	219	339	409	182	42	69	70	76	52	50	55	48	41	37	36
Winnebago	63	55	40	47	36	19	39	33	30	49	89	3	2	4	0	4	0	3	1	0	1	0
Winneshiek	110	105	141	133	150	84	102	140	123	147	173	4	4	7	8	1	1	3	11	4	4	1
Woodbury	1112	1138	926	715	1139	1112	1041	908	870	960	1022	215	163	128	44	69	89	68	80	65	77	66
Worth	15	20	16	27	9	10	13	15	11	24	54	3	0	1	0	1	0	1	1	0	1	0
Wright	45	33	49	33	49	44	28	8	36	80	95	1	1	0	3	0	0	2	0	1	0	2
State of Iowa	14465	13907	12815	12379	13330	11680	11584	11180	11781	13469	14806	1739	1492	1216	975	944	893	911	885	773	836	857

Table 5. Selected Juvenile Part II Arrests (Vandalism, Driving Under the Influence) in Iowa Counties, 1980-1990.

County	Vandalism											Driving Under the Influence										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	3	0	5	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0	0	0	0
Adams	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Allamakee	7	10	5	2	9	9	11	15	5	5	13	1	2	1	2	2	0	3	1	1	0	0
Appanoose	9	5	13	7	4	6	15	13	11	10	16	4	1	3	9	4	0	2	2	6	2	2
Audubon	0	1	5	2	3	0	4	1	4	3	9	0	0	0	1	1	1	0	0	0	0	1
Benton	11	19	11	3	11	17	10	14	7	13	15	1	8	1	5	4	4	7	8	6	8	3
Black Hawk	95	57	53	64	53	52	57	66	94	68	32	12	15	9	13	23	5	5	14	22	11	18
Boone	6	6	2	15	5	18	4	7	2	5	8	1	3	5	7	6	7	7	3	3	4	9
Bremer	18	2	1	11	2	26	19	21	13	7	0	0	1	2	2	6	5	7	3	1	3	3
Buchanan	10	14	12	9	5	23	6	10	2	0	0	4	1	2	3	4	8	3	3	5	3	2
Buena Vista	8	20	4	11	1	10	15	1	0	5	6	3	4	4	4	3	0	0	0	1	2	3
Butler	1	0	0	0	2	0	4	2	0	0	4	1	1	0	0	0	1	1	1	1	0	0
Calhoun	0	0	1	1	11	0	0	0	5	2	0	0	0	1	1	0	4	2	2	0	0	0
Carroll	22	14	16	7	20	24	11	17	9	20	21	3	1	4	5	9	0	6	5	3	2	0
Cass	3	0	0	7	8	28	11	22	28	4	12	3	3	4	5	1	6	0	1	3	1	1
Cedar	8	0	4	1	0	0	0	0	0	0	2	4	2	6	6	6	1	5	0	0	0	2
Cerro Gordo	65	54	28	15	36	34	8	1	6	14	17	12	6	11	10	9	10	6	5	9	5	10
Cherokee	11	2	15	5	10	8	5	5	9	18	15	2	2	2	3	1	1	1	3	1	1	1
Chickasaw	16	8	9	11	6	9	5	3	2	5	11	4	1	2	5	8	6	1	1	1	1	1
Clarke	6	1	3	0	0	0	3	10	7	14	9	1	1	0	2	1	0	3	0	2	1	1
Clay	10	12	10	5	3	1	9	1	0	3	7	4	0	3	3	1	3	2	3	3	2	0
Clayton	0	2	0	2	10	0	0	8	7	11	0	1	1	0	0	1	0	1	2	1	1	0
Clinton	43	40	63	54	45	38	30	45	37	50	33	2	5	6	3	6	7	4	4	5	2	4
Crawford	18	9	4	10	12	25	15	6	4	5	3	4	3	6	3	6	0	0	0	1	1	0
Dallas	15	6	7	0	2	15	9	10	7	8	7	3	4	2	5	7	1	1	3	6	9	1
Davis	2	5	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Decatur	3	1	1	2	2	0	7	10	0	3	1	1	1	0	0	1	1	0	1	2	0	1
Delaware	5	5	13	12	9	11	14	1	1	12	13	0	1	2	3	0	0	5	3	2	1	3
Des Moines	49	38	63	49	35	42	30	27	22	24	19	6	2	3	0	3	3	7	3	4	7	2
Dickinson	0	0	0	0	2	6	0	0	0	4	4	0	0	1	1	0	1	0	5	4	2	6
Dubuque	62	51	40	61	65	55	33	38	40	66	80	11	8	16	17	20	16	20	18	13	29	26
Emmet	8	21	20	10	6	13	13	4	1	0	1	2	2	1	2	1	0	0	1	3	3	3
Fayette	1	6	1	13	7	0	3	0	0	0	0	7	0	4	3	2	4	6	3	2	2	0

Table 5. Selected Juvenile Part II Arrests (Vandalism, Driving Under the Influence) in Iowa Counties, 1980-1990 (continued).

County	Vandalism											Driving Under the Influence										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	9	6	0	3	0	0	0	4	1	5	3	1	1	0	0	1	3	5	3	1	0	0
Franklin	16	21	7	8	12	2	6	0	2	9	2	4	4	1	2	5	2	1	2	1	0	3
Fremont	5	1	6	5	0	0	13	0	0	0	1	0	2	0	0	2	2	0	2	1	2	3
Greene	4	2	5	4	2	0	0	3	0	0	1	3	1	1	1	3	2	2	4	1	0	0
Grundy	5	12	12	10	3	6	10	6	8	2	10	0	1	1	1	2	4	1	3	4	1	3
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
Hamilton	12	19	7	26	0	5	2	3	5	2	0	2	2	1	2	1	2	0	0	0	1	1
Hancock	8	9	27	6	1	5	5	2	3	15	3	1	0	0	0	0	1	2	1	1	1	0
Hardin	8	3	6	12	8	2	2	8	7	13	8	1	3	4	3	0	1	3	6	3	2	4
Harrison	0	0	0	0	1	0	0	0	4	1	1	0	0	0	1	4	1	3	4	0	2	0
Henry	13	14	1	3	9	9	2	2	6	9	7	1	3	0	1	1	0	1	0	0	1	1
Howard	2	9	0	4	6	0	5	22	5	10	4	1	0	2	1	2	2	4	4	3	0	1
Humboldt	4	0	2	0	9	7	1	3	1	0	0	1	1	1	1	2	1	1	0	1	0	2
Ida	7	6	4	4	1	1	6	0	3	3	5	4	0	0	1	1	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	2	7	3	4	4	7
Jackson	7	7	9	3	14	6	4	7	6	1	2	1	2	3	4	2	1	0	0	0	1	0
Jasper	19	13	22	20	13	17	20	45	25	9	16	6	1	2	1	2	3	3	1	0	2	1
Jefferson	4	1	2	0	0	0	0	0	0	0	9	1	0	1	0	0	0	0	0	1	1	0
Johnson	5	14	17	28	15	32	35	28	34	26	31	12	14	7	4	5	7	10	15	14	8	8
Jones	2	1	4	0	5	6	4	6	6	0	5	0	0	1	2	1	1	0	1	0	0	0
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Kossuth	0	1	0	0	5	1	3	3	8	5	6	0	6	3	5	3	2	6	1	2	1	0
Lee	33	40	45	32	45	35	30	20	19	22	25	3	7	4	5	6	3	1	4	1	0	0
Linn	348	104	96	120	124	116	165	210	151	164	170	35	27	31	21	35	40	34	25	18	30	35
Louisa	0	0	6	4	0	2	4	0	17	0	7	0	1	0	1	0	0	0	0	2	0	0
Lucas	6	17	6	30	3	12	26	0	1	5	1	1	1	1	2	2	1	0	0	0	2	0
Lyon	12	8	5	3	3	6	1	12	5	1	3	1	2	2	2	0	2	0	0	0	0	1
Madison	0	13	10	4	7	8	7	0	5	0	3	0	3	0	0	2	1	0	0	0	0	1
Mahaska	20	20	12	28	12	13	39	34	6	7	14	0	0	0	3	4	4	2	0	3	0	1
Marion	16	16	5	2	6	7	6	9	13	7	32	5	5	8	4	11	7	9	8	3	1	1
Marshall	33	41	48	50	45	49	23	40	33	59	73	6	10	2	3	6	3	2	3	7	4	6
Mills	3	3	0	1	12	6	6	2	6	7	20	0	0	0	2	1	1	1	0	1	0	1
Mitchell	9	3	2	3	14	24	3	3	7	13	11	1	2	1	2	3	0	0	2	1	1	0

Table 5. Selected Juvenile Part II Arrests (Vandalism, Driving Under the Influence) in Iowa Counties, 1980-1990 (continued).

County	Vandalism											Driving Under the Influence										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	1	0	4	0	0	0	0	0	0	4	0	1	0	1	0	1	1	0	1	0	0	0
Monroe	5	0	0	0	3	0	0	4	1	6	0	1	3	1	0	0	2	0	0	0	1	0
Montgomery	15	10	12	13	15	9	2	2	0	2	0	4	1	2	5	1	2	1	1	0	0	2
Muscatine	13	30	11	17	9	15	13	13	9	14	7	2	6	3	5	5	7	8	5	2	2	1
O'Brien	3	4	15	9	4	4	12	7	3	4	10	5	2	2	2	1	1	1	0	0	1	
Osceola	4	0	0	3	2	0	2	0	0	0	0	3	2	2	11	3	3	1	2	0	1	3
Page	5	7	9	6	2	4	5	15	10	4	7	1	2	3	0	1	0	0	1	1	0	
Palo Alto	7	6	4	0	16	3	5	1	1	6	5	1	2	1	1	0	2	1	0	0	0	0
Plymouth	10	30	5	4	8	11	4	7	3	5	11	3	1	0	4	1	1	0	0	1	0	
Pocahontas	1	5	0	7	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Polk	96	140	118	150	171	164	195	145	184	152	145	20	23	17	27	31	20	19	10	28	23	42
Pottawattamie	71	91	71	38	58	50	39	38	33	46	75	7	6	8	7	7	8	8	16	16	18	24
Poweshiek	0	0	0	0	6	4	2	3	5	4	0	2	3	1	9	1	2	1	2	0	1	0
Ringgold	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	7	1	0	0	8	4	1	1	0	1	0	1	2	0	2	1	0	0	1	2	1	
Scott	125	170	115	101	119	151	63	84	91	115	155	14	16	11	16	21	21	18	20	22	13	29
Shelby	2	10	0	4	2	0	4	2	5	3	5	1	3	3	2	1	1	1	1	0	0	0
Sioux	18	13	23	12	19	13	17	5	4	10	16	9	3	3	5	1	2	0	2	0	1	0
Story	35	32	11	19	22	18	26	18	7	25	29	6	5	4	7	10	3	5	3	4	2	3
Tama	21	8	12	6	17	7	0	5	7	1	4	4	9	0	2	5	1	2	1	2	3	1
Taylor	0	0	3	0	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0
Union	4	10	0	0	3	10	8	7	2	11	4	1	2	2	2	1	1	0	0	0	2	0
Van Buren	9	1	2	0	0	8	2	0	2	0	0	0	0	2	0	1	1	1	0	0	0	0
Wapello	56	28	21	17	22	17	20	29	22	20	32	2	4	9	16	8	6	5	4	2	4	2
Warren	17	20	4	9	10	5	16	13	22	3	7	6	8	6	14	16	6	5	4	7	7	0
Washington	1	0	0	0	1	0	1	1	5	0	3	5	0	0	6	6	2	8	4	3	1	3
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	27	13	20	39	28	31	17	26	30	25	11	4	5	4	2	10	5	11	12	4	1	0
Winnebago	23	6	13	18	6	4	10	10	8	7	18	2	0	1	2	1	0	1	0	0	1	1
Winneshiek	10	10	13	7	22	20	32	23	4	7	8	2	3	2	7	7	8	5	3	1	0	1
Woodbury	138	180	149	92	123	138	157	180	128	148	182	17	15	23	17	17	14	15	9	14	12	25
Worth	0	0	0	0	0	0	0	0	0	0	13	1	2	0	0	0	0	1	0	1	0	2
Wright	10	0	0	9	1	17	0	0	7	1	8	1	1	9	1	2	1	0	1	2	3	4
State of Iowa	1859	1638	1412	1384	1458	1559	1432	1469	1303	1399	1588	316	308	301	374	411	315	326	294	296	270	329

Table 6. Selected Juvenile Part II Arrests (Liquor Laws, Drunkenness) in Iowa Counties, 1980-1990.

County	Liquor Laws											Drunkenness										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	9	9	10	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4
Adams	0	0	2	1	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	1	0	0
Allamakee	17	15	37	38	10	8	26	44	46	39	23	6	0	3	5	1	2	2	1	0	5	2
Appanoose	27	24	33	40	18	13	43	38	25	46	49	4	4	2	4	7	3	5	6	4	8	6
Audubon	0	0	0	0	1	5	2	2	9	0	3	1	0	0	0	0	1	0	0	1	0	
Benton	18	0	0	5	6	8	2	12	11	15	17	5	2	12	8	9	10	22	14	4	12	18
Black Hawk	50	49	29	30	59	45	37	23	52	150	157	7	20	14	16	33	23	17	25	32	54	51
Boone	45	45	20	51	26	38	15	36	41	46	77	15	6	8	2	16	3	6	17	5	16	13
Bremer	30	24	34	17	31	13	6	6	10	5	0	10	4	11	10	9	14	6	5	9	4	1
Buchanan	10	27	17	16	6	25	6	13	36	7	3	5	2	1	2	3	9	3	3	3	2	2
Buena Vista	74	71	43	25	43	20	35	54	17	36	37	5	5	1	7	6	14	4	2	0	3	6
Butler	14	20	0	0	0	0	5	1	0	1	0	0	0	1	0	1	0	0	0	1	3	
Calhoun	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	3	1	0	0	0	0	
Carroll	62	67	58	41	38	52	90	135	146	120	122	1	2	1	1	1	10	4	4	2	2	0
Cass	8	10	21	49	15	10	17	33	34	32	31	1	2	0	3	3	2	2	0	0	1	1
Cedar	20	15	18	34	57	2	20	8	4	12	2	5	1	1	4	1	0	4	0	0	0	0
Cerro Gordo	67	117	101	58	19	10	42	12	17	24	48	6	18	7	8	15	4	7	11	3	2	10
Cherokee	33	13	8	14	14	17	15	31	10	17	20	2	1	2	2	7	0	1	7	2	2	
Chickasaw	26	27	27	44	13	30	42	35	20	22	36	3	2	4	5	17	8	4	2	4	3	4
Clarke	15	0	2	8	7	4	16	15	19	7	6	0	0	2	5	0	1	0	4	3	3	
Clay	16	15	29	35	19	52	69	28	77	42	48	2	3	6	7	11	8	9	6	14	2	5
Clayton	6	2	15	6	4	7	2	0	5	1	0	0	1	5	1	1	0	1	0	0	1	1
Clinton	77	107	133	127	159	116	94	116	82	143	96	20	11	26	23	41	23	11	25	18	21	27
Crawford	80	35	14	21	41	16	30	11	20	15	67	4	3	7	5	8	6	8	1	1	2	0
Dallas	17	39	15	20	33	42	16	19	25	49	51	1	1	3	4	7	1	2	6	11	4	5
Davis	0	0	0	1	0	0	2	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0
Decatur	3	4	0	7	0	0	1	1	1	25	15	0	0	0	0	0	0	3	1	4	3	
Delaware	43	16	14	21	9	6	6	6	13	31	27	3	2	2	2	5	6	3	4	0	3	3
Des Moines	68	74	59	32	75	49	30	28	40	61	51	15	4	10	12	10	13	17	13	13	14	12
Dickinson	18	25	26	42	27	10	24	9	23	41	23	2	2	0	1	2	4	6	5	2	4	3
Dubuque	273	173	200	237	263	150	147	147	159	121	112	57	42	55	57	73	48	49	45	56	43	53
Emmet	35	47	44	34	12	4	32	20	40	25	49	2	3	2	3	4	3	0	1	25	1	3
Fayette	38	27	36	31	33	23	37	64	43	44	24	8	4	2	5	6	3	3	3	1	11	1

Table 6. Selected Juvenile Part II Arrests (Liquor Laws, Drunkenness) in Iowa Counties, 1980-1990 (continued).

County	Liquor Laws											Drunkenness										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	3	11	4	2	13	13	28	29	44	45	45	0	5	1	0	6	8	13	12	7	5	3
Franklin	27	11	18	27	8	15	8	7	5	7	1	4	5	5	11	13	5	3	4	2	7	1
Fremont	7	1	4	1	1	0	0	11	0	6	0	6	1	5	2	2	3	2	0	2	4	1
Greene	14	47	36	27	41	19	31	7	9	3	2	6	0	0	6	7	1	1	4	0	1	1
Grundy	19	19	9	25	13	22	17	3	7	22	8	1	4	4	6	5	5	1	5	17	5	14
Guthrie	0	0	0	0	0	1	0	0	1	0	6	0	0	0	0	1	0	0	2	5	3	
Hamilton	35	39	74	28	9	13	15	6	11	5	12	3	1	1	3	4	3	4	3	4	3	7
Hancock	8	5	3	9	4	6	3	4	4	8	10	2	0	0	0	2	0	1	1	2	0	
Hardin	52	56	56	67	29	29	39	29	45	104	63	1	1	1	1	0	0	0	5	1	4	8
Harrison	2	11	12	14	9	8	26	9	9	39	20	2	0	1	0	1	0	0	2	0	4	
Henry	30	67	6	24	14	11	12	12	18	13	1	10	1	2	1	3	0	0	1	5	2	0
Howard	40	35	43	11	10	27	12	20	17	13	9	0	1	4	3	2	5	13	3	2	0	3
Humboldt	8	10	3	5	16	10	1	3	7	10	3	5	0	0	0	1	2	0	2	3	1	5
Ida	6	0	1	0	0	0	0	1	2	0	0	1	0	0	0	0	0	2	0	0	0	
Iowa	3	0	0	0	0	0	2	0	4	2	9	2	0	0	3	6	0	3	9	2	6	7
Jackson	20	39	43	57	18	67	20	11	10	35	64	1	7	8	2	1	2	2	0	1	2	1
Jasper	42	26	40	38	10	9	21	34	35	37	45	11	1	3	1	2	1	8	6	8	7	18
Jefferson	42	38	10	7	30	15	48	25	35	33	38	2	4	3	0	0	0	0	0	1	1	
Johnson	111	126	70	96	70	37	66	60	86	64	56	20	27	25	14	14	12	20	10	26	9	20
Jones	16	6	0	5	57	19	11	10	5	25	18	4	1	0	1	2	1	4	0	1	3	0
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Kossuth	20	46	37	34	74	18	34	18	22	41	15	2	3	1	7	5	3	1	1	4	2	0
Lee	32	62	41	57	49	68	62	53	60	38	58	8	6	7	11	11	4	12	4	18	13	16
Linn	80	65	49	70	84	78	46	21	6	8	13	37	21	35	25	41	69	59	57	55	75	61
Louisa	20	6	20	27	27	17	27	64	16	16	10	3	0	0	0	1	1	0	2	1	0	
Lucas	2	1	1	0	0	0	0	0	0	1	0	2	0	1	6	0	1	5	0	3	2	1
Lyon	26	22	15	33	29	11	41	35	13	19	8	0	1	0	1	2	0	0	2	0	1	
Madison	16	5	2	6	0	7	6	3	1	7	5	5	3	0	1	2	4	0	1	0	3	2
Mahaska	19	21	18	18	19	8	10	3	13	27	17	1	1	0	3	3	3	0	6	2	4	4
Marion	82	88	81	79	69	43	42	41	69	91	61	13	3	10	6	8	4	6	19	5	9	6
Marshall	65	105	61	51	27	24	15	15	34	59	74	22	14	9	3	9	4	7	12	17	16	30
Mills	17	0	0	0	2	2	0	0	2	6	8	2	2	2	0	1	2	1	2	7	0	4
Mitchell	8	14	20	8	36	34	5	9	28	44	41	0	0	0	1	3	3	0	2	3	0	1

Table 6. Selected Juvenile Part II Arrests (Liquor Laws, Drunkenness) in Iowa Counties, 1980-1990 (continued).

County	Liquor Laws											Drunkenness										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	13	31	5	2	0	0	0	0	5	1	0	1	0	0	4	8	3	0	0	1	6	0
Monroe	19	4	9	0	3	1	1	0	1	1	1	3	2	0	0	2	0	0	2	2	1	0
Montgomery	7	12	5	6	32	13	29	19	36	20	3	1	0	1	0	1	1	0	1	2	1	
Muscatine	45	84	84	58	33	39	53	18	31	15	40	8	7	2	5	13	4	4	5	9	4	3
O'Brien	47	48	13	22	19	22	9	12	18	21	56	2	1	3	7	2	2	0	2	0	1	5
Osceola	17	0	7	50	30	40	36	10	36	33	23	2	0	2	2	2	1	4	2	0	1	0
Page	48	32	29	33	53	25	35	16	30	13	21	15	20	18	19	4	1	7	4	2	13	20
Palo Alto	24	11	13	21	34	10	14	15	24	8	13	4	1	1	2	3	1	2	4	0	2	1
Plymouth	45	60	54	38	31	41	29	25	31	37	37	2	3	1	9	4	1	0	3	0	0	4
Pocahontas	22	21	10	10	13	0	1	10	7	9	1	1	1	0	0	0	0	1	0	0	0	0
Polk	233	218	195	199	400	379	292	246	293	319	457	43	61	51	55	173	141	114	109	159	125	207
Pottawattamie	86	63	60	25	82	13	3	16	35	36	71	12	2	4	8	17	5	12	25	22	33	55
Poweshiek	34	11	3	10	27	12	22	12	10	32	32	2	1	4	1	1	2	1	0	2	3	
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	14	8	8	13	2	6	3	3	13	8	7	1	3	2	1	1	0	2	1	1	2	0
Scott	99	129	109	173	210	166	168	120	81	35	112	8	17	12	49	29	20	12	20	15	12	34
Shelby	36	5	10	7	1	12	17	5	30	25	28	3	1	2	0	0	2	0	1	6	0	0
Sioux	81	49	86	47	20	37	11	22	22	13	14	13	1	0	1	0	0	1	1	0	0	
Story	90	96	122	179	85	45	33	15	44	55	104	15	14	15	19	19	15	15	6	17	27	28
Tama	41	83	62	34	29	66	25	39	29	35	28	9	5	5	19	2	3	4	7	2	4	7
Taylor	0	5	2	3	6	0	0	0	0	0	0	0	0	3	2	1	0	0	0	0	0	0
Union	27	27	28	27	8	5	8	19	6	5	17	0	4	0	3	1	0	0	0	2	2	0
Van Buren	27	10	5	0	1	1	0	3	0	0	0	1	0	3	0	4	0	4	1	0	0	0
Wapello	31	25	51	51	37	60	45	14	9	17	3	18	12	15	12	11	11	17	25	6	10	18
Warren	50	48	53	42	44	40	28	16	43	24	40	9	8	12	6	29	21	19	57	37	42	16
Washington	0	0	0	0	4	0	0	6	38	15	0	0	1	5	5	14	5	0	2	4	1	0
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	108	13	43	11	52	11	16	52	134	217	37	0	8	5	5	6	5	12	6	18	22	16
Winnebago	17	25	12	18	18	7	18	11	11	23	46	0	0	0	1	3	0	1	0	0	1	0
Winneshiek	68	64	94	63	60	37	29	67	93	101	104	5	4	2	9	9	2	2	6	1	1	6
Woodbury	205	246	131	141	125	78	66	77	96	80	103	39	52	66	31	58	63	38	32	30	34	56
Worth	8	9	8	18	2	9	10	5	8	17	30	0	2	1	0	0	0	0	1	0	1	1
Wright	26	21	28	12	6	5	1	3	18	48	33	3	4	0	4	5	6	0	1	0	3	9
State of Iowa	3639	3538	3161	3224	3278	2586	2559	2366	2875	3270	3375	588	494	555	602	866	692	637	699	762	776	957

Table 7. Selected Juvenile Part II Arrests (Disorderly Conduct, Curfew/Loitering) in Iowa Counties, 1980-1990.

County	Disorderly Conduct											Curfew/Loitering										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	1	1	2	2	0	0	0	0	0	0	0	4	0	5	12	7	12	13	29	20	8	22
Appanoose	7	3	7	5	4	2	2	5	7	15	8	16	23	29	47	46	51	46	62	9	118	75
Audubon	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	5	0	5	
Benton	1	0	1	5	1	0	0	0	6	2	2	0	0	0	0	0	0	0	0	2	9	
Black Hawk	25	45	19	23	19	13	7	19	15	52	26	0	0	0	0	0	0	3	2	0	0	
Boone	4	6	6	3	0	11	1	8	4	3	5	4	8	10	5	6	4	6	8	8	6	7
Bremer	5	7	0	0	1	12	3	5	1	0	1	0	2	0	0	0	2	6	0	0	0	
Buchanan	1	4	4	3	10	12	7	3	15	13	18	3	4	22	11	26	12	16	21	12	1	4
Buena Vista	4	2	1	1	1	0	2	0	0	0	2	0	3	0	0	0	0	0	0	0	0	
Butler	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	
Calhoun	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	
Carroll	1	6	4	0	1	1	1	6	0	3	4	20	23	10	11	1	12	10	16	20	17	30
Cass	0	0	2	0	1	2	2	3	0	0	2	3	2	4	0	0	0	0	7	0	0	
Cedar	0	0	0	0	1	0	0	4	2	0	1	0	0	0	0	0	0	0	0	0	0	
Cerro Gordo	18	20	9	8	1	2	9	4	1	4	4	3	0	0	0	2	0	0	0	0	0	
Cherokee	3	5	6	0	0	0	0	1	1	4	2	0	0	0	0	0	0	0	0	0	0	
Chickasaw	0	1	2	0	0	6	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	
Clarke	1	0	1	0	1	0	0	1	4	3	10	0	0	0	0	0	0	0	0	0	0	
Clay	8	6	1	2	2	3	3	0	2	3	1	0	0	0	2	1	0	0	12	0	0	
Clayton	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	
Clinton	21	33	18	36	47	33	58	48	47	84	95	135	117	131	112	245	158	230	182	167	200	252
Crawford	8	2	4	6	5	12	3	1	5	5	4	0	0	0	0	0	0	0	0	0	0	
Dallas	1	1	4	0	1	0	2	2	4	7	5	0	0	0	0	0	3	0	0	1	2	
Davis	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Decatur	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
Delaware	2	1	1	1	4	1	2	1	3	1	1	4	0	0	2	0	0	0	0	10	5	3
Des Moines	34	23	8	9	3	4	10	2	13	7	4	0	4	6	5	11	6	0	0	0	0	5
Dickinson	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	2	0
Dubuque	50	14	4	5	4	3	6	0	5	8	8	0	0	0	0	0	0	0	0	0	0	
Emmet	4	0	2	5	7	0	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	
Fayette	4	6	16	8	3	3	27	21	26	21	40	0	0	0	0	0	0	0	0	0	0	84

Table 7. Selected Juvenile Part II Arrests (Disorderly Conduct, Curfew/Loitering) in Iowa Counties, 1980-1990 (continued).

County	Disorderly Conduct											Curfew/Loitering										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	0	2	3	0	5	2	4	8	14	8	0	0	1	0	0	0	4	8	0	0	4
Franklin	10	5	5	1	1	4	0	3	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Fremont	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	10	0	0
Greene	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	3	0	0	
Grundy	0	0	0	0	1	0	2	1	0	0	0	0	0	2	0	0	0	0	0	1	0	
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hamilton	3	5	3	0	0	0	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0	
Hancock	0	0	0	2	0	0	0	0	0	3	0	0	0	5	3	0	0	0	0	0	0	
Hardin	0	2	1	1	0	1	3	4	2	0	0	1	0	8	25	62	12	6	0	9	5	17
Harrison	1	0	0	0	0	2	0	0	0	0	0	4	12	3	10	2	1	10	3	5	9	9
Henry	6	6	9	11	4	0	2	0	6	4	0	3	5	4	2	2	1	1	7	11	0	6
Howard	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0
Humboldt	0	0	0	0	1	0	1	4	0	0	0	0	0	0	0	1	0	0	0	1	0	
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	
Iowa	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	
Jackson	5	2	2	5	1	3	0	3	3	1	3	14	31	11	12	21	18	2	9	5	2	29
Jasper	8	5	3	2	9	2	3	10	2	34	32	88	23	9	11	26	2	13	6	12	19	33
Jefferson	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnson	16	12	10	13	10	16	18	24	14	13	3	0	0	5	0	11	3	4	3	1	4	12
Jones	3	2	0	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kossuth	0	1	1	0	2	0	1	3	0	0	0	5	4	5	7	4	4	0	4	11	0	0
Lee	19	10	8	14	11	14	29	11	7	6	10	12	38	3	36	44	20	36	18	26	25	7
Linn	54	42	44	31	41	41	21	1	4	3	2	0	0	0	1	4	0	0	0	0	0	0
Louisa	1	2	3	1	0	0	2	4	0	1	1	8	0	0	0	0	0	8	0	0	0	4
Lucas	1	5	11	1	1	9	3	6	0	3	2	0	0	1	0	0	4	0	2	0	0	4
Lyon	0	3	0	0	0	3	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0
Madison	0	2	0	0	0	0	2	0	0	0	0	4	3	12	19	10	0	0	0	0	0	0
Mahaska	10	0	7	4	10	12	13	26	15	30	13	24	9	27	10	17	18	15	15	20	35	24
Marion	6	9	8	11	17	10	14	8	5	1	1	2	1	3	8	1	3	3	1	2	1	3
Marshall	7	17	19	9	8	12	9	14	10	7	27	78	177	72	35	33	16	25	50	44	102	94
Mills	2	0	1	2	3	1	0	0	0	0	2	2	8	4	4	10	2	12	3	4	8	24
Mitchell	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1

Table 7. Selected Juvenile Part II Arrests (Disorderly Conduct, Curfew/Loitering) in Iowa Counties, 1980-1990 (continued).

County	Disorderly Conduct											Curfew/Loitering										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1
Monroe	10	0	2	0	0	0	0	2	0	0	0	1	2	0	0	0	0	1	0	1	2	
Montgomery	2	1	4	3	0	0	3	10	6	0	2	0	10	0	1	4	2	5	2	3	0	1
Muscatine	31	40	12	13	9	6	12	20	21	12	12	41	89	47	38	32	12	26	34	31	19	37
O'Brien	0	0	7	0	1	0	0	0	1	0	0	0	0	0	9	2	0	1	0	0	0	6
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	19	13	1	5	3	1	3	9	6	2	4	28	2	0	2	0	0	0	0	0	0	3
Palo Alto	3	3	0	0	2	1	0	0	0	2	0	0	0	0	15	15	2	0	1	0	6	4
Plymouth	1	2	0	5	3	6	2	5	3	3	6	4	10	0	0	2	0	0	4	0	4	0
Pocahontas	1	2	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0
Polk	29	30	24	51	82	91	98	35	72	101	114	0	0	0	2	6	3	2	38	0	7	19
Pottawattamie	17	6	9	17	20	13	6	11	14	21	44	17	36	27	36	32	15	20	5	19	40	30
Poweshiek	0	0	0	0	11	0	0	0	0	2	0	0	0	0	4	9	1	8	4	20	8	18
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	0	0	2	2	0	0	1	0	0	0	0	1	4	0	0	5	9	7	2	
Scott	43	32	27	30	35	37	45	30	55	55	81	3	3	0	0	0	4	3	2	13	27	
Shelby	0	0	0	0	0	0	0	0	5	3	4	0	0	0	0	0	0	0	0	0	0	0
Sioux	5	4	1	2	0	4	2	0	0	0	5	17	0	0	3	0	0	4	2	0	0	
Story	0	3	5	0	0	2	6	2	12	7	1	0	1	0	0	0	0	0	0	0	0	0
Tama	0	1	1	0	1	0	2	0	0	0	4	0	0	0	0	0	1	1	0	5	12	
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	0	3	1	0	0	3	1	1	0	0	0	0	0	0	0	9	15	5	9	0	1	
Van Buren	0	2	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	6	7	8	10	9	2	11	8	3	16	9	0	8	9	6	8	10	10	5	4	17	10
Warren	5	10	2	1	1	0	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	4	0	8	2	0	0	0	0	0	0	0	7	49	21	1	
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	21	27	23	19	18	36	18	14	30	37	24	0	0	0	0	0	0	4	0	3	0	
Winnebago	0	0	1	0	0	0	0	1	0	8	0	2	0	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	0	1	3	5	6	6	3	3	2	0	0	4	5	28	1	0	1	0	10	
Woodbury	124	89	43	44	39	97	66	35	34	21	47	168	192	175	180	311	226	228	170	216	205	115
Worth	0	2	3	4	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	1	0	4	0	0	0	0	0	0	2	5	0	0	0	4	0	0	0	0	0	0	0
State of Iowa	679	598	440	439	483	563	566	454	516	674	721	722	852	678	694	1041	647	789	769	792	940	1070

Table 8. Selected Juvenile Part II Arrests (Runaways, Other) in Iowa Counties, 1980-1990.

County	Runaways											Other Part II Arrests*										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	2	1	0	0	1	0	0	3	0	4	16	1	1	1	0	1	0	0	1	3	1	2
Adams	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	1	0	
Allamakee	0	6	2	0	0	0	0	1	2	2	2	5	4	0	5	8	7	8	11	6	6	12
Appanoose	14	21	20	27	11	17	14	6	5	16	20	15	10	22	13	11	10	9	7	18	24	47
Audubon	0	0	1	0	0	0	0	0	0	7	1	4	1	0	1	3	3	8	1	3	2	
Benton	0	0	1	0	0	0	0	0	2	3	12	19	25	37	29	14	21	22	8	30	53	48
Black Hawk	0	0	0	0	0	0	2	4	12	102	93	108	114	101	79	99	72	71	85	147	177	264
Boone	13	10	9	2	10	3	10	13	13	17	5	29	15	27	19	14	27	29	24	34	49	45
Bremer	17	5	17	23	3	22	13	13	11	23	5	6	23	20	24	12	20	14	8	12	14	5
Buchanan	0	0	0	0	0	0	0	0	0	0	0	5	3	10	12	17	11	12	17	14	15	21
Buena Vista	0	0	0	0	0	0	1	0	1	3	0	25	25	7	7	19	15	7	4	7	7	17
Butler	0	0	0	0	0	0	3	1	0	0	1	0	2	4	1	4	0	2	0	0	4	1
Calhoun	0	0	0	0	0	0	2	0	0	0	1	4	1	2	0	1	4	0	0	3	5	3
Carroll	0	0	0	0	0	0	1	1	1	2	7	11	10	13	17	28	9	13	29	23	23	22
Cass	0	0	4	2	2	16	6	10	6	8	0	6	18	6	4	12	20	22	25	23	29	15
Cedar	2	0	0	0	0	0	0	0	0	0	0	5	1	0	4	11	10	4	3	2	1	5
Cerro Gordo	156	130	228	157	10	10	13	6	6	5	6	99	88	138	103	119	74	66	64	57	66	70
Cherokee	0	0	0	0	0	0	0	0	0	0	1	9	6	4	3	12	3	1	1	6	19	14
Chickasaw	0	0	0	0	3	0	0	0	0	2	5	12	8	6	10	15	14	2	4	38	5	6
Clarke	2	3	14	2	5	9	4	4	0	0	4	4	6	3	3	7	1	1	3	4	15	17
Clay	8	3	14	5	11	10	2	7	9	5	5	36	26	17	11	40	25	32	73	39	63	30
Clayton	0	0	0	0	0	0	0	0	0	4	0	1	3	5	4	2	2	5	0	1	9	4
Clinton	159	136	162	121	145	111	107	90	125	136	144	105	94	91	70	115	72	106	102	125	88	121
Crawford	49	6	7	0	0	3	5	1	1	7	14	9	8	26	20	8	10	2	13	9	12	5
Dallas	17	17	8	11	5	4	1	3	8	13	6	10	6	18	25	17	16	18	18	29	31	33
Davis	0	0	0	1	0	0	0	0	0	2	1	2	0	0	0	2	1	2	0	0	0	0
Decatur	46	34	35	8	0	5	2	2	0	0	5	8	8	14	1	1	1	2	0	1	3	11
Delaware	1	7	19	8	8	6	0	2	4	7	12	0	1	13	15	12	5	3	0	21	8	22
Des Moines	47	35	40	34	28	38	32	24	15	19	11	104	136	91	112	56	59	56	88	57	73	80
Dickinson	0	2	2	4	2	3	2	1	3	2	0	10	24	16	14	39	22	34	53	23	19	16
Dubuque	425	550	459	564	407	357	370	285	253	311	331	206	133	128	117	126	129	169	171	183	246	276
Emmet	0	0	1	0	2	2	2	1	1	4	0	8	12	10	21	16	8	6	13	12	3	14
Fayette	4	1	12	15	16	10	9	1	1	12	6	28	38	27	53	35	34	23	2	5	6	8

*This includes criminal murder, homicide and negligent manslaughter, forcible rape, and robbery.

Table 8. Selected Juvenile Part II Arrests (Runaways, Other) in Iowa Counties, 1980-1990 (continued).

County	Runaways											Other Part II Arrests*										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	0	0	0	0	0	0	3	0	1	2	15	13	16	12	9	23	14	11	22	28	39
Franklin	24	4	3	9	0	0	0	2	0	0	3	19	11	9	23	7	10	17	7	9	17	12
Fremont	1	0	8	2	1	3	4	5	6	1	5	6	3	19	5	3	7	8	1	7	0	4
Greene	0	0	0	0	0	3	0	0	0	0	0	6	6	3	5	3	1	3	4	6	4	2
Grundy	13	18	5	1	2	0	6	2	0	0	2	6	3	2	27	3	7	19	14	3	13	17
Guthrie	0	0	0	1	0	1	0	4	3	4	1	0	0	0	2	3	1	0	1	9	2	11
Hamilton	0	0	0	25	41	10	8	8	2	5	8	4	3	29	12	7	11	8	2	1	6	12
Hancock	1	0	4	0	0	0	0	0	4	8	0	8	3	2	1	0	5	0	2	3	16	10
Hardin	28	44	37	64	57	28	76	33	71	49	32	19	17	25	13	24	14	9	16	15	24	13
Harrison	1	1	0	1	3	4	6	3	2	0	1	1	0	0	11	9	2	5	6	9	11	7
Henry	0	9	11	0	2	1	1	0	0	1	0	23	13	9	3	22	7	14	13	19	15	13
Howard	2	1	4	5	4	2	0	1	0	0	5	2	1	8	10	7	9	1	5	11	4	15
Humboldt	0	0	0	1	0	3	0	0	0	0	4	3	10	9	13	8	7	2	11	10	7	6
Ida	3	0	0	0	0	0	1	0	0	0	0	5	0	2	8	6	0	6	0	3	6	5
Iowa	0	0	0	0	1	4	0	1	2	0	0	3	0	0	6	0	0	1	10	9	13	31
Jackson	0	0	0	7	0	0	1	2	1	6	0	14	8	10	17	6	2	1	8	4	5	21
Jasper	40	29	16	9	14	9	6	14	6	7	16	25	29	34	18	22	47	48	41	58	50	37
Jefferson	0	0	0	2	0	0	0	0	0	0	0	4	16	1	0	0	0	1	1	3	14	
Johnson	1	6	4	21	18	40	27	10	33	8	16	77	76	65	46	80	52	58	40	88	36	61
Jones	0	1	0	0	0	0	0	0	0	2	0	1	0	2	4	5	2	0	5	8	4	2
Keokuk	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	1	1	0
Kossuth	0	0	0	1	3	1	0	1	0	0	0	6	2	23	18	32	12	14	7	10	2	8
Lee	18	34	25	36	20	27	22	28	18	19	14	88	102	78	36	76	64	53	43	110	101	109
Linn	0	4	0	3	4	6	2	2	4	0	7	142	166	253	237	236	218	319	397	350	361	454
Louisa	12	16	23	17	18	9	6	13	13	16	8	9	5	10	12	9	4	6	11	16	14	4
Lucas	1	3	0	7	5	1	4	1	1	2	0	2	0	9	12	3	7	10	16	19	12	2
Lyon	1	2	0	0	0	1	1	0	1	0	5	0	4	5	2	3	1	6	2	11	6	7
Madison	1	2	2	6	2	4	0	1	2	2	0	7	7	1	7	12	9	5	3	6	5	8
Mahaska	50	27	33	21	17	32	14	9	1	6	8	32	16	9	11	13	19	20	27	22	20	26
Marion	23	16	14	13	20	24	8	5	4	11	7	22	13	1	15	6	16	7	8	11	22	14
Marshall	158	82	88	46	30	23	33	43	44	46	74	60	104	89	85	41	36	53	60	82	86	123
Mills	9	9	0	4	10	2	7	9	9	5	12	18	5	2	2	5	2	3	4	15	7	10
Mitchell	1	0	0	0	1	2	0	0	0	1	1	8	3	7	0	2	9	0	2	11	10	15

Table 8. Selected Juvenile Part II Arrests (Runaways, Other) in Iowa Counties, 1980-1990 (continued).

County	Runaways											Other Part II Arrests*										
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	0	0	0	0	0	0	0	0	3	1	0	5	9	4	2	7	2	9	1	0	4	3
Monroe	2	0	0	0	0	1	0	0	2	2	3	11	4	4	0	2	4	0	2	1	8	9
Montgomery	13	12	14	18	14	16	25	6	8	8	10	24	31	9	14	12	19	22	15	34	9	24
Muscatine	2	11	17	14	15	34	20	36	41	49	30	39	53	46	47	48	20	21	28	40	55	33
O'Brien	0	0	0	0	0	0	0	0	0	0	3	18	13	15	29	13	6	15	19	11	14	16
Osceola	0	1	0	0	0	0	0	0	0	0	0	1	2	12	0	0	4	1	2	1	0	0
Page	14	3	15	7	4	10	7	33	19	32	16	56	94	38	48	45	27	37	42	32	36	38
Palo Alto	2	4	0	0	3	0	5	0	0	2	2	8	3	6	3	10	2	8	7	5	6	4
Plymouth	8	20	14	4	3	11	2	4	2	19	23	8	1	1	2	4	12	8	1	5	6	34
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	3	8	8	5	16	0	1	1	8	8	6
Polk	264	323	303	406	433	283	165	127	103	123	162	157	196	196	207	333	331	349	273	282	290	435
Pottawattamie	247	223	210	181	111	150	149	160	93	140	179	170	149	59	63	71	52	57	113	69	151	163
Poweshiek	0	0	0	3	9	6	8	7	0	4	0	4	6	2	2	7	10	9	4	17	16	10
Ringgold	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Sac	0	0	0	0	0	0	0	0	0	0	0	14	0	1	0	1	4	3	0	1	3	12
Scott	14	47	31	41	68	96	88	68	55	55	78	164	236	364	211	193	218	196	196	197	306	376
Shelby	21	34	46	7	19	23	37	14	5	20	14	5	12	5	7	5	8	7	6	13	10	5
Sioux	3	1	0	0	2	0	0	0	1	2	1	6	3	8	9	7	12	4	0	8	12	4
Story	225	148	117	104	109	61	25	25	21	36	33	37	45	41	28	59	93	99	138	162	181	121
Tama	0	0	0	0	9	5	0	0	1	1	1	5	8	14	5	2	5	3	6	8	2	25
Taylor	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	0
Union	0	0	3	0	3	4	3	3	4	7	8	0	9	4	16	9	5	3	7	2	17	16
Van Buren	0	0	2	3	2	2	1	0	2	0	1	5	6	9	2	6	8	0	2	1	0	0
Wapello	4	33	46	36	21	14	25	26	20	45	36	23	16	40	26	42	48	39	64	45	68	50
Warren	88	83	78	52	72	83	38	32	49	69	1	29	61	46	39	45	21	40	40	38	21	23
Washington	0	0	3	9	31	5	7	7	42	26	10	4	1	0	5	8	8	21	6	9	17	4
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	1	0	0	0	0	2	0	6	8	15	9	91	59	50	59	45	79	56	51	74	52	49
Winnebago	4	12	7	3	0	2	2	3	3	3	6	12	10	2	5	4	6	4	7	8	5	18
Winneshiek	1	6	6	8	2	0	5	2	4	4	4	20	14	13	25	18	10	20	22	12	27	37
Woodbury	7	3	7	7	149	159	169	109	115	138	146	199	198	204	159	248	248	234	216	172	245	282
Worth	0	0	2	0	0	0	0	0	0	0	0	3	5	1	5	2	1	1	8	1	5	8
Wright	1	3	3	0	3	0	0	0	1	7	24	2	3	5	4	28	15	25	3	7	16	10
State of Iowa	2271	2242	2256	2189	2024	1835	1615	1348	1309	1724	1746	2652	2745	2796	2498	2825	2590	2749	2896	3155	3580	4163

Table 9. Part I and Part II Arrests Per 1,000 Juveniles and Numbers of Juveniles in Iowa Counties, 1980 and 1990.

County	Part I Arrests/1,000 Juveniles			Part II Arrests/1,000 Juveniles			Juveniles		
	1990 Arrest Rate	1980 Arrest Rate	Change 1980 to 1990	1990 Arrest Rate	1980 Arrest Rate	Change 1980 to 1990	1990	1980	Change 1980 to 1990
Adair	0.5	0.4	0.1	7.6	8.6	-1.0	2111	2548	-437
Adams	0.8	2.0	-1.2	0.0	2.0	-2.0	1189	1513	-324
Allamakee	6.1	4.1	2.0	12.7	16.3	-3.6	3774	4613	-839
Appanoose	19.7	13.6	6.1	30.1	53.0	-22.9	3458	4267	-809
Audubon	4.3	2.1	2.2	2.7	8.9	-6.2	1873	2361	-488
Benton	6.1	7.2	-1.1	10.5	19.4	-8.9	6219	7097	-878
Black Hawk	15.4	20.7	-5.3	15.1	18.6	-3.5	31402	39006	-7604
Boone	6.3	8.9	-2.6	20.9	25.4	-4.5	6169	6770	-601
Bremer	3.8	2.1	1.7	17.5	2.6	14.9	5762	7263	-1501
Buchanan	7.6	5.8	1.8	7.2	7.1	0.1	6419	7634	-1215
Buena Vista	9.7	5.9	3.8	24.7	13.1	11.6	5175	5416	-241
Butler	2.4	1.6	0.8	5.8	1.9	3.9	4149	5150	-1001
Calhoun	2.8	2.5	0.3	2.1	1.4	0.7	2889	3579	-690
Carroll	3.6	6.5	-2.9	21.9	28.6	-6.7	6359	7350	-991
Cass	9.8	6.9	2.9	6.4	15.3	-8.9	3880	4520	-640
Cedar	4.1	2.6	1.5	10.1	2.2	7.9	4633	5450	-817
Cerro Gordo	27.1	19.8	7.3	39.7	13.3	26.4	11570	12493	-923
Cherokee	5.2	7.7	-2.5	19.6	13.0	6.6	3827	4539	-712
Chickasaw	4.0	3.5	0.5	17.4	13.1	4.3	3737	4892	-1155
Clarke	11.5	6.8	4.7	14.8	30.8	-16.0	2168	2370	-202
Clay	17.3	4.8	12.5	18.1	17.6	0.5	4804	5572	-768
Clayton	2.1	6.9	-4.8	2.4	1.3	1.1	5322	6244	-922
Clinton	12.3	18.3	-6.0	45.5	46.1	-0.6	13619	17020	-3401
Crawford	10.8	2.6	8.2	39.2	16.0	23.2	4617	5802	-1185
Dallas	6.0	8.4	-2.4	8.8	12.7	-3.9	8286	8803	-517
Davis	4.0	0.8	3.2	1.8	0.4	1.4	2262	2620	-358
Decatur	5.7	7.6	-1.9	36.1	15.2	20.9	1941	2375	-434
Delaware	3.8	8.6	-4.8	10.8	13.4	-2.6	5540	6405	-865
Des Moines	16.3	10.2	6.1	33.3	14.2	19.1	10952	13071	-2119
Dickinson	3.4	6.5	-3.1	10.6	15.1	-4.5	3506	4176	-670
Dubuque	16.2	15.7	0.5	48.4	31.4	17.0	23401	29953	-6552
Emmet	13.0	8.6	4.4	20.5	18.9	1.6	3073	3856	-783
Fayette	6.6	11.1	-4.5	15.7	22.9	-7.2	5780	7464	-1684
Floyd	12.0	14.6	-2.6	6.8	19.5	-12.7	4425	5754	-1329
Franklin	9.6	4.9	4.7	37.6	6.9	30.7	2926	3500	-574
Fremont	7.0	2.7	4.3	14.0	5.5	8.5	2146	2559	-413
Greene	4.4	1.8	2.6	13.7	1.8	11.9	2486	3313	-827
Grundy	3.2	3.4	-0.2	14.3	13.7	0.6	3077	4102	-1025
Guthrie	0.0	0.0	0.0	0.0	6.9	-6.9	2723	3203	-480
Hamilton	6.6	6.1	0.5	17.9	8.3	9.6	4081	4912	-831
Hancock	2.5	2.2	0.3	8.4	6.4	2.0	3561	4054	-493
Hardin	9.8	9.0	0.8	24.5	25.0	-0.5	4775	5872	-1097
Harrison	0.3	2.1	-1.8	3.0	9.2	-6.2	3959	4765	-806
Henry	5.0	6.2	-1.2	19.8	5.5	14.3	4847	5123	-276
Howard	3.0	6.9	-3.9	18.6	11.9	6.7	2629	3185	-556
Humboldt	1.1	5.3	-4.2	7.7	5.9	1.8	2742	3366	-624
Ida	3.0	7.8	-4.8	11.6	4.1	7.5	2334	2425	-91
Iowa	1.9	9.2	-7.3	2.9	13.4	-10.5	3745	4257	-512
Jackson	5.4	4.0	1.4	13.5	17.1	-3.6	5565	7265	-1700
Jasper	6.5	9.2	-2.7	29.6	19.7	9.9	8912	10271	-1359

Table 9. Part I and Part II Arrests Per 1,000 Juveniles and Numbers of Juveniles in Iowa Counties, 1980 and 1990 (continued).

County	Part I Arrests/1,000 Juveniles			Part II Arrests/1,000 Juveniles			Juveniles		
	1990 Arrest Rate	1980 Arrest Rate	Change 1980 to 1990	1990 Arrest Rate	1980 Arrest Rate	Change 1980 to 1990	1990	1980	Change 1980 to 1990
Jefferson	15.0	6.2	8.8	14.0	16.0	-2.0	3987	4064	-77
Johnson	9.1	8.9	0.2	13.3	11.8	1.5	19347	17948	1399
Jones	1.6	1.2	0.4	5.4	4.2	1.2	4990	5993	-1003
Keokuk	0.0	0.0	0.0	0.3	0.9	-0.6	3021	3508	-487
Kossuth	4.6	2.6	2.0	6.7	4.5	2.2	5215	6652	-1437
Lee	14.5	11.8	2.7	25.0	20.8	4.2	9971	12140	-2169
Linn	15.4	20.3	-4.9	22.1	17.7	4.4	42430	49395	-6965
Louisa	4.1	8.1	-4.0	18.7	10.2	8.5	3162	3718	-556
Lucas	4.9	8.0	-3.1	10.7	4.0	6.7	2234	2759	-525
Lyon	6.4	2.0	4.4	11.9	7.0	4.9	3614	4013	-399
Madison	5.5	7.6	-2.1	10.5	5.2	5.3	3444	3678	-234
Mahaska	11.0	11.3	-0.3	30.0	18.6	11.4	5624	6029	-405
Marion	8.8	5.4	3.4	22.8	15.3	7.5	7684	8192	-508
Marshall	17.7	16.0	1.7	48.3	45.6	2.7	9598	11722	-2124
Mills	6.1	5.5	0.6	16.6	20.4	-3.8	3625	3971	-346
Mitchell	9.8	4.8	5.0	11.6	20.0	-8.4	2848	3551	-703
Monona	1.2	1.3	-0.1	8.6	1.3	7.3	2456	3062	-606
Monroe	7.3	8.8	-1.5	25.3	6.0	19.3	2059	2486	-427
Montgomery	8.4	6.3	2.1	26.6	12.4	14.2	2974	3468	-494
Muscatine	6.0	9.8	-3.8	18.9	14.3	4.6	11140	12480	-1340
O'Brien	7.5	10.5	-3.0	19.9	20.8	-0.9	4124	4669	-545
Osceola	2.0	0.0	2.0	13.6	10.8	2.8	1979	2408	-429
Page	13.8	8.7	5.1	48.9	23.2	25.7	4214	4953	-739
Palo Alto	11.2	0.8	10.4	17.9	8.2	9.7	2848	3648	-800
Plymouth	5.2	6.3	-1.1	12.7	15.5	-2.8	6792	7493	-701
Pocahontas	2.8	2.5	0.3	13.7	2.2	11.5	2478	3152	-674
Polk	5.9	10.9	-5.0	10.7	19.5	-8.8	81971	83422	-1451
Pottawattamie	19.7	18.7	1.0	33.7	26.6	7.1	22527	26346	-3819
Poweshiek	1.1	6.3	-5.2	9.0	12.8	-3.8	4663	5077	-414
Ringgold	0.0	2.0	-2.0	0.0	0.0	0.0	1298	1510	-212
Sac	0.6	3.9	-3.3	12.2	5.8	6.4	3278	3820	-542
Scott	23.5	17.2	6.3	14.9	20.4	-5.5	42187	49364	-7177
Shelby	7.0	3.9	3.1	19.5	12.2	7.3	3586	4585	-999
Sioux	2.8	2.4	0.4	17.4	4.3	13.1	8941	9508	-567
Story	6.6	11.9	-5.3	28.7	21.6	7.1	14680	15075	-395
Tama	7.3	10.8	-3.5	19.6	14.7	4.9	4548	5663	-1115
Taylor	6.0	0.0	6.0	0.0	0.0	0.0	1822	2148	-326
Union	4.6	2.9	1.7	10.0	12.3	-2.3	3292	3810	-518
Van Buren	6.9	2.9	4.0	21.3	0.4	20.9	2015	2434	-419
Wapello	10.9	11.1	-0.2	20.1	16.3	3.8	8568	10570	-2002
Warren	8.6	3.9	4.7	20.5	7.8	12.7	10186	11397	-1211
Washington	1.7	1.6	0.1	1.9	4.0	-2.1	5254	5788	-534
Wayne	0.0	0.0	0.0	0.0	0.0	0.0	1657	1976	-319
Webster	13.1	11.9	1.2	28.0	14.3	13.7	10483	12727	-2244
Winnebago	7.4	9.2	-1.8	20.4	25.7	-5.3	3090	3461	-371
Winneshiek	10.1	7.7	2.4	21.4	28.8	-7.4	5131	6012	-881
Woodbury	26.7	26.0	0.7	40.3	35.0	5.3	27579	29187	-1608
Worth	5.0	7.5	-2.5	7.6	22.5	-14.9	1982	2395	-413
Wright	3.4	6.9	-3.5	12.9	22.0	-9.1	3485	4328	-843
State of Iowa	10.7	11.1	-0.4	20.1	17.9	2.2	718880	825873	-106993

Part II Crimes

Crimes not included in the Part I category are labeled Part II crimes. Arrests of juveniles for Part II crimes totaled 14,465 in 1990, which was a slight decrease from the 1980 total of 14,806 (Table 4). These arrests declined considerably from 1980 to 1982, remained relatively stable through 1985, but returned to higher levels for the 1986-1990 period.

In 1990, seven counties (Clinton, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) had at least 500 arrests for Part II crimes. The 6,061 arrests for Part II crimes in these counties accounted for two of every five (41.9%) of these arrests in the state. Adams, Guthrie, Ringgold, Taylor, and Wayne reported no arrests of juveniles for Part II crimes in 1990, and Audubon, Calhoun, Davis, and Keokuk had fewer than 10 arrests. In 43 counties, Part II arrests were lower in 1990 than in 1980. Five (Appanoose, Black Hawk, Clinton, Polk, Scott) had decreases of at least 100. Four counties (Ringgold, Taylor, Wapello, Wayne) had the same totals in 1980 and 1990. Increases occurred in 52 counties; six (Cerro Gordo, Des Moines, Dubuque, Sioux, Warren, Webster) had at least 100 more arrests of juveniles for Part II crimes in 1990 than in 1980.

Individual Part II crimes for which at least 300 juvenile arrests were reported are included in Tables 4-8. Violations related to alcohol (driving under the influence, violations of liquor laws, drunkenness) accounted for 31.4% of the total arrests for Part II crimes in 1990; in 1980, these crimes constituted nearly the same percentage (31.5%) of all Part II arrests.

Fewer juvenile arrests were noted in 1990 than in 1980 for driving under the influence, drunkenness, disorderly conduct, curfew/loitering, and the residual category of other Part II arrests. But increases occurred in arrests for other assaults (those not classified as aggravated assaults, a Part I crime), vandalism, violations of liquor laws, and runaways. As with Part I crimes, arrests increased at a rate higher for other assaults (+103%) than for any other Part II crime. Percentage decline between 1980 and 1990 was greatest on drunkenness (-39%).

Recent Trends

Trends between 1988 and 1990 indicate an increase in total Part I arrests of juveniles; this increase has been occurring since 1987 for juveniles arrested for Part II crimes. Arrests for aggravated assault and other assaults have increased each year since 1985. After declining substantially from 1980 to 1987, arrests for motor vehicle theft soared to 1989 and remained relatively stable in 1990. Vandalism and disorderly conduct arrests also increased relatively rapidly between 1988 and 1990. These trends indicate that factors in addition to population change are at work in the numbers of arrests of juveniles for crimes committed in Iowa.

Arrest Rates

The census years, when the numbers of juveniles are counted, allow for the calculation of arrest rates. In Table 9, rates of arrests per 1,000 juveniles are noted for 1980 and 1990. In 1990, 10.7 arrests for Part I crimes were made for every 1,000 persons under the age of 18. That represents a decrease of 0.4 points from the 11.1 rate computed for 1980. For Part II arrests, the rate increased from 17.9 in 1980 to 20.1 in 1990.

Rates aid comparisons across counties; essentially, rates control for the differences in the numbers of juveniles living in each of the 99 counties. For example, Polk had relatively high numbers of arrests of juveniles in 1990, but it also had nearly twice as many juveniles as the county (Linn) with the next highest number under the age of 18. Indeed, Polk's arrest rates for both types of crimes were substantially below the state figures in 1990. In contrast, Linn's rates for 1990 were above those for the state. Some caution is urged in examining these rates; they are based on only two years, and unusual events could have influenced arrests in those particular periods.

Forty-four counties had arrest rates for Part I crimes that were more than five points below the state's rate of 10.7 in 1990. Nine counties (Appanoose, Cerro Gordo, Clay, Des Moines, Dubuque, Marshall, Pottawattamie, Scott, Woodbury) reported Part I arrest rates at least five points above that for

Iowa (Figure 2). For Part II crimes, arrest rates were at least 10 points below the state's 20.1 in 27 counties, with the lowest rates (0.0) noted for the five counties with no arrests that year (Adams, Guthrie, Ringgold, Taylor, Wayne). Rates of Part II arrests more than 10 points above Iowa's level occurred in 11 counties (Cerro Gordo, Clinton, Crawford, Decatur, Des Moines, Dubuque, Franklin, Marshall, Page, Pottawattamie, Woodbury) (Figure 3).

Changes in rates of arrests for Part I crimes between 1990 and 1980 tended to be relatively small; 38 counties changed by less than two points in either direction. Only Clay and Palo Alto gained at least 10 points, and only Iowa county declined by at least seven points. Change was somewhat greater on arrest rates for Part II crimes. Although 18 counties changed by less than two points, five (Appanoose, Clarke, Floyd, Iowa, Worth) decreased by at least 10 points. Nineteen gained at least 10 points when Part II arrest rates were compared for 1980 and 1990, with six (Cerro Gordo, Crawford, Decatur, Franklin, Page, Van Buren) increasing by at least 20 points.

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. These data depend on arrests reported by law enforcement officials. The record of these officials in submitting information to the state is excellent. But the decisions on placing violations in certain crime categories vary somewhat from one county to the next and even from one year to the next in a particular county. Thus, caution is urged in examining these data.

Figure 1. Arrests of juveniles in Iowa, 1980-1990.

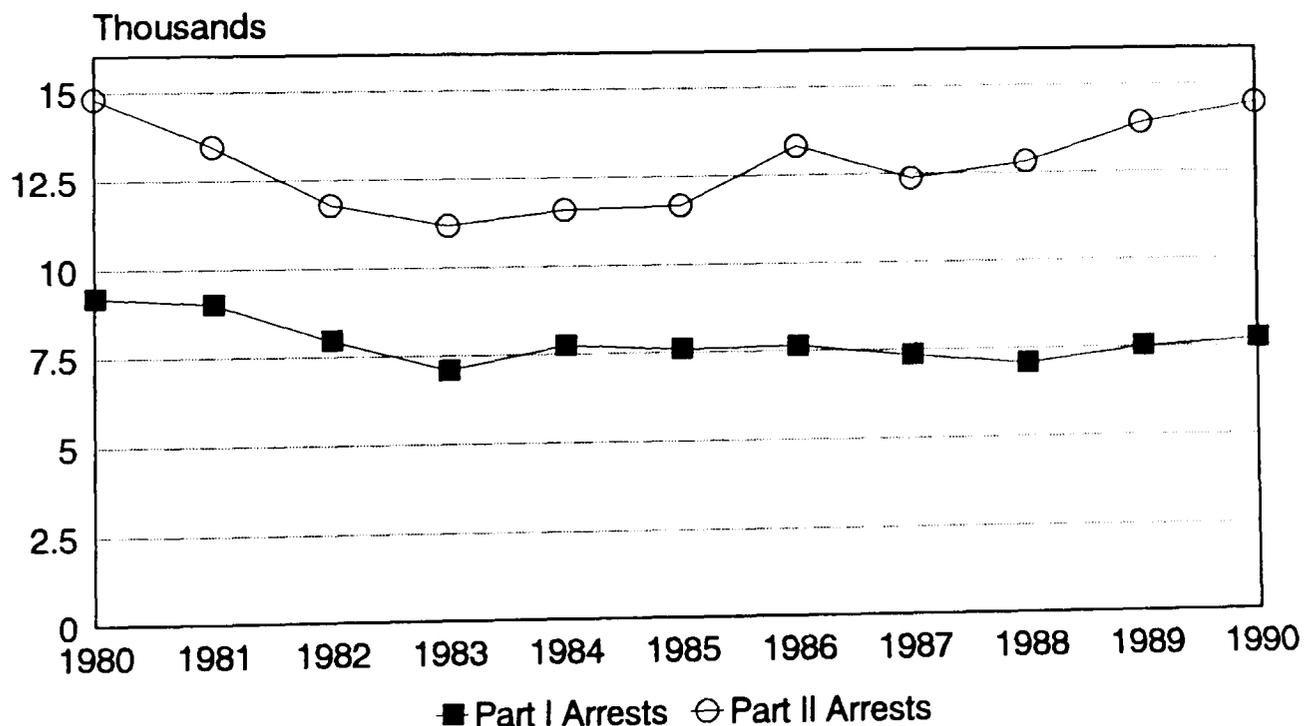


Figure 2. Arrests for part I crimes per 1,000 juveniles, 1990.

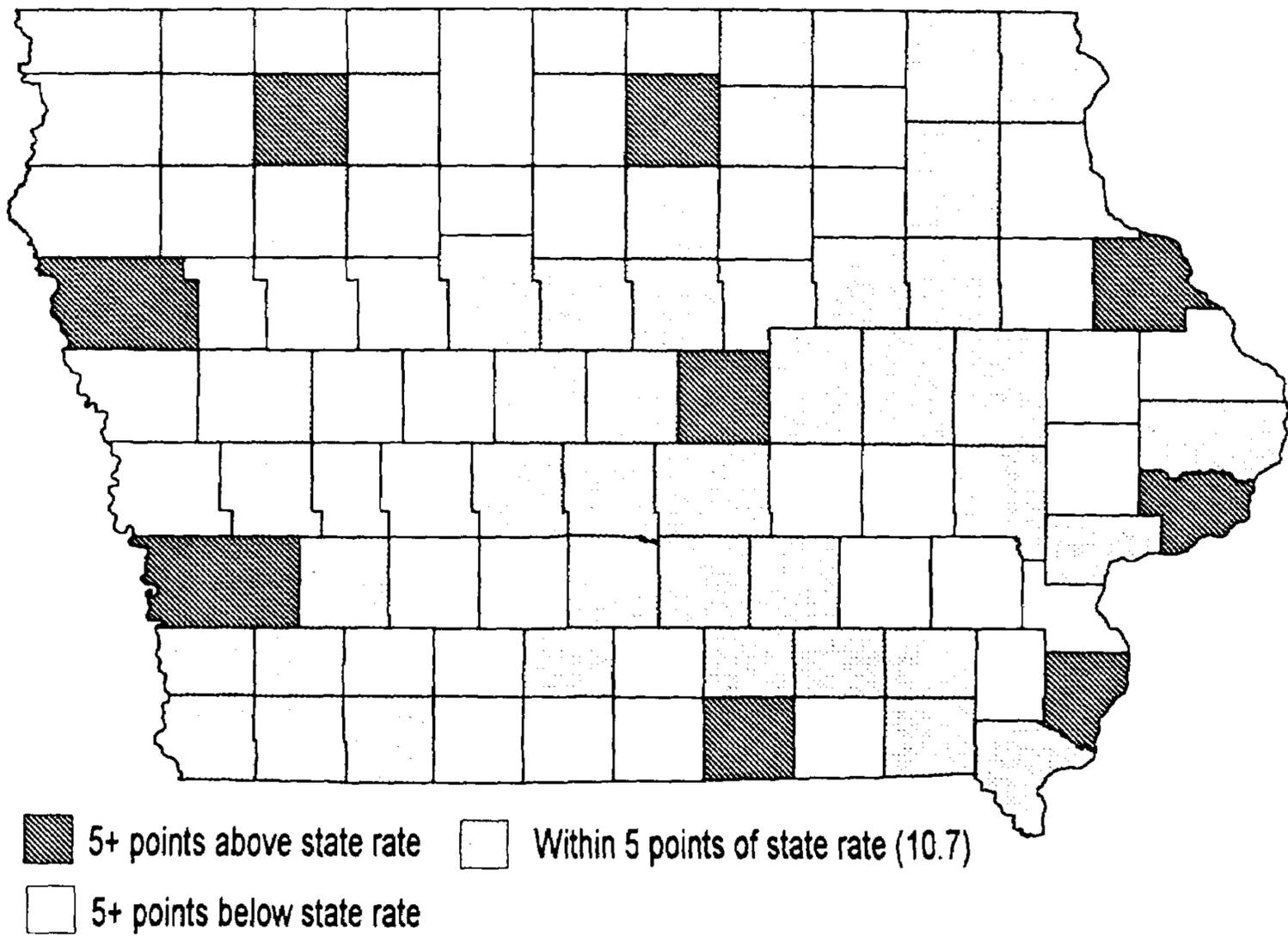
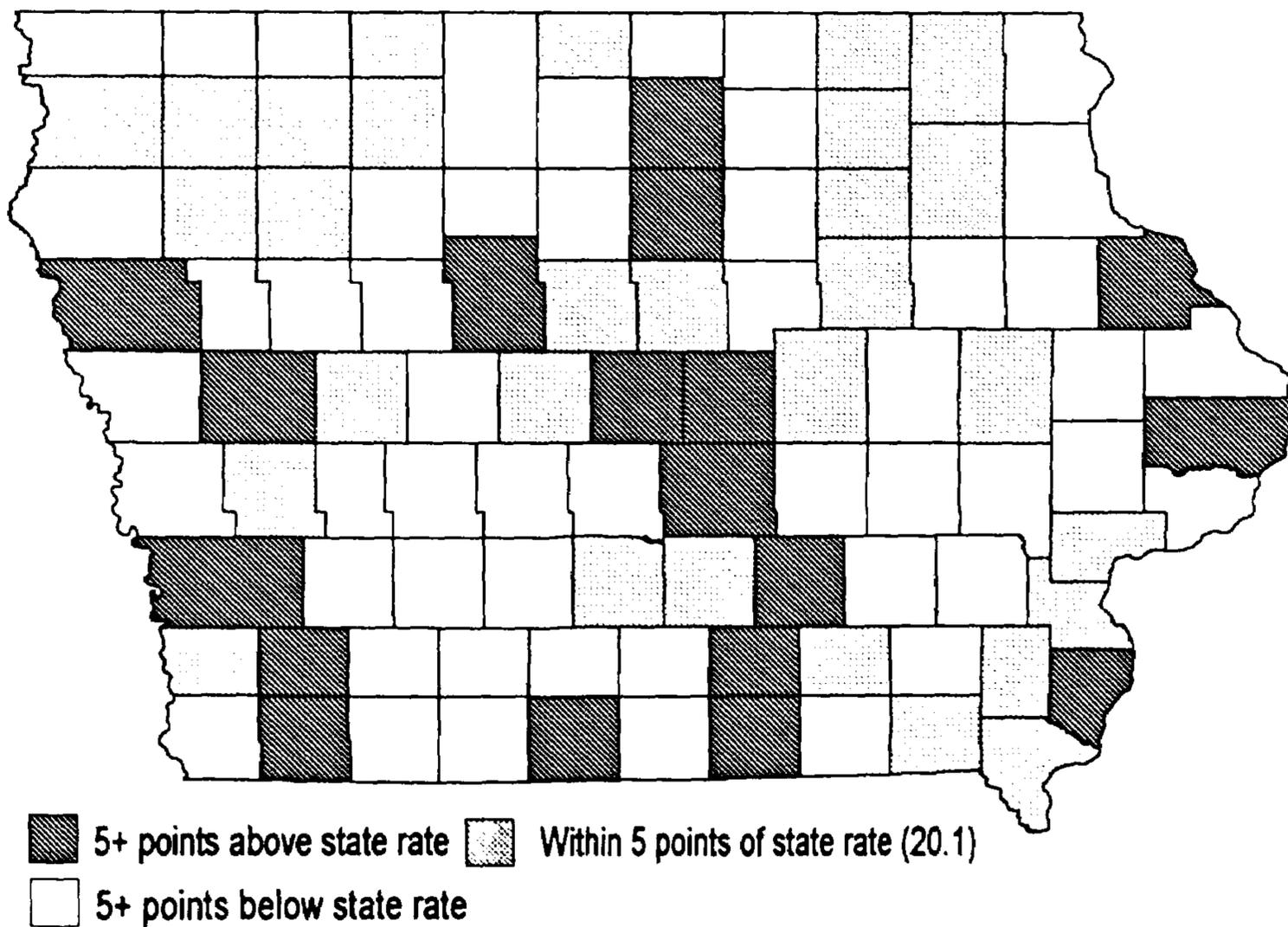


Figure 3. Arrests for part II crimes per 1,000 juveniles, 1990.



Other Publications from Census Services

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

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. Extension community field specialists located in nine areas of 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.

Other Publications

Single copies of the following reports also can be ordered at no charge from our office while our supplies last.

Population Counts for Iowa and Other States: 1980-1990 Censuses and 1991 Estimates. CS91-1. 2 pages.

Age Groups in Iowa and Its Counties: 1940-2010. CS92-2. 75 pages.

Births in Iowa by Race, Age, and Marital Status of Mother: 1980-1990. CS92-3. 10 pages.

Some "vintage" publications developed by Census Services are available through Publications Distribution, 112 Printing and Publications Building, Iowa State University, Ames, IA 50011. Indicate the Pm and/or CRD number(s) of the publication(s) you want. There is a charge if more than one copy of a publication is ordered. Information on charges is available from Publications Distribution (515-294-5247). Many of these reports can be reviewed at county or area extension offices.

Iowa and The World:

Food Self-Sufficiency in the World: 1970-1985. August 1990 (6 pages). CRD 307.
World Population Estimates (1980 and 1985) and Projections (1990 and 2000). June 1988 (12).
CRD 270.

Iowa and Other States:

State Taxes Collected in Iowa and Other States: 1989. June 1990 (4 pages). CRD 305.
Age Distributions in Iowa and the Nation: 1980 and 1989. June 1990 (8). CRD 304.
Household Estimates for Iowa and Other States: 1980-1989. May 1990 (2). CRD 299.
1989 Population Estimates for Iowa and Other States. February 1990 (2). CRD 296.
Projections for Black and White Residents of Iowa and the Nation, 1990-2000. October 1988 (2).
CRD 276.
Vital Statistics and Other Population Components in Iowa and the Nation, 1980-1985. May 1987 (12).
CRD 253.
Iowa and the Nation: Population and Housing Counts. March 1983 (4). CRD 184.

State of Iowa:

Rural and Urban Comparisons in Iowa: 1980-1988. August 1990 (16 pages). CRD 308.
Births in Iowa by Race, Age, and Marital Status of Mother: 1980-1988. June 1990 (8). CRD 301.
Age Distributions in Iowa: 1980-1989. May 1990 (2). CRD 298.
Estimates of Minority Populations in Iowa: 1980-1985. October 1989 (2). CRD 293.
Changes in the Characteristics of Iowa's Farm Operators: 1978-1987. September 1989 (4). CRD 292.
Changes in Iowa Agriculture: 1978-1987. October 1989 (4). CRD 291.
Births, Births to Teens, and Out-of-Wedlock Births in Iowa, 1980-1987. April 1989 (4). CRD 284.
Preliminary Data on Iowa from the 1987 Census of Agriculture. March 1989 (2). CRD 283.
Iowa's Population from 1910 to 1988: Births, Deaths, and Migrations. March 1989 (4). CRD 282.
Rural and Urban Per Capita Income in Iowa, 1969-1986. February 1989 (2). CRD 281.
Farm, Rural Nonfarm, and Urban Residents of Iowa: 1980 and 50 Years of Perspective.
February 1988 (95). Pm-1312.
Minority Groups in Iowa. January 1987 (72). Pm-1286.
Iowa's Elderly: 1980 and a Century of Perspective. October 1986 (82). Pm-1279.
Women in Iowa: 1980 and a Century of Perspective. June 1986 (89). Pm-1270.
Iowa's Retail Trade Establishments: 1954-1982. March 1986 (6). CRD 237.
Estimated Personal Income in Iowa, 1929-1982. February 1985 (6). Pm-1192.
Federal Expenditures in Iowa and Other States, Fiscal Year 1983. June 1984 (revised) (2). CRD 217.
Detailed Ancestry Categories for the State of Iowa. September 1983 (4). CRD 195.
Socioeconomic and Housing Characteristics—Iowa. January 1983 (16). Pm-1074.
Iowa's Urban and Rural Population, 1880-1980. July 1982 (2). CRD 165.
Population Change in Iowa's Incorporated Places, 1970 to 1980. April 1982 (4). CRD 159.
Complete Count Census Data—Iowa. April 1982 (6). Pm-1041.

Iowa's Incorporated Places and Townships:

Estimates of Population (1988) and Per Capita Income (1987) for Iowa's Counties and Incorporated Places. April 1990 (12 pages). CRD 297.
Population in Iowa's Incorporated Places, 1850-1986. March 1988 (28). CRD 263.
Population in Iowa's Townships: 1900-1980. February 1988 (28). CRD 261.
Federal Funds in Iowa's Incorporated Places, Fiscal Year 1983. May 1984 (16). CRD 219.

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