

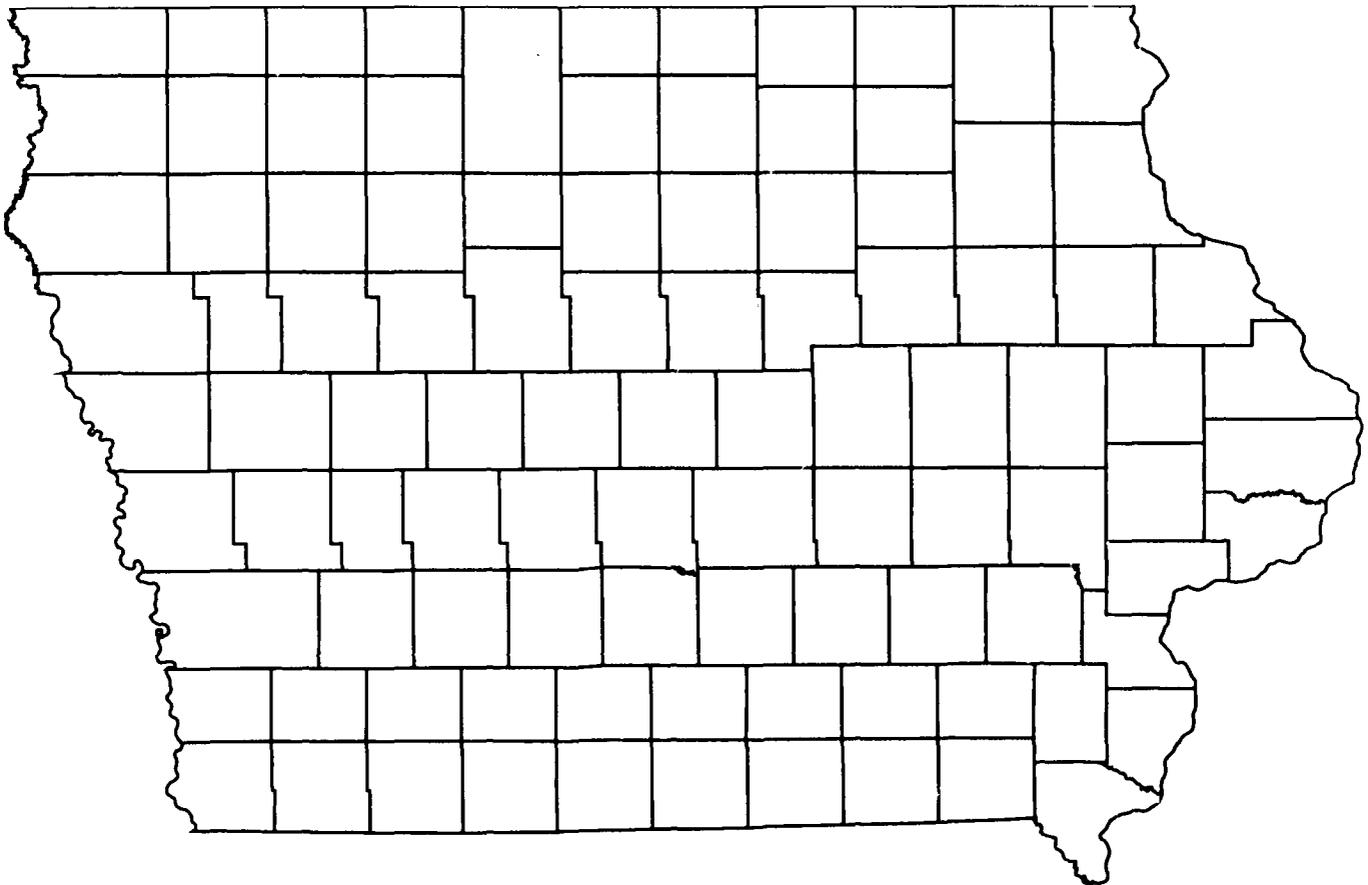


B. Hanning
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Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

1998 Edition



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

October, 1998



Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

Previous Editions for which Limited Copies Are Available

1997 If you don't have the 1997 edition, here are items it included that are not repeated in 1998:

State Personal Income Tax: 1980, 1985, 1990, and 1995; Property Tax Valuations: 1995 and 1997; County Business Patterns in Iowa: 1985-1995; Migration by Sex, by Age Categories, and by Education, 1985-1990; Estimated Numbers of Veterans by Period of Service: 1993-1996; Voting for Selected Candidates in U.S. and Iowa Elections: 1980-1996; Registration and Voting by Political Party Affiliation and by Age: 1982-1996

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Copies of the 1993, 1996, 1997 editions are available while the supply lasts for \$25.00 each. Include a check made payable to Iowa State University with the order. Clearly specify what edition is requested. Send your order to Census Services, 303 East Hall, Iowa State University, Ames, IA 50011; the phone number is 515-294-6482 and our fax number is 515-294-0592.

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

If you don't have the 1995 edition, here are items it included that are not repeated in later editions: Retail Trade: 1977-1992, Wholesale Trade: 1977-1992, Service Industries: 1982-1992.

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

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

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

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Introduction

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

This 10th edition of our county data book continues our tradition of providing information of use to residents throughout Iowa. We hear from readers that this annual publication has become one of the most frequently referenced data sources in the state. As we've done in previous editions, tables have been constructed from varied sources to serve as a reference for demographic and socioeconomic change in Iowa's counties. We've focused on the 1990s for the most part, although one section traces population back to 1850 while another projects it to 2020. We are particularly interested in providing data that readers can use to determine trends that are occurring in Iowa; that's why all of the sections have data for at least two years.

This year we've added estimates of race and Hispanic origin, births and deaths by places within counties, bankruptcy cases, housing sales and average sales prices, practicing physicians, and voting by absentee ballot. One section provides age/sex estimates to 1997 and another includes estimates for population living in county subdivisions as of 1996. And we updated all other sections with the most recent data available.

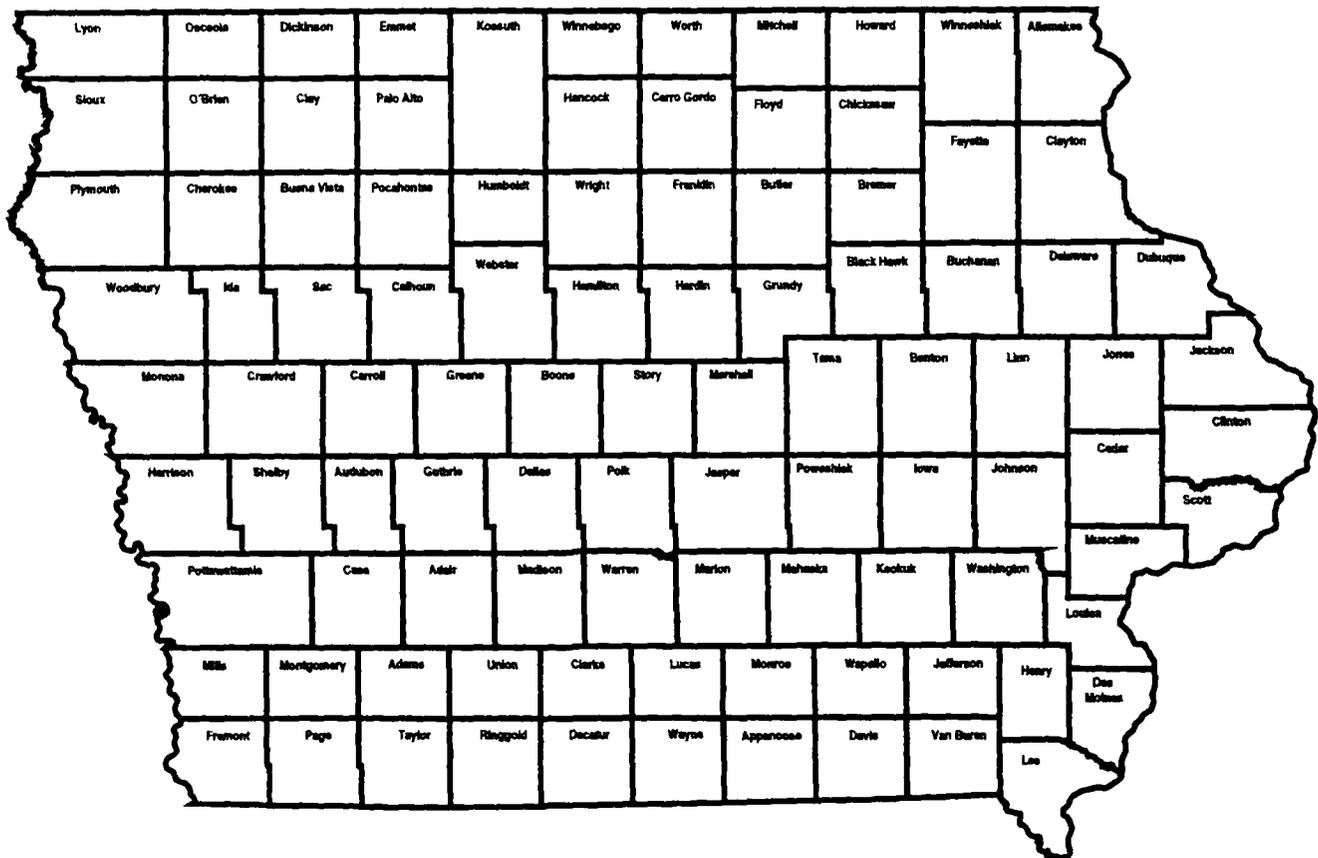
Each data set in this volume is accompanied by a commentary that provides a brief analysis of trends. Graphics highlight either changes in state figures or differences across the counties. Definitions are provided where necessary, as well as notes of caution and an indication of the source of the data.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

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

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

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

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



Population Estimates in Iowa's Counties: 1991-1997 and 1971-1989

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

The U.S. Bureau of the Census estimates the population of counties each year between the decennial censuses. The estimates for 1 July 1997 were released in March of 1998. They are included with revised estimates for 1991-1996 and the 1990 census counts in Table 1. Iowa's population was estimated to have increased by nearly 75,600 (2.7 percent) between 1 April 1990 (census date) and 1 July 1997 (Table 1). While the nation as a whole has been increasing by about 1 percentage point per year, growth has been slower in Iowa (about half a percentage point a year).

1990-1997 Population Change

Forty-nine counties were estimated to have gained residents between 1990 and 1997 (Figure 1), with increases greater than 1,000 in 18 of these 49. The gains of 27,092 in Polk and 12,937 in Linn were the only ones exceeding 10,000; Dallas, Johnson, and Scott each increased by at least 5,000 residents. Twenty-two of the 49 counties with gains grew by fewer than 500 inhabitants.

Declines occurred in 50 counties, although only in Black Hawk and Webster were the decreases greater than 1,000. Audubon, Cherokee, Clinton, Emmet, Floyd, Hardin, Hancock, Kossuth, O'Brien, Palo Alto, and Pocahontas noted declines of at least 500, while the remaining 37 had decreases of less than 500.

Iowa's relatively slow rate of growth (2.7%) is reflected in county figures as well (Figure 2); 54 of the 99 counties increased (23) or decreased (31) by less than 3 percent in the 1990-1997 period. Twelve counties (Benton, Dallas, Dickinson, Iowa, Johnson, Linn, Madison, Mills, Plymouth, Polk, Warren, Washington) grew by 5 percent or more; Dallas was the only county that gained at least 20 percent. Six (Adams, Audubon, Emmet, Ida, Palo Alto, Pocahontas) declined by at least 5 percent from 1990 to 1997.

There are 3,142 counties in the United States. Only 12 of Iowa's counties were in the top half of the distribution of all 3,142 on percentage change in population from 1990 to 1997, with Dallas County's increase of 20.2 percent ranking 317th. Fourteen Iowa counties were among the 10 percent of all counties in the nation with the most negative change, with Adams' -9.2 percent ranking it at 3,062 of 3,142.

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

1971-1979 and 1981-1989 Population Estimates

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

Table 1. Estimated Population (1991-1997), Population (1990), and Estimated Change (1990-1997) in Iowa's Counties.

County	1 July 1997	1 July 1996	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1997	
									Number	Percent
Adair	8232	8242	8249	8287	8407	8386	8399	8409	-177	-2.1
Adams	4420	4450	4507	4559	4590	4655	4730	4866	-446	-9.2
Allamakee	13991	14042	14132	13967	14015	13973	13912	13855	136	1.0
Appanoose	13511	13604	13606	13630	13826	13812	13738	13743	-232	-1.7
Audubon	6814	6860	6893	6943	7001	7117	7233	7334	-520	-7.1
Benton	25019	24706	24328	23845	23444	22859	22610	22429	2590	11.5
Black Hawk	121502	122245	122647	123650	124274	124254	124542	123798	-2296	-1.9
Boone	26158	25881	25563	25245	25192	25299	25357	25186	972	3.9
Bremer	23304	23333	23202	23118	23167	23043	22931	22813	491	2.2
Buchanan	21139	21167	21161	21263	21111	20965	20912	20844	295	1.4
Buena Vista	19565	19829	19938	20037	20228	20072	19949	19965	-400	-2.0
Butler	15695	15713	15730	15707	15673	15773	15822	15731	-36	-0.2
Calhoun	11426	11479	11522	11671	11508	11522	11506	11508	-82	-0.7
Carroll	21703	21574	21583	21472	21591	21454	21409	21423	280	1.3
Cass	14743	14874	14940	15085	15026	15009	15036	15128	-385	-2.5
Cedar	17969	17786	17668	17506	17504	17668	17486	17444	525	3.0
Cerro Gordo	46371	46384	46622	46477	46540	46805	47062	46733	-362	-0.8
Cherokee	13418	13443	13605	13857	13890	13963	14054	14098	-680	-4.8
Chickasaw	13435	13421	13413	13377	13303	13262	13241	13295	140	1.1
Clarke	8237	8265	8155	8163	8339	8349	8271	8287	-50	-0.6
Clay	17600	17550	17535	17657	17670	17742	17623	17585	15	0.1
Clayton	18791	18811	18756	18794	18836	18763	18860	19054	-263	-1.4
Clinton	50224	50395	50896	51011	51245	51231	50964	51040	-816	-1.6
Crawford	16389	16418	16477	16484	16506	16669	16670	16775	-386	-2.3
Dallas	35765	34499	33340	32467	31830	31066	30418	29755	6010	20.2
Davis	8414	8392	8486	8432	8380	8313	8312	8312	102	1.2
Decatur	8190	8241	8273	8135	8045	8135	8139	8338	-148	-1.8
Delaware	18449	18377	18398	18364	18299	18294	18149	18035	414	2.3
Des Moines	42123	42410	42551	42799	42853	42838	42771	42614	-491	-1.2
Dickinson	15985	15740	15583	15399	15376	15236	15190	14909	1076	7.2
Dubuque	88084	88329	88260	88098	87824	87366	86806	86403	1681	1.9
Emmet	10931	11029	11161	11297	11408	11609	11603	11569	-638	-5.5
Fayette	21995	22000	21952	21919	21926	21968	22000	21843	152	0.7
Floyd	16472	16530	16596	16728	16800	16938	16850	17058	-586	-3.4
Franklin	10874	11011	11013	11033	11241	11172	11310	11364	-490	-4.3
Fremont	7840	7934	8038	8149	8133	8184	8160	8226	-386	-4.7
Greene	10043	10068	10007	10068	10135	10086	10055	10045	-2	-0.0
Grundy	12280	12280	12219	12129	12051	12067	11950	12029	251	2.1
Guthrie	11432	11394	11352	11228	11191	11170	11126	10935	497	4.5
Hamilton	16058	16082	16226	16039	16039	16119	16038	16071	-13	-0.1
Hancock	12038	12158	12134	12053	12153	12377	12487	12638	-600	-4.7
Hardin	18512	18629	18741	18648	18598	18782	18944	19094	-582	-3.0
Harrison	15346	15229	15084	14874	14800	14687	14672	14730	616	4.2
Henry	19948	19920	19883	19740	19560	19594	19463	19226	722	3.8
Howard	9710	9740	9749	9786	9885	9893	9861	9809	-99	-1.0
Humboldt	10398	10393	10386	10428	10469	10553	10668	10756	-358	-3.3
Ida	7935	8058	8190	8319	8309	8281	8280	8365	-430	-5.1
Iowa	15468	15354	15159	14944	14869	14757	14746	14630	838	5.7
Jackson	20097	20151	20130	20210	20124	20079	19898	19950	147	0.7
Jasper	35700	35463	35202	35175	35003	34828	34733	34795	905	2.6

Table 1. Estimated Population (1991-1997), Population (1990), and Estimated Change (1990-1997) in Iowa's Counties (continued).

County	1 July 1997	1 July 1996	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1997	
									Number	Percent
Jefferson	17020	16840	16750	16786	16720	16458	16366	16310	710	4.4
Johnson	102318	101589	101254	100431	98942	97980	96693	96119	6199	6.4
Jones	20281	20339	20356	19965	19836	19747	19567	19444	837	4.3
Keokuk	11495	11535	11633	11516	11620	11603	11620	11624	-129	-1.1
Kossuth	17908	17954	18099	18167	18146	18212	18294	18591	-683	-3.7
Lee	38654	38755	39068	38937	38878	39051	38898	38687	-33	-0.1
Linn	181704	179941	179000	176681	174959	173030	170633	168767	12937	7.7
Louisa	11934	11969	11865	11783	11769	11443	11625	11592	342	3.0
Lucas	9067	9016	9025	9017	9051	9042	9115	9070	-3	-0.0
Lyon	11960	11924	11842	11906	11962	11965	11942	11952	8	0.1
Madison	13733	13600	13447	13031	12866	12774	12569	12483	1250	10.0
Mahaska	21822	21778	21838	21730	21663	21519	21463	21532	290	1.3
Marion	31260	31122	31000	30680	30418	30209	30141	30001	1259	4.2
Marshall	38789	38709	38729	38260	37888	37766	38119	38276	513	1.3
Mills	14387	13994	13803	13558	13357	13363	13260	13202	1185	9.0
Mitchell	11063	11064	11068	11053	11007	10838	10919	10928	135	1.2
Monona	9998	9972	9965	10016	10011	10004	9957	10034	-36	-0.4
Monroe	8045	8084	8171	8157	8155	8194	8159	8114	-69	-0.9
Montgomery	11907	11896	11917	11968	12032	11902	11971	12076	-169	-1.4
Muscatine	41212	41164	41328	41150	41124	40785	40513	39907	1305	3.3
O'Brien	14920	15022	15270	15340	15399	15471	15434	15444	-524	-3.4
Osceola	6999	7055	7059	7152	7187	7211	7269	7267	-268	-3.7
Page	17130	17272	16690	16751	16622	16654	16843	16870	260	1.5
Palo Alto	10074	10100	10127	10403	10424	10505	10579	10669	-595	-5.6
Plymouth	24649	24518	24152	24107	23832	23639	23434	23388	1261	5.4
Pocahontas	8835	8951	9106	9120	9149	9299	9387	9525	-690	-7.2
Polk	354232	353099	350434	346615	342945	338112	332589	327140	27092	8.3
Pottawattamie	85405	84787	83770	83379	83509	83413	82810	82628	2777	3.4
Poweshiek	18999	18978	18898	18974	18866	18932	18940	19033	-34	-0.2
Ringgold	5337	5355	5327	5335	5371	5389	5391	5420	-83	-1.5
Sac	11890	11974	12028	12110	12049	12161	12160	12324	-434	-3.5
Scott	157433	156948	156370	155876	155463	154973	153244	150973	6460	4.3
Shelby	13118	13070	13024	13109	13164	13226	13266	13230	-112	-0.8
Sioux	31090	31066	31211	31235	30869	30385	30083	29903	1187	4.0
Story	74582	74553	74276	74280	74749	74256	73999	74252	330	0.4
Tama	17636	17641	17753	17744	17601	17424	17377	17419	217	1.2
Taylor	7146	7164	7150	7111	7072	7057	7071	7114	32	0.4
Union	12461	12562	12438	12441	12547	12548	12660	12750	-289	-2.3
Van Buren	7825	7749	7766	7738	7765	7725	7733	7676	149	1.9
Wapello	35358	35597	35629	35974	36044	35878	35730	35696	-338	-0.9
Warren	39720	39394	38835	38345	37875	37221	36609	36033	3687	10.2
Washington	20855	20694	20535	20270	20273	20200	19897	19612	1243	6.3
Wayne	6824	6841	6850	6893	6980	6974	7034	7067	-243	-3.4
Webster	38616	38933	39255	39422	39856	40086	40225	40342	-1726	-4.3
Winnebago	12060	12008	11945	11897	11836	11907	11970	12122	-62	-0.5
Winneshiek	20895	20954	20960	21000	21010	20985	21027	20847	48	0.2
Woodbury	102092	102470	102114	101468	100941	99981	99263	98276	3816	3.9
Worth	7764	7857	7840	7834	7960	7879	7880	7991	-227	-2.8
Wright	14178	14293	14360	14218	14153	14252	14147	14269	-91	-0.6
State of Iowa	2852423	2848033	2840571	2829199	2820102	2806665	2790821	2776831	75592	2.7

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

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

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

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

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

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

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

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

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

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

Figure 1. Population change, 1990-1997.

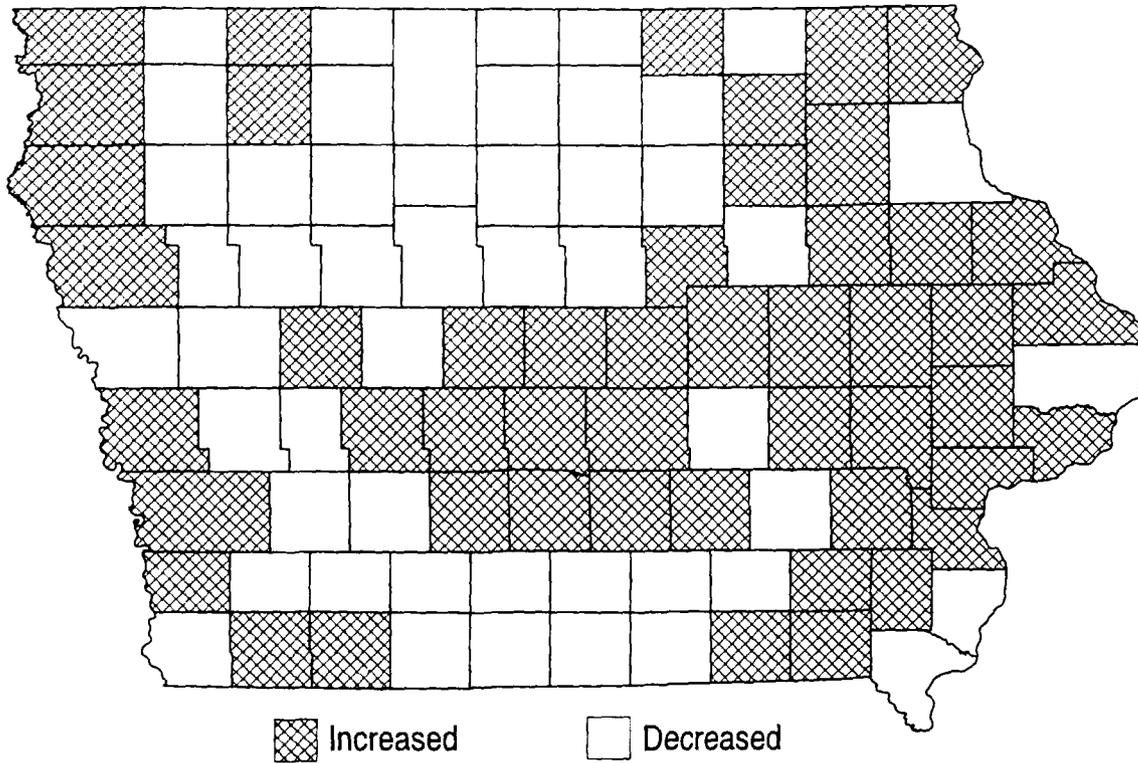
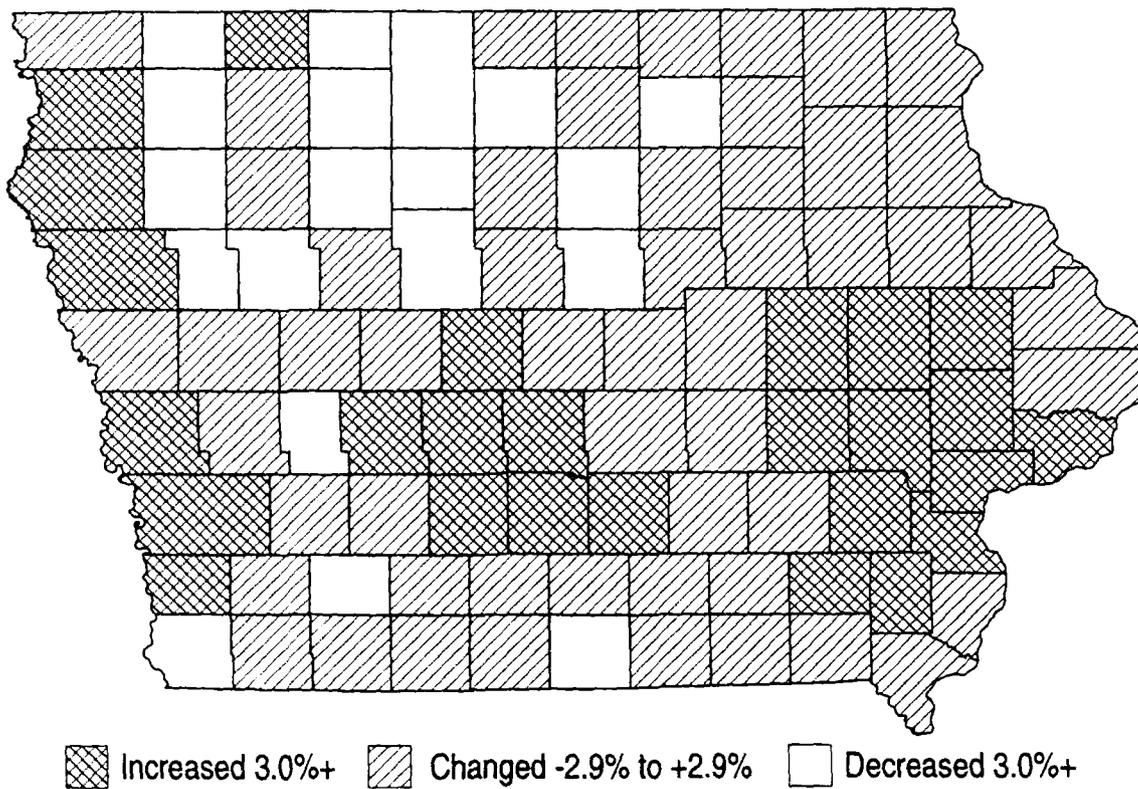


Figure 2. Percent population change, 1990-1997.



Projected Population in Iowa's Counties: 2000-2020

Willis Goudy, Iowa State University

Projections of the population of Iowa and its counties require the use of past trends, current information, and assumptions of what may occur in the future. In 1998, Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009) provided projections to 2020. Economic models drive this set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually. This set of forecasts is obtained by the State of Iowa for use by its agencies.

For Iowa, the projection for the year 2000 indicates a gain of 113,000 from the 1990 census count (Table 1). That trend is anticipated to continue, with a gain of nearly 92,000 projected from 2000 to 2010 and an increase of 112,000 from 2010 to 2020. The forecasts of 2,889,900 for 2000 and 2,981,600 for 2010 suggest Iowa will surpass the 1980 census count of 2,913,800 soon after the turn of the century. And the 3 million mark may be exceeded before 2020. In percentage terms, the anticipated gains by decade are smaller in Iowa (1990-2000: 4.1%, 2000-2010: 3.2%, 2010-2020: 3.8%) than the nation (1990-2000: 10.4%, 2000-2010: 8.4%, 2010-2020: 8.4%), a pattern similar to most decades in the 1900s.

Using the 1990 census counts as a base, more counties are projected to gain (54) than decline (45) from 1990 to 2000. Similarly, it is anticipated that 57 counties will have increasing populations in the first decade of the next century while 42 will decrease. And 63 counties may gain while 36 may decline from 2010 to 2020. When the 1990 populations are compared with 2020 projections, 56 counties are predicted to have higher populations at the end of the period while the remaining 43 may decrease.

Numerical changes are projected to be much greater in some counties than others, of course. For example, Polk may gain nearly 37,000 residents from 1990 to 2000 and 89,000 from 1990 to 2020. Others expected to increase by at least 10,000 in the period between 1990 and 2020 include Black Hawk, Johnson, Linn, Scott, and Woodbury. Losses in those declining over the 30-year period will be relatively small according to these projections, with only those in Hardin, Kossuth, and Webster greater than 2,000, although declines could range from 1,000 to 1,999 in eight others.

Percentage changes will be relatively small in most counties according to the Woods and Poole projections. For example, 51 counties are expected to change by less than three percentage points in either direction between 1990 and 2000. From 2000 to 2010, 65 may change by less than three points; this could increase slightly to 70 between 2010 and 2020. Gains of at least 10 percent could occur in Benton, Dallas, Johnson, Madison, Polk, and Warren in the 1990s. In the first and second decades of the next century, Johnson is projected to increase by at least 10 percent every 10 years. No county is expected to decline by at least 10 percent in any of these three decades. For the entire 1990-2020 period, increases of at least 10 percent are projected for 22 counties; in Johnson, gains could exceed 40 percent. Projected declines are greater than 10 percent in only five counties (Emmet, Fremont, Hardin, Kossuth, Osceola).

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

Table 1. Population, 1990, and Projected Population, 2000-2020, in Iowa's Counties.

County	Census	Woods and Poole Economics (1998)			County	Census	Woods and Poole Economics (1998)		
	1990	2000*	2010*	2020*		1990	2000*	2010*	2020*
Adair	8409	8190	8060	8010	Jefferson	16310	17280	18170	19250
Adams	4866	4480	4430	4390	Johnson	96119	107370	121840	137420
Allamakee	13855	14010	13970	14000	Jones	19444	21200	22630	24180
Appanoose	13743	13570	13380	13340	Keokuk	11624	11610	11620	11710
Audubon	7334	6830	6680	6610	Kossuth	18591	17760	17070	16480
Benton	22429	25170	26790	28530	Lee	38687	38740	38290	38110
Black Hawk	123798	124730	129460	135100	Linn	168767	185000	198610	213250
Boone	25186	25990	26210	26620	Louisa	11592	12130	12430	12850
Bremer	22813	23540	24130	24910	Lucas	9070	8990	8820	8710
Buchanan	20844	21330	21670	22180	Lyon	11952	12110	12460	12870
Buena Vista	19965	19870	19850	19930	Madison	12483	13800	14100	14500
Butler	15731	15770	15710	15750	Mahaska	21532	21880	22130	22520
Calhoun	11508	11310	10890	10520	Marion	30001	31890	33160	34670
Carroll	21423	21850	22600	23520	Marshall	38276	39200	39940	40980
Cass	15128	14760	14310	13980	Mills	13202	14130	14310	14590
Cedar	17444	17880	18050	18370	Mitchell	10928	11210	11420	11680
Cerro Gordo	46733	46560	46390	46560	Monona	10034	9940	9800	9690
Cherokee	14098	13380	13060	12800	Monroe	8114	8190	8360	8600
Chickasaw	13295	13630	13970	14380	Montgomery	12076	11830	11630	11500
Clarke	8287	8320	8450	8650	Muscatine	39907	41490	42280	43360
Clay	17585	17820	18410	19120	O'Brien	15444	15000	14860	14770
Clayton	19054	18870	18790	18770	Osceola	7267	6970	6710	6470
Clinton	51040	50250	49630	49330	Page	16870	16650	16310	16070
Crawford	16775	16380	16020	15770	Palo Alto	10669	10140	10180	10270
Dallas	29755	34540	36060	37860	Plymouth	23388	24730	25350	26090
Davis	8312	8480	8550	8700	Pocahontas	9525	9020	9100	9190
Decatur	8338	8140	7950	7800	Polk	327140	363970	388460	415890
Delaware	18035	18690	19130	19650	Pottawattamie	82628	85460	86650	88400
Des Moines	42614	42380	41840	41580	Poweshiek	19033	19140	19550	20070
Dickinson	14909	16050	16860	17790	Ringgold	5420	5370	5400	5470
Dubuque	86403	89410	92280	95560	Sac	12324	12020	12080	12210
Emmet	11569	10960	10580	10280	Scott	150973	159850	166070	173530
Fayette	21843	22230	22610	23160	Shelby	13230	12900	12460	12140
Floyd	17058	16370	15930	15600	Sioux	29903	31930	33800	35910
Franklin	11364	10910	10640	10420	Story	74252	75670	78270	81410
Fremont	8226	7810	7570	7350	Tama	17419	17940	18570	19320
Greene	10045	9990	9630	9370	Taylor	7114	7180	7170	7190
Grundy	12029	12390	12510	12710	Union	12750	12580	12490	12510
Guthrie	10935	11490	11650	11880	Van Buren	7676	7870	8000	8190
Hamilton	16071	15990	15680	15440	Wapello	35696	36260	37430	38910
Hancock	12638	12120	12000	11950	Warren	36033	40390	42830	45610
Hardin	19094	18520	18080	17750	Washington	19612	21430	23160	25040
Harrison	14730	15310	15460	15710	Wayne	7067	6780	6560	6390
Henry	19226	20280	21250	22370	Webster	40342	38570	37370	36380
Howard	9809	9680	9440	9270	Winnebago	12122	11940	11830	11810
Humboldt	10756	10310	10020	9800	Winneshiek	20847	21080	21350	21710
Ida	8365	8100	8110	8140	Woodbury	98276	105100	111330	118380
Iowa	14630	15810	16840	17970	Worth	7991	7820	7700	7630
Jackson	19950	20120	20250	20450	Wright	14269	14170	13740	13420
Jasper	34795	35650	35980	36550					
State of Iowa						2776831	2889900	2981600	3093600
United States						248718300	274680100	297801500	322813400

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

Counts (1990) and Estimates (1997) of Residents by Age and Sex in Iowa's Counties

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The U.S. Bureau of the Census released estimates of the 1997 population of counties by five-year age groups in September of 1998. They are included in Tables 1A (females) and 1B (males). Numbers from the 1990 census are provided for comparative purposes in Tables 2A and 2B.

According to these estimates, females outnumbered males in the state in both 1990 (by 87,000) and 1997 (by 69,000). This trend was not continuous through the life span for either year, however. In 1997, males accounted for 51.2 percent of the population 19 or younger and 50.4 percent of 20-39 year olds. Among older age groups, females accounted for 50.7 percent of 40-59 year olds, 54.8 percent of 60-79 year olds, and 67.9 percent of those 80 and older.

From 1990 to 1997, the number of Iowa residents under the age of 20 gained slightly; the increase was about 5,700. An estimated loss of 55,700 occurred among 20-39 year olds. At the same time, there was an increase of 130,800 among the 40-59 year olds. Part of this change can be attributed to the aging of baby-boomers. In 1990, these individuals were about 25-44 years of age; seven years later they were 32-51. Thus, more had moved from the 20-39 group in 1990 to the 40-59 by 1997. In the 60-79 year old age category, there was a decrease of 16,700. This decline is due in part to the inclusion of those born in the early 1930s, when birth rates declined substantially. Among those 80 and older, the gain was nearly 11,500.

In 1997, it was estimated that females outnumbered males in all counties but six (Henry, Johnson, Jones, Louisa, Page, Story). Prisons, labor-intensive industries, and universities may partially explain these exceptions. For example, there were 2,400 more males aged 20-24 (college age) than females in that age group in Story County that year.

Twenty-seven counties experienced growth in their populations under the age of 20. Dallas was the only county with an increase in the 20-39 age category, however. All counties noted gains in their 40-59 year old populations, and 12 counties had more persons 60-79 years of age in 1997 than in 1990. All had greater numbers 80 and older at the end of the period, although gains in 65 counties were less than 100.

The estimated population of persons 75 and older increased by nearly 16,500 from 1990 to 1997, with 56 percent (9,200) of that increase among males. At the same time, the population of persons under the age of 5 decreased by more than 9,400 with nearly equal losses among males and females. The count of Iowans 75 or older exceeded that under the age of 5 for the first time in 1990; that trend has continued.

Eighty-four counties in 1990 and 88 in 1997 had more residents 75 or older than under 5 years of age. When the upper category is raised to those 85 or older, then no county had more in the older group than under 5 years of age either year. But when the numbers of females were compared, Ringgold had more 85 and older than under the age of 5 in 1990. Ringgold was joined by Calhoun, Monona and Wayne in 1997 as counties estimated to have more females 85 or older than 4 or younger. In neither year did any county have more males 85 and older than under the age of 5, which reflects the shorter life expectancy of males than females.

Table 1A. Estimated Age of Females in Iowa's Counties, 1997.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	248	252	298	260	146	204	243	235	256	282	274	210	199	216	240	252	202	227	4244
Adams	119	124	146	141	74	110	123	134	165	168	155	128	104	144	120	114	92	91	2252
Allamakee	456	504	539	473	256	388	408	483	466	469	391	349	338	352	318	345	254	322	7111
Appanoose	407	411	487	491	300	371	385	442	501	465	388	366	340	357	396	342	278	304	7031
Audubon	212	237	219	209	104	172	178	199	227	230	231	191	196	184	198	194	152	195	3528
Benton	827	874	984	853	579	791	807	896	933	894	705	619	557	555	544	534	387	349	12688
Black Hawk	3599	3950	4422	5322	5405	3684	4108	4897	4986	4219	3467	2782	2674	2445	2317	1942	1522	1505	63246
Boone	806	856	915	841	606	814	868	1064	1004	924	782	647	602	591	591	562	460	650	13583
Bremer	625	776	813	1048	816	592	637	803	958	890	718	556	441	507	495	439	388	414	11916
Buchanan	764	821	949	786	453	619	667	731	795	710	607	472	444	452	475	409	265	274	10693
Buena Vista	621	640	742	814	697	559	600	690	625	543	492	472	495	464	432	430	307	391	10014
Butler	441	517	588	534	273	386	476	555	554	512	465	407	389	420	416	362	332	342	7969
Calhoun	312	378	377	352	154	263	325	401	369	374	340	305	303	347	348	345	257	314	5864
Carroll	779	824	928	769	460	599	707	756	662	711	580	537	556	536	516	458	353	447	11178
Cass	412	504	523	487	267	389	432	519	530	505	480	397	358	381	417	421	329	326	7677
Cedar	539	641	743	585	374	536	568	718	690	665	511	438	430	383	396	342	275	313	9147
Cerro Gordo	1415	1454	1573	1769	1243	1563	1643	1843	1795	1578	1404	1237	1137	1123	1022	985	759	836	24379
Cherokee	412	436	557	505	230	359	381	500	468	460	419	405	333	315	323	306	247	271	6927
Chickasaw	415	464	525	471	237	354	429	475	467	465	452	284	311	318	295	289	243	233	6727
Clarke	263	280	297	302	164	240	235	333	284	299	261	197	220	178	184	215	149	186	4287
Clay	587	635	686	609	412	531	613	723	677	567	505	460	432	426	366	338	249	325	9141
Clayton	613	677	739	671	377	524	552	655	645	604	556	503	454	434	441	402	333	314	9494
Clinton	1595	1707	1939	1895	1216	1582	1678	1844	2024	1838	1520	1216	1204	1124	1134	950	730	777	25973
Crawford	539	568	664	675	341	448	483	525	593	599	459	399	387	378	375	346	250	321	8350
Dallas	1128	1302	1365	1218	757	1165	1295	1458	1586	1277	1054	788	726	698	683	633	494	519	18146
Davis	266	289	306	302	181	229	241	308	268	297	270	217	186	187	178	217	148	195	4285
Decatur	215	240	267	464	312	205	200	229	265	258	217	195	203	185	216	173	163	202	4209
Delaware	638	786	803	684	397	591	625	626	609	597	531	442	414	387	363	288	285	267	9333
Des Moines	1318	1425	1486	1449	1100	1329	1285	1657	1785	1638	1245	1057	998	1000	851	817	711	732	21883
Dickinson	417	487	580	470	279	400	439	665	633	581	499	479	476	450	451	394	274	289	8263
Dubuque	2747	3078	3314	3746	2805	2798	2901	3454	3378	3099	2455	2075	1853	1775	1613	1557	1286	1288	45222
Emmet	302	350	425	515	232	264	314	388	391	331	307	275	302	276	264	257	216	234	5643
Fayette	678	781	798	802	497	587	647	721	758	749	663	588	485	572	542	512	406	429	11215

Table 1A. Estimated Age of Females in Iowa's Counties, 1997 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	486	546	634	594	355	430	445	586	605	641	524	420	437	404	451	396	283	356	8593
Franklin	325	369	382	348	191	279	320	371	438	363	323	295	287	298	272	258	218	254	5591
Fremont	211	256	326	294	137	187	217	277	284	275	212	214	210	229	201	226	178	170	4104
Greene	273	325	355	296	173	254	291	365	330	327	305	293	289	275	297	304	229	250	5231
Grundy	349	394	460	394	220	309	362	429	480	446	403	335	311	309	355	317	233	235	6341
Guthrie	281	399	418	383	203	268	310	389	428	390	374	346	337	331	304	279	214	263	5917
Hamilton	485	517	584	533	315	462	489	594	588	568	520	452	401	406	387	321	293	309	8224
Hancock	393	445	463	422	225	357	392	431	446	356	346	305	276	284	282	268	215	228	6134
Hardin	495	592	613	650	342	466	536	644	661	625	564	483	480	500	498	489	372	476	9486
Harrison	444	542	545	594	304	449	482	504	544	540	442	411	380	375	372	374	286	335	7923
Henry	613	624	698	742	505	562	629	715	813	681	521	441	392	394	457	377	333	356	9853
Howard	301	341	382	299	160	268	271	282	323	312	275	264	256	234	246	274	224	231	4943
Humboldt	287	364	374	339	160	262	315	339	374	342	332	307	283	296	289	297	178	185	5323
Ida	263	305	279	260	131	212	252	260	274	246	186	221	220	225	186	198	159	197	4074
Iowa	523	525	546	462	299	478	515	547	538	520	498	403	367	375	374	377	259	340	7946
Jackson	635	685	790	740	443	585	614	710	685	771	564	576	476	431	423	425	326	313	10192
Jasper	1057	1107	1304	1169	810	1086	1123	1355	1436	1345	1158	978	905	792	735	657	544	520	18081
Jefferson	513	585	543	507	335	476	543	932	962	662	435	361	324	334	333	303	264	252	8664
Johnson	3088	2801	2572	4962	8256	5069	3938	4302	3796	2906	2072	1555	1283	1067	992	892	757	767	51075
Jones	595	656	775	668	447	587	598	716	712	703	570	487	460	423	418	400	275	339	9829
Keokuk	321	424	372	402	208	339	341	368	373	377	336	351	261	304	295	297	242	266	5877
Kossuth	562	671	672	642	303	470	516	604	616	572	596	487	441	443	428	418	332	375	9148
Lee	1142	1243	1378	1353	939	1157	1182	1428	1488	1429	1094	934	944	975	850	744	644	625	19549
Linn	5765	5774	6064	7135	6368	6741	6490	7520	7939	6943	5518	4227	3532	3271	2907	2700	1988	2041	92923
Louisa	356	387	490	442	285	363	370	479	429	416	352	287	249	232	195	202	169	188	5891
Lucas	250	284	332	292	180	235	279	321	312	344	266	277	235	215	237	252	190	206	4707
Lyon	411	431	525	433	245	301	338	423	398	321	367	341	288	273	269	255	219	231	6069
Madison	421	452	579	493	266	358	439	543	503	503	404	332	265	316	299	309	239	282	7003
Mahaska	699	712	811	790	618	665	675	803	763	730	573	545	515	538	518	481	327	378	11141
Marion	906	1050	1125	1268	1018	899	946	1177	1147	1033	894	726	650	659	618	597	475	458	15646
Marshall	1142	1241	1328	1409	934	1114	1235	1530	1608	1513	1111	951	877	850	873	739	593	654	19702
Mills	397	460	581	576	303	418	505	645	649	529	415	307	299	254	290	255	186	169	7238
Mitchell	340	361	393	399	205	274	305	340	340	376	347	295	288	291	293	269	229	321	5666

Table 1A. Estimated Age of Females in Iowa's Counties, 1997 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	252	309	393	317	168	254	265	311	303	358	302	277	301	292	291	298	257	266	5214
Monroe	219	271	296	273	169	217	244	267	291	270	219	210	230	218	220	194	150	189	4147
Montgomery	323	366	413	439	216	346	342	415	465	392	328	322	302	317	344	311	301	292	6234
Muscatine	1400	1490	1679	1561	1177	1478	1368	1602	1630	1501	1158	881	773	748	700	626	497	535	20804
O'Brien	437	530	575	505	247	387	455	543	448	470	446	414	410	401	368	375	320	377	7708
Osceola	232	239	260	254	137	178	219	231	228	216	203	204	163	169	182	158	131	171	3575
Page	432	526	623	545	280	423	488	590	574	563	432	466	427	442	438	440	349	395	8433
Palo Alto	290	364	382	352	175	215	282	317	312	305	328	316	277	249	270	274	208	248	5164
Plymouth	844	897	1020	942	545	660	763	931	837	819	654	661	557	509	525	496	401	434	12495
Pocahontas	258	292	304	263	124	224	242	305	288	329	285	235	247	239	269	225	184	223	4536
Polk	12134	11498	11477	12870	13410	15376	13764	15312	15589	13369	10036	7933	6805	6336	5617	5007	3781	3893	184207
Pottawattamie	2948	2992	3140	3188	2455	3076	2973	3327	3396	3141	2619	2316	1981	1765	1542	1319	977	986	44141
Poweshiek	525	581	665	867	618	545	588	702	679	702	575	460	408	427	401	367	324	351	9785
Ringgold	116	176	177	179	84	128	137	166	195	179	167	175	137	173	168	160	131	134	2782
Sac	334	398	461	377	190	290	335	402	393	346	344	328	322	343	336	324	236	303	6062
Scott	5580	5717	6045	6065	5080	5771	5835	6592	6816	5841	4527	3439	2913	2829	2382	2084	1640	1464	80620
Shelby	368	459	505	484	226	368	360	456	431	412	393	366	315	323	347	328	248	281	6670
Sioux	1081	1245	1366	1556	1144	822	912	1084	950	971	807	652	663	640	610	570	427	396	15896
Story	2002	1951	1979	3651	5843	2762	2366	2578	2392	2086	1608	1233	1089	995	945	906	715	809	35910
Tama	507	574	680	620	384	483	515	568	618	629	562	494	431	419	424	433	315	375	9031
Taylor	199	234	276	258	121	164	195	230	229	239	206	201	184	218	210	208	196	168	3736
Union	362	393	492	514	277	366	360	455	491	430	343	337	262	312	295	294	270	284	6537
Van Buren	254	259	262	201	166	218	217	259	267	280	271	207	183	211	200	203	149	132	3939
Wapello	1059	973	1183	1300	893	1043	1102	1333	1392	1244	1024	990	926	916	861	834	667	630	18370
Warren	1266	1391	1565	1753	1241	1242	1362	1662	1820	1687	1177	912	617	642	514	530	363	448	20192
Washington	707	693	784	678	476	655	650	754	777	724	561	506	459	527	476	438	421	443	10729
Wayne	195	205	243	196	133	183	173	199	220	220	197	173	203	203	231	208	164	210	3556
Webster	1264	1272	1423	1404	1017	1165	1262	1408	1433	1280	1140	1022	935	926	888	800	643	792	20074
Winnebago	356	402	435	538	251	316	367	438	417	414	306	286	272	279	269	312	270	245	6173
Winneshiek	636	674	718	1139	1046	567	627	649	647	638	558	460	440	397	414	348	309	337	10604
Woodbury	3535	3773	4008	3985	3057	3444	3387	3964	3891	3258	2588	2369	2276	2160	2042	1786	1418	1477	52418
Worth	222	239	273	250	155	211	224	290	260	271	233	186	209	209	181	220	151	181	3965
Wright	429	415	523	445	282	379	406	492	531	446	406	387	391	423	402	352	305	352	7366
State of Iowa	89810	94934	102315	108771	89414	93982	94541	109688	110839	99933	81303	68318	61873	60020	56826	52548	41387	44273	1460775

Table 1B. Estimated Age of Males in Iowa's Counties, 1997.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	238	253	340	283	165	206	233	278	300	248	232	213	205	181	203	194	126	90	3988
Adams	154	135	143	170	76	112	138	131	160	151	145	121	122	101	95	92	60	62	2168
Allamakee	459	490	553	548	310	381	434	555	488	491	393	338	337	338	287	224	142	112	6880
Appanoose	371	441	523	542	294	377	388	452	471	460	356	281	315	307	302	290	190	120	6480
Audubon	212	230	243	230	129	156	182	248	220	209	213	166	186	175	180	122	105	80	3286
Benton	874	944	1029	943	590	764	850	951	931	874	714	607	506	461	489	419	225	160	12331
Black Hawk	3795	4232	4668	5113	5046	3382	3467	4753	4812	4244	3274	2581	2298	2119	1749	1388	796	539	58256
Boone	796	859	941	897	613	759	868	1087	1079	855	763	638	574	510	473	370	292	201	12575
Bremer	632	753	914	1073	897	585	617	813	938	929	734	510	440	411	386	357	232	167	11388
Buchanan	758	899	961	919	484	587	655	797	832	707	629	446	395	397	378	300	181	121	10446
Buena Vista	659	708	707	838	780	612	623	738	642	531	429	392	446	398	370	315	196	167	9551
Butler	456	568	642	631	324	375	450	606	635	576	402	365	349	357	351	306	192	141	7726
Calhoun	318	371	443	363	227	344	385	465	372	364	332	277	274	279	285	197	146	120	5562
Carroll	804	913	946	815	485	607	727	810	706	656	562	484	447	438	424	330	201	170	10525
Cass	455	512	563	521	258	397	444	527	550	483	440	347	352	313	289	279	197	139	7066
Cedar	531	655	708	646	386	501	606	710	779	651	521	419	380	353	374	283	176	143	8822
Cerro Gordo	1521	1619	1660	1703	1199	1453	1502	1840	1711	1404	1276	1013	1082	935	798	611	368	297	21992
Cherokee	425	493	518	482	244	345	418	527	502	453	355	359	355	298	245	206	156	110	6491
Chickasaw	430	536	568	583	270	340	453	514	483	489	406	318	301	290	267	227	124	109	6708
Clarke	243	293	312	292	186	225	264	303	308	264	247	195	187	162	131	157	111	70	3950
Clay	577	616	782	613	389	487	578	713	666	608	457	387	404	348	312	243	153	126	8459
Clayton	580	705	771	744	408	527	599	733	639	671	510	490	444	398	369	340	204	165	9297
Clinton	1638	1750	1942	1966	1276	1530	1543	1931	2003	1811	1472	1152	1058	969	852	690	404	264	24251
Crawford	520	531	645	783	362	486	527	562	615	601	470	405	368	325	320	250	152	117	8039
Dallas	1215	1429	1521	1346	792	1062	1211	1472	1642	1365	1026	812	657	589	572	447	276	185	17619
Davis	288	288	359	335	194	247	253	294	306	279	251	205	179	154	176	137	116	68	4129
Decatur	238	230	262	451	371	181	204	273	246	263	186	185	171	168	181	154	114	103	3981
Delaware	675	796	811	715	461	552	647	697	649	595	541	454	388	363	310	213	135	114	9116
Des Moines	1248	1477	1622	1614	1077	1253	1252	1655	1803	1637	1201	942	864	838	654	535	325	243	20240
Dickinson	403	482	589	575	303	401	444	642	618	587	456	426	406	419	388	296	159	128	7722
Dubuque	2924	3151	3590	3967	3101	2773	2779	3368	3377	3023	2525	1928	1720	1493	1242	947	563	391	42862
Emmet	305	389	453	546	286	256	283	395	411	343	302	239	262	238	203	167	114	96	5288
Fayette	706	735	851	943	607	600	654	819	779	714	638	534	500	470	430	363	263	174	10780

Table 18. Estimated Age of Males in Iowa's Counties, 1997 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	490	561	600	617	375	410	418	592	608	634	520	370	390	349	355	287	169	134	7879
Franklin	320	401	419	375	208	285	334	435	410	384	302	254	273	237	210	220	126	90	5283
Fremont	227	259	302	282	150	182	198	276	307	266	211	192	182	186	193	156	93	74	3736
Greene	296	349	368	346	198	259	268	351	367	308	301	230	267	229	213	220	158	84	4812
Grundy	372	395	481	428	229	290	363	467	473	476	397	293	282	257	288	246	123	79	5939
Guthrie	310	393	415	366	216	290	300	418	411	424	357	328	299	280	265	206	137	100	5515
Hamilton	485	535	608	596	356	492	527	597	642	517	463	375	424	336	351	265	154	111	7834
Hancock	391	495	492	477	230	337	400	473	451	389	345	274	258	235	226	199	136	96	5904
Hardin	505	613	712	915	403	430	565	681	653	588	500	458	424	416	398	348	249	168	9026
Harrison	532	529	644	558	327	420	475	520	545	525	428	381	335	323	303	251	184	143	7423
Henry	589	690	724	751	866	741	700	838	858	730	545	395	364	348	318	284	183	171	10095
Howard	304	329	410	342	195	291	293	343	304	301	283	217	249	227	234	192	136	117	4767
Humboldt	330	370	374	356	205	253	330	390	361	377	253	277	265	259	260	163	151	101	5075
Ida	275	315	322	304	141	199	252	289	284	258	190	178	194	191	164	135	92	78	3861
Iowa	501	517	558	523	357	482	524	594	591	507	450	390	348	333	332	256	141	118	7522
Jackson	672	765	859	836	482	603	616	747	698	716	584	510	432	399	353	307	182	144	9905
Jasper	1042	1201	1391	1438	911	1138	1192	1391	1485	1321	1040	866	867	683	632	522	312	187	17619
Jefferson	489	571	588	603	393	442	588	987	1050	628	404	321	299	262	243	213	165	110	8356
Johnson	3190	2853	2698	4806	8877	5447	4304	4397	3970	2981	1984	1493	1182	983	814	615	385	264	51243
Jones	614	656	791	777	735	736	879	880	846	695	594	472	425	359	374	311	181	127	10452
Keokuk	357	434	458	408	230	329	369	415	387	375	314	275	284	254	237	223	156	113	5618
Kossuth	568	709	749	667	340	487	568	658	657	531	545	486	400	373	374	305	187	156	8760
Lee	1206	1341	1536	1425	984	1305	1314	1574	1651	1457	1105	902	811	755	655	541	325	218	19105
Linn	6096	6088	6572	7353	6060	6660	6446	7585	7790	6676	5252	4157	3267	2860	2312	1767	1095	745	88781
Louisa	408	437	494	490	387	405	442	452	468	437	346	261	246	216	194	154	120	86	6043
Lucas	272	288	326	356	180	227	239	319	314	326	283	237	236	213	179	174	110	81	4360
Lyon	455	517	535	501	235	330	347	438	412	348	280	324	277	249	234	181	128	100	5891
Madison	429	522	548	600	287	327	418	560	558	505	399	302	283	267	241	213	155	116	6730
Mahaska	750	774	853	804	658	669	703	855	825	707	568	443	469	469	421	324	230	159	10681
Marion	1026	1116	1232	1330	1012	925	968	1219	1205	1147	883	722	648	620	571	444	335	211	15614
Marshall	1176	1311	1414	1455	972	1101	1164	1534	1622	1487	1144	888	884	860	742	650	366	317	19087
Mills	453	531	659	607	308	416	480	605	676	563	438	326	290	228	202	175	108	84	7149
Mitchell	339	388	422	420	241	296	314	385	373	371	296	281	278	260	238	221	157	117	5397

Table 1B. Estimated Age of Males in Iowa's Counties, 1997 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	278	353	319	354	162	249	256	362	340	338	309	256	236	248	237	221	149	117	4784
Monroe	237	276	325	288	188	210	242	272	281	287	215	221	170	185	177	147	91	86	3898
Montgomery	341	409	435	427	257	310	334	425	457	386	291	299	267	247	226	250	173	139	5673
Muscatine	1520	1584	1680	1688	1225	1447	1478	1689	1745	1447	1162	839	755	618	583	435	277	236	20408
O'Brien	463	552	615	586	344	376	468	544	495	415	406	365	349	316	317	281	191	129	7212
Osceola	225	246	287	279	156	192	244	244	230	239	171	175	181	150	123	121	85	76	3424
Page	457	511	655	786	521	660	499	735	711	554	466	397	359	385	348	299	200	154	8697
Palo Alto	290	349	430	476	211	249	315	342	318	311	247	273	267	222	200	176	131	103	4910
Plymouth	826	1040	1100	1018	656	636	775	897	902	834	614	586	587	465	436	372	231	179	12154
Pocahontas	296	316	351	303	128	229	272	302	300	307	273	219	229	224	192	159	111	88	4299
Polk	12863	12139	12078	12649	12305	14495	13293	14938	14644	12582	9308	7283	6174	5015	4199	3081	1825	1154	170025
Pottawattamie	3048	3106	3309	3400	2262	2863	2865	3303	3259	2959	2401	2044	1866	1461	1250	920	574	374	41264
Poweshiek	556	641	661	905	698	521	587	711	704	608	515	441	387	357	346	276	169	131	9214
Ringgold	148	187	174	169	89	121	149	160	188	168	156	177	144	137	124	127	76	61	2555
Sac	405	450	476	405	224	300	367	426	400	358	324	307	297	290	261	241	156	141	5828
Scott	5780	5929	6408	6122	4999	5374	5494	6676	6767	5819	4294	3361	2695	2379	1928	1403	832	553	76813
Shelby	436	494	526	484	263	346	399	464	458	427	384	327	328	298	287	244	155	128	6448
Sioux	1147	1280	1381	1456	1218	808	931	1134	1019	904	777	659	580	539	526	385	245	205	15194
Story	2247	2107	2086	4374	8257	3312	2447	2710	2437	2084	1542	1219	963	852	739	613	416	267	38672
Tama	559	606	708	635	396	481	525	627	617	617	565	415	432	362	374	335	180	171	8605
Taylor	187	262	266	247	129	144	190	257	254	218	192	175	178	173	185	156	109	88	3410
Union	350	424	468	509	317	313	356	448	523	409	353	267	251	258	248	198	135	97	5924
Van Buren	257	292	307	306	175	210	215	274	280	257	238	199	188	169	171	168	105	75	3886
Wapello	1046	1131	1272	1405	985	964	1023	1368	1324	1218	929	879	797	737	702	592	370	246	16988
Warren	1350	1497	1668	1872	1225	1147	1220	1653	1776	1616	1258	893	651	536	456	346	220	144	19528
Washington	714	731	848	739	492	661	685	812	804	697	553	465	415	385	395	334	217	179	10126
Wayne	196	188	242	222	110	157	186	229	211	221	171	176	178	203	195	181	103	99	3268
Webster	1308	1387	1416	1433	1058	1114	1181	1405	1422	1262	1028	925	896	825	650	550	412	270	18542
Winnebago	378	434	419	549	294	321	368	494	454	394	315	257	252	233	241	211	166	107	5887
Winneshiek	646	678	721	1061	1072	604	687	739	690	620	522	459	429	380	369	285	194	135	10291
Woodbury	3818	3877	4220	4225	3171	3519	3359	4073	3865	3177	2466	2107	1984	1785	1532	1169	747	580	49674
Worth	226	259	303	273	164	215	231	292	272	262	256	184	184	175	154	159	95	95	3799
Wright	437	434	500	474	296	347	423	548	501	459	409	330	359	324	356	284	187	144	6812
State of Iowa	93952	99905	107788	114421	94385	92962	94040	112477	111573	97945	77572	63286	57132	51044	45738	36936	23450	17042	1391648

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

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

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

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

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

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	293	337	382	291	186	301	330	319	253	275	258	264	331	333	308	295	250	249	5255
Monroe	248	299	292	258	193	258	296	277	257	195	198	210	238	248	231	190	146	177	4211
Montgomery	358	430	426	399	255	411	423	435	390	312	275	318	330	361	371	320	292	281	6387
Muscatine	1413	1554	1593	1378	1245	1632	1639	1549	1390	1123	957	828	872	851	756	629	479	504	20392
O'Brien	503	586	614	463	294	466	581	560	394	368	373	389	478	477	409	367	323	366	8011
Osceola	271	292	261	242	153	218	277	247	190	174	176	202	187	198	196	165	120	171	3740
Page	487	599	648	512	311	509	618	595	497	447	381	453	489	515	470	452	334	380	8697
Palo Alto	336	436	403	350	206	271	377	336	279	246	287	323	327	279	311	289	207	250	5513
Plymouth	875	924	954	843	594	744	879	864	677	589	523	581	577	537	523	456	356	404	11900
Pocahontas	304	365	342	250	151	275	332	318	264	268	256	242	295	287	311	243	191	220	4914
Polk	12080	11564	10452	11098	13897	16135	15381	13868	12301	9341	7638	7018	6893	6588	5533	4627	3399	3434	171247
Pottawattamie	3049	3212	3019	2830	2669	3420	3497	3151	2784	2321	2092	2126	2111	1936	1605	1267	917	907	42913
Poweshiek	572	648	678	858	696	627	700	688	578	536	471	437	469	469	439	369	309	331	9875
Ringgold	127	200	185	163	96	144	176	172	166	132	154	171	156	189	191	160	128	132	2842
Sac	376	461	474	358	220	348	434	409	361	254	298	318	379	402	356	331	241	288	6308
Scott	5745	6008	5772	5289	5430	6289	6786	6310	5581	4289	3652	3161	3122	3109	2461	2008	1541	1334	77887
Shelby	416	509	502	449	254	431	437	464	369	310	327	345	361	376	383	319	238	279	6769
Sioux	1110	1339	1309	1392	1185	904	1083	1032	770	723	619	607	704	683	623	538	406	378	15405
Story	2067	2066	1905	3609	6500	2927	2719	2488	1994	1554	1287	1155	1178	1092	992	869	674	753	35829
Tama	545	636	679	565	435	543	613	577	522	465	457	476	462	474	459	421	300	354	8983
Taylor	217	245	272	248	131	185	238	230	207	175	166	194	205	248	221	203	191	171	3747
Union	404	446	502	502	325	450	452	470	423	332	302	318	308	360	324	301	267	275	6761
Van Buren	268	287	253	193	179	242	273	259	221	189	230	197	194	242	209	194	139	126	3895
Wapello	1172	1080	1209	1203	999	1221	1365	1342	1199	967	840	982	1020	1048	931	836	655	579	18648
Warren	1259	1421	1449	1432	1237	1331	1507	1525	1421	1177	892	809	618	678	508	495	321	408	18488
Washington	720	718	722	589	495	701	763	704	605	525	435	457	488	549	488	413	378	421	10171
Wayne	224	242	248	187	149	224	218	214	195	171	172	184	229	246	247	214	156	213	3733
Webster	1454	1476	1431	1345	1164	1440	1586	1457	1286	1011	958	1043	1096	1085	1009	835	640	765	21081
Winnebago	390	439	441	516	286	368	454	447	354	309	258	276	313	302	299	295	269	237	6253
Winneshiek	705	727	721	1053	1083	647	763	640	567	488	457	445	475	454	450	340	296	332	10643
Woodbury	3572	3945	3833	3564	3302	3739	3978	3792	3246	2389	2107	2190	2449	2380	2123	1709	1318	1355	50991
Worth	241	269	280	239	174	253	279	303	226	212	200	190	239	242	207	228	151	177	4110
Wright	473	485	509	411	300	463	502	486	452	347	343	372	439	482	435	362	282	335	7478
State of Iowa	94449	102037	99430	98018	96977	104358	111710	105567	91765	73891	65820	63746	66948	66554	59763	51231	38950	40739	1431953

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

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

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

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

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

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

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

Counts (1990) and Estimates (1997) of Residents Under the Age of 65 and 65 or Older in Iowa's Counties

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As part of the process of estimating the total population of counties between the decennial censuses, the U.S. Bureau of the Census obtains information that allows an estimate of the number of residents 65 years of age or older and those under the age of 65. The estimates for 1 July 1997 were released in March of 1998. They are included with the 1990 census counts in Table 1. In the state, residents 65 or older increased by 3,960 (or 0.9%) from 1990 to 1997. The gain among residents younger than 65 was 71,632; the rate of increase was 3.0 percent.

A third (33) of Iowa's 99 counties had more residents 65 or older in 1997 than in 1990 (Figure 1) according to bureau estimates. Gains were 100 or more in 21 counties; increases in the top three (Linn, Polk, Scott) totaled 5,719, or nearly 2,000 more than the change reported for the state as a whole.

Of the 66 counties estimated to have fewer residents 65 or older in 1997 than in 1990, nine dropped by at least 200. Another 31 reported declines from 100 to 199. Decreases of 5 percent or more from the 1990 count of those 65 or older occurred in 22 predominantly rural counties; declines in Fremont and Wayne exceeded 10 percent. Another nine counties, most of which contain or are close to urban centers, had gains in this age group of at least 5 percent; Johnson and Warren had estimated increases greater than 10 percent.

Fifty-seven counties had more residents under the age of 65 in 1997 than in 1990. Increases exceeded 1,000 in 17 counties, although only Linn and Polk had gains of at least 10,000. Benton, Dallas, Madison, and Mills were estimated to have gains of at least 10 percent; another 14 had increases from 5 to 9 percent.

Of the 42 counties with fewer residents under the age of 65 in 1997 than in the 1990 census, only Black Hawk and Webster declined by more than 1,000. Twenty-one others dropped by 200 to 999 residents. Decreases greater than 5 percent occurred only in Adams, Audubon, Cherokee, Emmet, Ida, Palo Alto, and Pocahontas.

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

The rates of percentage change differed between the age groups by at least 10 points in 11 counties. In Benton and Dallas, both older and younger groups increased, but the gain was at least 10 points higher among those under 65. In eight counties (Boone, Davis, Henry, Iowa, Jefferson, Madison, Monroe, Taylor), percentage increases occurred among younger residents while declines took place in the older age group and the gaps were greater than 10 percentage points. In Wayne, both groups decreased, with those 65 or older dropping by at least 10 points more than younger residents.

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

Table 1. Estimated Population (1997), Population (1990), and Estimated Change (1990-1997) Among Residents 65 or Older and Younger than 65 in Iowa's Counties.

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1997	1 April 1990	Estimated Change 1990-1997		1 July 1997	1 April 1990	Estimated Change 1990-1997	
			Number	Percent			Number	Percent
Adair	1827	1962	-135	-6.9	6405	6447	-42	-0.7
Adams	960	1062	-102	-9.6	3460	3804	-344	-9.0
Allamakee	2671	2697	-26	-1.0	11320	11158	162	1.5
Appanoose	2681	2943	-262	-8.9	10830	10800	30	0.3
Audubon	1574	1693	-119	-7.0	5240	5641	-401	-7.1
Benton	3812	3725	87	2.3	21207	18704	2503	13.4
Black Hawk	17089	16820	269	1.6	104413	106978	-2565	-2.4
Boone	4298	4506	-208	-4.6	21860	20680	1180	5.7
Bremer	3718	3788	-70	-1.8	19586	19025	561	2.9
Buchanan	3109	3240	-131	-4.0	18030	17604	426	2.4
Buena Vista	3561	3569	-8	-0.2	16004	16396	-392	-2.4
Butler	3192	3236	-44	-1.4	12503	12495	8	0.1
Calhoun	2565	2729	-164	-6.0	8861	8779	82	0.9
Carroll	3947	3818	129	3.4	17756	17605	151	0.9
Cass	3025	3170	-145	-4.6	11718	11958	-240	-2.0
Cedar	2986	2976	10	0.3	14983	14468	515	3.6
Cerro Gordo	8154	7881	273	3.5	38217	38852	-635	-1.6
Cherokee	2640	2604	36	1.4	10778	11494	-716	-6.2
Chickasaw	2317	2382	-65	-2.7	11118	10913	205	1.9
Clarke	1545	1539	6	0.4	6692	6748	-56	-0.8
Clay	3003	2892	111	3.8	14597	14693	-96	-0.7
Clayton	3335	3459	-124	-3.6	15456	15595	-139	-0.9
Clinton	8086	8133	-47	-0.6	42138	42907	-769	-1.8
Crawford	2839	2923	-84	-2.9	13550	13852	-302	-2.2
Dallas	4531	4340	191	4.4	31234	25415	5819	22.9
Davis	1442	1560	-118	-7.6	6972	6752	220	3.3
Decatur	1565	1706	-141	-8.3	6625	6632	-7	-0.1
Delaware	2730	2645	85	3.2	15719	15390	329	2.1
Des Moines	6885	6893	-8	-0.1	35238	35721	-483	-1.4
Dickinson	3269	3096	173	5.6	12716	11813	903	7.6
Dubuque	12753	12095	658	5.4	75331	74308	1023	1.4
Emmet	2164	2180	-16	-0.7	8767	9389	-622	-6.6
Fayette	4034	4179	-145	-3.5	17961	17664	297	1.7
Floyd	3209	3328	-119	-3.6	13263	13730	-467	-3.4
Franklin	2129	2283	-154	-6.7	8745	9081	-336	-3.7
Fremont	1571	1774	-203	-11.4	6269	6452	-183	-2.8
Greene	2194	2258	-64	-2.8	7849	7787	62	0.8
Grundy	2403	2423	-20	-0.8	9877	9606	271	2.8
Guthrie	2267	2305	-38	-1.6	9165	8630	535	6.2
Hamilton	2917	2956	-39	-1.3	13141	13115	26	0.2
Hancock	2194	2282	-88	-3.9	9844	10356	-512	-4.9
Hardin	3902	4032	-130	-3.2	14610	15062	-452	-3.0
Harrison	2765	2842	-77	-2.7	12581	11888	693	5.8
Henry	3039	3184	-145	-4.6	16909	16042	867	5.4
Howard	1991	2130	-139	-6.5	7719	7679	40	0.5
Humboldt	2217	2261	-44	-1.9	8181	8495	-314	-3.7
Ida	1665	1701	-36	-2.1	6270	6664	-394	-5.9
Iowa	2678	2753	-75	-2.7	12790	11877	913	7.7
Jackson	3334	3297	37	1.1	16763	16653	110	0.7
Jasper	5799	5541	258	4.7	29901	29254	647	2.2

Table 1. Estimated Population (1997), Population (1990), and Estimated Change (1990-1997) Among Residents 65 or Older and Younger than 65 in Iowa's Counties (continued).

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1997	1 April 1990	Estimated Change 1990-1997		1 July 1997	1 April 1990	Estimated Change 1990-1997	
			Number	Percent			Number	Percent
Jefferson	2261	2397	-136	-5.7	14759	13913	846	6.1
Johnson	8009	7095	914	12.9	94309	89024	5285	5.9
Jones	3213	3104	109	3.5	17068	16340	728	4.5
Keokuk	2282	2405	-123	-5.1	9213	9219	-6	-0.1
Kossuth	3381	3530	-149	-4.2	14527	15061	-534	-3.5
Lee	6152	6443	-291	-4.5	32502	32244	258	0.8
Linn	22485	20455	2030	9.9	159219	148312	10907	7.4
Louisa	1754	1744	10	0.6	10180	9848	332	3.4
Lucas	1828	1871	-43	-2.3	7239	7199	40	0.6
Lyon	2158	2126	32	1.5	9802	9826	-24	-0.2
Madison	2106	2243	-137	-6.1	11627	10240	1387	13.5
Mahaska	3664	3790	-126	-3.3	18158	17742	416	2.3
Marion	4977	4833	144	3.0	26283	25168	1115	4.4
Marshall	6478	6675	-197	-3.0	32311	31601	710	2.2
Mills	1843	1803	40	2.2	12544	11399	1145	10.0
Mitchell	2384	2376	8	0.3	8679	8552	127	1.5
Monona	2288	2393	-105	-4.4	7710	7641	69	0.9
Monroe	1514	1672	-158	-9.4	6531	6442	89	1.4
Montgomery	2469	2636	-167	-6.3	9438	9440	-2	-0.0
Muscatine	5470	5315	155	2.9	35742	34592	1150	3.3
O'Brien	3060	3174	-114	-3.6	11860	12270	-410	-3.3
Osceola	1287	1412	-125	-8.9	5712	5855	-143	-2.4
Page	3411	3529	-118	-3.3	13719	13341	378	2.8
Palo Alto	2134	2198	-64	-2.9	7940	8471	-531	-6.3
Plymouth	3972	3838	134	3.5	20677	19550	1127	5.8
Pocahontas	1916	2071	-155	-7.5	6919	7454	-535	-7.2
Polk	40237	37557	2680	7.1	313995	289583	24412	8.4
Pottawattamie	11791	11003	788	7.2	73614	71625	1989	2.8
Poweshiek	3309	3187	122	3.8	15690	15846	-156	-1.0
Ringgold	1286	1319	-33	-2.5	4051	4101	-50	-1.2
Sac	2590	2723	-133	-4.9	9300	9601	-301	-3.1
Scott	18283	17274	1009	5.8	139150	133699	5451	4.1
Shelby	2723	2674	49	1.8	10395	10556	-161	-1.5
Sioux	4651	4408	243	5.5	26439	25495	944	3.7
Story	7504	7160	344	4.8	67078	67092	-14	-0.0
Tama	3344	3376	-32	-0.9	14292	14043	249	1.8
Taylor	1566	1715	-149	-8.7	5580	5399	181	3.4
Union	2256	2459	-203	-8.3	10205	10291	-86	-0.8
Van Buren	1513	1557	-44	-2.8	6312	6119	193	3.2
Wapello	6286	6675	-389	-5.8	29072	29021	51	0.2
Warren	4466	3941	525	13.3	35254	32092	3162	9.9
Washington	3630	3634	-4	-0.1	17225	15978	1247	7.8
Wayne	1648	1852	-204	-11.0	5176	5215	-39	-0.7
Webster	6890	7093	-203	-2.9	31726	33249	-1523	-4.6
Winnebago	2302	2339	-37	-1.6	9758	9783	-25	-0.3
Winneshiek	3238	3196	42	1.3	17657	17651	6	0.0
Woodbury	14064	14429	-365	-2.5	88028	83847	4181	5.0
Worth	1513	1667	-154	-9.2	6251	6324	-73	-1.2
Wright	3101	3151	-50	-1.6	11077	11118	-41	-0.4
State of Iowa	429268	425308	3960	0.9	2423155	2351523	71632	3.0

Figure 1. Estimated change in number aged 65 or older, 1990-1997.

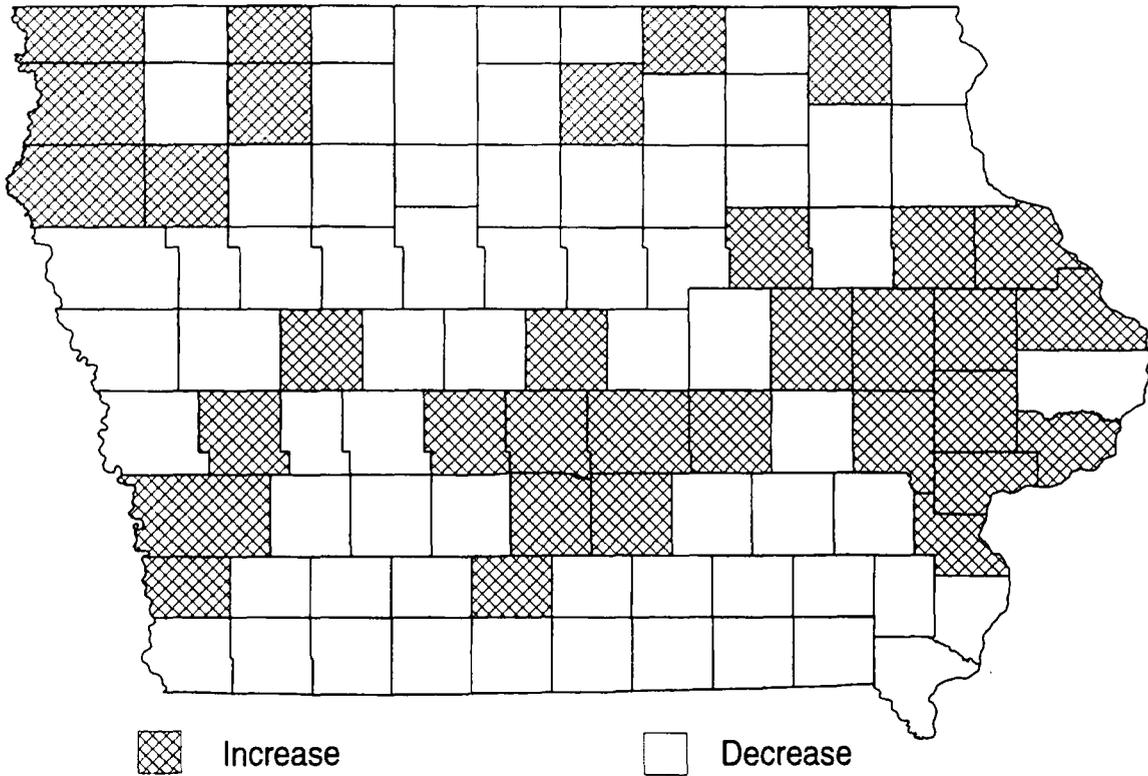
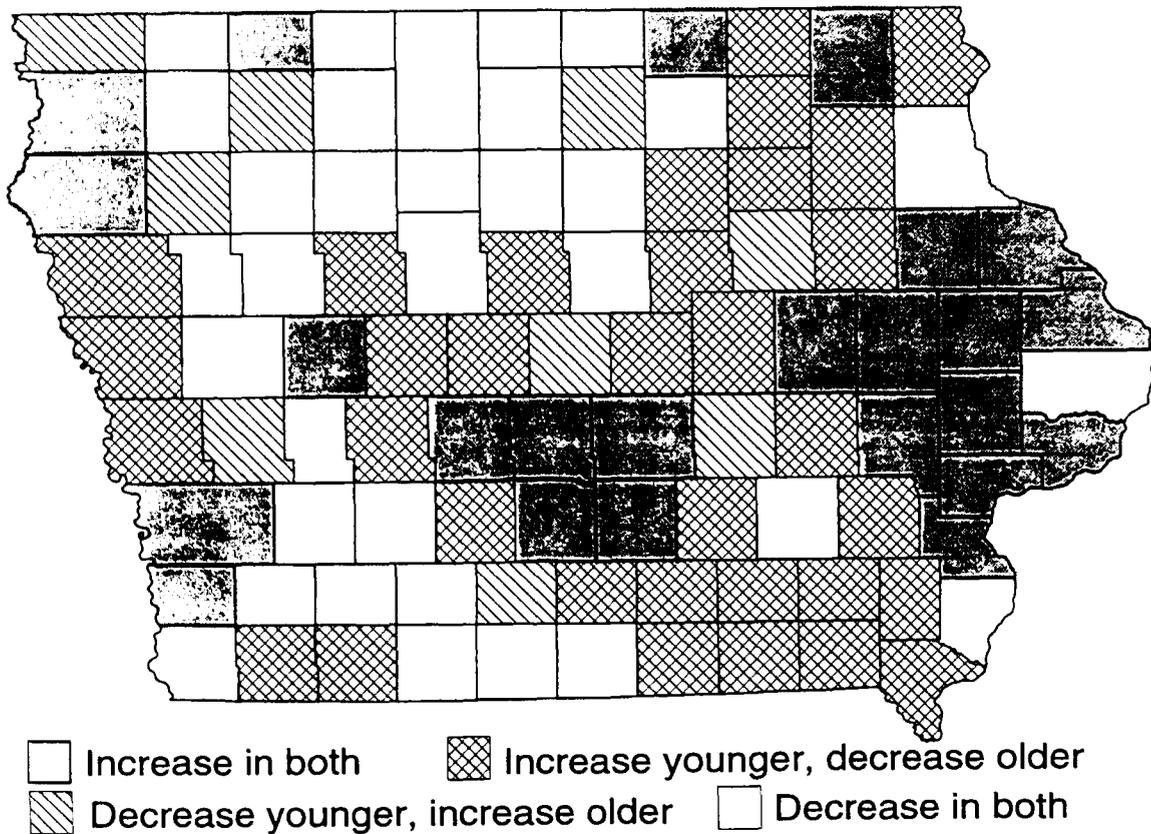


Figure 2. Estimated change in number aged 65 or older and under 65, 1990-1997.



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

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The numbers of Iowans in various age groups are projected to change in coming decades, according to information obtained by the State of Iowa from Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009). Economic models drive this set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually; these were released in 1998 for the 2000-2020 period. For this report, age is divided into three broad categories: 19 or younger, 20-64, and 65 or older.

Potential Changes in the State

Numbers for the state are expected to increase each decade between 1990 and 2020 among those 65 or older (Table 1). Indeed, the gain is predicted to increase across the decades: 12,000 from 1990 to 2000, 43,000 from 2000 to 2010, and 155,000 from 2010 to 2020. Much of the acceleration in growth in this age category will occur because baby-boomers will begin reaching the age of 65 after 2010. Those 65 or older will become an increasing percentage of all residents as well. In 1990, 15.3 percent of all Iowans were 65 or older; in 2020, that may increase to 20.6 percent.

Those 20 through 64 years of age are projected to increase by 122,000 in the 1990s and by 92,000 in the first decade of the next century but decline by 50,000 from 2010 to 2020. The youngest group—those under the age of 20—is expected to decrease in two of these three decades. From 1990 to 2000, the prediction is that this age group will decrease by 22,000; a decline of 43,000 may take place in the next decade, although a gain of 7,000 is anticipated from 2010 to 2020.

The projection for 2020 suggests that the number of youth will be about 58,000 lower than the count for this group in 1990. Among those in the 20-64 category, growth is anticipated to be about 165,000 between 1990 and 2020. But an even bigger gain could occur among those 65 or older, where the projected increase is nearly 210,000 over that 30-year period.

These numerical changes would result in percentage differences from 1990 to 2020 as well, with the percentage of youth dropping from 29.0 to 24.2, while the percentage of the population 65 or older will increase from 15.3 to 20.6. This will be reflected in a gradual increase in the median age of Iowa residents; the median—that point at which half the residents were older and half were younger—in 1990 was 34.0 (Table 2). It is projected to increase to 37.6 in 2000, 40.6 in 2010, and 42.4 in 2020.

Potential Changes in Counties

Because change is anticipated to be greatest among the oldest of the three age groups for the state, it is not surprising that those 65 and older are subject to relatively large changes across counties. Only four counties are projected to have declines from 1990 to 2020 in this age category, none of which would decline by as much as 200 (Table 1). Gains in other counties could be substantial; for example, increases of at least 10,000 are predicted for Black Hawk, Linn, Polk, and Scott, while another 52 each may gain 1,000 to 9,999 in those 30 years. Gains could exceed 50 percent in 31 counties; in two of these counties—Johnson and Warren—the 1990 numbers of residents 65 or older could double by 2020. Most of the large percentage gains are predicted to occur in urban counties although rural counties will continue to have somewhat greater percentages of older residents throughout the period.

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

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older
Adair	8409	2279	4149	1981	8190	2040	4270	1870	8060	1750	4380	1940	8010	1770	3900	2360
Adams	4866	1293	2516	1057	4480	1140	2380	930	4430	1130	2360	940	4390	1140	2240	1010
Allamakee	13855	4095	7063	2697	14010	3840	7390	2760	13970	3400	7610	2970	14000	3080	7080	3860
Appanoose	13743	3828	6969	2946	13570	3510	7160	2910	13380	3040	7370	2980	13340	2740	6820	3800
Audubon	7334	2002	3636	1696	6830	1700	3510	1640	6680	1520	3500	1680	6610	1650	3140	1820
Benton	22429	6718	11988	3723	25170	7050	13960	4190	26790	6850	15210	4740	28530	6950	15060	6520
Black Hawk	123798	36511	70392	16895	124730	34060	73490	17180	129460	31700	77880	16590	135100	32340	74880	27880
Boone	25186	6789	13866	4531	25990	6580	14710	4680	26210	6100	15070	5050	26620	5980	14140	6520
Bremer	22813	6667	12340	3806	23540	6210	13440	3900	24130	5620	14070	4440	24910	5540	13090	6300
Buchanan	20844	6911	10689	3244	21330	6570	11440	3320	21670	5950	12050	3670	22180	5680	11370	5120
Buena Vista	19965	5892	10498	3575	19870	5600	10770	3500	19850	3890	11100	3530	19930	5120	10750	4070
Butler	15731	4502	7998	3231	15770	4170	8290	3300	15710	3630	8470	3620	15750	3230	7750	4760
Calhoun	11508	3094	5683	2731	11310	2760	5850	2700	10890	2350	5770	2780	10520	2190	5360	2980
Carroll	21423	6842	10772	3809	21850	6490	11380	3970	22600	6090	12060	4450	23520	5920	11760	5860
Cass	15128	4194	7765	3169	14760	3830	7820	3110	14310	3360	7770	3210	13980	3060	6950	3980
Cedar	17444	5024	9424	2933	17880	4810	9990	3080	18050	4310	10270	3480	18370	3930	9660	4770
Cerro Gordo	46733	13036	25811	7886	46560	12230	26440	7880	46390	11330	26750	8320	46560	11110	25170	10260
Cherokee	14098	4125	7362	2611	13380	3710	7210	2450	13060	3290	7100	2670	12800	2990	6380	3410
Chickasaw	13295	4055	6872	2368	13630	3890	7300	2440	13970	3630	7680	2690	14380	3390	7290	3710
Clarke	8287	2358	4390	1539	8320	2190	4530	1580	8450	1970	4680	1790	8650	2080	4300	2260
Clay	17585	5259	9425	2901	17820	4950	9890	3000	18410	4600	10370	3430	19120	4500	10040	4570
Clayton	19054	5705	9898	3451	18870	5280	10150	3420	18790	4720	10430	3610	18770	4500	8400	4580
Clinton	51040	14946	27943	8151	50250	13640	28530	8070	49630	12090	29000	8550	49330	11560	26750	11010
Crawford	16775	5125	8732	2918	16380	4610	8880	2890	16020	4000	8970	3080	15770	3720	8070	3990
Dallas	29755	8963	16442	4350	34540	9690	19800	5030	36060	9250	21160	5650	37860	9260	20680	7900
Davis	8312	2473	4281	1558	8480	2350	4510	1600	8550	2050	4580	1910	8700	1960	4120	2600
Decatur	8338	2406	4222	1710	8140	2050	4440	1690	7950	1600	4600	1730	7800	1580	4080	2150
Delaware	18035	5963	9417	2655	18690	5730	10250	2700	19130	5310	10830	3000	19650	5160	10460	4050
Des Moines	42614	12080	23610	6924	42380	11120	24420	6810	41840	9870	24750	7220	41580	9500	22780	9290
Dickinson	14909	3817	7995	3097	16050	3820	8870	3370	16860	3470	9430	3950	17790	3290	8910	5600
Dubuque	86403	26397	47865	12141	89410	25220	51580	12610	92280	23410	54570	14290	95560	23280	52680	19590
Emmet	11569	3514	5872	2183	10960	3200	5640	2140	10580	2870	5520	2190	10280	2760	5150	2350
Fayette	21843	6323	11337	4183	22230	5970	12010	4240	22610	5440	12560	4620	23160	5240	11810	6100

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

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

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older
Floyd	17058	4834	8875	3349	16370	4260	8920	3200	15930	3670	8950	3310	15600	3400	7990	4200
Franklin	11364	3160	5926	2278	10910	2890	5860	2140	10640	2620	5860	2150	10420	2490	5330	2620
Fremont	8226	2343	4108	1775	7810	2070	4110	1650	7570	1770	4240	1540	7350	1720	3800	1850
Greene	10045	2688	5095	2262	9990	2570	5130	2300	9630	2350	5070	2210	9370	2360	4770	2230
Grundy	12029	3300	6319	2410	12390	3190	6710	2510	12510	2850	7040	2620	12710	2510	6590	3600
Guthrie	10935	2926	5713	2296	11490	2900	6200	2370	11650	2720	6450	2490	11880	2690	6110	3100
Hamilton	16071	4444	8658	2969	15990	4100	8900	2980	15680	3560	8930	3190	15440	3250	8150	4040
Hancock	12638	3838	6512	2288	12120	3550	6420	2160	12000	3290	6540	2180	11950	3070	6070	2820
Hardin	19094	5417	9628	4049	18520	4820	9750	3960	18080	4200	9680	4190	17750	3870	8710	3860
Harrison	14730	4311	7551	2868	15310	4220	8180	2890	15460	3850	8470	3150	15710	3520	8030	4180
Henry	19226	5416	10629	3181	20280	5250	11730	3290	21250	4930	12760	3580	22370	4880	12620	4880
Howard	9809	2802	4884	2123	9680	2690	4910	2080	9440	2440	5040	1970	9270	2360	4700	2200
Humboldt	10756	2966	5527	2263	10310	2720	5410	2190	10020	2500	5250	2250	9800	2350	4890	2560
Ida	8365	2504	4165	1696	8100	2300	4100	1700	8110	2000	4270	1820	8140	1840	4120	2190
Iowa	14630	4036	7837	2757	15810	4130	8780	2920	16840	4060	9580	3210	17970	4040	9540	4400
Jackson	19950	6058	10580	3312	20120	5660	11110	3340	20250	5080	11490	3680	20450	4790	10720	4940
Jasper	34795	9721	19528	5546	35650	9200	20790	5670	35980	8220	21590	6140	36550	8030	20400	8130
Jefferson	16310	4381	9528	2401	17280	4350	10520	2410	18170	4340	11190	2620	19250	4390	11090	3780
Johnson	96119	25584	63397	7138	107370	27000	72510	7840	121840	29990	82310	9560	137420	34940	88400	14080
Jones	19444	5467	10876	3101	21200	5450	12390	3370	22630	5140	13660	3840	24180	5190	13660	5320
Keokuk	11624	3307	5907	2410	11610	3170	6040	2410	11620	2990	6170	2450	11710	2740	6030	2940
Kossuth	18591	5568	9497	3526	17760	4900	9400	3460	17070	4090	9220	3750	16480	3510	8150	4830
Lee	38687	10872	21335	6480	38740	10040	22270	6450	38290	8840	22640	6800	38110	8440	20860	8800
Linn	168767	48060	100212	20495	185000	48890	113730	19480	198610	47770	124550	26290	213250	50740	124820	37670
Louisa	11592	3449	6401	1742	12130	3510	6900	1720	12430	3410	7300	1690	12850	3340	7470	2040
Lucas	9070	2469	4723	1878	8990	2320	4830	1870	8820	2150	4800	1880	8710	2150	4560	2000
Lyon	11952	3900	5903	2149	12110	3840	6120	2150	12460	3830	6180	2440	12870	3740	6150	2970
Madison	12483	3774	6459	2250	13800	3940	7450	2430	14100	3670	7900	2520	14500	3470	7550	3480
Mahaska	21532	6230	11489	3803	21880	5980	12050	3840	22130	5530	12540	4060	22520	5430	11960	5150
Marion	30001	8838	16321	4842	31890	8790	17960	5110	33160	8250	19240	5670	34670	8320	18700	7660
Marshall	38276	10559	21035	6682	39200	10010	22290	6890	39940	9110	23160	7660	40980	8780	21730	10490
Mills	13202	3949	7441	1812	14130	4040	8210	1860	14310	3730	8740	1860	14590	3670	8390	2560
Mitchell	10928	3093	5452	2383	11210	3130	5610	2450	11420	3160	5560	2700	11680	3050	5560	3060

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

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older	Total	19 or Younger	18-64	65 or Older
Monona	10034	2663	4990	2381	9940	2520	5050	2360	9800	2320	5100	2400	9690	2320	4730	2650
Monroe	8114	2249	4193	1672	8190	2120	4360	1700	8360	1780	4790	1800	8600	1920	4440	2230
Montgomery	12076	3276	6163	2637	11830	3040	6200	2600	11630	2720	6230	2690	11500	2510	5830	3160
Muscatine	39907	12242	22328	5337	41490	12090	24100	5310	42280	11340	25350	5590	43360	11430	24560	7390
O'Brien	15444	4476	7779	3189	15000	4060	7780	3150	14860	3530	7910	3430	14770	3210	7380	4180
Osceola	7267	2151	3710	1406	6970	1860	3700	1410	6710	1580	3630	1500	6470	1490	3240	1740
Page	16870	4631	8705	3534	16650	4260	8920	3480	16310	3630	9060	3640	16070	3180	8320	4550
Palo Alto	10669	3191	5289	2189	10140	2870	5150	2120	10180	2680	5290	2210	10270	2620	4990	2670
Plymouth	23388	7492	12080	3816	24730	7440	13160	4130	25350	6860	13850	4630	26090	6550	13330	6220
Pocahontas	9525	2658	4789	2078	9020	2480	4540	2000	9100	2660	4370	2080	9190	2830	4200	2160
Polk	327140	91783	197674	37683	363970	95930	226930	41100	388460	95990	246150	46330	415890	102850	248340	64710
Pottawattamie	82628	24845	46727	11056	85460	24110	49950	11410	86650	22450	51500	12690	88400	22270	49350	16780
Poweshiek	19033	5576	10269	3188	19140	5170	10800	3180	19550	4800	11290	3440	20070	4860	10640	4570
Ringgold	5420	1400	2707	1313	5370	1310	2810	1260	5400	1180	2940	1270	5470	1240	2830	1390
Sac	12324	3516	6103	2705	12020	3270	6000	2750	12080	3040	5920	3110	12210	2820	5610	3800
Scott	150973	46407	87244	17328	159850	45940	95760	18150	166070	43730	101450	20890	173530	44870	99010	29650
Shelby	13230	3882	6655	2693	12900	3540	6720	2650	12460	3090	6600	2780	12140	2830	5940	3400
Sioux	29903	10336	15158	4409	31930	10290	16950	4700	33800	9820	18610	5310	35910	9910	18610	7370
Story	74252	20488	46599	7165	75670	20010	48220	7440	78270	20260	49750	8250	81410	21290	48920	11200
Tama	17419	4943	9092	3384	17940	4700	9750	3520	18570	4380	10340	3850	19320	4400	9900	5040
Taylor	7114	1984	3414	1716	7180	1800	3660	1710	7170	1590	3840	1740	7190	1600	3610	1990
Union	12750	3705	6581	2464	12580	3420	6710	2420	12490	3140	6970	2360	12510	3100	6620	2780
Van Buren	7676	2160	3948	1568	7870	2100	4210	1580	8000	1900	4420	1690	8190	1970	4140	2080
Wapello	35696	9666	19346	6675	36260	9110	20380	6770	37430	8510	21600	7330	38910	8540	20800	9590
Warren	36033	11438	20650	3945	40390	11780	24260	4350	42830	11210	26400	5230	45610	11590	25980	8020
Washington	19612	5667	10304	3641	21430	5790	11670	3960	23160	5700	12910	4570	25040	5870	13010	6170
Wayne	7067	1786	3425	1856	6780	1590	3410	1770	6560	1410	3510	1640	6390	1410	3270	1710
Webster	40342	11652	21577	7113	38570	10350	21310	6910	37370	9240	20950	7190	36380	8680	19020	8680
Winnebago	12122	3626	6178	2318	11940	3440	6230	2270	11830	3380	6130	2320	11810	3390	5780	2640
Winneshiek	20847	6342	11292	3213	21080	4960	11910	3220	21350	5650	12210	3460	21710	5740	11640	4360
Woodbury	98276	30567	53266	14443	105100	30970	58850	15280	111330	30140	64100	17070	118380	30970	64870	22540
Worth	7991	2159	4164	1668	7820	1960	4230	1650	7700	1730	4340	1630	7630	1710	4030	1890
Wright	14269	3767	7343	3159	14170	3510	7500	3160	13740	3090	7430	3230	13420	2860	6630	3940
State of Iowa	2776831	806174	1544475	426106	2889920	784610	1667000	438300	2981640	741500	1759090	481040	3093550	748090	1709310	636140

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

County	Census	Woods and Poole Economics (1998)			County	Census	Woods and Poole Economics (1998)		
	1990	2000	2010	2020		1990	2000	2010	2020
Adair	39.3	43.4	47.4	50.2	Jefferson	37.0	39.8	42.8	44.9
Adams	40.1	42.5	41.9	39.8	Johnson	27.1	28.8	30.3	31.1
Allamakee	36.5	40.6	46.1	50.4	Jones	34.6	38.5	42.3	45.7
Appanoose	37.8	42.1	47.1	51.1	Keokuk	37.2	40.8	44.5	48.5
Audubon	40.3	43.2	45.9	44.0	Kossuth	36.6	41.2	47.6	52.8
Benton	34.7	38.7	41.8	44.3	Lee	35.8	39.7	43.7	46.7
Black Hawk	32.9	36.9	40.4	42.7	Linn	33.1	36.7	39.2	40.8
Boone	36.6	40.3	44.3	47.1	Louisa	34.3	36.7	38.6	40.1
Bremer	35.2	39.7	44.1	47.1	Lucas	38.9	41.3	42.3	42.3
Buchanan	33.4	37.7	41.9	45.4	Lyon	34.8	38.0	41.4	44.9
Buena Vista	33.8	36.5	38.7	40.5	Madison	36.1	39.7	43.9	47.9
Butler	37.9	42.0	47.6	52.5	Mahaska	34.8	38.6	41.8	44.2
Calhoun	39.8	42.3	45.8	48.7	Marion	34.2	38.0	41.2	43.5
Carroll	34.2	38.2	42.7	46.5	Marshall	36.7	40.7	45.1	48.5
Cass	38.3	42.3	47.4	51.5	Mills	35.1	38.4	41.1	42.6
Cedar	36.1	40.1	45.1	49.7	Mitchell	38.2	40.8	42.9	44.6
Cerro Gordo	35.3	39.0	42.0	43.9	Monona	40.5	43.5	45.8	45.2
Cherokee	37.2	41.0	46.5	50.8	Monroe	37.8	41.4	43.8	43.2
Chickasaw	35.7	40.0	45.3	50.0	Montgomery	38.6	41.8	45.3	48.4
Clarke	36.6	40.3	43.7	44.1	Muscatine	33.0	36.0	38.5	39.8
Clay	35.1	39.0	43.4	46.6	O'Brien	36.9	40.8	46.4	50.6
Clayton	35.9	39.8	44.2	47.5	Osceola	35.8	40.0	43.8	45.5
Clinton	35.1	39.2	42.7	44.9	Page	38.2	41.7	46.8	51.3
Crawford	35.3	39.9	44.5	48.0	Palo Alto	37.3	41.1	44.9	47.1
Dallas	34.6	38.4	41.4	43.4	Plymouth	34.1	38.4	42.7	46.6
Davis	36.1	40.3	45.5	49.1	Pocahontas	39.1	41.4	41.2	38.8
Decatur	35.5	40.3	45.3	49.2	Polk	32.3	35.5	37.6	38.8
Delaware	32.7	36.4	40.4	43.3	Pottawattamie	33.5	37.2	40.3	42.3
Des Moines	35.9	39.8	43.2	45.4	Poweshiek	34.4	38.3	41.8	44.5
Dickinson	39.7	43.6	49.8	55.5	Ringgold	42.1	44.2	44.5	41.4
Dubuque	33.1	37.0	40.5	43.1	Sac	38.2	42.2	47.2	51.9
Emmet	36.2	39.4	42.2	42.4	Scott	32.4	35.7	38.4	39.9
Fayette	36.3	40.3	44.9	48.6	Shelby	37.2	41.3	46.4	50.4
Floyd	37.9	42.1	46.9	49.9	Sioux	31.0	34.1	37.4	40.2
Franklin	38.0	41.6	45.5	47.4	Story	25.7	28.1	30.4	31.8
Fremont	38.7	42.3	44.4	43.6	Tama	37.2	41.5	45.6	48.3
Greene	39.4	42.0	44.3	43.5	Taylor	40.0	43.3	46.1	45.9
Grundy	38.8	43.0	48.3	53.3	Union	36.4	40.0	42.3	43.8
Guthrie	39.9	43.2	47.1	49.8	Van Buren	37.8	41.8	44.1	44.1
Hamilton	37.2	41.0	45.9	49.8	Wapello	37.0	40.7	44.7	47.2
Hancock	35.4	39.2	43.7	48.3	Warren	32.8	36.5	39.4	41.3
Hardin	37.8	41.9	47.3	51.2	Washington	35.6	39.3	42.7	45.4
Harrison	36.5	40.5	45.5	49.9	Wayne	42.3	44.5	45.9	45.4
Henry	34.6	38.5	41.7	44.8	Webster	35.5	39.6	43.5	46.1
Howard	37.6	40.8	42.8	42.3	Winnebago	35.9	38.8	40.7	41.2
Humboldt	38.6	42.0	45.8	48.6	Winneshiek	31.8	34.4	37.4	40.0
Ida	36.8	40.5	44.7	45.4	Woodbury	32.9	36.1	38.9	40.5
Iowa	36.5	40.2	44.0	47.8	Worth	38.2	41.4	44.3	45.3
Jackson	35.0	39.3	43.9	47.4	Wright	38.9	42.8	48.0	51.8
Jasper	36.1	40.1	43.8	46.3					
					State of Iowa	34.0	37.6	40.6	42.4

Among residents 20 through 64 years of age, 55 counties can anticipate increases between 1990 and 2020. Gains may range from less than 1,000 in 30 counties to more than 10,000 in Johnson, Linn, Polk, Scott, and Woodbury. Of the 44 counties in which declines among those 20-64 may occur, drops could be less than 1,000 in 40; none of the decreases are anticipated to be as great as 3,000. More than three-fifths (62) of the counties are expected to change from 1990 to 2020 by fewer than 10 percentage points in either direction among residents 20-64 years of age.

Youth constituted the only age category projected to decline for the state as a whole from 1990 to 2020. That trend is reflected across the counties as well, with 87 anticipated to have fewer residents 19 or younger at the end of the period than at the beginning. Eight of these declines could be greater than 2,000; 23 others are projected to decrease by 1,000 to 1,999 in this age group. Gains in the 12 counties that may have more youth in 2020 than in 1990 also are expected to be relatively small in most areas. In only Johnson, Linn, and Polk do projections suggest increases of at least 1,000. The gains among youth in Johnson and Polk could be greater than 10,000. In 25 of Iowa's 99 counties, these changes may be less than 10 percentage points in either direction when 1990 and 2020 are compared.

Changes also are projected for median age between 1990 and 2020. All but three counties may see increases in median age in the 30-year period (Table 2). Although that may not happen in Adams, Pocahontas, or Ringgold, these counties already had relatively high medians in 1990 and the drops are predicted to be relatively small. Among the remaining 96 counties, median ages may increase in 28 of them by less than the 8.4 years predicted for the state. But another 49 could have increases of at least 10 years in median age; among these, Dickinson and Kossuth could see medians at least 15 years older in 2020 than those reported in 1990.

Median age is predicted to increase between each decade from 1990 to 2020 for the state. That trend may occur in 86 of the counties. In others, variations from this pattern tend to be minor. By 2020, 16 counties may have medians of at least 50.0 years; medians in another 7 are projected to be less than 40.0. The remaining 76 of Iowa's 99 counties may have medians ranging from 40.0 to 49.9 years of age in 2020.

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

Estimates of Residents by Race and Hispanic Origin in Iowa's Counties: 1990 and 1997

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The U.S. Bureau of the Census annually updates estimates of the population of states and counties by race and Hispanic origin. The latest estimates, which refer to 1997, were released in September of 1998. The racial categories listed are American Indian, Eskimo, or Aleut; Asian or Pacific Islander; black; and white. The sum of these four groups equals the total population reported in Table 1. The category reported as Hispanic origin constitutes a classification separate and independent of race. Persons of Hispanic origin may be of any race according to procedures used by the census bureau.

In 1997, Iowa's white residents accounted for 96.5 percent of the total population, which was about a half-point lower than in 1990 (97.1%). The statewide estimate for whites in 1997 was an increase of 2.1 percent (+57,500) from the figure in 1990. In 1997, more than 100,000 white residents lived in Black Hawk, Linn, Polk, and Scott; when the nine counties with from 40,000 to 100,000 whites were added to these four, nearly half (49.6%) of all white residents were accounted for in 13 of Iowa's 99 counties.

Blacks, the largest racial minority in 1990 (48,417), continued to be the most numerous in 1997 (55,634) with an estimated increase of nearly 15 percent (+7,200) during the period (Table 1). Black Hawk, Polk, and Scott were the only counties with at least 5,000 blacks in 1997; they contained nearly two-thirds (64.8%) of the state's total. A third (33) of Iowa's counties were estimated to have fewer than 10 black residents in 1997. Blacks constituted an estimated 2.0 percent of Iowa's 1997 population, a slight increase from the 1.7 percent reported in 1990.

Iowa's population of Asian and Pacific Islanders was the second largest racial minority in both 1990 (25,715) and 1997 (35,778) (Table 1). Numerical (+10,100) and percentage (+39.1%) changes were larger for this group than for blacks. More than half (52.2%) of Iowa's Asians lived in Johnson, Polk, or Story counties in 1997 and all but Adams and Audubon had at least 15 Asian residents that year. This group was 1.3 percent of Iowa's population in 1997, which reflected an increase from the 0.9 percent listed for 1990.

American Indians, the smallest racial minority in Iowa, increased 10.3 percent (+800) between 1990 and 1997 (Table 1). Estimated at 8,511 in 1997, nearly half (46.5%) lived in three counties (Polk, Tama, Woodbury). While Polk had the highest numbers in all other groups, more American Indians lived in Woodbury than any other county in both 1990 and 1997. Only 0.3 percent of Iowa's residents were American Indians at both time periods.

Residents of Hispanic origin were estimated to number 53,092 in Iowa in 1997. This group has shown the largest increase in both numbers (+20,400) and percent (+62.6%) between 1990 and 1997 of any minority group in the state (Table 1). Nearly half (49.8%) of Hispanic residents were estimated to live in Muscatine, Polk, Scott, or Woodbury counties in 1997. About 1.9 percent of Iowa's residents were in this category that year, while Hispanics accounted for 1.2 percent in 1990.

The latest population estimates suggest that, while Iowa's overall racial and Hispanic composition differs little from that of the 1990 census, some groups have changed substantially. Hispanics in particular have grown rapidly and are estimated to number nearly the same as blacks, traditionally Iowa's largest minority group.

These figures, while indicating increases, still may underestimate numbers in the minority categories. Readers can compare these estimates with numbers reported for K-12 youth in a section in this volume entitled "Ethnicity of K-12 Students in Iowa's Counties: 1982, 1987, 1992-1997." Although the comparisons are not exact, they suggest potential problems with the county estimates reported here. For

Table 1. Estimates of Residents by Race or Hispanic Origin in Iowa's Counties, 1990 and 1997.

County	1997						1990					
	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*
Adair	8232	4	25	1	8202	51	8409	5	19	1	8384	35
Adams	4420	7	4	3	4406	21	4866	7	3	3	4853	18
Allamakee	13991	25	45	22	13899	79	13855	21	31	5	13798	42
Appanoose	13511	30	42	80	13359	105	13743	27	36	79	13601	72
Audubon	6814	3	7	6	6798	33	7334	3	6	1	7324	22
Benton	25019	36	82	30	24871	178	22429	31	45	20	22333	93
Black Hawk	121502	228	1337	9093	110844	1406	123798	231	1013	8550	114004	912
Boone	26158	21	111	60	25966	167	25186	19	78	62	25027	99
Bremer	23304	14	168	71	23051	111	22813	11	133	70	22599	72
Buchanan	21139	27	63	36	21013	182	20844	24	44	38	20738	112
Buena Vista	19565	19	515	62	18969	234	19965	17	397	56	19495	160
Butler	15695	13	35	4	15643	58	15731	12	26	4	15689	37
Calhoun	11426	26	28	111	11261	63	11508	11	23	30	11444	40
Carroll	21703	31	96	25	21551	130	21423	19	57	8	21339	57
Cass	14743	20	18	9	14696	61	15128	22	16	9	15081	46
Cedar	17969	17	75	20	17857	183	17444	17	49	16	17362	109
Cerro Gordo	46371	44	346	333	45648	1512	46733	45	264	307	46117	994
Cherokee	13418	35	39	19	13325	64	14098	37	32	20	14009	51
Chickasaw	13435	4	25	4	13402	72	13295	4	18	4	13269	40
Clarke	8237	10	27	8	8192	26	8287	8	21	3	8255	19
Clay	17600	36	122	11	17431	77	17585	31	83	8	17463	44
Clayton	18791	15	33	8	18735	91	19054	16	27	7	19004	61
Clinton	50224	143	285	829	48967	470	51040	125	205	732	49978	294
Crawford	16389	29	106	57	16197	133	16775	33	89	59	16594	98
Dallas	35765	61	126	84	35494	338	29755	44	70	63	29578	176
Davis	8414	26	26	2	8360	66	8312	25	21	2	8264	41
Decatur	8190	17	89	38	8046	57	8338	17	73	35	8213	45
Delaware	18449	33	66	38	18312	178	18035	15	32	11	17977	68
Des Moines	42123	68	306	1428	40321	789	42614	70	230	1329	40985	492
Dickinson	15985	27	45	23	15890	98	14909	22	26	16	14845	52
Dubuque	88084	106	592	384	87002	672	86403	85	442	357	85519	437
Emmet	10931	9	34	22	10866	83	11569	13	31	19	11506	63
Fayette	21995	18	64	67	21846	303	21843	16	51	48	21728	195
Floyd	16472	21	75	10	16366	129	17058	13	47	8	16990	92
Franklin	10874	8	21	8	10837	217	11364	8	18	7	11331	152
Fremont	7840	8	19	6	7807	66	8226	9	16	4	8197	53
Greene	10043	10	37	5	9991	46	10045	10	30	5	10000	30
Grundy	12280	9	30	7	12234	57	12029	9	21	7	11992	34
Guthrie	11432	27	25	9	11371	64	10935	19	15	7	10894	35
Hamilton	16058	23	123	12	15900	181	16071	21	90	10	15950	116
Hancock	12038	8	31	2	11997	188	12638	7	29	1	12601	129
Hardin	18512	31	74	114	18293	155	19094	26	56	118	18894	106
Harrison	15346	18	72	10	15246	87	14730	15	51	10	14654	50
Henry	19948	68	300	222	19358	208	19226	44	215	212	18755	127
Howard	9710	9	26	6	9669	35	9809	7	20	5	9777	24
Humboldt	10398	29	32	9	10328	56	10756	15	27	9	10705	37
Ida	7935	11	27	11	7886	40	8365	5	19	1	8340	23
Iowa	15468	15	51	11	15391	73	14630	11	34	7	14578	39
Jackson	20097	24	35	24	20014	148	19950	23	24	18	19885	96
Jasper	35700	87	247	137	35229	324	34795	66	177	65	34487	194

*Hispanics can be of any race.

Table 1. Estimates of Residents by Race or Hispanic Origin in Iowa's Counties, 1990 and 1997 (continued).

County	1997						1990					
	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*
Jefferson	17020	27	175	105	16713	193	16310	24	139	93	16054	141
Johnson	102318	225	5337	2383	94373	2447	96119	187	3851	2002	90079	1435
Jones	20281	52	43	291	19895	174	19444	35	23	301	19085	95
Keokuk	11495	20	36	6	11433	29	11624	19	27	6	11572	19
Kossuth	17908	7	65	7	17829	125	18591	8	59	8	18516	94
Lee	38654	66	181	1287	37120	1147	38687	61	137	1128	37361	732
Linn	181704	433	2032	4011	175228	2744	168767	369	1408	3352	163638	1591
Louisa	11934	34	28	98	11774	669	11592	36	19	86	11451	425
Lucas	9067	21	23	8	9015	81	9070	20	18	4	9028	53
Lyon	11960	17	49	9	11885	29	11952	15	35	2	11900	11
Madison	13733	49	27	5	13652	121	12483	37	16	5	12425	67
Mahaska	21822	23	238	42	21519	143	21532	17	180	44	21291	92
Marion	31260	50	407	125	30678	262	30001	43	284	104	29570	162
Marshall	38789	111	423	328	37927	456	38276	106	302	279	37589	292
Mills	14387	38	25	20	14304	133	13202	28	18	23	13133	72
Mitchell	11063	1	32	3	11027	76	10928	1	21	2	10904	45
Monona	9998	26	19	8	9945	45	10034	26	13	5	9990	30
Monroe	8045	15	39	23	7968	25	8114	16	33	19	8046	18
Montgomery	11907	12	15	5	11875	73	12076	12	13	5	12046	52
Muscatine	41212	130	414	303	40365	4594	39907	118	306	221	39262	2900
O'Brien	14920	32	60	12	14816	56	15444	32	52	8	15352	39
Osceola	6999	6	17	3	6973	18	7267	9	16	3	7239	16
Page	17130	49	106	235	16740	320	16870	52	85	84	16649	197
Palo Alto	10074	19	19	8	10028	30	10669	23	18	8	10620	24
Plymouth	24649	18	82	43	24506	101	23388	15	53	49	23271	58
Pocahontas	8835	10	17	4	8804	35	9525	11	17	4	9493	32
Polk	354232	1064	8824	17714	326630	10607	327140	954	6053	14872	305261	6161
Pottawattamie	85405	272	455	545	84133	2459	82628	246	290	468	81624	1514
Poweshiek	18999	29	272	107	18591	110	19033	23	192	88	18730	68
Ringgold	5337	11	22	1	5303	25	5420	10	18	1	5391	16
Sac	11890	12	22	4	11852	61	12324	14	20	4	12286	44
Scott	157433	572	1975	9236	145650	7012	150973	520	1373	8050	141030	4251
Shelby	13118	21	25	7	13065	69	13230	20	20	5	13185	44
Sioux	31090	37	324	38	30691	150	29903	32	211	25	29635	66
Story	74582	117	4533	1284	68648	1270	74252	107	3480	1203	69462	840
Tama	17636	852	86	33	16665	192	17419	814	65	31	16509	128
Taylor	7146	10	25	1	7110	70	7114	8	19	1	7086	46
Union	12461	22	60	11	12368	62	12750	22	51	10	12667	42
Van Buren	7825	5	26	12	7782	43	7676	8	18	10	7640	29
Wapello	35358	100	237	293	34728	337	35696	98	172	271	35155	224
Warren	39720	73	238	108	39301	484	36033	52	146	90	35745	277
Washington	20855	18	76	96	20665	341	19612	16	54	90	19452	196
Wayne	6824	8	18	1	6797	34	7067	8	16	1	7042	29
Webster	38616	113	214	898	37391	717	40342	118	166	886	39172	490
Winnebago	12060	15	104	27	11914	147	12122	17	82	31	11992	97
Winneshiak	20895	6	255	57	20577	94	20847	5	198	43	20601	61
Woodbury	102092	2038	1795	2173	96086	4253	98276	1895	1291	1901	93189	2712
Worth	7764	2	17	15	7730	125	7991	3	14	15	7959	91
Wright	14178	15	59	10	14094	139	14269	15	43	10	14201	92
State of Iowa	2852423	8511	35778	55634	2752500	53092	2776831	7716	25715	48417	2694983	32643

example, Buena Vista and Marshall are reported to have far more K-12 Hispanic students in 1997 than the total (all ages) Hispanics noted in this section. This suggests that rapid changes are not always captured by the bureau in these estimates by race and Hispanic origin. Thus, caution is urged in interpreting them.

Note: The 1990 figures are called estimates here although they were based on counts from the census conducted that year. In 1990, a racial category of "other" was available for selection on the census form. For estimation purposes in the years that followed, the bureau reallocated those in the "other" racial category to the four remaining groups (American Indian, Eskimo, Aleut; Asian or Pacific Islander; black, white). In Iowa, most selecting the "other" racial category in 1990 were Hispanics who considered themselves to be white, which the bureau knew from responses to a related question. Thus, about 11,900 of the approximately 12,800 who selected "other" in 1990 were reallocated to white for these estimates. So were about 300 to black, 250 to Asian or Pacific Islander, and 350 to American Indian, Eskimo, or Aleut. Those wanting to see the 1990 figures with the "other" racial category included can review the section on "Race and Hispanic Origin in Iowa's Counties: 1980-1990" in the 1991 edition of this volume.

Estimated Net Migration in Iowa's Counties: 1990-1997

Willis Goudy, Iowa State University
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As part of the process of estimating the population of counties between decennial censuses, the U.S. Bureau of the Census examines migration. When it releases its figures, the bureau includes an estimate of net migration as one of the components of population change. The estimates reported in this section cover the period from 1 April 1990 to 1 July 1997.

According to the census bureau, the State of Iowa had more people entering than leaving from 1 April 1990 to 1 July 1997. The difference between the totals moving in and out was relatively small, however, with a net immigration of 5,053 (Table 1). This near balance of in- and outmigrants contrasts greatly with the last several decades in this state, when far more left than arrived.

Forty-six counties had more residents entering than leaving from 1 April 1990 to 1 July 1997. Benton, Dallas, Dickinson, Linn, Madison, Polk, and Warren had net immigration exceeding 1,000. Polk's figure of nearly 6,700 was far greater than the others; Dallas and Linn were the only other counties with at least 3,000 more arriving than departing. Black Hawk, Cerro Gordo, Clinton, Des Moines, Scott, Story, and Webster were reported to have at least 1,000 more moving out than in during the 1990s. Nineteen counties had total net migration of less than 100 in either direction.

The U.S. Bureau of the Census divides net migration into domestic and international components. Those migrating within the United States, which is called domestic migration, include those moving from one state to another. In Iowa, net domestic migration was estimated to be -10,291, which means that more left Iowa from 1 April 1990 to 1 July 1997 than arrived from other states (Table 1). Counties with net domestic outmigration exceeding 1,000 included Black Hawk, Cerro Gordo, Clinton, Des Moines, Dubuque, Johnson, Muscatine, Scott, Story, Webster, and Woodbury. Those with at least 1,000 more entering than leaving included Benton, Dallas, Dickinson, Linn, Madison, Polk, and Warren. Nineteen counties had net domestic migration totals of less than 100 in either direction. Another 14 had domestic net in- or outmigration totals of 100 to 199. Thus, a third (33) of Iowa's 99 counties had net changes attributed to domestic migration of less than 200 in the period measured by the census bureau.

When individuals moving to and from other countries were examined, the state was estimated to have 15,344 more entering than leaving (Table 1). Net international migration consists of legal immigration to the United States as reported by the Immigration and Naturalization Service, an estimate of net undocumented immigration from abroad, an estimate of emigration from the United States, and net movement between Puerto Rico and the United States.

Net international migration resulted in more in- than outmigrants in all but four Iowa counties (Cherokee, Clarke, Jackson, Lyon). Generally, net international migration was small in number, however. In 17 counties, for example, the change was less than 10 from 1 April 1990 to 1 July 1997. In another 19, net immigration from other countries was 10-19. Thus, more than a third of Iowa's counties changed by less than 20 through net international migration. A quarter (3,909 or 25.5%) of Iowa's total net migration from other countries occurred in Polk County. The numbers in Johnson, Linn, Scott, and Woodbury also exceeded 1,000. These five (Johnson, Linn, Polk, Scott, Woodbury) accounted for three-fifths (60.0%) of the net international migration estimated by the U.S. Bureau of the Census.

Without net immigration from other countries, Iowa would not have total net immigration from 1 April 1990 to 1 July 1997. The net figure for domestic movement was negative, indicating that more left Iowa for other states than entered during this period. Caution is urged in drawing conclusions, however; a review suggests that these state and county estimates have fluctuated rather substantially in the 1990s.

Table 1. Estimated Net Migration in Iowa's Counties, 1990-1997.

County	Total Estimated Net Migration	Estimated Net Domestic Migration	Estimated Net International Migration	County	Total Estimated Net Migration	Estimated Net Domestic Migration	Estimated Net International Migration
Adair	41	31	10	Jefferson	595	330	265
Adams	-335	-340	5	Johnson	41	-1215	1256
Allamakee	204	160	44	Jones	419	388	31
Appanoose	17	-11	28	Keokuk	-125	-152	27
Audubon	-313	-320	7	Kossuth	-599	-630	31
Benton	1699	1682	17	Lee	-310	-356	46
Black Hawk	-5499	-5930	431	Linn	3329	2109	1220
Boone	955	913	42	Louisa	95	-112	207
Bremer	407	372	35	Lucas	94	82	12
Buchanan	-317	-336	19	Lyon	-157	-151	-6
Buena Vista	-614	-867	253	Madison	1217	1211	6
Butler	238	227	11	Mahaska	-21	-74	53
Calhoun	329	317	12	Marion	863	796	67
Carroll	-51	-77	26	Marshall	641	411	230
Cass	-169	-199	30	Mills	889	881	8
Cedar	298	266	32	Mitchell	256	250	6
Cerro Gordo	-1044	-1141	97	Monona	252	237	15
Cherokee	-622	-607	-15	Monroe	29	22	7
Chickasaw	108	80	28	Montgomery	-15	-27	12
Clarke	17	23	-6	Muscatine	-590	-1386	796
Clay	-226	-269	43	O'Brien	-421	-439	18
Clayton	-266	-284	18	Osceola	-257	-265	8
Clinton	-1600	-1710	110	Page	679	651	28
Crawford	-565	-596	31	Palo Alto	-279	-287	8
Dallas	4393	4155	238	Plymouth	742	713	29
Davis	48	43	5	Pocahontas	-461	-473	12
Decatur	-23	-39	16	Polk	6699	2790	3909
Delaware	-203	-220	17	Pottawattamie	-365	-580	215
Des Moines	-1192	-1251	59	Poweshiek	-155	-183	28
Dickinson	1319	1288	31	Ringgold	182	176	6
Dubuque	-944	-1098	154	Sac	-196	-222	26
Emmet	-512	-581	69	Scott	-1274	-2472	1198
Fayette	-1	-29	28	Shelby	-74	-83	9
Floyd	-459	-511	52	Sioux	-143	-227	84
Franklin	-376	-399	23	Story	-2821	-3562	741
Fremont	-150	-167	17	Tama	199	159	40
Greene	126	94	32	Taylor	208	166	42
Grundy	302	290	12	Union	-59	-71	12
Guthrie	600	594	6	Van Buren	205	197	8
Hamilton	-216	-272	56	Wapello	-71	-164	93
Hancock	-590	-633	43	Warren	2206	2135	71
Hardin	-367	-389	22	Washington	861	727	134
Harrison	711	700	11	Wayne	-11	-36	25
Henry	384	258	126	Webster	-1967	-2020	53
Howard	53	32	21	Winnebago	25	-23	48
Humboldt	-177	-215	38	Winneshiek	-369	-465	96
Ida	-203	-215	12	Woodbury	-999	-2630	1631
Iowa	591	571	20	Worth	-121	-130	9
Jackson	-194	-192	-2	Wright	121	91	30
Jasper	454	424	30				
				State of Iowa	5053	-10291	15344

Estimated Population (1996) and Census Counts (1990) in Selected Subdivisions in Iowa's Counties

Willis Goudy, Iowa State University

The U.S. Bureau of the Census estimates the population of selected geographic areas between decennial censuses; the most recent data, which are for 1996, were released in November of 1997. Figures are provided for incorporated places by county along with the number living outside of places (balance of county) (Table 1). Some incorporated places cross county boundaries; such places are designated by (part) in the table. Those counted among the balance of a county's population include farm residents and those living in unincorporated areas but not on farms.

The U.S. Bureau of the Census introduced a new method for creating population estimates with the release of the 1996 estimates. A distributive housing method was developed, which was based on estimated residential construction, new mobile homes, and estimated housing loss since the 1990 census. Rates of vacancies and of persons per household were held constant from those obtained in 1990.

The bureau cautions that these estimates have a large margin of error, especially for areas with fewer than 5,000 residents. That includes most incorporated places in the State of Iowa; basically, the smaller the place, the greater the chance for error. The estimate for the balance of the county, which is that remaining after the population in incorporated places is taken into consideration, also is subject to error.

Table 1. Population in Incorporated Places and the Balance of the County in Iowa's Counties, 1990 and 1996.

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Adair County	8224	8409	Black Hawk County	122806	123798
Adair (part)	812	830	Cedar Falls	34884	34298
Bridgewater	205	209	Dunkerton	737	746
Casey (part)	15	15	Elk Run Heights	1073	1088
Fontanelle	701	712	Evansdale	4597	4638
Greenfield	2027	2074	Gilbertville	744	748
Orient	367	376	Hudson	2060	2037
Stuart (part)	526	529	Janesville (part)	130	133
Balance of Adair County	3571	3664	La Porte City	2106	2128
Adams County	4494	4866	Raymond	611	619
Carbon	54	60	Waterloo	65022	66467
Corning	1606	1806	Balance of Black Hawk County	10842	10896
Lenox (part)	2	0	Boone County	25875	25186
Nodaway	143	153	Beaver	45	46
Prescott	266	287	Berkley	40	39
Balance of Adams County	2423	2560	Boone	12741	12392
Allamakee County	14002	13855	Boxholm	210	214
Harpers Ferry	299	284	Fraser	124	120
Lansing	1032	1007	Luther	155	154
New Albin	506	534	Madrid	2515	2395
Postville (part)	1398	1465	Ogden	1986	1909
Waterville	143	140	Pilot Mound	201	199
Waukon	3934	4019	Sheldahl (part)	24	22
Balance of Allamakee County	6690	6406	Balance of Boone County	7834	7696
Appanoose County	13616	13743	Bremer County	23280	22813
Centerville	5515	5936	Denver	1522	1600
Cincinnati	372	363	Frederika	201	188
Exline	194	187	Janesville (part)	663	689
Moravia	701	679	Plainfield	437	455
Moulton	642	613	Readlyn	821	773
Mystic	567	545	Sumner	1990	2078
Numa	152	151	Tripoli	1255	1188
Plano	75	75	Waverly	8650	8539
Rathbun	91	89	Balance of Bremer County	7741	7303
Udell	78	76	Buchanan County	21175	20844
Unionville	137	133	Aurora	200	196
Balance of Appanoose County	5092	4896	Brandon	335	320
Audubon County	6894	7334	Fairbank (part)	805	851
Audubon	2390	2524	Hazleton	774	733
Brayton	141	148	Independence	5881	5972
Exira	908	955	Jesup	2141	2121
Gray	76	83	Lamont	453	471
Kimballton	268	289	Quasqueton	625	579
Balance of Audubon County	3111	3335	Rowley	281	272
Benton County	24510	22429	Stanley (part)	118	116
Atkins	814	637	Winthrop	769	742
Belle Plaine	2931	2834	Balance of Buchanan County	8793	8471
Blairstown	707	672	Buena Vista County	19862	19965
Garrison	330	320	Albert City	759	779
Keystone	603	568	Alta	1819	1820
Luzerne	113	110	Lakeside	546	522
Mount Auburn	139	134	Linn Grove	185	194
Newhall	940	854	Marathon	303	320
Norway	627	583	Newell	1056	1089
Shellsburg	942	765	Rembrandt	216	229
Urbana	754	595	Sioux Rapids	767	792
Van Horne	743	695	Storm Lake	8880	8769
Vinton	5387	5103	Truesdale	125	132
Walford (part)	727	290	Balance of Buena Vista County	5206	5319
Balance of Benton County	8753	8269			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Butler County	15781	15731	Cerro Gordo County	46584	46733
Allison	986	1000	Clear Lake	8298	8183
Aplington	1058	1034	Dougherty	102	107
Aredale	84	88	Mason City	28972	29040
Bristow	194	197	Meservey	280	292
Clarksville	1357	1382	Plymouth	438	453
Dumont	695	705	Rock Falls	155	155
Greene	1130	1142	Rockwell	994	1008
New Hartford	677	683	Swaledale	186	190
Parkersburg	1904	1804	Thornton	422	431
Shell Rock	1395	1385	Ventura	589	590
Balance of Butler County	6301	6311	Balance of Cerro Gordo County	6148	6284
Calhoun County	11478	11508	Cherokee County	13477	14098
Farnhamville (part)	399	414	Aurelia	1014	1034
Jolley	63	68	Cherokee	5663	6026
Knierim	66	71	Cleghorn	255	275
Lake City	1818	1841	Larrabee	170	175
Lohrville	430	453	Marcus	1114	1171
Lytton (part)	39	42	Meriden	190	193
Manson	1803	1844	Quimby	311	334
Pomeroy	749	762	Washta	268	284
Rinard	67	71	Balance of Cherokee County	4492	4606
Rockwell City	1910	1981	Chickasaw County	13493	13295
Somers	157	161	Alta Vista	239	246
Yetter	46	49	Bassett	76	74
Balance of Calhoun County	3931	3751	Fredericksburg	1022	1011
Carroll County	21536	21423	Ionia	311	304
Arcadia	467	485	Lawler	509	517
Breda	453	467	Nashua	1460	1476
Carroll	10093	9579	New Hampton	3731	3660
Coon Rapids	1225	1266	North Washington	108	107
Dedham	254	264	Balance of Chickasaw County	6037	5900
Glidden	1119	1099	Clarke County	8255	8287
Halbur	245	215	Murray	699	731
Lanesboro	169	182	Osceola	4215	4164
Lidderdale	194	202	Woodburn	237	240
Manning	1448	1484	Balance of Clarke County	3104	3152
Ralston (part)	105	111	Clay County	17598	17585
Templeton	313	321	Dickens	212	214
Willey	76	78	Everly	694	706
Balance of Carroll County	5375	5670	Fostoria	202	205
Cass County	14930	15128	Gillett Grove	67	67
Anita	1053	1068	Greenville	81	84
Atlantic	7229	7432	Peterson	389	390
Cumberland	299	295	Rossie	71	68
Griswold	1013	1049	Royal	456	466
Lewis	421	433	Spencer	11194	11066
Marne	153	149	Webb	183	167
Massena	381	372	Balance of Clay County	4049	4152
Wiota	162	160	Clayton County	18893	19054
Balance of Cass County	4219	4170	Clayton	41	41
Cedar County	17809	17444	Edgewood (part)	338	325
Bennett	386	395	Elkader	1471	1510
Clarence	933	936	Elkport	80	82
Durant (part)	1611	1540	Farmersburg	275	291
Lowden	743	726	Garber	117	118
Mechanicsville	1057	1075	Garnavillo	729	727
Stanwood	644	646	Guttenberg	2280	2257
Tipton	2967	2998	Littleport	84	88
West Branch	2110	1908	Luana	191	190
Wilton (part)	4	4	Marquette	511	479
Balance of Cedar County	7354	7216			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Clayton County (continued)			Davis County	8447	8312
McGregor	789	797	Bloomfield	2621	2580
Millville	31	32	Drakesville	175	172
Monona	1485	1520	Floris	178	172
North Buena Vista	157	145	Pulaski	259	262
Osterdock	51	49	Balance of Davis County	5214	5126
Postville (part)	14	7			
St. Olaf	120	125	Decatur County	8232	8338
Strawberry Point	1326	1357	Davis City	263	257
Volga	295	306	Decatur City	187	177
Balance of Clayton County	8508	8608	Garden Grove	230	229
			Grand River	170	171
Clinton County	50471	51040	Lamoni	2290	2319
Andover	102	99	Leon	1904	2047
Calamus	376	379	Le Roy	33	34
Camanche	4457	4436	Pleasanton	60	58
Charlotte	351	359	Van Wert	255	249
Clinton	28323	29201	Weldon	150	151
Delmar	505	517	Balance of Decatur County	2690	2646
De Witt	4615	4514			
Goose Lake	217	221	Delaware County	18506	18035
Grand Mound	608	619	Colesburg	444	439
Lost Nation	444	467	Delaware	197	176
Low Moor	273	280	Delhi	486	485
Toronto	135	132	Dundee	174	174
Welton	187	184	Dyersville (part)	62	37
Wheatland	738	723	Earlville	851	822
Balance of Clinton County	9140	8909	Edgewood (part)	531	517
			Greeley	290	284
Crawford County	16503	16775	Hopkinton	705	695
Arion	150	148	Manchester	5398	5137
Aspinwall	50	52	Masonville	127	129
Buck Grove	56	55	Oneida	48	49
Charter Oak	470	497	Ryan	379	382
Deloit	285	296	Balance of Delaware County	8814	8709
Denison	6525	6604			
Dow City	440	439	Des Moines County	42564	42614
Kiron	285	301	Burlington	26853	27208
Manilla	859	898	Danville	987	926
Ricketts	120	122	Mediapolis	1672	1637
Schleswig	820	851	Middletown	410	386
Vail	370	388	West Burlington	3226	3083
Westside	347	348	Balance of Des Moines County	9416	9374
Balance of Crawford County	5726	5776			
			Dickinson County	15725	14909
Dallas County	33900	29755	Arnolds Park	977	953
Adel	3698	3304	Lake Park	1014	996
Bouton	150	149	Milford	2355	2170
Clive (part)	37		Okoboji	888	775
Dallas Center	1518	1454	Orleans	558	560
Dawson	171	174	Spirit Lake	4048	3872
De Soto	1148	1033	Superior	123	128
Dexter	636	628	Terril	368	383
Granger	631	624	Wahpeton	494	484
Grimes (part)	0		West Okoboji	265	263
Linden	225	201	Balance of Dickinson County	4635	4325
Minburn	342	346			
Perry	7269	6652	Dubuque County	88201	86403
Redfield	884	883	Asbury	2241	2013
Urbandale (part)	97		Balltown	76	74
Van Meter	812	751	Bankston	36	35
Waukee	3721	2512	Bernard	134	123
West Des Moines (part)	389	7	Cascade (part)	1514	1430
Woodward	1213	1197	Centralia	132	123
Balance of Dallas County	10959	9840	Dubuque	57312	57538
			Durango	32	34

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Dubuque County (continued)			Fremont County	7918	8226
Dyersville (part)	3794	3659	Farragut	475	498
Epworth	1363	1303	Hamburg	1180	1248
Farley	1376	1348	Imogene	84	88
Graf	63	66	Randolph	235	243
Holy Cross	288	293	Riverton	316	333
Luxemburg	245	257	Shenandoah (part)	2	0
New Vienna	371	376	Sidney	1203	1253
Peosta	396	135	Tabor (part)	900	901
Rickardsville	187	193	Thurman	231	239
Sageville	307	288	Balance of Fremont County	3292	3423
Sherrill	156	148			
Worthington	422	439	Greene County	10120	10045
Zwingle (part)	88	84	Churdan	415	423
Balance of Dubuque County	17668	16444	Dana	69	71
			Grand Junction	800	808
Emmet County	11114	11569	Jefferson	4382	4292
Armstrong	993	1025	Paton	256	255
Dolliver	98	103	Ralston (part)	8	8
Estherville	6479	6720	Rippey	276	275
Gruver	96	102	Scranton	563	583
Ringsted	446	481	Balance of Greene County	3351	3330
Wallingford	225	235			
Balance of Emmet County	2777	2903	Grundy County	12340	12029
			Beaman	187	183
Fayette County	22061	21843	Conrad	1023	964
Arlington	469	465	Dike	910	875
Clermont	528	523	Grundy Center	2583	2491
Elgin	649	637	Holland	218	215
Fairbank (part)	168	167	Morrison	131	125
Fayette	1421	1317	Reinbeck	1635	1605
Hawkeye	454	460	Stout	193	192
Maynard	537	513	Wellsburg	686	682
Oelwein	6395	6493	Balance of Grundy County	4774	4697
Randalia	89	88			
St. Lucas	176	174	Guthrie County	11420	10935
Stanley (part)	0	0	Adair (part)	66	64
Wadena	231	236	Bagley	296	303
Waucoma	275	277	Bayard	546	511
Westgate	201	207	Casey (part)	420	426
West Union	2598	2490	Coon Rapids (part)	0	
Balance of Fayette County	7870	7796	Guthrie Center	1615	1614
			Jamaica	227	232
Floyd County	16538	17058	Menlo	362	356
Charles City	7617	7878	Panora	1130	1100
Colwell	88	94	Stuart (part)	1003	993
Floyd	343	359	Yale	220	220
Marble Rock	341	361	Balance of Guthrie County	5535	5116
Nora Springs	1485	1505			
Rockford	831	863	Hamilton County	16102	16071
Rudd	407	429	Blairsburg	286	269
Balance of Floyd County	5426	5569	Ellsworth	463	451
			Jewell Junction	1090	1106
Franklin County	11017	11364	Kamrar	196	203
Ackley (part)	55	54	Randall	153	161
Alexander	159	170	Stanhope	427	447
Coulter	236	252	Stratford (part)	697	679
Dows (part)	95	100	Webster City	7832	7894
Geneva	164	169	Williams	374	368
Hampton	4030	4133	Balance of Hamilton County	4584	4493
Hansell	82	83			
Latimer	404	430			
Popejoy	91	92			
Sheffield	1139	1174			
Balance of Franklin County	4562	4707			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Hancock County	12152	12638	Humboldt County	10431	10756
Britt	2076	2133	Bode	331	335
Corwith	330	354	Bradgate	113	124
Crystal Lake	258	266	Dakota City	969	1024
Forest City (part)	408	355	Gilmore City (part)	297	319
Garner	2836	2916	Hardy	47	47
Goodell	191	201	Humboldt	4299	4438
Kanawha	721	763	Livermore	414	436
Klemme	547	587	Lu Verne (part)	53	54
Woden	242	259	Ottosen	71	72
Balance of Hancock County	4543	4804	Pioneer	47	46
Hardin County	18682	19094	Renwick	263	287
Ackley (part)	1580	1642	Rutland	142	149
Alden	822	855	Thor	204	205
Buckeye	104	105	Balance of Humboldt County	3181	3220
Eldora	2945	3038	Ida County	8109	8365
Hubbard	782	814	Arthur	259	272
Iowa Falls	5251	5435	Battle Creek	788	818
New Providence	241	240	Galva	378	398
Owasa	36	37	Holstein	1458	1449
Radcliffe	556	574	Ida Grove	2318	2357
Steamboat Rock	335	335	Balance of Ida County	2908	3071
Union	430	448	Iowa County	15381	14630
Whitten	135	137	Ladora	321	308
Balance of Hardin County	5465	5434	Marengo	2375	2270
Harrison County	15230	14730	Millersburg	187	188
Dunlap	1243	1251	North English (part)	973	932
Little Sioux	201	205	Parnell	210	209
Logan	1451	1401	Victor (part)	842	842
Magnolia	218	204	Williamsburg	2427	2174
Missouri Valley	2852	2888	Balance of Iowa County	8046	7707
Modale	290	289	Jackson County	20057	19950
Mondamin	407	403	Andrew	373	319
Persia	301	312	Baldwin	134	137
Pisgah	284	268	Bellevue	2225	2239
Woodbine	1547	1500	La Motte	269	260
Balance of Harrison County	6436	6009	Maquoketa	6086	6130
Henry County	19867	19226	Miles	403	409
Coppock (part)	35	33	Monmouth	172	169
Hillsboro	174	169	Preston	1012	1025
Mount Pleasant	8223	7959	Sabula	687	710
Mount Union	144	140	St. Donatus	152	145
New London	1914	1922	Spragueville	116	118
Olds	204	205	Springbrook	159	165
Rome	134	124	Zwingle (part)	10	10
Salem	474	453	Balance of Jackson County	8259	8060
Wayland	923	838	Jasper County	35470	34795
Westwood	106	104	Baxter	974	938
Winfield	1028	1051	Colfax	2440	2462
Balance of Henry County	6508	6228	Kellogg	634	626
Howard County	9766	9809	Lambs Grove	203	212
Chester	149	158	Lynnville	373	393
Cresco	3661	3669	Mingo	258	252
Elma	652	653	Monroe	1732	1739
Lime Springs	457	438	Newton	15116	14799
Protivin	304	305	Oakland Acres	161	152
Riceville (part)	328	334	Prairie City	1427	1366
Balance of Howard County	4215	4252	Reasnor	192	191
			Sully	827	841
			Valeria	74	69
			Balance of Jasper County	11059	10755

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Jefferson County	16901	16310	Kossuth County (continued)		
Batavia	559	520	Swea City	598	634
Coppock (part)	5	5	Titonka	583	612
Fairfield	10020	9768	Wesley	419	444
Libertyville	279	264	West Bend (part)	6	6
Lockridge	286	270	Whittemore	481	535
Packwood	219	208	Balance of Kossuth County	7517	7663
Pleasant Plain	133	128	Lee County	38879	38687
Balance of Jefferson County	5400	5147	Donnellson	965	940
Johnson County	101609	96119	Fort Madison	11613	11618
Coralville	11789	10347	Franklin	158	152
Hills	669	662	Houghton	128	127
Iowa City	60923	59735	Keokuk	12315	12451
Lone Tree	1021	979	Montrose	1019	957
North Liberty	4039	2926	St. Paul	123	120
Oxford	648	663	West Point	1135	1079
Shueyville	217	223	Balance of Lee County	11423	11243
Solon	1059	1050	Linn County	179411	168767
Swisher	729	645	Alburnett	467	459
Tiffin	557	460	Bertram	230	201
University Heights	953	1042	Cedar Rapids	113482	108772
Balance of Johnson County	19005	17387	Center Point	1821	1693
Jones County	20593	19444	Central City	1061	1063
Anamosa	5578	5100	Coggon	654	645
Cascade (part)	443	382	Ely	657	517
Center Junction	168	166	Fairfax	823	780
Martelle	297	290	Hiawatha	5843	4986
Monticello	3759	3522	Lisbon	1641	1452
Morley	84	85	Marion	22896	20422
Olin	707	663	Mount Vernon	3783	3657
Onslow	219	216	Palo	593	514
Oxford Junction	592	581	Prairieburg	207	213
Wyoming	677	659	Robins	1434	875
Balance of Jones County	8069	7780	Springville	1050	1068
Keokuk County	11594	11624	Walford (part)	10	13
Delta	420	409	Walker	665	673
Gibson	66	63	Balance of Linn County	22094	20764
Harper	151	147	Louisa County	12017	11592
Hayesville	62	62	Columbus City	332	328
Hedrick	797	810	Columbus Junction	1680	1616
Keota	967	1000	Cotter	54	53
Keswick	292	284	Fredonia	222	201
Kinross	91	89	Grandview	527	514
Martinsburg	150	157	Letts	404	390
North English (part)	12	12	Morning Sun	833	841
Ollie	218	207	Oakville	451	442
Richland	505	522	Wapello	2014	2013
Sigourney	2043	2111	Balance of Louisa County	5500	5194
South English	230	224	Lucas County	9054	9070
Thornburg	93	91	Chariton	4462	4616
Webster	98	103	Derby	137	135
What Cheer	721	762	Lucas	230	224
Balance of Keokuk County	4678	4571	Russell	549	531
Kossuth County	18021	18591	Williamson	157	166
Algona	5851	6015	Balance of Lucas County	3519	3398
Bancroft	817	857	Lyon County	11962	11952
Burt	545	575	Alvord	203	204
Fenton	325	346	Doon	489	476
Lakota	275	281	George	1043	1066
Ledyard	153	164	Inwood	823	824
Lone Rock	182	185	Larchwood	798	739
Lu Verne (part)	269	274	Lester	257	257

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Lyon County (continued)			Mitchell County	11130	10928
Little Rock	480	493	Carpenter	105	102
Rock Rapids	2604	2601	McIntire	151	147
Balance of Lyon County	5265	5292	Mitchell	167	170
			Orchard	95	93
Madison County	13663	12483	Osage	3472	3439
Bevington (part)	48	44	Riceville (part)	481	493
Earlham	1239	1157	St. Ansgar	1057	1063
East Peru	142	132	Stacyville	496	481
Macksburg	119	110	Balance of Mitchell County	5106	4940
Patterson	139	128			
St. Charles	609	537	Monona County	9981	10034
Truro	395	391	Blencoe	243	250
Winterset	4669	4196	Castana	161	159
Balance of Madison County	6303	5788	Mapleton	1249	1294
			Moorhead	241	259
Mahaska County	21757	21532	Onawa	2919	2936
Barnes City (part)	190	198	Rodney	73	71
Beacon	549	509	Soldier	204	205
Eddyville (part)	199	188	Turin	94	95
Fremont	719	701	Ute	377	395
Keomah Village	103	99	Whiting	688	683
Leighton	141	142	Balance of Monona County	3732	3687
New Sharon	1130	1136			
Oskaloosa	10594	10600	Monroe County	8113	8114
Rose Hill	175	171	Albia	3813	3870
University Park	596	598	Eddyville (part)	2	2
Balance of Mahaska County	7361	7190	Lovilia	555	566
			Melrose	144	150
Marion County	31359	30001	Balance of Monroe County	3599	3526
Bussey	536	494			
Hamilton	125	115	Montgomery County	11908	12076
Harvey	264	235	Coburg	60	58
Knoxville	8312	8232	Elliott	383	399
Marysville	73	65	Grant	119	123
Melcher-Dallas	1310	1302	Red Oak	6244	6264
Pella	9642	9270	Stanton	690	692
Pleasantville	1584	1536	Villisca	1301	1332
Swan	85	76	Balance of Montgomery County	3111	3208
Balance of Marion County	9428	8676			
			Muscatine County	41158	39907
Marshall County	38868	38276	Atalissa	361	357
Albion	581	585	Conesville	370	334
Clemons	178	173	Durant (part)	7	7
Ferguson	174	166	Fruitland	603	511
Gilman	589	586	Muscatine	23096	22881
Haverhill	142	144	Nichols	362	366
Laurel	280	271	Stockton	188	187
Le Grand	902	854	Walcott (part)	0	0
Liscomb	271	258	West Liberty	2976	2935
Marshalltown	25321	25178	Wilton (part)	2683	2573
Melbourne	674	669	Balance of Muscatine County	10512	9756
Rhodes	270	272			
St. Anthony	119	112	O'Brien County	15030	15444
State Center	1337	1248	Archer	138	145
Balance of Marshall County	8030	7760	Calumet	156	160
			Hartley	1568	1632
Mills County	14054	13202	Moneta	26	29
Emerson	482	476	Paullina	1082	1134
Glenwood	5129	4960	Primghar	916	950
Hastings	191	187	Sanborn	1338	1345
Henderson	219	206	Sheldon (part)	4854	4833
Malvern	1306	1210	Sutherland	683	714
Pacific Junction	587	548	Balance of O'Brien County	4269	4502
Silver City	255	252			
Tabor (part)	98	93			
Balance of Mills County	5787	5270			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

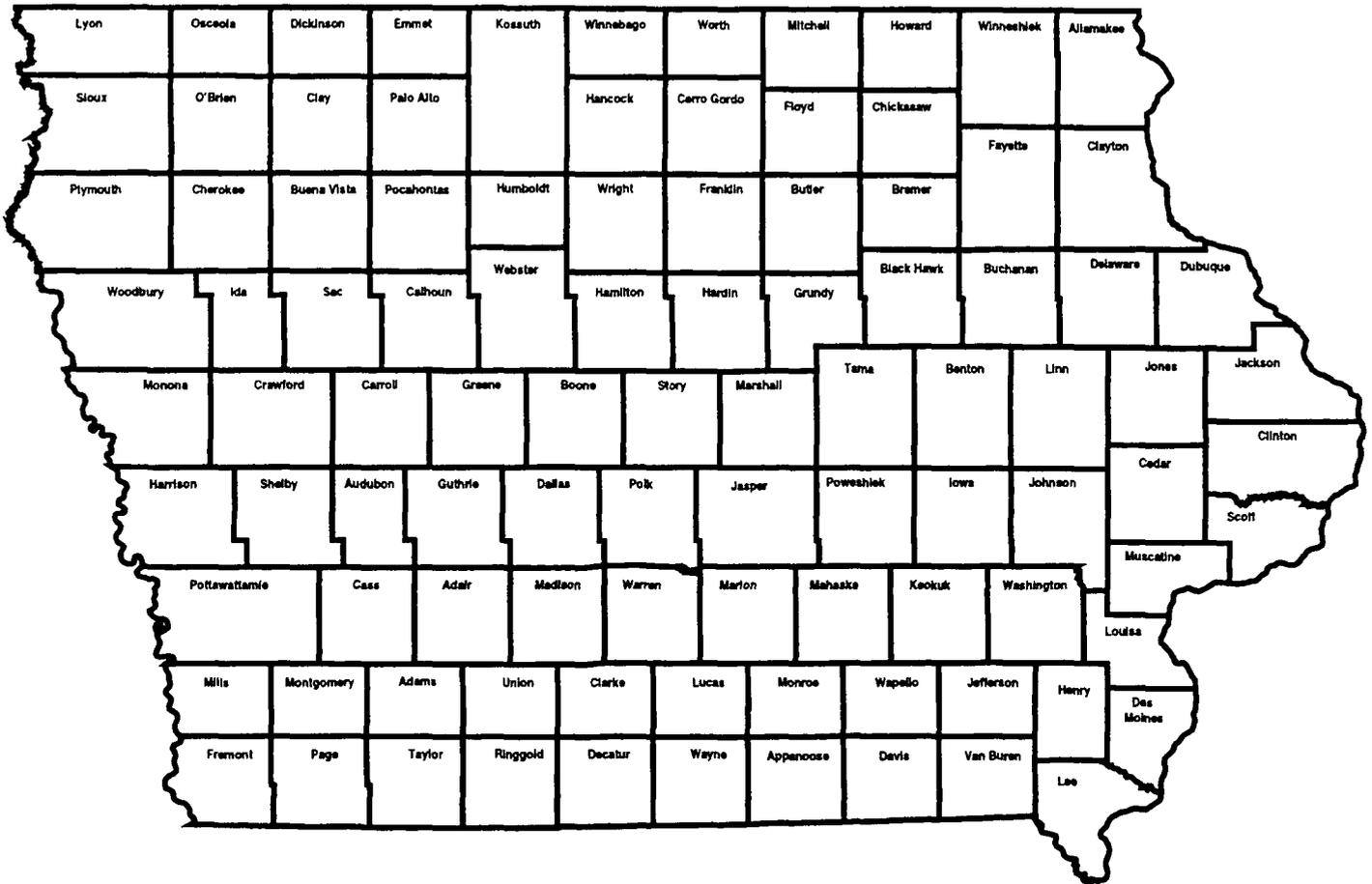
County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Osceola County	7095	7267	Polk County (continued)		
Ashton	434	462	Clive	10382	7462
Harris	161	170	Des Moines	193422	193189
Melvin	243	250	Elkhart	432	388
Ocheyedan	513	539	Grimes	3562	2653
Sibley	2795	2815	Johnston	6196	4702
Balance of Osceola County	2949	3031	Mitchellville	1847	1670
Page County	16784	16870	Pleasant Hill	4586	3671
Blanchard	67	67	Polk City	2092	1908
Braddyville	225	219	Runnells	331	306
Clarinda	5066	5104	Sheldahl (part)	121	122
Coin	265	278	Urbandale	26805	23500
College Springs	231	230	West Des Moines (part)	39991	31695
Essex	894	916	Windsor Heights	5036	5190
Hepburn	42	41	Balance of Polk County	24731	23031
Northboro	80	78	Pottawattamie County	84939	82628
Shambaugh	192	190	Avoca	1473	1497
Shenandoah (part)	5514	5572	Carson	707	705
Yorktown	101	100	Carter Lake	3331	3200
Balance of Page County	4107	4075	Council Bluffs	55569	54315
Palo Alto County	10136	10669	Crescent	462	469
Ayrshire	181	195	Hancock	211	201
Curlew	53	56	Macedonia	262	262
Cylinder	105	112	McClelland	147	139
Emmetsburg	3727	3940	Minden	550	539
Graettinger	771	813	Neola	893	909
Mallard	344	360	Oakland	1479	1496
Rodman	53	56	Shelby (part)	68	67
Ruthven	666	707	Treynor	935	897
West Bend (part)	804	856	Underwood	574	515
Balance of Palo Alto County	3432	3574	Walnut	886	857
Plymouth County	24482	23388	Balance of Pottawattamie County	17392	16560
Akron	1464	1450	Poweshiek County	18975	19033
Brunsville	144	137	Barnes City (part)	22	23
Craig	123	116	Brooklyn	1403	1439
Hinton	767	697	Deep River	339	345
Kingsley	1174	1129	Grinnell	8808	8902
Le Mars	8846	8454	Guernsey	69	70
Merrill	767	729	Hartwick	113	115
Oyens	123	113	Malcom	439	447
Remsen	1556	1513	Montezuma	1626	1651
Struble	71	67	Searsboro	165	164
Westfield	160	160	Victor (part)	128	124
Balance of Plymouth County	9287	8823	Balance of Poweshiek County	5863	5753
Pocahontas County	9001	9525	Ringgold County	5345	5420
Fonda	688	731	Beaconsfield	29	27
Gilmore City (part)	229	241	Benton	39	39
Havelock	203	217	Clearfield (part)	9	10
Laurens	1492	1550	Delphos	23	23
Palmer	215	230	Diagonal	298	298
Plover	93	101	Ellston	44	44
Pocahontas	1999	2085	Kellerton	318	314
Rolfe	674	721	Maloy	35	36
Varina	93	102	Mount Ayr	1694	1796
Balance of Pocahontas County	3315	3547	Redding	119	119
Polk County	354150	327140	Shannon City (part)	5	5
Alleman	353	340	Tingley	178	179
Altoona	8864	7242	Balance of Ringgold County	2554	2530
Ankeny	23484	18482	Sac County	11986	12324
Bondurant	1759	1584	Auburn	283	283
Carlisle (part)	156	5	Early	614	649
			Lake View	1245	1303

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Sac County (continued)			Story County (continued)		
Lytton (part)	259	278	Huxley	2073	2047
Nemaha	103	112	Kelley	228	246
Odebolt	1106	1158	Maxwell	738	788
Sac City	2394	2516	McCallsburg	269	292
Schaller	769	768	Nevada	6052	6009
Wall Lake	849	875	Roland	1023	1035
Balance of Sac County	4364	4382	Sheldahl (part)	166	171
Scott County	157353	150973	Slater	1252	1268
Bettendorf	31015	28139	Story City	2918	2959
Blue Grass	1227	1214	Zearing	573	614
Buffalo	1311	1250	Balance of Story County	8945	8889
Davenport	97010	95333	Tama County	17678	17419
Dixon	221	228	Chelsea	319	336
Donahue	310	316	Clutier	220	219
Durant (part)	6	2	Dysart	1216	1230
Eldridge	3696	3378	Elberon	206	203
Le Claire	2693	2734	Garwin	531	533
Long Grove	638	605	Gladbrook	857	881
Maysville	170	170	Lincoln	170	173
McCausland	303	308	Montour	329	312
New Liberty	148	139	Tama	2794	2697
Panorama Park	125	127	Toledo	2452	2380
Princeton	940	904	Traer	1526	1552
Riverdale	414	419	Vining	77	78
Walcott (part)	1437	1356	Balance of Tama County	6981	6825
Balance of Scott County	15689	14351	Taylor County	7186	7114
Shelby County	13065	13230	Athelstan	32	31
Defiance	307	312	Bedford	1474	1528
Earling	460	466	Blockton	220	213
Elk Horn	664	672	Clearfield (part)	392	407
Harlan	5148	5148	Conway	60	57
Irwin	384	394	Gravity	225	218
Kirkman	94	98	Lenox (part)	1305	1303
Panama	203	201	New Market	473	454
Portsmouth	211	209	Sharpsburg	109	116
Shelby (part)	558	570	Balance of Taylor County	2896	2787
Tennant	77	78	Union County	12613	12750
Westphalia	137	144	Afton	963	953
Balance of Shelby County	4822	4938	Arispe	92	92
Sioux County	31191	29903	Creston	7698	7911
Alton	1107	1063	Cromwell	120	120
Boyden	674	651	Kent	66	65
Chatsworth	104	103	Lorimor	387	377
Granville	298	298	Shannon City (part)	92	92
Hawarden	2462	2439	Thayer	79	79
Hospers	672	643	Balance of Union County	3116	3061
Hull	1820	1724	Van Buren County	7807	7676
Ireton	599	597	Birmingham	406	386
Matlock	92	92	Bonaparte	444	465
Maurice	253	243	Cantril	277	271
Orange City	5375	4940	Farmington	612	655
Rock Valley	2699	2540	Keosauqua	1008	1020
Sheldon (part)	94	71	Milton	523	506
Sioux Center	5599	5074	Mount Sterling	57	53
Balance of Sioux County	9343	9425	Stockport	266	260
Story County	74610	74252	Balance of Van Buren County	4214	4060
Ames	47698	47198	Wapello County	35766	35696
Cambridge	689	714	Agency	613	616
Collins	434	455	Blakesburg	329	333
Colo	752	771	Chillicothe	123	119
Gilbert	800	796			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1996 (cont.).

County/Place/Balance	1996	1990	County/Place/Balance	1996	1990
Wapello County (continued)			Winnebago County	11984	12122
Eddyville (part)	909	846	Buffalo Center	1059	1081
Eldon	1044	1070	Forest City (part)	4045	4075
Kirkville	182	177	Lake Mills	2196	2143
Ottumwa	24187	24488	Leland	304	311
Balance of Wapello County	8379	8047	Rake	228	238
Warren County	39386	36033	Scarville	91	92
Ackworth	65	66	Thompson	478	498
Bevington (part)	23	23	Balance of Winnebago County	3583	3684
Carlisle (part)	3433	3236	Winneshiek County	20963	20847
Cumming	143	132	Calmar	1034	1026
Hartford	799	768	Castalia	176	177
Indianola	12574	11340	Decorah	8360	8063
Lacona	366	357	Fort Atkinson	373	367
Martensdale	499	491	Jackson Junction	83	87
Milo	848	864	Ossian	806	810
New Virginia	439	433	Ridgeway	295	295
Norwalk	6592	5726	Spillville	378	387
St. Marys	112	113	Balance of Winneshiek County	9458	9635
Sandyville	62	59	Woodbury County	102580	98276
Spring Hill	91	86	Anthon	640	638
Balance of Warren County	13340	12339	Bronson	220	209
Washington County	20706	19612	Correctionville	920	897
Ainsworth	541	506	Cushing	238	241
Brighton	694	684	Danbury	424	430
Coppock (part)	12	12	Hornick	231	222
Crawfordsville	274	265	Lawton	540	482
Kalona	2239	1942	Moville	1407	1306
Riverside	914	824	Oto	123	118
Washington	7270	7074	Pierson	336	341
Wellman	1140	1085	Salix	378	367
West Chester	188	178	Sergeant Bluff	3079	2772
Balance of Washington County	7434	7042	Sioux City	83791	80505
Wayne County	6847	7067	Sloan	1004	938
Allerton	606	599	Smithland	268	252
Clio	103	103	Balance of Woodbury County	8981	8558
Corydon	1515	1675	Worth County	7865	7991
Humeston	559	553	Fertile	363	382
Lineville	294	289	Grafton	282	282
Millerton	44	44	Hanlontown	192	193
Promise City	131	132	Joice	244	245
Seymour	774	869	Kensett	281	298
Balance of Wayne County	2821	2803	Manly	1298	1349
Webster County	39014	40342	Northwood	1921	1940
Badger	558	569	Balance of Worth County	3284	3302
Barnum	172	174	Wright County	14327	14269
Callender	371	384	Belmond	2505	2500
Clare	171	183	Clarion	2753	2703
Dayton	774	818	Dows (part)	541	560
Duncombe	483	488	Eagle Grove	3641	3671
Farnhamville (part)	0	0	Galt	43	43
Fort Dodge	24755	25894	Goldfield	697	710
Gowrie	985	1028	Rowan	191	189
Harcourt	289	306	Woolstock	216	212
Lehigh	531	536	Balance of Wright County	3740	3681
Moorland	196	209			
Otho	534	529			
Stratford (part)	35	36			
Vincent	173	185			
Balance of Webster County	8987	9003			



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 following statehood in 1846.

1850 to 1900

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

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

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

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

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

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

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

1900 to 1950

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

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

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

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

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

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

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

*County not officially organized as of this census.

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

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

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

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Monona	10034	11692	12069	13916	16303	18238	18213	17125	16633	17980	14515	9055	3654	832	*
Monroe	8114	9209	9357	10463	11814	14553	15010	23467	25429	17985	13666	13719	12724	8612	2884
Montgomery	12076	13413	12781	14467	15685	15697	16752	17048	16604	17803	15848	15895	5934	1256	*
Muscatine	39907	40436	37181	33840	32148	31296	29385	29042	29505	28242	24504	23170	21688	16444	5731
O'Brien	15444	16972	17522	18840	18970	19293	18409	19051	17262	16985	13060	4155	715	8	*
Osceola	7267	8371	8555	10064	10181	10607	10182	10223	8956	8725	5574	2219	*	*	*
Page	16870	19063	18537	21023	23921	24887	25904	24137	24002	24187	21341	19667	9975	4419	551
Palo Alto	10669	12721	13289	14736	15891	16170	15398	15486	13845	14354	9318	4131	1336	132	*
Plymouth	23388	24743	24322	23906	23252	23502	24159	23584	23129	22209	19568	8566	2199	148	*
Pocahontas	9525	11369	12793	14234	15496	16266	15687	15602	14808	15339	9553	3713	1446	103	*
Polk	327140	303170	286130	266315	226010	195835	172837	154029	110438	82624	65410	42395	27857	11625	4513
Pottawattamie	82628	86561	86991	83102	69682	66756	69888	61550	55832	54336	47430	39850	16893	4968	7828
Poweshiek	19033	19306	18803	19300	19344	18758	18727	19910	19589	19414	18394	18936	15581	5668	615
Ringgold	5420	6112	6373	7910	9528	11137	11966	12919	12904	15325	13556	12085	5691	2923	*
Sac	12324	14118	15573	17007	17518	17639	17641	17500	16555	17639	14522	8774	1411	246	*
Scott	150973	160022	142687	119067	100698	84748	77332	73952	60000	51558	43164	41266	38599	25959	5986
Shelby	13230	15043	15528	15825	15942	16720	17131	16065	16552	17932	17611	12696	2540	818	*
Sioux	29903	30813	27996	26375	26381	27209	26806	26458	25248	23337	18370	5426	576	10	*
Story	74252	72326	62783	49327	44294	33434	31141	26185	24083	23159	18127	16906	11651	4051	*
Tama	17419	19533	20147	21413	21688	22428	21987	21861	22156	24585	22052	21585	16131	5285	8
Taylor	7114	8353	8790	10288	12420	14258	14859	15514	16312	18784	16384	15635	6989	3590	204
Union	12750	13858	13557	13712	15651	16280	17435	17268	16616	19928	16900	14980	5986	2012	*
Van Buren	7676	8626	8643	9778	11007	12053	12603	14060	15020	17354	16253	17043	17672	17081	12270
Wapello	35696	40241	42149	46126	47397	44280	40480	37937	37743	35426	30426	25285	22346	14518	8471
Warren	36033	34878	27432	20829	17758	17695	17700	18047	18194	20376	18269	19578	17980	10281	961
Washington	19612	20141	18967	19406	19557	20055	19822	20421	19925	20718	18468	20374	18952	14235	4957
Wayne	7067	8199	8405	9800	11737	13308	13787	15378	16184	17491	15670	16127	11287	6409	340
Webster	40342	45953	48391	47810	44241	41521	40425	37611	34629	31757	21582	15951	10484	2504	*
Winnebago	12122	13010	12990	13099	13450	13972	13143	13489	11914	12725	7325	4917	1562	168	*
Winneshiek	20847	21876	21758	21651	21639	22263	21630	22091	21729	23731	22528	23938	23570	13942	546
Woodbury	98276	100884	103052	107849	103917	103627	101669	92171	67616	54610	55632	14996	6172	1119	*
Worth	7991	9075	8984	10259	11068	11449	11164	11630	9950	10887	9247	7953	2892	756	*
Wright	14269	16319	17294	19447	19652	20038	20216	20348	17951	18227	12057	5062	2392	653	*
State of Iowa	2776831	2913808	2825368	2757537	2621073	2538268	2470939	2404021	2224771	2231853	1912297	1624615	1194020	674913	192214
United States		226542199	179323175		131669275		105710620		75994575		50155783		31443321		
	248718301		203302031		151325798		122775046		91972266		62947714		39818449		23191876

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

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

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

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

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

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

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Monona	-1658	-377	-1847	-2387	-1935	25	1088	492	-1347	3465	5460	5401	2822	832*
Monroe	-1095	-148	-1106	-1351	-2739	-457	-8457	-1962	7444	4319	-53	995	4112	5728
Montgomery	-1337	632	-1686	-1218	-12	-1055	-296	444	-1199	1955	-47	9961	4678	1256*
Muscatine	-529	3255	3341	1692	852	1911	343	-463	1263	3738	1334	1482	5244	10713
O'Brien	-1528	-550	-1318	-130	-323	884	-642	1789	277	3925	8905	3440	707	8*
Osceola	-1104	-184	-1509	-117	-426	425	-41	1267	231	3151	3355	2219*	*	*
Page	-2193	526	-2486	-2898	-966	-1017	1767	135	-185	2846	1674	9692	5556	3868
Palo Alto	-2052	-568	-1447	-1155	-279	772	-88	1641	-509	5036	5187	2795	1204	132*
Plymouth	-1355	421	416	654	-250	-657	575	455	920	2641	11002	6367	2051	148*
Pocahontas	-1844	-1424	-1441	-1262	-770	579	85	794	-531	5786	5840	2267	1343	103*
Polk	23970	17040	19815	40305	30175	22998	18808	43591	27814	17214	23015	14538	16232	7112
Pottawattamie	-3933	-430	3889	13420	2926	-3132	8338	5718	1496	6906	7580	22957	11925	-2860
Poweshiek	-273	503	-497	-44	586	31	-1183	321	175	1020	-542	3355	9913	5053
Ringgold	-692	-261	-1537	-1618	-1609	-829	-953	15	-2421	1769	1471	6394	2768	2923*
Sac	-1794	-1455	-1434	-511	-121	-2	141	945	-1084	3117	5748	7363	1165	246*
Scott	-9049	17335	23620	18369	15950	7416	3380	13952	8442	8394	1898	2667	12640	19973
Shelby	-1813	-485	-297	-117	-778	-411	1066	-487	-1380	321	4915	10156	1722	818*
Sioux	-910	2817	1621	-6	-828	403	348	1210	1911	4967	12944	4850	566	10*
Story	1926	9543	13456	5033	10860	2293	4956	2102	924	5032	1221	5255	7600	4051*
Tama	-2114	-614	-1266	-275	-740	441	126	-295	-2429	2533	467	5454	10846	5277
Taylor	-1239	-437	-1498	-2132	-1838	-601	-655	-798	-2472	2400	749	8646	3399	3386
Union	-1108	301	-155	-1939	-629	-1155	167	652	-3312	3028	1920	8994	3974	2012*
Van Buren	-950	-17	-1135	-1229	-1046	-550	-1457	-960	-2334	1101	-790	-629	591	4811
Wapello	-4545	-1908	-3977	-1271	3117	3800	2543	194	2317	5000	5141	2939	7828	6047
Warren	1155	7446	6603	3071	63	-5	-347	-147	-2182	2107	-1309	1598	7699	9320
Washington	-529	1174	-439	-151	-498	233	-599	496	-793	2250	-1906	1422	4717	9278
Wayne	-1132	-206	-1395	-1937	-1571	-479	-1591	-806	-1307	1821	-457	4840	4878	6069
Webster	-5611	-2438	581	3569	2720	1096	2814	2982	2872	10175	5631	5467	7980	2504*
Winnebago	-888	20	-109	-351	-522	829	-346	1575	-811	5400	2408	3355	1394	168*
Winneshiek	-1029	118	107	12	-624	633	-461	362	-2002	1203	-1410	368	9628	13396
Woodbury	-2608	-2168	-4797	3932	290	1958	9498	24555	13006	-1022	40636	8824	5053	1119*
Worth	-1084	91	-1275	-809	-381	285	-466	1680	-937	1640	1294	5061	2136	756*
Wright	-2050	-975	-2153	-205	-386	-178	-132	2397	-276	6170	6995	2670	1739	653*
State of Iowa	-136977	88440	67831	136464	82805	67329	66918	179250	-7082	319556	287682	430595	519107	482699
United States	22176102	23240168	23978856	27997387	19656523	8894229	17064426	13738354	15977691	13046861	12791931	10337334	8375128	8251445

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

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

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

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

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Floyd	-13.0	-1.3	-5.9	-1.9	6.6	3.3	3.5	10.2	-3.6	15.1	5.1	36.3	187.6	*
Franklin	-12.8	-1.7	-14.3	-4.9	-0.7	-0.0	3.6	6.9	-1.4	16.5	25.6	116.3	262.0	*
Fremont	-12.5	1.3	-9.7	-16.6	-15.9	-5.7	0.6	-1.1	-15.8	10.1	-4.6	58.0	120.2	307.9
Greene	-17.1	-4.7	-11.6	-7.5	-6.4	0.4	0.4	2.8	-10.1	12.8	24.1	175.1	236.8	*
Grundy	-16.3	1.7	-0.1	3.0	1.5	-4.4	-2.0	6.2	-1.3	4.1	4.6	97.5	706.9	*
Guthrie	-8.7	-2.1	-10.0	-10.5	-11.7	-0.7	-1.5	1.3	-7.2	7.8	20.7	103.9	130.9	*
Hamilton	-10.0	-2.8	-8.2	1.9	-1.3	-5.0	7.4	1.5	-1.4	27.4	36.1	85.8	256.4	*
Hancock	-8.6	2.4	-7.5	-3.1	-2.1	4.1	0.5	15.6	-7.4	80.4	120.7	245.6	458.1	*
Hardin	-12.3	-2.1	-1.3	1.4	-1.4	-1.8	-1.7	11.5	-8.2	19.9	6.7	30.1	151.5	*
Harrison	-9.9	0.7	-7.7	-10.0	-14.1	-8.6	1.7	5.7	-9.5	19.9	28.3	86.4	146.6	*
Henry	1.8	4.3	-0.4	-2.8	4.0	1.9	-3.5	-1.8	-6.9	6.0	-10.0	-2.2	14.8	114.8
Howard	-11.7	-2.9	-10.1	-2.8	-3.1	3.4	-4.5	6.1	-11.0	29.8	3.2	72.5	98.3	*
Humboldt	-12.2	-2.2	-4.8	0.3	-2.5	1.9	1.9	6.3	-3.8	28.8	84.2	105.7	681.9	*
Ida	-6.1	-4.0	-9.6	-4.0	-3.2	-7.4	2.1	3.5	-8.4	15.2	144.3	1838.9	425.6	*
Iowa	-5.2	0.1	-6.0	3.5	-6.9	-1.8	-6.8	1.0	-5.8	7.0	-4.9	15.5	107.3	876.8
Jackson	-11.3	8.0	0.4	11.4	-2.9	3.8	-7.3	-6.2	-10.0	3.7	-4.2	5.1	22.3	156.5
Jasper	-4.5	2.8	0.4	9.2	2.6	-4.4	18.2	3.0	0.2	8.2	-3.9	17.4	123.8	672.1
Jefferson	-0.0	3.4	-0.3	0.8	-0.4	-2.9	-1.2	3.1	-8.5	14.8	-13.1	-2.1	18.6	51.8
Johnson	17.6	13.3	34.4	17.3	37.9	9.6	14.4	2.1	4.4	7.5	-9.2	2.1	41.7	293.0
Jones	-4.7	2.7	-4.0	6.7	-2.8	3.9	3.2	-2.3	-13.2	8.5	-3.9	6.7	48.3	342.5
Keokuk	-10.0	-7.3	-10.0	-7.8	-8.7	-3.9	-8.7	-0.8	-15.3	4.7	12.2	9.4	46.4	175.2
Kossuth	-15.1	-4.6	-9.4	-3.5	-1.5	4.6	1.5	14.2	-3.3	73.2	112.4	84.4	705.5	*
Lee	-10.3	0.3	-2.7	2.6	4.9	-0.5	4.0	8.1	-7.6	5.3	8.2	-6.3	27.3	55.0
Linn	-0.6	4.0	19.2	31.3	17.0	8.3	11.3	21.9	9.6	22.3	21.7	19.8	64.0	248.0
Louisa	-3.8	12.9	3.8	-7.3	-2.5	-1.7	-5.0	-5.3	-4.9	13.8	-9.7	2.1	24.2	110.0
Lucas	-12.1	1.5	-7.0	-9.5	-17.2	-3.6	-3.6	16.5	-16.5	10.7	0.2	39.9	80.2	1124.2
Lyon	-7.3	-3.3	-7.8	-1.6	-4.4	0.5	-0.9	5.5	11.1	51.7	341.1	790.5	*	*
Madison	-0.9	9.0	-6.0	-6.4	-9.6	1.4	-4.6	-3.8	-11.8	10.8	-7.2	24.1	89.2	522.5
Mahaska	-5.8	3.1	-6.0	-4.3	-6.8	2.6	-1.8	-12.0	-12.9	19.0	14.3	12.0	51.9	147.4
Marion	1.1	12.6	1.8	-0.2	-4.0	5.0	3.1	8.5	-4.8	4.8	-8.2	2.8	45.3	206.7
Marshall	-8.1	1.4	8.1	6.7	0.6	5.0	3.4	7.8	1.0	16.1	8.8	35.1	192.2	1679.6
Mills	-1.5	13.3	-9.3	-7.2	-6.6	-5.1	2.9	-2.5	-5.7	15.2	2.9	62.2	94.6	*
Mitchell	-11.4	-5.9	-6.7	0.7	-1.2	0.4	1.0	3.6	-9.9	12.2	-7.4	49.9	181.1	*

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

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Monona	-14.2	-3.1	-13.3	-14.6	-10.6	0.1	6.4	3.0	-7.5	23.9	60.3	147.8	339.2	*
Monroe	-11.9	-1.6	-10.6	-11.4	-18.8	-3.0	-36.0	-7.7	41.4	31.6	-0.4	7.8	47.7	198.6
Montgomery	-10.0	4.9	-11.7	-7.8	-0.1	-6.3	-1.7	2.7	-6.7	12.3	-0.3	167.9	372.5	*
Muscatine	-1.3	8.8	9.9	5.3	2.7	6.5	1.2	-1.6	4.5	15.3	5.8	6.8	31.9	186.9
O'Brien	-9.0	-3.1	-7.0	-0.7	-1.7	4.8	-3.4	10.4	1.6	30.1	214.3	481.1	8837.5	*
Osceola	-13.2	-2.2	-15.0	-1.1	-4.0	4.2	-0.4	14.1	2.6	56.5	151.2	*	*	*
Page	-11.5	2.8	-11.8	-12.1	-3.9	-3.9	7.3	0.6	-0.8	13.3	8.5	97.2	125.7	702.0
Palo Alto	-16.1	-4.3	-9.8	-7.3	-1.7	5.0	-0.6	11.9	-3.5	54.0	125.6	209.2	912.1	*
Plymouth	-5.5	1.7	1.7	2.8	-1.1	-2.7	2.4	2.0	4.1	13.5	128.4	289.5	1385.8	*
Pocahontas	-16.2	-11.1	-10.1	-8.1	-4.7	3.7	0.5	5.4	-3.5	60.6	157.3	156.8	1303.9	*
Polk	7.9	6.0	7.4	17.8	15.4	13.3	12.2	39.5	33.7	26.3	54.3	52.2	139.6	157.6
Pottawattamie	-4.5	-0.5	4.7	19.3	4.4	-4.5	13.5	10.2	2.8	14.6	19.0	135.9	240.0	-36.5
Poweshiek	-1.4	2.7	-2.6	-0.2	3.1	0.2	-5.9	1.6	0.9	5.5	-2.9	21.5	174.9	821.6
Ringgold	-11.3	-4.1	-19.4	-17.0	-14.4	-6.9	-7.4	0.1	-15.8	13.0	12.2	112.4	94.7	*
Sac	-12.7	-9.3	-8.4	-2.9	-0.7	-0.0	0.8	5.7	-6.1	21.5	65.5	521.8	473.6	*
Scott	-5.7	12.1	19.8	18.2	18.8	9.6	4.6	23.3	16.4	19.4	4.6	6.9	48.7	333.7
Shelby	-12.1	-3.1	-1.9	-0.7	-4.7	-2.4	6.6	-2.9	-7.7	1.8	38.7	399.8	210.5	*
Sioux	-3.0	10.1	6.1	-0.0	-3.0	1.5	1.3	4.8	8.2	27.0	238.6	842.0	5660.0	*
Story	2.7	15.2	27.3	11.4	32.5	7.4	18.9	8.7	4.0	27.8	7.2	45.1	187.6	*
Tama	-10.8	-3.0	-5.9	-1.3	-3.3	2.0	0.6	-1.3	-9.9	11.5	2.2	33.8	205.2	65962.5
Taylor	-14.8	-5.0	-14.6	-17.2	-12.9	-4.0	-4.2	-4.9	-13.2	14.6	4.8	123.7	94.7	1659.8
Union	-8.0	2.2	-1.1	-12.4	-3.9	-6.6	1.0	3.9	-16.6	17.9	12.8	150.3	197.5	*
Van Buren	-11.0	-0.2	-11.6	-11.2	-8.7	-4.4	-10.4	-6.4	-13.4	6.8	-4.6	-3.6	3.5	39.2
Wapello	-11.3	-4.5	-8.6	-2.7	7.0	9.4	6.7	0.5	6.5	16.4	20.3	13.2	53.9	71.4
Warren	3.3	27.1	31.7	17.3	0.4	-0.0	-1.9	-0.8	-10.7	11.5	-6.7	8.9	74.9	969.8
Washington	-2.6	6.2	-2.3	-0.8	-2.5	1.2	-2.9	2.5	-3.8	12.2	-9.4	7.5	33.1	187.2
Wayne	-13.8	-2.5	-14.2	-16.5	-11.8	-3.5	-10.3	-5.0	-7.5	11.6	-2.8	42.9	76.1	1785.0
Webster	-12.2	-5.0	1.2	8.1	6.6	2.7	7.5	8.6	9.0	47.1	35.3	52.1	318.7	*
Winnebago	-6.8	0.2	-0.8	-2.6	-3.7	6.3	-2.6	13.2	-6.4	73.7	49.0	214.8	829.8	*
Winneshiek	-4.7	0.5	0.5	0.1	-2.8	2.9	-2.1	1.7	-8.4	5.3	-5.9	1.6	69.1	2453.5
Woodbury	-2.6	-2.1	-4.4	3.8	0.3	1.9	10.3	36.3	23.8	-1.8	271.0	143.0	451.6	*
Worth	-11.9	1.0	-12.4	-7.3	-3.3	2.6	-4.0	16.9	-8.6	17.7	16.3	175.0	282.5	*
Wright	-12.6	-5.6	-11.1	-1.0	-1.9	-0.9	-0.6	13.4	-1.5	51.2	138.2	111.6	266.3	*
State of Iowa	-4.7	3.1	2.5	5.2	3.3	2.7	2.8	8.1	-0.3	16.7	17.7	36.1	76.9	251.1
United States	9.8	11.4	13.4	18.5	14.5	7.2	16.1	14.9	21.0	20.7	25.5	26.0	26.6	35.6

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

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

County	Population Change					Number of Decades of Population Increase			Year Census Count Highest	
	1850-1900		1900-1950		1950-1990		1850-1900	1900-1950		1950-1990
	Number	Number	Percent	Number	Percent	Number	Percent	Number		Percent
Jefferson	7533	-1741	-10.0	614	3.9	3	1	2	1870	
Johnson	20345	20939	84.4	50363	110.1	4	5	4	1990	
Jones	18947	-2553	-11.6	43	0.2	4	2	2	1900	
Keokuk	20157	-8182	-32.8	-5173	-30.8	5	0	0	1900	
Kossuth	22720	3521	15.5	-7650	-29.2	5	3	0	1940	
Lee	20858	3383	8.5	-4415	-10.2	4	3	2	1960	
Linn	49948	48882	88.2	64493	61.8	5	5	3	1980	
Louisa	8577	-2415	-17.9	491	4.4	4	0	2	1900	
Lucas	15655	-4057	-25.2	-2999	-24.8	5	1	1	1900	
Lyon	13165	1532	11.6	-2745	-18.7	4	3	0	1920	
Madison	16531	-4579	-25.9	-648	-4.9	4	1	1	1900	
Mahaska	28284	-9601	-28.0	-3140	-12.7	5	1	1	1900	
Marion	18677	1771	7.3	4071	15.7	4	3	3	1990	
Marshall	29653	5620	18.7	2665	7.5	5	5	3	1980	
Mills	16764	-2700	-16.1	-862	-6.1	5	1	1	1900	
Mitchell	14916	-971	-6.5	-3017	-21.6	4	3	1	1900	
Monona	17980	-1677	-9.3	-6269	-38.4	5	3	0	1940	
Monroe	15101	-6171	-34.3	-3700	-31.3	4	1	0	1910	
Montgomery	17803	-2118	-11.9	-3609	-23.0	4	1	1	1900	
Muscatine	22511	3906	13.8	7759	24.1	5	4	3	1980	
O'Brien	16985	1985	11.7	-3526	-18.6	5	3	0	1940	
Osceola	8725	1456	16.7	-2914	-28.6	3	3	0	1940	
Page	23636	-266	-1.1	-7051	-29.5	5	2	1	1930	
Palo Alto	14354	1537	10.7	-5222	-32.9	5	2	0	1940	
Plymouth	22209	1043	4.7	136	0.6	5	3	3	1980	
Pocahontas	15339	157	1.0	-5971	-38.5	5	3	0	1940	
Polk	78111	143386	173.5	101130	44.8	5	5	4	1990	
Pottawattamie	46508	15346	28.2	12946	18.6	4	4	2	1970	
Poweshiek	18799	-70	-0.4	-311	-1.6	4	4	1	1920	
Ringgold	15325	-5797	-37.8	-4108	-43.1	5	1	0	1900	
Sac	17639	-121	-0.7	-5194	-29.6	5	2	0	1930	
Scott	45572	49140	95.3	50275	49.9	5	5	3	1980	
Shelby	17932	-1990	-11.1	-2712	-17.0	5	1	0	1900	
Sioux	23337	3044	13.0	3522	13.4	5	4	2	1980	
Story	23159	21135	91.3	29958	67.6	5	5	4	1990	
Tama	24577	-2897	-11.8	-4269	-19.7	5	2	0	1900	
Taylor	18580	-6364	-33.9	-5306	-42.7	5	0	0	1900	
Union	19928	-4277	-21.5	-2901	-18.5	5	2	1	1900	
Van Buren	5084	-6347	-36.6	-3331	-30.3	3	0	0	1870	
Wapello	26955	11971	33.8	-11701	-24.7	5	5	0	1950	
Warren	19415	-2618	-12.8	18275	102.9	4	1	4	1990	
Washington	15761	-1161	-5.6	55	0.3	4	2	1	1900	
Wayne	17151	-5754	-32.9	-4670	-39.8	4	0	0	1900	
Webster	31757	12484	39.3	-3899	-8.8	5	5	2	1970	
Winnebago	12725	725	5.7	-1328	-9.9	5	2	1	1940	
Winneshiek	23185	-2092	-8.8	-792	-3.7	4	2	3	1880	
Woodbury	54610	49307	90.3	-5641	-5.4	4	5	1	1960	
Worth	10887	181	1.7	-3077	-27.8	5	2	1	1920	
Wright	18227	1425	7.8	-5383	-27.4	5	1	0	1920	
State of Iowa	2039639	389220	17.4	155758	5.9	5	4	3	1980	
United States	97392503	75331223	99.1	97392503	64.4	5	5	4	1990	

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

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

1950 to 1990

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

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

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

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

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

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

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

Concluding Comments

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

Figure 1. Population in Iowa, 1850-1990.

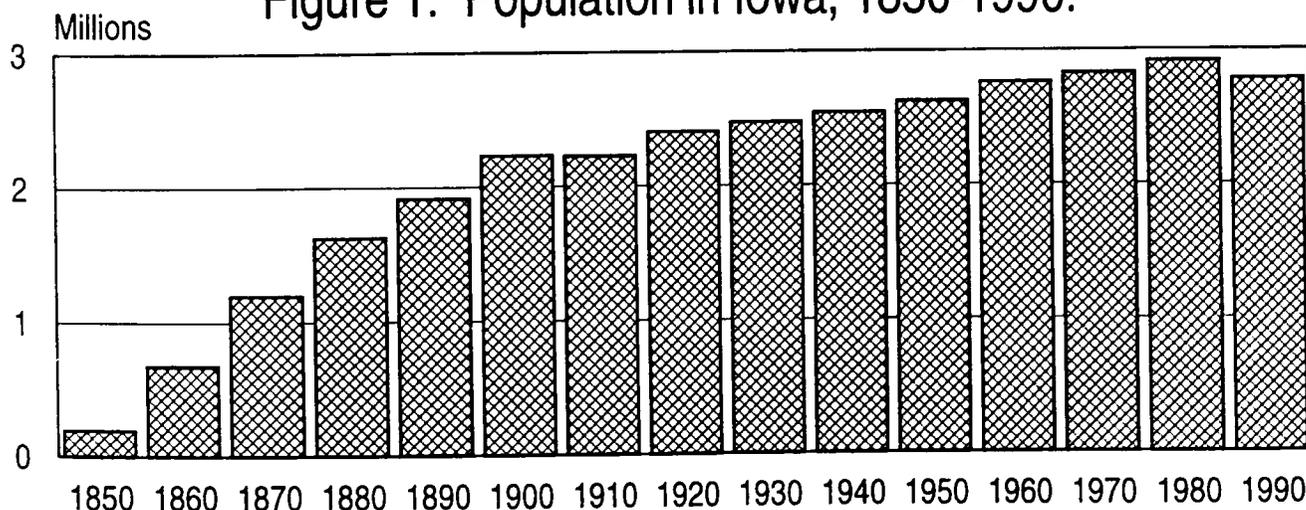


Figure 4. Percent increase, 1980-1990.

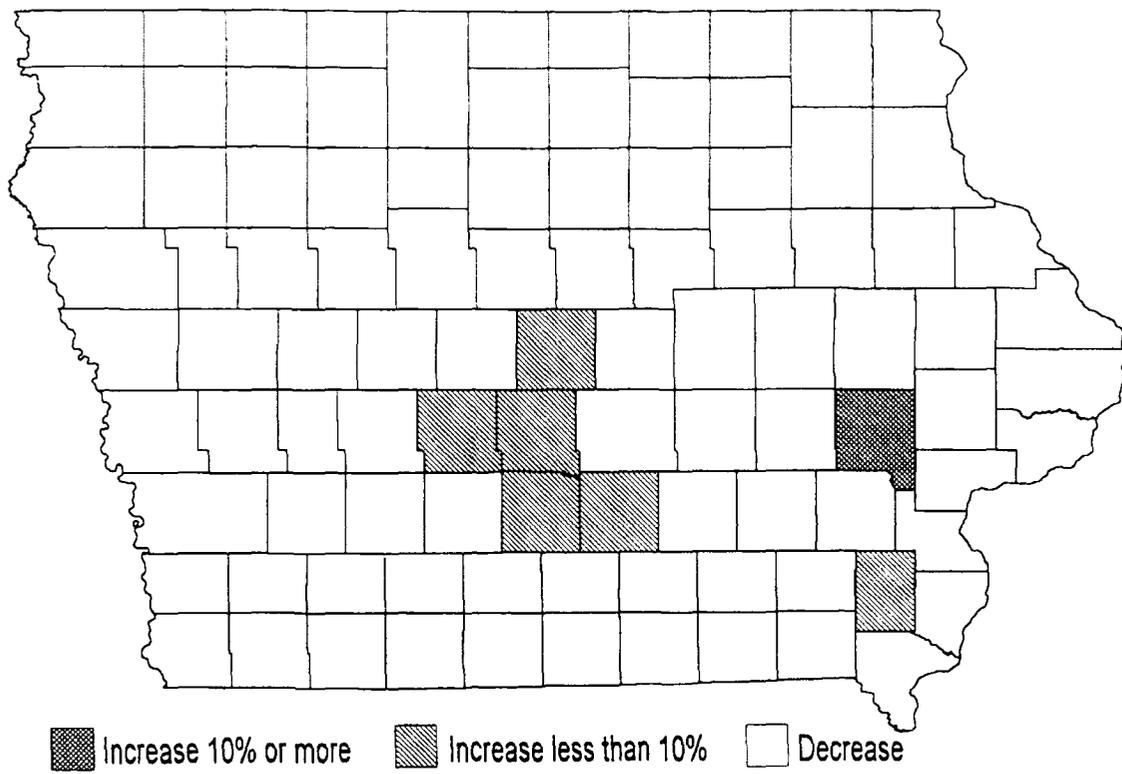
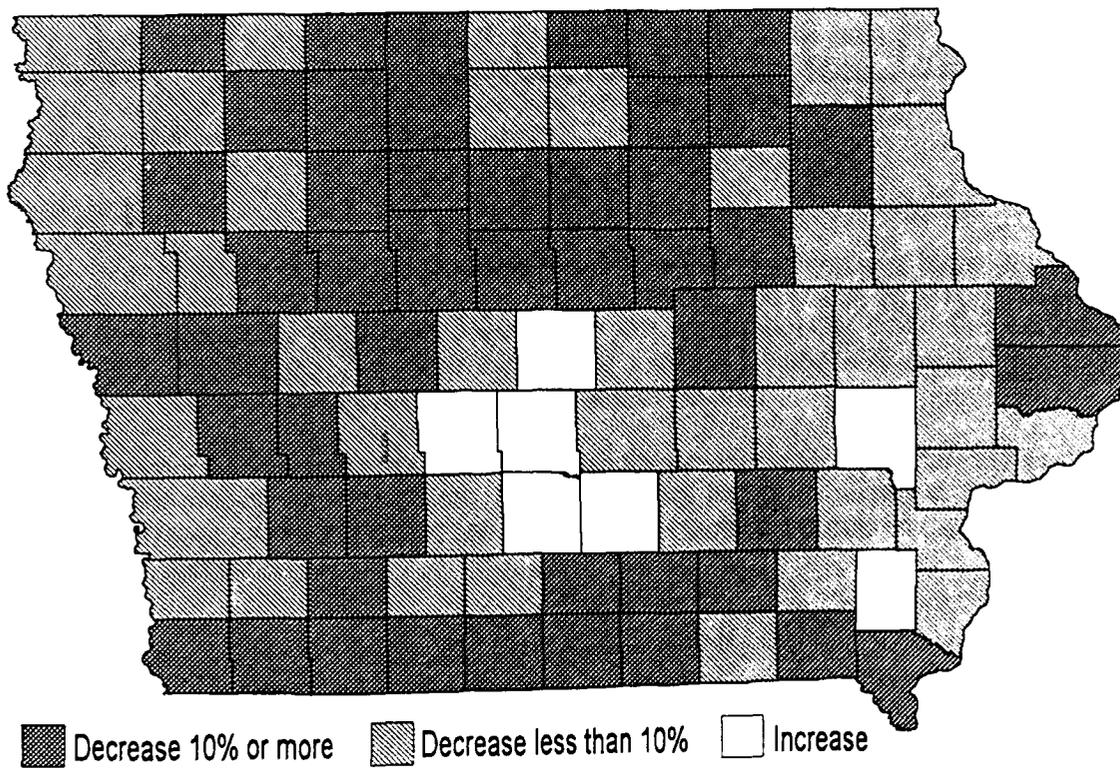


Figure 5. Percent decrease, 1980-1990.



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

1977-1997

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The Iowa Department of Public Health records vital statistics for Iowa and its counties. Data for 1997 recently were released for births and deaths. Births are counted by the county of residence of the mother, which may not necessarily be the county in which the birth occurs. Similarly, deaths are reported by the county of residence of the deceased individual, although the death may have happened elsewhere.

Births

Iowa recorded 36,641 births in 1997, a decrease of 489 from 1996. In the 1990s, births increased only from 1995 to 1996, although they gained each year from 1987 to 1990. The 1997 figure is the lowest among the 21 years reported in Table 1; indeed, it is lower than all years since 1915 (Figure 1). More than 1,200 fewer births occurred in 1997 than 10 years earlier. When 1997 and 1977 were compared, the difference exceeded 8,200. The greatest decline (-2,434) between adjacent years occurred from 1985 to 1986. The gain of 2,204 between 1978 and 1979 was the highest from 1977 through 1997.

Comparison of the most recent years indicates that 51 counties had fewer births in 1997 than in 1996, 47 had more births in the more recent year, and one had the same number both years. Increases in the number of births ranged from less than 10 in 16 counties to at least 20 in 18 others, with the greatest increase occurring in Pottawattamie (+83), the only one gaining more than 50. Declines from 1996 to 1997 ranged from less than 10 in 13 counties to at least 50 in eight others (Cerro Gordo, Dubuque, Iowa, Marshall, Polk, Scott, Story, Washington), with Scott's decrease of 128 the greatest.

Seventy-five counties had fewer births in 1997 than in 1987, indicating that most areas of Iowa reflected the state's trend. Only Dallas, Linn, Polk, and Woodbury had at least 50 more births in 1997 than 10 years earlier, with Polk's gain of 698 much greater than the others. Carroll, Cerro Gordo, Dubuque, and Scott had at least 100 fewer births in 1997 than in 1987. Only Dallas, Johnson, Linn, Louisa, and Polk had more births in 1997 than in 1977.

Deaths

The number of deaths in Iowa has fluctuated much less than the number of births (Figure 1). The 27,669 deaths in 1997 outnumbered the 27,213 counted in 1987 by 456 (Table 2). The change between adjacent years was greatest for 1992-1993; there were 1,371 more deaths in 1993 than in 1992. From 1977 through 1997, changes from one year to the next exceeded 1,000 only once (1992-1993) and decreased about as frequently as it increased from one year to the next.

Thirty-nine counties had more deaths in 1997 than the previous year. The increase was less than 10 in 15 counties and at least 50 only in Scott. Fifty-six counties had fewer deaths in 1997 than in 1996; 25 had less than 10 fewer deaths in the more recent year, with Harrison the only one to decline by at least 50 deaths between 1996 and 1997.

Natural Change

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

Table 1. Births in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	68	61	80	93	74	105	87	102	109	86	94	111	122	114	115	143	125	166	172	141	154
Adams	33	48	36	64	51	41	64	60	70	74	63	55	73	73	64	80	64	94	83	78	84
Allamakee	165	173	157	158	176	199	174	177	214	201	202	210	219	219	220	237	249	252	224	241	244
Appanoose	141	168	147	152	164	174	170	166	166	167	162	180	188	197	194	184	229	241	256	238	215
Audubon	82	63	75	88	72	70	76	91	83	82	95	89	111	135	120	119	112	151	125	121	125
Benton	281	264	298	292	308	304	336	318	292	286	283	295	309	328	291	307	349	414	367	364	330
Black Hawk	1586	1601	1509	1605	1774	1651	1732	1699	1687	1628	1621	1739	1947	2093	2096	2245	2332	2382	2369	2270	2271
Boone	289	299	309	313	274	289	312	329	309	347	318	295	326	333	347	367	384	395	382	355	374
Bremer	219	234	249	243	272	259	237	242	256	233	242	267	297	306	320	367	398	417	384	368	349
Buchanan	284	286	283	314	277	327	302	302	336	310	325	287	367	381	393	454	448	447	421	413	431
Buena Vista	259	228	219	243	238	274	265	287	253	302	263	294	314	290	302	313	344	322	302	280	324
Butler	160	148	166	163	169	159	162	184	180	189	179	209	201	242	259	255	236	284	269	296	284
Calhoun	97	115	114	106	90	120	111	130	124	111	145	152	149	140	171	196	170	204	193	196	171
Carroll	238	260	283	269	258	271	278	320	292	312	338	361	373	384	416	384	416	436	422	378	386
Cass	160	152	152	150	178	169	205	192	192	190	163	204	200	255	228	254	286	241	274	233	251
Cedar	198	195	204	193	203	197	217	221	224	197	189	195	251	253	259	266	285	260	285	265	272
Cerro Gordo	525	600	591	587	592	600	621	686	657	623	625	656	725	679	709	714	720	728	697	662	669
Cherokee	142	115	134	157	141	158	153	200	177	169	166	211	199	207	229	231	245	238	251	228	264
Chickasaw	157	123	152	169	179	166	166	199	182	170	154	201	177	224	224	265	260	258	273	238	257
Clarke	83	87	102	82	81	105	105	106	121	112	114	109	116	104	112	136	122	126	122	103	113
Clay	197	188	206	219	190	235	258	239	260	222	237	243	270	260	305	357	314	347	342	347	316
Clayton	195	176	206	207	242	228	254	242	262	234	250	256	298	282	306	327	364	343	330	320	359
Clinton	629	602	657	645	680	680	685	685	674	676	689	707	753	788	775	855	882	920	936	920	907
Crawford	211	232	178	176	208	196	205	228	204	256	277	247	263	256	323	294	300	321	306	313	287
Dallas	482	501	477	440	425	422	426	409	445	384	423	391	402	454	461	428	432	466	444	458	457
Davis	119	128	94	127	118	107	127	128	116	115	110	124	134	128	148	137	149	149	162	125	135
Decatur	98	97	97	113	88	88	94	91	99	98	110	95	106	112	107	136	125	129	130	98	132
Delaware	208	233	213	268	262	261	271	285	264	290	284	281	320	311	341	362	331	401	363	318	337
Des Moines	549	565	523	524	558	568	580	568	582	560	540	518	670	650	657	670	742	767	757	678	694
Dickinson	169	148	137	148	127	152	163	160	158	147	175	165	177	195	178	227	199	229	238	210	224
Dubuque	1143	1197	1188	1176	1252	1168	1231	1260	1184	1192	1253	1199	1278	1362	1375	1447	1542	1584	1617	1531	1438
Emmet	118	134	108	109	141	135	155	134	121	139	144	139	159	160	196	200	214	227	231	234	229
Fayette	260	249	271	302	255	278	295	289	279	297	263	278	298	357	362	404	380	405	359	402	366

Table 1. Births in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	209	194	203	186	200	204	221	219	220	197	208	213	236	241	285	250	276	259	299	279	279
Franklin	130	126	116	133	120	126	130	124	132	136	139	148	173	193	165	176	191	195	187	198	192
Fremont	94	60	85	79	90	103	107	100	98	103	103	124	116	117	124	117	132	131	148	123	136
Greene	110	120	112	108	129	123	124	108	104	117	138	127	147	172	169	165	196	182	199	171	167
Grundy	128	124	98	111	141	113	136	146	138	142	121	148	143	170	187	167	182	227	225	187	215
Guthrie	127	130	121	126	105	155	138	122	111	117	104	115	119	156	144	149	160	179	158	158	166
Hamilton	210	182	193	203	193	206	220	209	213	199	198	243	199	254	235	219	259	257	280	243	254
Hancock	127	121	122	125	125	142	157	164	167	159	165	189	190	212	191	233	217	252	242	225	219
Hardin	189	216	244	218	204	192	209	213	214	224	218	233	270	283	311	324	318	348	299	295	280
Harrison	179	173	174	175	179	200	201	187	191	192	225	230	227	217	200	217	221	254	220	215	276
Henry	241	203	276	239	252	256	237	265	224	248	236	250	238	264	260	270	278	303	266	291	287
Howard	124	92	118	96	112	126	114	135	126	111	146	141	137	161	163	169	158	184	177	155	171
Humboldt	128	111	107	118	110	100	104	112	136	143	138	149	163	186	178	189	191	188	201	176	176
Ida	99	99	73	86	93	94	100	107	150	122	112	118	135	148	146	117	159	148	153	119	147
Iowa	156	227	192	212	213	196	208	213	236	178	179	215	182	216	217	216	230	229	261	205	221
Jackson	242	236	261	241	258	258	286	252	255	275	290	282	345	325	349	357	371	370	392	385	357
Jasper	436	426	416	439	423	455	471	432	461	446	438	418	472	462	440	524	506	530	527	536	525
Jefferson	161	171	153	172	177	185	186	192	202	208	178	218	222	224	233	209	210	217	212	197	237
Johnson	1274	1272	1258	1288	1337	1359	1358	1406	1297	1330	1285	1278	1326	1306	1254	1299	1350	1276	1228	1170	1148
Jones	213	224	196	253	235	243	255	251	236	240	216	220	290	262	275	280	272	323	317	314	281
Keokuk	127	134	145	129	143	147	176	150	152	160	147	137	157	185	185	166	199	223	181	181	191
Kossuth	174	163	174	196	219	199	226	251	240	245	249	265	262	295	350	344	332	397	396	338	344
Lee	446	477	479	435	526	540	494	496	492	509	544	526	589	582	596	623	663	693	690	690	659
Linn	2584	2540	2597	2550	2551	2644	2632	2641	2507	2465	2373	2345	2450	2499	2479	2642	2567	2826	2652	2533	2545
Louisa	190	161	174	161	184	143	148	163	149	141	167	144	145	161	172	178	201	172	209	179	174
Lucas	95	123	100	129	117	100	111	116	93	111	101	113	110	132	115	164	135	170	137	146	124
Lyon	137	150	136	165	162	180	156	178	167	183	176	160	183	194	207	214	238	236	231	215	223
Madison	169	152	159	160	162	155	158	158	167	161	138	140	164	154	150	158	155	197	173	193	192
Mahaska	258	260	291	272	277	264	300	285	316	295	296	326	318	325	339	342	331	400	327	352	366
Marion	333	378	363	419	391	412	364	374	398	363	405	368	439	403	434	463	439	449	458	443	423
Marshall	472	553	516	523	523	471	458	502	488	488	455	520	555	588	622	617	654	673	625	576	619
Mills	159	177	158	183	159	151	170	136	168	154	173	171	167	192	173	174	212	225	219	194	197
Mitchell	133	130	129	142	154	126	148	131	127	137	133	147	148	149	173	154	171	196	189	182	169

Table 1. Births in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	109	98	126	124	106	145	133	114	113	105	110	129	105	140	176	157	161	179	163	178	160
Monroe	95	97	89	87	119	98	111	116	96	88	107	104	109	122	120	111	135	133	137	130	131
Montgomery	112	160	161	160	141	165	138	158	150	148	153	136	152	179	189	183	187	205	221	191	213
Muscatine	570	591	629	626	642	656	676	665	682	615	560	635	632	635	709	754	732	714	730	680	724
O'Brien	192	190	200	174	191	199	176	184	195	173	184	206	213	235	263	274	287	279	277	274	289
Osceola	80	79	90	70	81	86	107	94	100	104	87	88	107	105	131	124	127	137	131	122	129
Page	171	191	174	181	164	166	179	200	220	209	189	183	235	204	226	237	266	270	285	292	263
Palo Alto	122	98	95	107	109	112	111	95	140	133	122	134	181	162	215	184	214	209	196	187	218
Plymouth	328	312	316	311	307	317	296	346	310	311	353	376	334	409	415	392	455	427	448	379	395
Pocahontas	77	68	66	84	88	99	104	124	110	135	109	121	167	150	160	150	149	160	154	158	199
Polk	5685	5782	5455	5458	5460	5560	5494	5367	5545	4998	4987	4956	5087	4909	4974	4969	5093	5087	4880	4714	4652
Pottawattamie	1185	1102	1142	1156	1193	1261	1299	1361	1281	1295	1252	1328	1334	1379	1426	1411	1469	1468	1455	1383	1352
Poweshiek	192	194	215	211	205	215	237	226	226	203	187	223	220	220	244	254	261	247	277	249	268
Ringgold	65	43	55	30	38	57	53	44	53	56	60	45	78	84	71	107	80	86	86	75	83
Sac	130	159	136	126	139	140	125	145	153	142	149	153	177	182	175	183	235	235	203	209	226
Scott	2175	2303	2251	2243	2408	2483	2409	2430	2376	2368	2292	2545	2543	2647	2641	2751	2824	2954	2856	2750	2717
Shelby	140	115	156	146	163	154	156	182	163	170	172	160	171	237	211	240	189	253	208	198	222
Sioux	413	376	410	380	437	433	439	434	432	471	457	494	511	519	574	560	584	636	579	637	599
Story	846	904	856	844	785	878	900	927	874	949	933	944	1035	1039	1075	1010	1054	1055	1074	1011	944
Tama	248	230	236	236	225	226	213	215	218	207	233	227	250	260	269	285	259	289	299	287	296
Taylor	79	75	76	78	70	75	63	92	79	73	86	71	91	102	102	133	119	135	135	119	113
Union	136	163	154	119	152	149	143	148	166	143	152	167	150	165	190	192	226	212	215	210	199
Van Buren	79	86	76	104	108	91	98	89	93	123	103	94	107	111	111	117	136	126	133	110	128
Wapello	416	459	403	428	465	422	481	490	484	420	446	467	468	534	480	564	547	597	555	556	510
Warren	513	481	481	449	499	516	550	479	499	483	487	466	506	489	485	495	514	551	554	524	539
Washington	254	327	308	279	273	269	277	307	301	280	298	273	269	307	282	290	293	326	345	292	310
Wayne	57	64	80	78	71	74	74	83	77	89	75	75	96	94	84	93	105	123	139	92	105
Webster	520	496	498	525	534	566	563	597	605	589	595	574	631	631	671	733	675	760	724	693	707
Winnebago	135	144	134	135	121	141	138	148	165	164	152	171	162	170	172	178	162	197	213	211	226
Winneshiek	200	212	240	242	229	255	252	259	269	272	269	288	287	321	321	309	300	327	330	295	297
Woodbury	1691	1699	1700	1651	1651	1665	1623	1631	1496	1582	1542	1457	1652	1601	1645	1691	1809	1793	1850	1712	1908
Worth	75	85	89	91	94	91	99	99	107	100	98	103	117	115	110	130	129	127	123	126	129
Wright	152	172	139	157	156	171	188	214	191	174	177	171	196	203	206	208	220	247	224	229	238
State of Iowa	36641	37130	36790	37057	37805	38459	38925	39330	38916	38070	37866	38748	41182	42360	43247	44716	45918	47797	46763	44559	44898

Table 2. Deaths in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	117	135	111	127	122	107	111	104	101	103	124	124	103	115	113	104	110	112	112	112	121
Adams	56	55	75	66	61	56	63	57	70	78	55	61	54	79	66	75	67	75	69	78	68
Allamakee	155	165	167	167	171	179	165	198	189	170	185	191	182	167	175	163	169	189	155	179	176
Appanoose	186	194	190	189	200	173	197	179	175	191	197	164	221	183	169	168	196	212	208	200	205
Audubon	64	100	98	109	107	118	98	88	84	115	94	84	112	74	100	117	102	75	95	102	103
Benton	229	207	210	201	207	207	222	197	235	250	235	210	219	213	246	207	213	213	242	245	247
Black Hawk	1157	1143	1113	1239	1194	1130	1123	1142	1066	1114	1080	1034	1081	998	1112	1059	1041	1059	1108	1085	989
Boone	300	301	307	304	307	266	278	289	279	321	282	268	281	267	286	321	281	290	301	321	282
Bremer	204	211	235	235	266	216	214	229	211	238	235	223	207	205	188	186	213	227	227	207	215
Buchanan	221	197	230	204	231	202	180	185	199	204	183	190	180	211	216	218	171	192	206	222	222
Buena Vista	212	215	210	215	217	196	200	210	253	240	221	210	260	214	253	217	240	246	241	201	202
Butler	192	177	201	202	195	202	176	169	197	182	191	209	180	183	191	186	160	166	178	177	177
Calhoun	178	153	181	141	169	185	171	148	202	174	169	157	211	174	168	173	164	186	166	216	174
Carroll	242	243	219	229	229	233	217	214	202	210	229	190	216	237	244	252	240	238	219	264	254
Cass	197	202	213	175	180	184	213	206	225	230	198	222	243	217	213	211	189	210	190	251	210
Cedar	199	172	177	175	157	155	148	176	166	169	169	174	171	175	176	167	177	177	170	202	179
Cerro Gordo	492	527	539	489	504	490	457	481	463	474	483	470	468	518	446	477	483	467	461	504	493
Cherokee	164	192	141	158	158	163	166	171	170	164	177	156	184	168	172	171	172	176	160	185	168
Chickasaw	135	137	161	168	156	124	159	142	132	133	169	149	150	157	141	116	161	159	157	166	154
Clarke	80	102	106	91	106	103	113	93	109	99	93	87	111	102	96	83	101	106	103	93	89
Clay	168	165	213	165	182	172	185	158	182	171	189	199	169	180	165	161	171	186	192	166	155
Clayton	187	220	226	219	214	220	239	201	227	225	232	236	261	239	228	234	217	235	246	222	243
Clinton	575	565	545	531	548	518	540	559	556	577	502	555	491	546	604	539	580	534	544	590	529
Crawford	178	181	152	172	179	171	155	170	160	160	172	201	214	190	197	183	201	179	187	201	187
Dallas	317	301	300	295	274	273	278	287	274	292	304	268	270	265	267	272	259	262	303	246	266
Davis	79	103	119	91	107	87	103	100	99	96	89	96	108	86	120	105	118	96	98	92	90
Decatur	132	102	89	113	118	128	134	106	105	98	105	118	121	91	141	136	99	119	110	120	114
Delaware	152	158	171	149	173	181	144	171	165	160	153	178	176	184	166	186	169	182	206	189	154
Des Moines	445	454	468	412	428	399	474	456	493	519	438	495	520	442	422	488	405	466	411	459	459
Dickinson	173	181	179	184	172	149	163	160	161	179	147	145	162	169	156	172	152	135	144	152	172
Dubuque	791	820	846	871	854	810	841	840	853	796	782	818	801	822	802	798	847	803	775	825	779
Emmet	143	142	129	133	146	147	130	134	156	122	132	123	143	151	137	137	133	159	137	127	137
Fayette	259	259	232	255	255	242	266	257	266	275	269	287	295	277	273	288	290	260	255	266	265

Table 2. Deaths in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	200	215	211	198	220	216	214	203	219	220	178	207	246	182	213	226	198	231	198	223	218
Franklin	135	135	142	138	145	117	130	120	136	156	157	123	141	151	131	131	135	135	154	164	156
Fremont	113	122	131	129	115	127	105	104	122	129	143	126	110	131	122	125	122	119	153	111	132
Greene	131	153	138	104	116	141	143	142	123	159	148	137	159	155	147	135	166	136	140	132	156
Grundy	135	141	134	122	127	89	134	117	130	148	128	136	139	112	135	147	123	138	154	138	142
Guthrie	118	146	147	139	145	136	133	142	147	190	165	158	152	153	166	176	149	165	160	120	146
Hamilton	193	183	186	154	171	183	186	177	194	199	169	173	167	171	195	200	165	162	192	181	194
Hancock	128	130	153	124	135	132	115	130	111	150	135	125	142	133	144	131	147	159	146	135	153
Hardin	247	241	225	244	243	267	239	237	231	226	243	263	244	246	230	233	262	243	246	234	233
Harrison	173	227	189	180	230	200	202	198	177	221	212	173	205	188	190	204	197	205	178	170	211
Henry	196	188	200	197	233	200	215	169	209	194	219	185	209	197	180	197	179	207	207	176	180
Howard	139	123	133	132	125	122	118	124	107	129	153	130	144	146	137	133	139	112	137	121	131
Humboldt	116	130	130	115	141	140	130	135	99	122	113	125	130	133	119	129	113	136	112	125	128
Ida	85	101	125	109	117	104	117	115	86	115	115	109	103	101	113	104	99	107	94	95	123
Iowa	156	183	176	164	172	163	155	174	152	169	196	144	162	162	168	178	150	161	133	152	177
Jackson	232	256	221	221	228	202	241	209	247	225	237	219	229	220	198	220	226	237	207	229	207
Jasper	340	344	361	381	365	356	374	298	329	361	343	343	329	335	376	310	343	341	327	332	341
Jefferson	157	159	142	137	166	160	173	153	145	160	162	169	165	171	177	168	168	154	157	147	158
Johnson	476	492	480	475	455	436	451	429	461	421	452	444	482	444	452	403	392	395	412	396	375
Jones	163	184	168	170	177	167	202	192	174	194	178	201	184	174	179	172	209	167	195	180	168
Keokuk	151	145	134	138	137	124	138	165	151	171	152	147	168	169	186	154	189	166	193	141	153
Kossuth	209	195	222	194	223	196	207	197	189	203	195	206	204	197	220	230	209	217	248	212	207
Lee	426	435	460	470	463	444	453	398	423	459	435	446	453	387	462	406	458	456	406	453	491
Linn	1337	1333	1358	1361	1356	1230	1274	1237	1288	1288	1269	1307	1245	1181	1287	1222	1227	1271	1183	1239	1176
Louisa	101	110	122	137	147	113	100	121	103	136	107	119	101	104	109	122	119	110	110	109	128
Lucas	118	111	112	118	107	122	122	129	139	126	107	114	152	119	125	131	130	115	142	121	126
Lyon	118	124	133	123	136	116	137	115	128	96	117	137	121	120	120	105	105	134	135	121	113
Madison	173	138	159	145	143	164	150	156	144	156	141	156	153	143	160	128	140	126	128	135	151
Mahaska	204	234	224	240	223	220	224	250	243	237	230	261	267	261	248	243	244	233	245	247	282
Marion	314	330	327	315	308	326	303	329	315	323	276	297	287	308	293	277	297	256	275	276	277
Marshall	511	522	529	514	497	456	506	485	500	421	458	392	437	417	439	423	412	427	411	394	363
Mills	139	134	116	123	149	110	129	129	147	123	148	140	138	128	111	144	123	133	105	109	123
Mitchell	151	146	139	136	157	153	135	148	150	140	166	108	154	161	169	150	138	142	171	152	123

Table 2. Deaths in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	155	161	156	160	158	162	147	156	143	153	144	149	177	172	167	159	139	143	150	174	147
Monroe	99	99	111	115	96	118	109	105	137	104	112	127	113	109	125	117	139	116	132	114	122
Montgomery	177	197	190	145	183	156	176	181	186	178	175	177	165	195	147	173	151	152	178	169	162
Muscatine	358	329	368	414	380	375	391	357	377	340	383	341	379	389	360	364	359	339	376	389	364
O'Brien	181	198	194	204	184	192	205	190	182	200	209	159	194	198	195	215	166	198	206	182	183
Osceola	79	91	93	90	72	77	88	66	78	81	101	97	96	88	99	81	96	105	89	97	91
Page	253	212	256	215	211	224	236	230	214	235	239	238	256	234	253	243	281	223	265	246	228
Palo Alto	140	146	131	141	153	124	144	140	139	147	145	140	149	135	149	147	147	148	149	137	145
Plymouth	248	241	243	213	224	244	225	235	220	215	243	210	246	245	249	244	207	246	232	220	232
Pocahontas	129	120	108	135	119	127	132	121	132	160	128	114	150	145	131	176	132	169	149	156	147
Polk	2704	2738	2684	2605	2617	2466	2614	2539	2571	2604	2484	2499	2533	2427	2461	2373	2393	2456	2374	2486	2434
Pottawattamie	805	759	757	790	769	731	754	746	731	829	819	747	802	800	772	752	771	786	671	756	787
Poweshiek	204	213	198	201	184	204	170	196	195	206	188	199	195	209	175	192	187	192	179	206	196
Ringgold	91	74	71	88	83	77	74	84	65	71	78	80	88	70	73	74	89	84	84	104	86
Sac	170	167	162	167	176	155	144	178	177	165	168	172	176	168	178	188	173	147	166	162	165
Scott	1269	1182	1302	1259	1307	1224	1171	1105	1218	1211	1217	1236	1174	1214	1234	1093	1209	1173	1196	1169	1142
Shelby	189	143	170	169	147	146	153	151	161	163	147	151	155	139	161	146	158	168	162	144	151
Sioux	270	237	229	244	242	218	218	228	238	255	238	235	278	235	228	234	229	236	221	238	230
Story	452	418	425	389	420	412	453	415	405	412	411	418	425	357	396	404	361	402	394	396	389
Tama	195	223	219	229	222	170	216	226	209	176	198	209	232	210	201	187	234	211	237	252	222
Taylor	108	106	87	99	95	94	115	105	133	98	119	122	98	106	126	127	127	114	126	155	119
Union	152	166	169	159	163	160	165	167	156	171	175	168	167	166	181	170	174	153	143	165	182
Van Buren	96	99	99	102	106	97	108	87	118	134	107	116	117	83	123	109	99	119	117	114	111
Wapello	444	447	452	428	463	418	488	473	459	476	442	506	443	513	488	441	477	498	463	522	475
Warren	296	339	264	316	285	233	282	283	272	288	242	246	244	261	230	223	217	227	214	241	219
Washington	231	249	213	245	236	206	243	215	217	212	219	208	235	226	226	186	203	207	230	207	188
Wayne	127	109	107	119	101	112	102	92	96	104	107	124	138	111	129	97	142	128	117	112	120
Webster	492	492	490	489	483	482	489	451	459	495	490	448	473	468	486	489	489	472	460	511	458
Winnebago	135	151	128	137	150	158	151	138	125	150	147	119	139	151	137	134	145	133	140	146	141
Winneshiak	178	182	188	178	175	159	176	219	183	198	182	221	229	207	224	178	188	179	172	213	197
Woodbury	962	935	1021	985	982	974	918	939	956	1017	943	940	950	950	970	1013	971	984	917	978	923
Worth	98	97	120	102	96	94	96	115	86	120	102	108	108	103	108	100	104	93	95	117	89
Wright	218	191	177	198	210	173	175	178	165	187	181	185	199	189	177	196	209	208	182	204	185
State of Iowa	27669	27800	27962	27651	27951	26580	27306	26815	27147	27851	27213	27021	27810	26972	27509	26852	26930	27096	26816	27417	26750

Table 3. Natural Change in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	-49	-74	-31	-34	-48	-2	-24	-2	8	-17	-30	-13	19	-1	2	39	15	54	60	29	33
Adams	-23	-7	-39	-2	-10	-15	1	3	0	-4	8	-6	19	-6	-2	5	-3	19	14	0	16
Allamakee	10	8	-10	-9	5	20	9	-21	25	31	17	19	37	52	45	74	80	63	69	62	68
Appanoose	-45	-26	-43	-37	-36	1	-27	-13	-9	-24	-35	16	-33	14	25	16	33	29	48	38	10
Audubon	18	-37	-23	-21	-35	-48	-22	3	-1	-33	1	5	-1	61	20	2	10	76	30	19	22
Benton	52	57	88	91	101	97	114	121	57	36	48	85	90	115	45	100	136	201	125	119	83
Black Hawk	429	458	396	366	580	521	609	557	621	514	541	705	866	1095	984	1186	1291	1323	1261	1185	1282
Boone	-11	-2	2	9	-33	23	34	40	30	26	36	27	45	66	61	46	103	105	81	34	92
Bremer	15	23	14	8	6	43	23	13	45	-5	7	44	90	101	132	181	185	190	157	161	134
Buchanan	63	89	53	110	46	125	122	117	137	106	142	97	187	170	177	236	277	255	215	191	209
Buena Vista	47	13	9	28	21	78	65	77	0	62	42	84	54	76	49	96	104	76	61	79	122
Butler	-32	-29	-35	-39	-26	-43	-14	15	-17	7	-12	0	21	59	68	69	76	118	91	119	107
Calhoun	-81	-38	-67	-35	-79	-65	-60	-18	-78	-63	-24	-5	-62	-34	3	23	6	18	27	-20	-3
Carroll	-4	17	64	40	29	38	61	106	90	102	109	171	157	147	172	132	176	198	203	114	132
Cass	-37	-50	-61	-25	-2	-15	-8	-14	-33	-40	-35	-18	-43	38	15	43	97	31	84	-18	41
Cedar	-1	23	27	18	46	42	69	45	58	28	20	21	80	78	83	99	108	83	115	63	93
Cerro Gordo	33	73	52	98	88	110	164	205	194	149	142	186	257	161	263	237	237	261	236	158	176
Cherokee	-22	-77	-7	-1	-17	-5	-13	29	7	5	-11	55	15	39	57	60	73	62	91	43	96
Chickasaw	22	-14	-9	1	23	42	7	57	50	37	-15	52	27	67	83	149	99	99	116	72	103
Clarke	3	-15	-4	-9	-25	2	-8	13	12	13	21	22	5	2	16	53	21	20	19	10	24
Clay	29	23	-7	54	8	63	73	81	78	51	48	44	101	80	140	196	143	161	150	181	161
Clayton	8	-44	-20	-12	28	8	15	41	35	9	18	20	37	43	78	93	147	108	84	98	116
Clinton	54	37	112	114	132	162	145	126	118	99	187	152	262	242	171	316	302	386	392	330	378
Crawford	33	51	26	4	29	25	50	58	44	96	105	46	49	66	126	111	99	142	119	112	100
Dallas	165	200	177	145	151	149	148	122	171	92	119	123	132	189	194	156	173	204	141	212	191
Davis	40	25	-25	36	11	20	24	28	17	19	21	28	26	42	28	32	31	53	64	33	45
Decatur	-34	-5	8	0	-30	-40	-40	-15	-6	0	5	-23	-15	21	-34	0	26	10	20	-22	18
Delaware	56	75	42	119	89	80	127	114	99	130	131	103	144	127	175	176	162	219	157	129	183
Des Moines	104	111	55	112	130	169	106	112	89	41	102	23	150	208	235	182	337	301	346	219	235
Dickinson	-4	-33	-42	-36	-45	3	0	0	-3	-32	28	20	15	26	22	55	47	94	94	58	52
Dubuque	352	377	342	305	398	358	390	420	331	396	471	381	477	540	573	649	695	781	842	706	659
Emmet	-25	-8	-21	-24	-5	-12	25	0	-35	17	12	16	16	9	59	63	81	68	94	107	92
Fayette	1	-10	39	47	0	36	29	32	13	22	-6	-9	3	80	89	116	90	145	104	136	101

Table 3. Natural Change in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	9	-21	-8	-12	-20	-12	7	16	1	-23	30	6	-10	59	72	24	78	28	101	56	61
Franklin	-5	-9	-26	-5	-25	9	0	4	-4	-20	-18	25	32	42	34	45	56	60	33	34	36
Fremont	-19	-62	-46	-50	-25	-24	2	-4	-24	-26	-40	-2	6	-14	2	-8	10	12	-5	12	4
Greene	-21	-33	-26	4	13	-18	-19	-34	-19	-42	-10	-10	-12	17	22	30	30	46	59	39	11
Grundy	-7	-17	-36	-11	14	24	2	29	8	-6	-7	12	4	58	52	20	59	89	71	49	73
Guthrie	9	-16	-26	-13	-40	19	5	-20	-36	-73	-61	-43	-33	3	-22	-27	11	14	-2	38	20
Hamilton	17	-1	7	49	22	23	34	32	19	0	29	70	32	83	40	19	94	95	88	62	60
Hancock	-1	-9	-31	1	-10	10	42	34	56	9	30	64	48	79	47	102	70	93	96	90	66
Hardin	-58	-25	19	-26	-39	-75	-30	-24	-17	-2	-25	-30	26	37	81	91	56	105	53	61	47
Harrison	6	-54	-15	-5	-51	0	-1	-11	14	-29	13	57	22	29	10	13	24	49	42	45	65
Henry	45	15	76	42	19	56	22	96	15	54	17	65	29	67	80	73	99	96	59	115	107
Howard	-15	-31	-15	-36	-13	4	-4	11	19	-18	-7	11	-7	15	26	36	19	72	40	34	40
Humboldt	12	-19	-23	3	-31	-40	-26	-23	37	21	25	24	33	53	59	60	78	52	89	51	48
Ida	14	-2	-52	-23	-24	-10	-17	-8	64	7	-3	9	32	47	33	13	60	41	59	24	24
Iowa	0	44	16	48	41	33	53	39	84	9	-17	71	20	54	49	38	80	68	128	53	44
Jackson	10	-20	40	20	30	56	45	43	8	50	53	63	116	105	151	137	145	133	185	156	150
Jasper	96	82	55	58	58	99	97	134	132	85	95	75	143	127	64	214	163	189	200	204	184
Jefferson	4	12	11	35	11	25	13	39	57	48	16	49	57	53	56	41	42	63	55	50	79
Johnson	798	780	778	813	882	923	907	977	836	909	833	834	844	862	802	896	958	881	816	774	773
Jones	50	40	28	83	58	76	53	59	62	46	38	19	106	88	96	108	63	156	122	134	113
Keokuk	-24	-11	11	-9	6	23	38	-15	1	-11	-5	-10	-11	16	-1	12	10	57	-12	40	38
Kossuth	-35	-32	-48	2	-4	3	19	54	51	42	54	59	58	98	130	114	123	180	148	126	137
Lee	20	42	19	-35	63	96	41	98	69	50	109	80	136	195	134	217	205	237	284	237	168
Linn	1247	1207	1239	1189	1195	1414	1358	1404	1219	1177	1104	1038	1205	1318	1192	1420	1340	1555	1469	1294	1369
Louisa	89	51	52	24	37	30	48	42	46	5	60	25	44	57	63	56	82	62	99	70	46
Lucas	-23	12	-12	11	10	-22	-11	-13	-46	-15	-6	-1	-42	13	-10	33	5	55	-5	25	-2
Lyon	19	26	3	42	26	64	19	63	39	87	59	23	62	74	87	109	133	102	96	94	110
Madison	-4	14	0	15	19	-9	8	2	23	5	-3	-16	11	11	-10	30	15	71	45	58	41
Mahaska	54	26	67	32	54	44	76	35	73	58	66	65	51	64	91	99	87	167	82	105	84
Marion	19	48	36	104	83	86	61	45	83	40	129	71	152	95	141	186	142	193	183	167	146
Marshall	-39	31	-13	9	26	15	-48	17	-12	67	-3	128	118	171	183	194	242	246	214	182	256
Mills	20	43	42	60	10	41	41	7	21	31	25	31	29	64	62	30	89	92	114	85	74
Mitchell	-18	-16	-10	6	-3	-27	13	-17	-23	-3	-33	39	-6	-12	4	4	33	54	18	30	46

Table 3. Natural Change in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	-46	-63	-30	-36	-52	-17	-14	-42	-30	-48	-34	-20	-72	-32	9	-2	22	36	13	4	13
Monroe	-4	-2	-22	-28	23	-20	2	11	-41	-16	-5	-23	-4	13	-5	-6	-4	17	5	16	9
Montgomery	-65	-37	-29	15	-42	9	-38	-23	-36	-30	-22	-41	-13	-16	42	10	36	53	43	22	51
Muscatine	212	262	261	212	262	281	285	308	305	275	177	294	253	246	349	390	373	375	354	291	360
O'Brien	11	-8	6	-30	7	7	-29	-6	13	-27	-25	47	19	37	68	59	121	81	71	92	106
Osceola	1	-12	-3	-20	9	9	19	28	22	23	-14	-9	11	17	32	43	31	32	42	25	38
Page	-82	-21	-82	-34	-47	-58	-57	-30	6	-26	-50	-55	-21	-30	-27	-6	-15	47	20	46	35
Palo Alto	-18	-48	-36	-34	-44	-12	-33	-45	1	-14	-23	-6	32	27	66	37	67	61	47	50	73
Plymouth	80	71	73	98	83	73	71	111	90	96	110	166	88	164	166	148	248	181	216	159	163
Pocahontas	-52	-52	-42	-51	-31	-28	-28	3	-22	-25	-19	7	17	5	29	-26	17	-9	5	2	52
Polk	2981	3044	2771	2853	2843	3094	2880	2828	2974	2394	2503	2457	2554	2482	2513	2596	2700	2631	2506	2228	2218
Pottawattamie	380	343	385	366	424	530	545	615	550	466	433	581	532	579	654	659	698	682	784	627	565
Poweshiek	-12	-19	17	10	21	11	67	30	31	-3	-1	24	25	11	69	62	74	55	98	43	72
Ringgold	-26	-31	-16	-58	-45	-20	-21	-40	-12	-15	-18	-35	-10	14	-2	33	-9	2	2	-29	-3
Sac	-40	-8	-26	-41	-37	-15	-19	-33	-24	-23	-19	-19	1	14	-3	-5	62	88	37	47	61
Scott	906	1121	949	984	1101	1259	1238	1325	1158	1157	1075	1309	1369	1433	1407	1658	1615	1781	1660	1581	1575
Shelby	-49	-28	-14	-23	16	8	3	31	2	7	25	9	16	98	50	94	31	85	46	54	71
Sioux	143	139	181	136	195	215	221	206	194	216	219	259	233	284	346	326	355	400	358	399	369
Story	394	486	431	455	365	466	447	512	469	537	522	526	610	682	679	606	693	653	680	615	555
Tama	53	7	17	7	3	56	-3	-11	9	31	35	18	18	50	68	98	25	78	62	35	74
Taylor	-29	-31	-11	-21	-25	-19	-52	-13	-54	-25	-33	-51	-7	-4	-24	6	-8	21	9	-36	-6
Union	-16	-3	-15	-40	-11	-11	-22	-19	10	-28	-23	-1	-17	-1	9	22	52	59	72	45	17
Van Buren	-17	-13	-23	2	2	-6	-10	2	-25	-11	-4	-22	-10	28	-12	8	37	7	16	-4	17
Wapello	-28	12	-49	0	2	4	-7	17	25	-56	4	-39	25	21	-8	123	70	99	92	34	35
Warren	217	142	217	133	214	283	268	196	227	195	245	220	262	228	255	272	297	324	340	283	320
Washington	23	78	95	34	37	63	34	92	84	68	79	65	34	81	56	104	90	119	115	85	122
Wayne	-70	-45	-27	-41	-30	-38	-28	-9	-19	-15	-32	-49	-42	-17	-45	-4	-37	-5	22	-20	-15
Webster	28	4	8	36	51	84	74	146	146	94	105	126	158	163	185	244	186	288	264	182	249
Winnebago	0	-7	6	-2	-29	-17	-13	10	40	14	5	52	23	19	35	44	17	64	73	65	85
Winneshiek	22	30	52	64	54	96	76	40	86	74	87	67	58	114	97	131	112	148	158	82	100
Woodbury	729	764	679	666	669	691	705	692	540	565	599	517	702	651	675	678	838	809	933	734	985
Worth	-23	-12	-31	-11	-2	-3	3	-16	21	-20	-4	-5	9	12	2	30	25	34	28	9	40
Wright	-66	-19	-38	-41	-54	-2	13	36	26	-13	-4	-14	-3	14	29	12	11	39	42	25	53
State of Iowa	8972	9330	8828	9406	9854	11879	11619	12515	11769	10219	10653	11727	13372	15388	15738	17864	18988	20701	19947	17142	18148

each year during the 1977-1997 period (Table 3). But births outnumbered deaths by a smaller margin each year from 1980 through 1988. This trend was reversed from 1988 to 1990 and changed little from 1990 through 1992. In 1993, a substantial decline occurred; there were 9,854 more births than deaths that year, compared with 11,879 in 1992. This narrowing of the difference between total numbers of births and deaths continued through 1995, when 8,828 more were born than died. But this reversed slightly in 1996, when there were 9,330 more births than deaths. The narrowing of the difference between numbers of births and deaths resumed in 1997; births exceeded deaths by 8,972 that year.

Fifty-four Iowa counties reported natural increases (more births than deaths) in 1997. These ranged from less than 50 in 30 counties to more than 100 in 14 others. Two counties (Linn, Polk) had at least 1,000 more births than deaths in 1997. Three others (Johnson, Scott, Woodbury) had natural increases of at least 500 that year.

Forty-three of Iowa's counties had natural decreases (more deaths than births) in 1997 (Figure 2). This was a drop from the 52 reported in 1996, the first decline since one that occurred from 1988 to 1989. Deaths outnumbered births by at least 50 in Calhoun, Hardin, Montgomery, Page, Pocahontas, Wayne, and Wright. In 1977, only Calhoun, Lucas, Ringgold, Taylor, and Wayne reported more deaths than births (Figure 3).

A third (33) of the counties recorded more births than deaths every year from 1977 through 1997. The decline in the magnitude of natural increase was great in some counties, however. In Webster, for example, there were 288 more births than deaths in 1980 but only 4 more in 1996; in Black Hawk, births outnumbered deaths by 1,323 in 1980 and 366 in 1994. Only Wayne had more deaths than births every year except one, although 23 others had natural decreases occurring in at least 11 of the 21 years examined. Calhoun, Cass, Fremont, Monona, Page, Ringgold, Sac, and Taylor in addition to Wayne reported more deaths than births in at least 14 of the 21 years.

Concluding Comments

While the number of deaths in Iowa has changed relatively little through the 1980s and 1990s, births declined substantially. In the late 1970s and early 1980s, the state and nearly all counties had more births than deaths. Beginning in 1994, however, at least 4 of every 10 counties experienced more deaths than births. These trends suggest that many counties will continue to have difficulty adding to their populations through natural events.

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

Figure 1. Births and deaths in Iowa, 1915-1997.

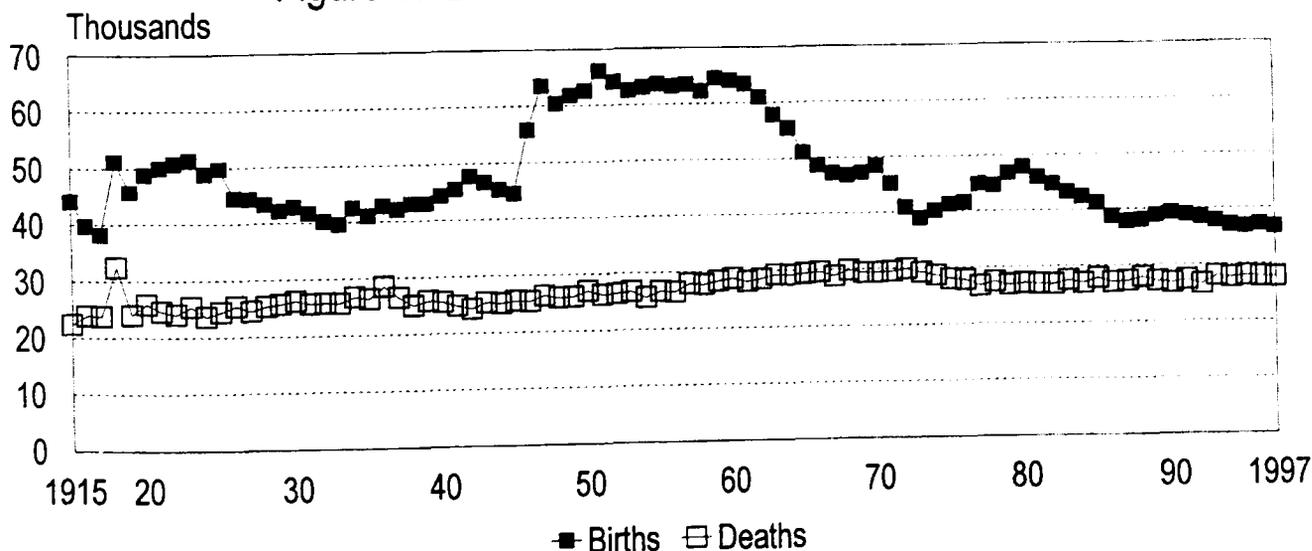


Figure 2. Natural change, 1997.

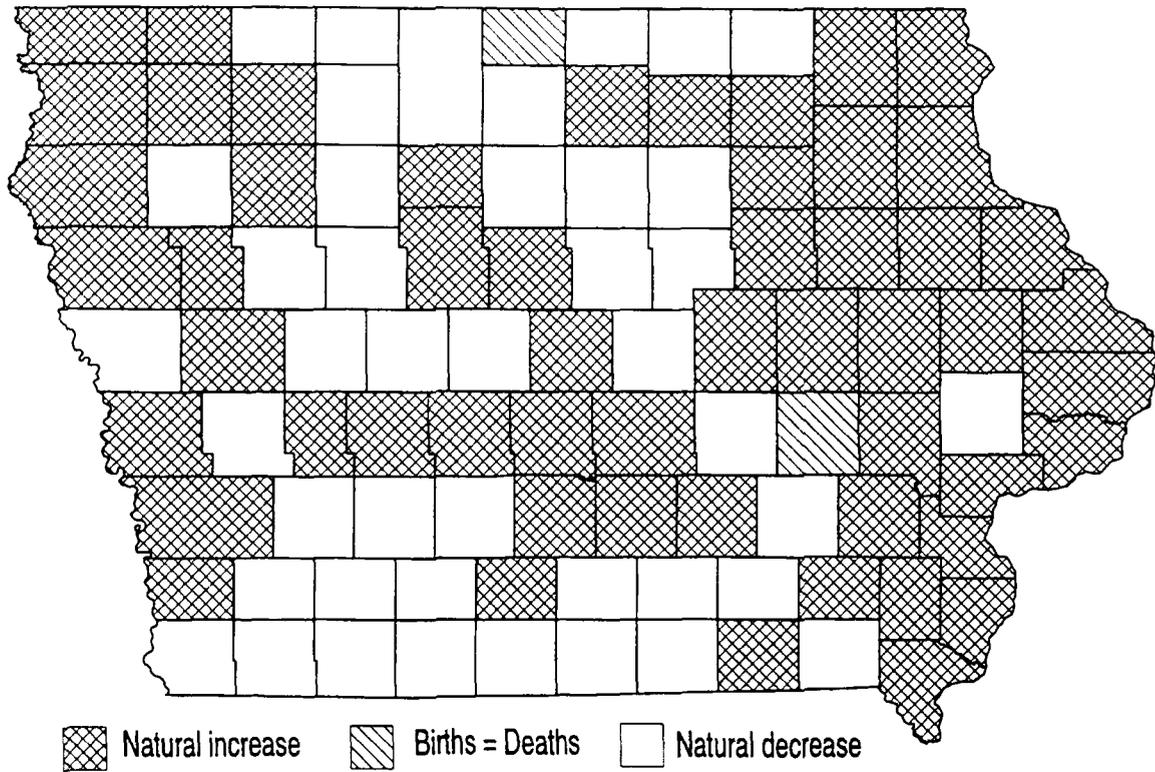
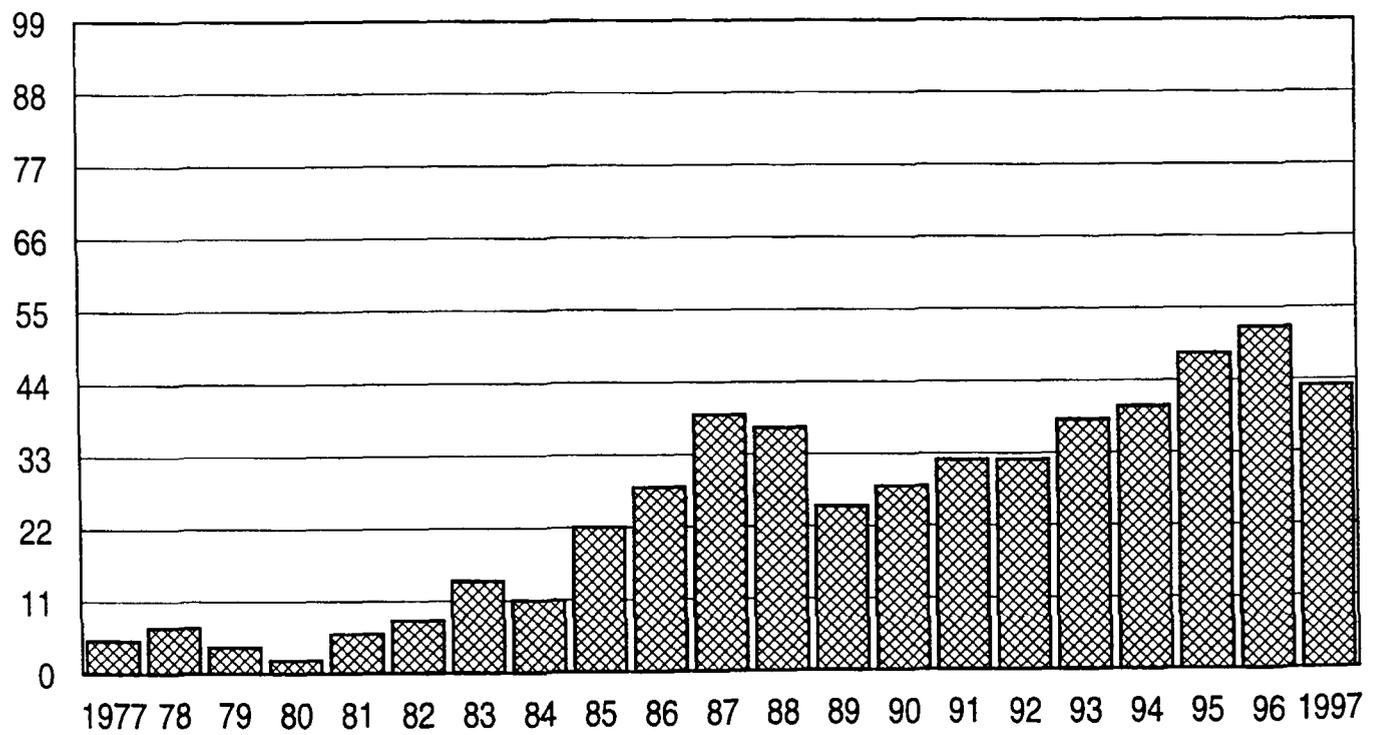


Figure 3. Number of counties with natural decrease in Iowa, 1977-1997.



Estimated Birth and Death Rates in Iowa's Counties: 1977-1997

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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. These are called crude rates because they are not adjusted by age (for deaths) or by the number of women of child-bearing years (for births). Caution is urged in examining the 1977-1979, 1981-1989, and 1991-1996 rates; they are based on population estimates provided by the U.S. Bureau of the Census.

Iowa and National Birth and Death Rates

The birth rate for Iowa dropped substantially from 1977 to 1997, although there was an increase from 1978 to 1980 (Figure 1). There were at least two more births per 1,000 residents in 1980 (16.4) than in 1986-1997, although the rate was up half a point from 1987 to 1990. From 1990 to 1997, however, the birth rate again declined. In the last three years, birth rates were at least 3 points below those of 1979 and 1980. The death rate in Iowa has not changed as much; it ranged from 9.2 in 1977 to 10.1 in 1988. The 1997 figure was 9.7 deaths per 1,000 residents. Although Iowa's death rate is somewhat higher than that for the nation (1997, 8.6), the pattern of change has been similar. But the direction of change for birth rates in Iowa and the United States was in marked contrast from 1980 to 1992. Iowa's birth rate declined during much of the 1980s, while it remained relatively stable in the nation; more recently, however, the country's birth rate began to decline. In 1980, Iowa's birth rate of 16.4 was a half point above that of the nation (15.9); in 1997, however, Iowa's figure of 12.8 was substantially below that of the United States (14.4), although the gap has narrowed the last few years. Iowa's rate dropped by less than 1 point since 1992, while it declined by 1.5 points for the nation.

County Data on Birth and Death Rates

In 1997, 22 counties had birth rates above the state figure of 12.8 (Table 1). Three counties (Louisa, Polk, Woodbury) had rates at least 3 points above that for Iowa. Another four (Davis, Linn, Pottawattamie, Tama) had rates more than a point above the state average. Of the 76 counties with birth rates below that of the state, 29 fell more than 2 points under the state level of 12.8. Eleven counties had fewer than 10 births for every 1,000 residents in 1997, with Adams the lowest at 7.5, a rate less than half those in Louisa, Polk, and Woodbury.

Death rates in 1997 varied from less than 7.0 (Johnson, Story) to more than 16.0 (Decatur, Ringgold, Wayne) in Iowa's counties (Table 2). Although only five counties had death rates 2 points or more below the state average of 9.7, 41 counties reported rates 2 or more points greater than that for the state. Seventeen counties had rates at least 4 points higher than did the state. A total of 72 counties had death rates above the state figure.

A fourth (24) of Iowa's 99 counties had higher birth rates in 1997 than in 1987, although the gain never was as much as 2 points. Among the 74 counties with birth rates that were lower in 1997 than in 1987, 19 dropped by less than a full point. Adams, Carroll, and Delaware, however, reported birth rates in 1997 that were at least 4 points below those for 1987. Only Louisa and Polk had higher birth rates in 1997

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	8.3	7.4	9.7	11.2	8.8	12.5	10.4	12.1	12.9	10.1	11.0	12.8	13.6	12.5	12.5	15.4	13.3	17.5	18.1	15.0	16.4
Adams	7.5	10.8	8.0	14.0	11.1	8.8	13.5	12.3	14.0	14.5	12.1	10.6	13.7	13.5	11.7	14.4	11.4	16.4	14.3	13.2	14.2
Allamakee	11.8	12.3	11.1	11.3	12.6	14.2	12.5	12.8	15.2	14.2	14.3	14.6	15.0	14.8	14.8	15.9	16.6	16.7	14.5	15.4	15.6
Appanoose	10.4	12.3	10.8	11.2	11.9	12.6	12.4	12.1	12.0	12.0	11.5	12.7	13.1	13.4	13.0	12.1	14.9	15.5	16.5	15.5	13.8
Audubon	12.0	9.2	10.9	12.7	10.3	9.8	10.5	12.4	11.2	10.9	12.5	11.3	13.7	16.2	14.5	14.2	13.2	17.6	14.0	13.4	13.9
Benton	11.2	10.7	12.2	12.2	13.1	13.3	14.9	14.2	13.0	12.8	12.7	13.2	13.7	14.4	12.7	13.2	14.8	17.5	15.5	15.5	14.1
Black Hawk	13.1	13.1	12.3	13.0	14.3	13.3	13.9	13.7	13.7	13.3	13.1	13.8	15.0	15.6	15.5	16.4	16.9	17.3	17.4	16.7	16.8
Boone	11.0	11.6	12.1	12.4	10.9	11.4	12.3	13.1	12.3	13.8	12.6	11.7	12.8	13.0	13.4	14.1	14.6	15.1	14.5	13.4	14.1
Bremer	9.4	10.0	10.7	10.5	11.7	11.2	10.3	10.6	11.3	10.3	10.7	11.5	12.5	12.6	13.0	14.9	16.1	16.8	15.8	15.3	14.6
Buchanan	13.4	13.5	13.4	14.8	13.1	15.6	14.4	14.5	16.1	14.9	15.6	13.6	16.8	17.1	17.3	19.8	19.5	19.5	18.1	17.9	18.7
Buena Vista	13.2	11.5	11.0	12.1	11.8	13.7	13.3	14.4	12.6	15.0	13.1	14.4	15.3	13.9	14.6	15.0	16.5	15.5	14.7	13.4	15.5
Butler	10.2	9.4	10.6	10.4	10.8	10.1	10.2	11.7	11.4	11.8	11.2	12.8	12.0	14.2	15.0	14.6	13.4	16.1	15.1	16.7	16.0
Calhoun	8.5	10.0	9.9	9.1	7.8	10.4	9.6	11.3	10.7	9.5	12.3	12.7	12.1	11.0	13.1	14.8	12.7	15.1	14.3	14.3	12.4
Carroll	11.0	12.1	13.1	12.5	11.9	12.6	13.0	14.9	13.6	14.4	15.5	16.3	16.6	17.0	18.4	16.9	18.1	19.0	18.4	16.4	16.8
Cass	10.9	10.2	10.2	9.9	11.8	11.3	13.6	12.7	12.6	12.4	10.6	12.9	12.2	15.1	13.5	15.0	16.8	14.2	15.9	13.5	14.7
Cedar	11.0	11.0	11.5	11.0	11.6	11.2	12.4	12.7	12.9	11.4	10.8	10.9	13.8	13.7	13.9	14.4	15.3	14.0	15.2	14.0	14.5
Cerro Gordo	11.3	12.9	12.7	12.6	12.7	12.8	13.2	14.7	14.0	13.2	13.2	13.6	14.9	14.1	14.7	14.8	14.9	15.0	14.4	13.5	13.6
Cherokee	10.6	8.6	9.8	11.3	10.2	11.3	10.9	14.2	12.5	11.8	11.4	14.2	13.0	13.2	14.4	14.6	15.2	14.7	15.3	13.7	15.9
Chickasaw	11.7	9.2	11.3	12.6	13.5	12.5	12.5	15.0	13.6	12.6	11.2	14.2	12.2	15.0	14.8	17.4	17.0	16.7	17.6	15.4	16.7
Clarke	10.1	10.5	12.5	10.0	9.7	12.6	12.7	12.8	14.5	13.3	13.7	13.1	13.8	12.2	13.1	15.6	14.1	14.6	14.4	12.4	13.8
Clay	11.2	10.7	11.7	12.4	10.8	13.2	14.6	13.6	14.9	12.9	13.7	13.7	14.7	13.7	15.9	18.6	16.2	17.7	17.4	17.8	16.5
Clayton	10.4	9.4	11.0	11.0	12.8	12.2	13.5	12.7	13.6	12.1	12.9	13.0	14.8	13.7	14.9	15.7	17.4	16.3	15.3	14.7	16.5
Clinton	12.5	11.9	12.9	12.6	13.3	13.3	13.4	13.4	13.2	13.2	13.3	13.5	14.1	14.5	14.0	15.2	15.6	16.1	16.1	15.8	15.6
Crawford	12.9	14.1	10.8	10.7	12.6	11.8	12.3	13.6	12.0	14.6	15.7	13.9	14.3	13.7	17.2	15.6	15.9	17.0	15.9	16.3	14.9
Dallas	13.5	14.5	14.3	13.6	13.4	13.6	14.0	13.7	15.2	13.2	14.7	13.5	13.7	15.6	15.7	14.7	14.7	15.8	15.3	15.9	16.1
Davis	14.1	15.3	11.1	15.1	14.1	12.9	15.3	15.4	14.0	13.7	12.9	14.3	15.2	14.3	16.5	15.2	16.4	16.4	17.6	13.7	14.7
Decatur	12.0	11.8	11.7	13.9	10.9	10.8	11.5	10.9	11.7	11.6	12.9	10.8	11.9	12.3	11.5	14.2	12.8	13.2	13.3	10.0	13.2
Delaware	11.3	12.7	11.6	14.6	14.3	14.3	14.9	15.8	14.6	16.1	15.8	15.6	17.3	16.6	18.2	19.3	17.6	21.2	19.4	16.9	17.9
Des Moines	13.0	13.3	12.3	12.2	13.0	13.3	13.6	13.3	13.7	13.1	12.6	12.0	15.3	14.7	14.7	14.8	16.1	16.6	16.5	14.7	15.2
Dickinson	10.6	9.4	8.8	9.6	8.3	10.0	10.7	10.7	10.6	10.0	11.9	11.1	11.8	12.8	11.7	14.7	12.8	14.7	15.2	13.7	14.8
Dubuque	13.0	13.6	13.5	13.3	14.3	13.4	14.2	14.6	13.7	13.6	14.4	13.7	14.3	15.2	15.2	15.7	16.5	16.9	17.3	16.3	15.2
Emmet	10.8	12.1	9.7	9.6	12.4	11.6	13.4	11.6	10.5	11.9	12.4	11.7	12.8	12.5	15.3	15.2	16.1	17.0	17.1	17.1	16.5
Fayette	11.8	11.3	12.3	13.8	11.6	12.7	13.4	13.2	12.8	13.6	12.0	12.3	12.7	14.8	14.8	16.3	15.2	15.9	14.2	15.6	14.0

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	12.7	11.7	12.2	11.1	11.9	12.0	13.1	12.8	12.7	11.3	11.9	11.9	12.7	12.8	15.0	13.1	14.3	13.2	15.3	14.1	14.1
Franklin	12.0	11.4	10.5	12.1	10.7	11.3	11.5	10.9	11.6	11.8	11.8	12.2	14.0	15.4	13.0	13.8	14.8	15.0	14.3	15.3	15.0
Fremont	12.0	7.6	10.6	9.7	11.1	12.6	13.1	12.2	11.9	12.2	11.9	14.3	13.1	13.0	13.7	12.8	14.3	13.9	15.3	12.7	14.2
Greene	11.0	11.9	11.2	10.7	12.7	12.2	12.3	10.8	10.2	11.3	13.1	11.7	13.1	15.0	14.4	14.0	16.4	15.0	16.2	14.0	13.6
Grundy	10.4	10.1	8.0	9.2	11.7	9.4	11.4	12.1	11.4	11.6	9.7	11.6	10.8	12.6	13.6	12.0	12.8	15.8	15.6	13.2	15.4
Guthrie	11.1	11.4	10.7	11.2	9.4	13.9	12.4	11.2	10.2	10.6	9.4	10.2	10.4	13.4	12.5	12.7	13.5	14.9	13.3	13.2	13.5
Hamilton	13.1	11.3	11.9	12.7	12.0	12.8	13.7	13.0	13.1	12.1	11.9	14.4	11.7	14.8	13.5	12.5	14.5	14.4	15.6	13.4	14.1
Hancock	10.5	10.0	10.1	10.4	10.3	11.5	12.6	13.0	13.0	12.4	12.8	14.4	14.2	15.7	14.2	17.2	15.9	18.2	17.5	16.2	15.6
Hardin	10.2	11.6	13.0	11.7	11.0	10.2	11.0	11.2	11.1	11.6	11.1	11.5	12.9	13.3	14.6	15.0	14.7	16.0	13.6	13.6	12.7
Harrison	11.7	11.4	11.5	11.8	12.1	13.6	13.7	12.7	12.9	12.7	14.8	15.0	14.7	13.9	12.7	13.5	13.7	15.5	13.3	13.0	16.3
Henry	12.1	10.2	13.9	12.1	12.9	13.1	12.2	13.8	11.8	13.0	12.4	13.2	12.6	14.2	14.0	14.4	14.8	16.0	14.1	15.3	15.4
Howard	12.8	9.4	12.1	9.8	11.3	12.7	11.6	13.8	12.7	11.0	14.4	13.7	13.0	14.8	15.1	15.5	14.4	16.6	15.9	13.7	14.9
Humboldt	12.3	10.7	10.3	11.3	10.5	9.5	9.7	10.4	12.6	13.2	12.6	13.2	14.0	15.7	14.9	15.8	15.7	15.4	16.3	14.2	14.0
Ida	12.5	12.3	8.9	10.3	11.2	11.4	12.1	12.8	17.9	14.6	13.4	13.7	15.4	16.8	16.6	13.4	17.9	16.6	17.0	13.2	16.2
Iowa	10.1	14.8	12.7	14.2	14.3	13.3	14.1	14.6	16.1	12.1	12.2	14.4	12.1	14.3	14.4	14.2	14.9	14.8	16.6	13.0	13.9
Jackson	12.0	11.7	13.0	11.9	12.8	12.8	14.4	12.6	12.6	13.4	13.9	13.4	16.0	14.9	15.9	16.2	16.6	16.4	17.5	17.3	16.2
Jasper	12.2	12.0	11.8	12.5	12.1	13.1	13.6	12.4	13.3	12.8	12.7	12.1	13.6	13.2	12.5	14.7	14.0	14.6	14.3	14.6	14.3
Jefferson	9.5	10.2	9.1	10.2	10.6	11.2	11.4	11.8	12.3	12.7	10.9	13.4	13.6	13.7	14.4	12.8	13.1	13.3	13.0	12.2	14.9
Johnson	12.5	12.5	12.4	12.8	13.5	13.9	14.0	14.6	13.7	14.4	14.2	14.3	15.0	15.0	14.6	15.3	16.1	15.6	15.1	14.7	14.5
Jones	10.5	11.0	9.6	12.7	11.8	12.3	13.0	12.9	12.2	12.5	11.4	11.4	14.8	13.2	13.8	14.0	13.5	15.8	15.5	15.6	13.8
Keokuk	11.0	11.6	12.5	11.2	12.3	12.7	15.1	12.9	13.0	13.5	12.4	11.3	12.7	14.8	14.7	13.1	15.6	17.3	13.8	13.6	14.1
Kossuth	9.7	9.1	9.6	10.8	12.1	10.9	12.4	13.5	12.7	12.9	13.0	13.5	12.8	14.2	16.7	16.2	15.4	18.1	18.1	15.3	15.6
Lee	11.5	12.3	12.3	11.2	13.5	13.8	12.7	12.8	12.7	13.0	13.7	13.0	14.4	14.0	14.2	14.7	15.6	16.1	15.9	15.8	15.0
Linn	14.2	14.1	14.5	14.4	14.6	15.3	15.4	15.6	14.9	14.9	14.4	14.3	14.9	15.1	15.0	15.8	15.2	16.6	15.8	15.1	15.2
Louisa	15.9	13.5	14.7	13.7	15.6	12.5	12.7	14.1	12.9	12.1	14.4	12.4	12.3	13.4	14.3	14.8	16.5	14.3	17.3	14.8	14.6
Lucas	10.5	13.6	11.1	14.3	12.9	11.1	12.2	12.8	10.1	11.9	10.8	11.8	11.3	13.1	11.4	16.0	13.1	16.5	13.2	14.2	12.2
Lyon	11.5	12.6	11.5	13.9	13.5	15.0	13.1	14.9	14.0	15.3	14.8	13.2	14.8	15.4	16.2	16.9	18.6	18.3	18.0	16.4	17.2
Madison	12.3	11.2	11.8	12.3	12.6	12.1	12.6	12.7	13.5	13.1	11.3	11.4	13.4	12.6	12.2	12.7	12.4	15.6	13.4	15.1	15.2
Mahaska	11.8	11.9	13.3	12.5	12.8	12.3	14.0	13.2	14.8	13.7	13.8	15.1	14.6	14.7	15.4	15.4	14.7	17.5	14.2	15.3	16.0
Marion	10.7	12.1	11.7	13.7	12.9	13.6	12.1	12.5	13.2	12.1	13.7	12.5	14.9	13.6	14.6	15.5	14.7	15.1	15.7	15.2	14.7
Marshall	12.2	14.3	13.3	13.7	13.8	12.5	12.0	13.1	12.7	12.7	11.7	13.1	13.8	14.3	15.0	14.8	15.6	16.2	15.0	13.6	14.4
Mills	11.1	12.6	11.4	13.5	11.9	11.3	12.8	10.3	12.7	11.6	13.1	12.9	12.5	14.4	12.9	13.0	15.7	16.8	16.1	14.5	14.9
Mitchell	12.0	11.7	11.7	12.8	14.0	11.6	13.6	12.0	11.5	12.3	11.9	13.1	12.9	12.9	14.6	12.9	14.1	15.9	15.2	14.6	13.5

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	10.9	9.8	12.6	12.4	10.6	14.5	13.4	11.4	11.1	10.2	10.6	12.3	9.7	12.5	15.4	13.8	14.0	15.3	13.4	14.6	13.1
Monroe	11.8	12.0	10.9	10.7	14.6	12.0	13.6	14.3	11.9	10.8	13.0	12.4	12.7	14.0	13.6	12.4	14.8	14.4	14.3	13.8	13.9
Montgomery	9.4	13.4	13.5	13.4	11.7	13.9	11.5	13.1	12.4	12.3	12.7	11.0	11.8	13.6	14.4	13.9	14.0	15.3	16.5	14.1	15.7
Muscatine	13.8	14.4	15.2	15.2	15.6	16.1	16.7	16.7	17.2	15.5	14.2	15.9	15.6	15.5	17.3	18.2	17.9	17.7	18.0	16.8	17.9
O'Brien	12.9	12.6	13.1	11.3	12.4	12.9	11.4	11.9	12.6	11.1	11.8	12.9	13.1	14.1	15.5	16.3	16.9	16.4	16.3	15.8	16.6
Osceola	11.4	11.2	12.7	9.8	11.3	11.9	14.7	12.9	13.8	14.1	11.8	11.7	13.8	13.0	16.1	15.3	15.4	16.4	15.4	14.5	15.4
Page	10.0	11.1	10.4	10.8	9.9	10.0	10.6	11.9	13.1	12.5	11.1	10.6	13.2	11.2	12.3	12.7	14.1	14.2	14.7	15.1	13.6
Palo Alto	12.1	9.7	9.4	10.3	10.5	10.7	10.5	8.9	13.0	12.3	11.1	11.8	15.2	13.3	17.3	14.7	16.9	16.4	15.2	14.2	16.3
Plymouth	13.3	12.7	13.1	12.9	12.9	13.4	12.6	14.8	13.2	13.1	15.0	15.9	14.1	17.0	17.1	16.0	18.3	17.3	17.9	15.2	15.7
Pocahontas	8.7	7.6	7.2	9.2	9.6	10.6	11.1	13.0	11.3	13.7	10.9	11.7	15.5	13.8	14.6	13.7	13.4	14.1	13.2	13.4	16.9
Polk	16.0	16.4	15.6	15.7	15.9	16.4	16.5	16.4	17.2	15.8	15.9	16.0	16.5	16.0	16.3	16.3	16.7	16.8	16.1	15.6	15.4
Pottawattamie	13.9	13.0	13.6	13.9	14.3	15.1	15.7	16.5	15.5	15.5	14.9	15.8	15.7	16.1	16.7	16.4	17.0	17.0	16.8	15.9	15.4
Poweshiek	10.1	10.2	11.4	11.1	10.9	11.4	12.5	11.9	11.9	10.7	10.0	11.9	11.6	11.7	12.8	13.3	13.5	12.8	14.5	13.0	14.0
Ringgold	12.2	8.0	10.3	5.6	7.1	10.6	9.8	8.1	9.7	10.3	11.0	8.1	13.5	14.1	11.8	17.5	13.2	14.1	14.1	12.1	13.2
Sac	10.9	13.3	11.3	10.4	11.5	11.5	10.3	11.8	12.4	11.5	11.9	12.0	13.5	13.7	13.0	13.3	16.8	16.6	14.2	14.3	15.3
Scott	13.8	14.7	14.4	14.4	15.5	16.0	15.7	16.1	15.8	15.8	15.2	16.7	16.5	16.9	16.8	17.2	17.6	18.5	17.9	17.3	17.3
Shelby	10.7	8.8	12.0	11.1	12.4	11.6	11.8	13.8	12.3	12.7	12.8	11.6	12.0	16.1	14.4	16.2	12.7	16.8	14.1	13.4	14.8
Sioux	13.3	12.1	13.1	12.2	14.2	14.3	14.6	14.5	14.5	15.7	15.4	16.5	16.8	17.0	18.7	18.3	19.1	20.6	18.9	21.0	20.0
Story	11.3	12.1	11.5	11.4	10.5	11.8	12.2	12.5	11.9	12.8	12.7	12.8	14.0	14.2	14.7	14.0	14.5	14.6	15.0	14.2	13.5
Tama	14.1	13.0	13.3	13.3	12.8	13.0	12.3	12.3	12.5	11.7	13.1	12.5	13.4	13.7	14.1	14.8	13.4	14.8	15.0	14.3	14.8
Taylor	11.1	10.5	10.6	11.0	9.9	10.6	8.9	12.9	11.0	10.1	11.6	9.4	11.6	12.6	12.4	16.0	14.3	16.2	16.3	14.2	13.6
Union	10.9	13.0	12.4	9.6	12.1	11.9	11.3	11.6	13.1	11.2	11.8	12.9	11.4	12.2	13.9	14.0	16.3	15.3	15.2	15.1	14.4
Van Buren	10.1	11.1	9.8	13.4	13.9	11.8	12.7	11.6	12.1	15.7	13.1	11.8	13.2	13.4	13.2	13.7	15.8	14.6	15.6	12.9	14.9
Wapello	11.8	12.9	11.3	11.9	12.9	11.8	13.5	13.7	13.6	11.8	12.3	12.6	12.3	13.8	12.3	14.3	13.7	14.8	13.6	13.7	12.6
Warren	12.9	12.2	12.4	11.7	13.2	13.9	15.0	13.3	14.0	13.7	13.9	13.4	14.5	14.1	14.0	14.3	14.7	15.8	16.2	15.6	16.4
Washington	12.2	15.8	15.0	13.8	13.5	13.3	13.9	15.7	15.4	14.3	15.3	13.9	13.6	15.5	14.2	14.4	14.5	16.2	17.0	14.5	15.5
Wayne	8.4	9.4	11.7	11.3	10.2	10.6	10.5	11.7	10.9	12.6	10.4	10.2	12.8	12.0	10.7	11.7	13.0	15.0	17.2	11.2	12.7
Webster	13.5	12.7	12.7	13.3	13.4	14.1	14.0	14.8	14.9	14.5	14.5	13.8	14.8	14.5	15.2	16.3	14.8	16.5	15.8	14.9	15.1
Winnebago	11.2	12.0	11.2	11.3	10.2	11.8	11.5	12.2	13.6	13.6	12.6	13.9	12.9	13.5	13.7	14.2	12.8	15.1	15.8	15.4	16.6
Winneshiek	9.6	10.1	11.5	11.5	10.9	12.2	12.0	12.4	12.8	12.9	12.8	13.6	13.4	14.8	14.8	14.2	13.7	14.9	14.9	13.4	13.6
Woodbury	16.6	16.6	16.6	16.3	16.4	16.7	16.4	16.6	15.3	16.2	15.9	14.9	16.7	16.1	16.5	16.8	17.9	17.8	18.1	16.4	18.1
Worth	9.7	10.8	11.4	11.6	11.8	11.5	12.6	12.4	13.2	12.2	12.0	12.1	13.4	13.1	12.4	14.5	14.3	14.0	13.2	13.8	14.3
Wright	10.7	12.0	9.7	11.0	11.0	12.0	13.3	15.0	13.3	12.2	12.3	11.5	12.7	12.8	13.1	13.1	13.7	15.1	13.7	13.8	14.4
State of Iowa	12.8	13.0	13.0	13.1	13.4	13.7	13.9	14.2	14.0	13.8	13.7	13.9	14.6	14.8	15.1	15.5	15.8	16.4	16.0	15.3	15.4

Table 2. Estimated Death Rates per 1,000 Population in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	14.2	16.4	13.5	15.3	14.5	12.8	13.2	12.4	12.0	12.1	14.5	14.3	11.5	12.6	12.3	11.2	11.7	11.8	11.8	11.9	12.9
Adams	12.7	12.4	16.6	14.5	13.3	12.0	13.3	11.7	14.0	15.3	10.5	11.7	10.2	14.6	12.0	13.5	11.9	13.1	11.9	13.2	11.5
Allamakee	11.1	11.8	11.8	12.0	12.2	12.8	11.9	14.3	13.4	12.0	13.1	13.3	12.4	11.3	11.8	11.0	11.3	12.5	10.1	11.4	11.3
Appanoose	13.8	14.3	14.0	13.9	14.5	12.5	14.3	13.0	12.7	13.7	14.0	11.6	15.4	12.5	11.4	11.1	12.8	13.7	13.4	13.0	13.1
Audubon	9.4	14.6	14.2	15.7	15.3	16.6	13.5	12.0	11.3	15.3	12.4	10.7	13.8	8.9	12.1	14.0	12.0	8.8	10.7	11.3	11.4
Benton	9.2	8.4	8.6	8.4	8.8	9.1	9.8	8.8	10.5	11.2	10.6	9.4	9.7	9.3	10.7	8.9	9.0	9.0	10.2	10.4	10.6
Black Hawk	9.5	9.4	9.1	10.0	9.6	9.1	9.0	9.2	8.6	9.1	8.7	8.2	8.3	7.5	8.2	7.7	7.5	7.7	8.1	8.0	7.3
Boone	11.5	11.6	12.0	12.0	12.2	10.5	11.0	11.5	11.1	12.7	11.2	10.6	11.0	10.4	11.0	12.3	10.7	11.1	11.4	12.2	10.6
Bremer	8.8	9.0	10.1	10.2	11.5	9.4	9.3	10.0	9.3	10.6	10.3	9.6	8.7	8.5	7.7	7.5	8.6	9.1	9.3	8.6	9.0
Buchanan	10.5	9.3	10.9	9.6	10.9	9.6	8.6	8.9	9.5	9.8	8.8	9.0	8.3	9.5	9.5	9.5	7.4	8.4	8.9	9.6	9.6
Buena Vista	10.8	10.8	10.5	10.7	10.7	9.8	10.0	10.5	12.6	11.9	11.0	10.3	12.6	10.2	12.2	10.4	11.5	11.8	11.7	9.6	9.7
Butler	12.2	11.3	12.8	12.9	12.4	12.8	11.1	10.7	12.4	11.4	11.9	12.8	10.7	10.7	11.1	10.7	9.1	9.4	10.0	10.0	10.0
Calhoun	15.6	13.3	15.7	12.1	14.7	16.1	14.9	12.9	17.4	14.9	14.4	13.1	17.1	13.6	12.9	13.1	12.2	13.7	12.3	15.8	12.6
Carroll	11.2	11.3	10.1	10.7	10.6	10.9	10.1	10.0	9.4	9.7	10.5	8.6	9.6	10.5	10.8	11.1	10.4	10.4	9.6	11.4	11.0
Cass	13.4	13.6	14.3	11.6	12.0	12.3	14.2	13.6	14.8	15.0	12.8	14.0	14.8	12.9	12.6	12.5	11.1	12.4	11.0	14.6	12.3
Cedar	11.1	9.7	10.0	10.0	9.0	8.8	8.5	10.1	9.6	9.8	9.7	9.8	9.4	9.5	9.5	9.0	9.5	9.5	9.0	10.7	9.5
Cerro Gordo	10.6	11.4	11.6	10.5	10.8	10.5	9.7	10.3	9.9	10.0	10.2	9.8	9.6	10.8	9.3	9.9	10.0	9.6	9.5	10.3	10.0
Cherokee	12.2	14.3	10.4	11.4	11.4	11.7	11.8	12.1	12.0	11.5	12.2	10.5	12.0	10.7	10.9	10.8	10.7	10.8	9.8	11.1	10.1
Chickasaw	10.0	10.2	12.0	12.6	11.7	9.4	12.0	10.7	9.8	9.8	12.3	10.5	10.4	10.5	9.3	7.6	10.5	10.3	10.1	10.7	10.0
Clarke	9.7	12.3	13.0	11.1	12.7	12.3	13.7	11.2	13.1	11.8	11.1	10.5	13.2	12.0	11.2	9.5	11.7	12.3	12.1	11.2	10.9
Clay	9.5	9.4	12.1	9.3	10.3	9.7	10.5	9.0	10.4	9.9	10.9	11.2	9.2	9.5	8.6	8.4	8.8	9.5	9.8	8.5	8.1
Clayton	10.0	11.7	12.0	11.7	11.4	11.7	12.7	10.5	11.8	11.6	12.0	12.0	12.9	11.7	11.1	11.2	10.4	11.1	11.4	10.2	11.1
Clinton	11.4	11.2	10.7	10.4	10.7	10.1	10.6	11.0	10.9	11.2	9.7	10.6	9.2	10.0	10.9	9.6	10.2	9.3	9.3	10.1	9.1
Crawford	10.9	11.0	9.2	10.4	10.8	10.3	9.3	10.1	9.4	9.2	9.8	11.3	11.7	10.1	10.5	9.7	10.6	9.5	9.7	10.5	9.7
Dallas	8.9	8.7	9.0	9.1	8.6	8.8	9.1	9.6	9.3	10.0	10.6	9.3	9.2	9.1	9.1	9.3	8.8	8.9	10.4	8.5	9.4
Davis	9.4	12.3	14.0	10.8	12.8	10.5	12.4	12.0	11.9	11.5	10.4	11.0	12.3	9.6	13.3	11.6	13.0	10.5	10.7	10.1	9.8
Decatur	16.1	12.4	10.8	13.9	14.7	15.7	16.5	12.7	12.4	11.6	12.3	13.4	13.6	10.0	15.2	14.2	10.2	12.2	11.2	12.2	11.4
Delaware	8.2	8.6	9.3	8.1	9.5	9.9	7.9	9.5	9.1	8.9	8.5	9.9	9.5	9.8	8.9	9.9	9.0	9.6	11.0	10.1	8.2
Des Moines	10.6	10.7	11.0	9.6	10.0	9.3	11.1	10.7	11.6	12.1	10.2	11.5	11.9	10.0	9.4	10.7	8.8	10.1	9.0	10.0	10.0
Dickinson	10.8	11.5	11.5	11.9	11.2	9.8	10.7	10.7	10.8	12.2	10.0	9.8	10.8	11.1	10.2	11.2	9.8	8.6	9.2	9.9	11.4
Dubuque	9.0	9.3	9.6	9.9	9.7	9.3	9.7	9.7	9.8	9.1	9.0	9.3	9.0	9.2	8.9	8.7	9.1	8.6	8.3	8.8	8.3
Emmet	13.1	12.9	11.6	11.8	12.8	12.7	11.2	11.6	13.5	10.4	11.3	10.3	11.5	11.8	10.7	10.4	10.0	11.9	10.1	9.3	9.9
Fayette	11.8	11.8	10.6	11.6	11.6	11.0	12.1	11.8	12.2	12.6	12.2	12.7	12.6	11.5	11.2	11.6	11.6	10.2	10.1	10.3	10.2

Table 2. Estimated Death Rates per 1,000 Population in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	12.1	13.0	12.7	11.8	13.1	12.8	12.7	11.9	12.7	12.6	10.1	11.6	13.3	9.7	11.2	11.8	10.2	11.8	10.1	11.3	11.0
Franklin	12.4	12.3	12.9	12.5	12.9	10.5	11.5	10.6	11.9	13.5	13.3	10.2	11.4	12.1	10.3	10.2	10.5	10.4	11.8	12.7	12.2
Fremont	14.4	15.4	16.3	15.8	14.1	15.5	12.9	12.6	14.8	15.3	16.5	14.5	12.5	14.5	13.5	13.6	13.2	12.7	15.8	11.4	13.8
Greene	13.0	15.2	13.8	10.3	11.4	14.0	14.2	14.1	12.1	15.4	14.1	12.7	14.2	13.5	12.6	11.5	13.9	11.2	11.4	10.8	12.7
Grundy	11.0	11.5	11.0	10.1	10.5	7.4	11.2	9.7	10.7	12.1	10.3	10.6	10.5	8.3	9.8	10.5	8.7	9.6	10.7	9.7	10.1
Guthrie	10.3	12.8	12.9	12.4	13.0	12.2	12.0	13.0	13.5	17.2	14.9	14.0	13.3	13.2	14.4	15.1	12.6	13.8	13.4	10.0	11.9
Hamilton	12.0	11.4	11.5	9.6	10.7	11.4	11.6	11.0	11.9	12.1	10.2	10.3	9.8	9.9	11.2	11.4	9.2	9.1	10.7	10.0	10.8
Hancock	10.6	10.7	12.6	10.3	11.1	10.7	9.2	10.3	8.7	11.7	10.5	9.5	10.6	9.9	10.7	9.6	10.8	11.5	10.6	9.7	10.9
Hardin	13.3	12.9	12.0	13.1	13.1	14.2	12.6	12.4	12.0	11.7	12.4	13.0	11.7	11.5	10.8	10.8	12.1	11.2	11.2	10.8	10.5
Harrison	11.3	14.9	12.5	12.1	15.5	13.6	13.8	13.4	11.9	14.7	14.0	11.3	13.3	12.0	12.0	12.7	12.2	12.5	10.7	10.2	12.5
Henry	9.8	9.4	10.1	10.0	11.9	10.2	11.0	8.8	11.0	10.1	11.5	9.8	11.1	10.6	9.7	10.5	9.5	11.0	11.0	9.3	9.7
Howard	14.3	12.6	13.6	13.5	12.6	12.3	12.0	12.6	10.8	12.8	15.1	12.6	13.6	13.4	12.7	12.2	12.6	10.1	12.3	10.7	11.4
Humboldt	11.2	12.5	12.5	11.0	13.5	13.3	12.2	12.6	9.2	11.2	10.3	11.1	11.2	11.2	10.0	10.8	9.3	11.1	9.1	10.1	10.2
Ida	10.7	12.5	15.3	13.1	14.1	12.6	14.1	13.7	10.3	13.8	13.7	12.7	11.8	11.5	12.8	11.9	11.1	12.0	10.4	10.6	13.5
Iowa	10.1	11.9	11.6	11.0	11.6	11.0	10.5	11.9	10.4	11.5	13.3	9.7	10.7	10.7	11.1	11.7	9.7	10.4	8.5	9.6	11.1
Jackson	11.5	12.7	11.0	10.9	11.3	10.1	12.1	10.5	12.2	10.9	11.4	10.4	10.6	10.1	9.0	10.0	10.1	10.5	9.2	10.3	9.4
Jasper	9.5	9.7	10.3	10.8	10.4	10.2	10.8	8.6	9.5	10.4	9.9	9.9	9.5	9.6	10.7	8.7	9.5	9.4	8.9	9.0	9.3
Jefferson	9.2	9.4	8.5	8.2	9.9	9.7	10.6	9.4	8.9	9.8	9.9	10.4	10.1	10.4	11.0	10.3	10.4	9.4	9.6	9.1	9.9
Johnson	4.7	4.8	4.7	4.7	4.6	4.4	4.7	4.5	4.9	4.5	5.0	5.0	5.4	5.1	5.3	4.8	4.7	4.8	5.1	5.0	4.7
Jones	8.0	9.0	8.3	8.5	8.9	8.5	10.3	9.9	9.0	10.1	9.4	10.4	9.4	8.7	9.0	8.6	10.4	8.2	9.6	9.0	8.3
Keokuk	13.1	12.6	11.5	12.0	11.8	10.7	11.9	14.2	13.0	14.5	12.8	12.1	13.6	13.5	14.8	12.2	14.8	12.8	14.7	10.6	11.3
Kossuth	11.7	10.9	12.3	10.7	12.3	10.8	11.3	10.6	10.0	10.7	10.2	10.5	10.0	9.5	10.5	10.8	9.7	9.9	11.3	9.6	9.4
Lee	11.0	11.2	11.8	12.1	11.9	11.4	11.6	10.3	10.9	11.7	11.0	11.1	11.1	9.3	11.0	9.6	10.8	10.6	9.4	10.3	11.2
Linn	7.4	7.4	7.6	7.7	7.8	7.1	7.5	7.3	7.7	7.8	7.7	8.0	7.6	7.1	7.8	7.3	7.3	7.5	7.0	7.4	7.0
Louisa	8.5	9.2	10.3	11.6	12.5	9.9	8.6	10.4	8.9	11.7	9.2	10.2	8.6	8.7	9.1	10.2	9.8	9.1	9.1	9.0	10.8
Lucas	13.0	12.3	12.4	13.1	11.8	13.5	13.4	14.2	15.1	13.5	11.4	11.9	15.6	11.9	12.4	12.7	12.7	11.2	13.7	11.7	12.4
Lyon	9.9	10.4	11.2	10.3	11.4	9.7	11.5	9.6	10.7	8.0	9.8	11.3	9.8	9.5	9.4	8.3	8.2	10.4	10.5	9.2	8.7
Madison	12.6	10.1	11.8	11.1	11.1	12.8	11.9	12.5	11.6	12.7	11.5	12.7	12.5	11.7	13.0	10.3	11.2	10.0	9.9	10.5	12.0
Mahaska	9.3	10.7	10.3	11.0	10.3	10.2	10.4	11.6	11.3	11.0	10.7	12.1	12.2	11.8	11.3	10.9	10.8	10.2	10.7	10.7	12.3
Marion	10.0	10.6	10.5	10.3	10.1	10.8	10.1	11.0	10.5	10.8	9.3	10.1	9.7	10.4	9.9	9.3	10.0	8.6	9.4	9.5	9.7
Marshall	13.2	13.5	13.7	13.4	13.1	12.1	13.3	12.7	13.1	11.0	11.8	9.9	10.8	10.2	10.6	10.1	9.8	10.3	9.9	9.3	8.4
Mills	9.7	9.6	8.4	9.1	11.2	8.2	9.7	9.8	11.1	9.2	11.2	10.6	10.3	9.6	8.3	10.8	9.1	9.9	7.7	8.1	9.3
Mitchell	13.6	13.2	12.6	12.3	14.3	14.1	12.4	13.5	13.6	12.6	14.9	9.6	13.5	13.9	14.3	12.6	11.4	11.5	13.8	12.2	9.8

Table 2. Estimated Death Rates per 1,000 Population in Iowa's Counties, 1977-1997 (continued).

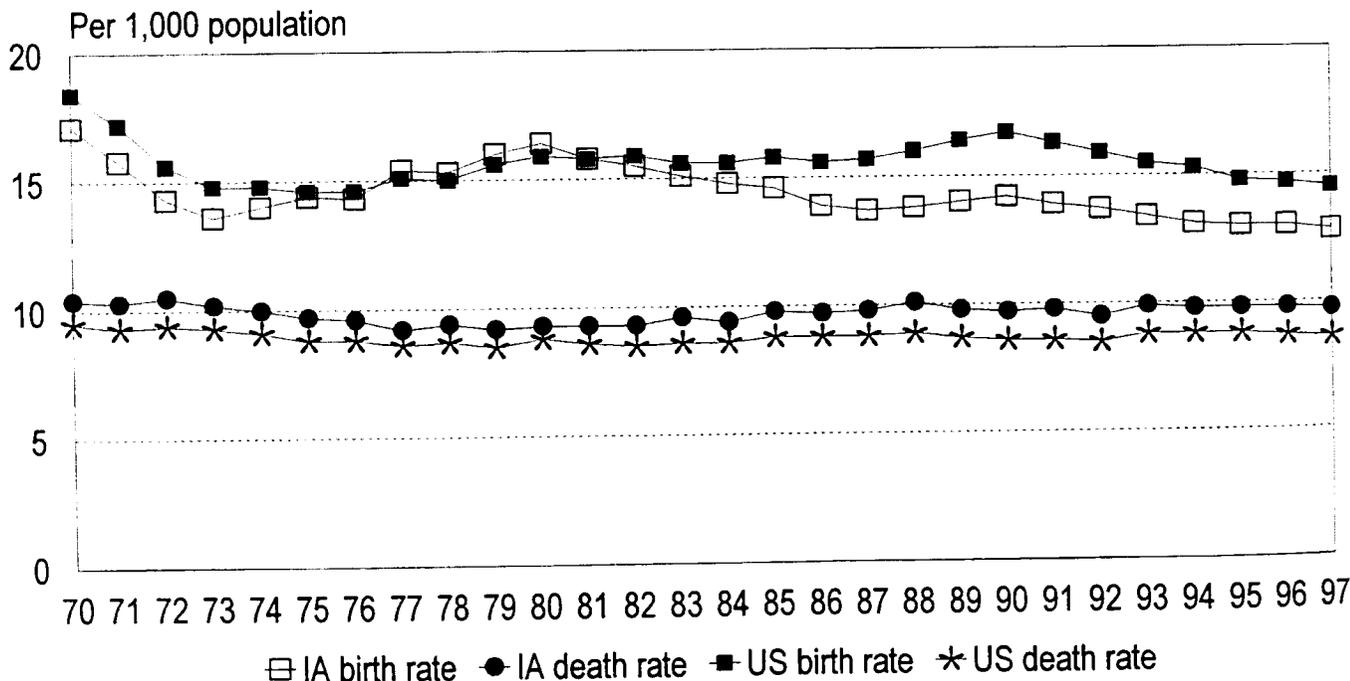
County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	15.5	16.1	15.7	16.0	15.8	16.2	14.8	15.5	14.1	14.9	13.9	14.2	16.3	15.3	14.6	13.9	12.1	12.2	12.3	14.3	12.0
Monroe	12.3	12.2	13.6	14.1	11.8	14.4	13.4	12.9	16.9	12.8	13.6	15.2	13.2	12.5	14.1	13.1	15.2	12.6	13.8	12.1	13.0
Montgomery	14.9	16.6	15.9	12.1	15.2	13.1	14.7	15.0	15.4	14.8	14.5	14.3	12.9	14.8	11.2	13.2	11.3	11.3	13.3	12.5	11.9
Muscatine	8.7	8.0	8.9	10.1	9.2	9.2	9.7	8.9	9.5	8.6	9.7	8.5	9.4	9.5	8.8	8.8	8.8	8.4	9.3	9.6	9.0
O'Brien	12.1	13.2	12.7	13.3	11.9	12.4	13.3	12.3	11.7	12.9	13.4	10.0	11.9	11.9	11.5	12.8	9.8	11.7	12.1	10.5	10.5
Osceola	11.3	12.9	13.2	12.6	10.0	10.7	12.1	9.1	10.7	11.0	13.7	12.9	12.4	10.9	12.2	10.0	11.6	12.5	10.5	11.5	10.8
Page	14.8	12.3	15.3	12.8	12.7	13.5	14.0	13.6	12.7	14.0	14.1	13.8	14.4	12.9	13.8	13.1	14.9	11.7	13.7	12.7	11.8
Palo Alto	13.9	14.5	12.9	13.6	14.7	11.8	13.6	13.1	12.9	13.5	13.2	12.3	12.5	11.1	12.0	11.8	11.6	11.6	11.6	10.4	10.8
Plymouth	10.1	9.8	10.1	8.8	9.4	10.3	9.6	10.0	9.4	9.1	10.3	8.9	10.4	10.2	10.3	10.0	8.3	9.9	9.3	8.8	9.2
Pocahontas	14.6	13.4	11.9	14.8	13.0	13.7	14.1	12.7	13.6	16.2	12.8	11.0	14.0	13.4	12.0	16.0	11.8	14.9	12.7	13.2	12.5
Polk	7.6	7.8	7.7	7.5	7.6	7.3	7.9	7.8	8.0	8.2	7.9	8.1	8.2	7.9	8.0	7.8	7.8	8.1	7.9	8.2	8.1
Pottawattamie	9.4	9.0	9.0	9.5	9.2	8.8	9.1	9.0	8.8	9.9	9.8	8.9	9.5	9.3	9.0	8.8	8.9	9.1	7.8	8.7	9.0
Poweshiek	10.7	11.2	10.5	10.6	9.8	10.8	9.0	10.3	10.2	10.9	10.0	10.6	10.3	11.1	9.2	10.1	9.7	9.9	9.4	10.8	10.2
Ringgold	17.1	13.8	13.3	16.5	15.5	14.3	13.7	15.5	11.9	13.1	14.4	14.4	15.2	11.7	12.2	12.1	14.6	13.7	13.8	16.8	13.7
Sac	14.3	13.9	13.5	13.8	14.6	12.7	11.8	14.4	14.3	13.3	13.4	13.5	13.5	12.7	13.2	13.7	12.3	10.4	11.6	11.1	11.1
Scott	8.1	7.5	8.3	8.1	8.4	7.9	7.6	7.3	8.1	8.1	8.1	8.1	7.6	7.8	7.8	6.8	7.5	7.3	7.5	7.4	7.3
Shelby	14.4	10.9	13.1	12.9	11.2	11.0	11.5	11.4	12.1	12.1	10.9	10.9	10.9	9.5	11.0	9.9	10.7	11.2	10.9	9.7	10.1
Sioux	8.7	7.6	7.3	7.8	7.8	7.2	7.2	7.6	8.0	8.5	8.0	7.9	9.1	7.7	7.4	7.7	7.5	7.7	7.2	7.9	7.7
Story	6.1	5.6	5.7	5.2	5.6	5.5	6.1	5.6	5.5	5.6	5.6	5.6	5.7	4.9	5.4	5.6	5.0	5.6	5.5	5.6	5.6
Tama	11.1	12.6	12.3	12.9	12.6	9.8	12.4	13.0	11.9	10.0	11.1	11.5	12.4	11.1	10.6	9.7	12.1	10.8	11.9	12.5	11.1
Taylor	15.1	14.8	12.2	13.9	13.4	13.3	16.3	14.8	18.5	13.5	16.1	16.1	12.5	13.1	15.3	15.3	15.3	13.6	15.2	18.5	14.3
Union	12.2	13.2	13.6	12.8	13.0	12.8	13.0	13.1	12.3	13.4	13.6	13.0	12.7	12.3	13.3	12.4	12.6	11.0	10.1	11.9	13.2
Van Buren	12.3	12.8	12.7	13.2	13.7	12.6	14.0	11.3	15.4	17.1	13.6	14.5	14.4	10.0	14.6	12.8	11.5	13.8	13.8	13.4	12.9
Wapello	12.6	12.6	12.7	11.9	12.8	11.7	13.7	13.3	12.9	13.4	12.2	13.6	11.6	13.2	12.5	11.2	11.9	12.4	11.4	12.9	11.7
Warren	7.5	8.6	6.8	8.2	7.5	6.3	7.7	7.9	7.6	8.2	6.9	7.0	7.0	7.5	6.6	6.4	6.2	6.5	6.2	7.2	6.7
Washington	11.1	12.0	10.4	12.1	11.6	10.2	12.2	11.0	11.1	10.8	11.2	10.6	11.9	11.4	11.4	9.3	10.1	10.3	11.3	10.3	9.4
Wayne	18.6	15.9	15.6	17.3	14.5	16.1	14.5	13.0	13.6	14.7	14.8	16.8	18.4	14.2	16.4	12.2	17.6	15.6	14.4	13.7	14.5
Webster	12.7	12.6	12.5	12.4	12.1	12.0	12.2	11.2	11.3	12.2	11.9	10.7	11.1	10.8	11.0	10.9	10.7	10.3	10.0	11.0	9.8
Winnebago	11.2	12.6	10.7	11.5	12.7	13.3	12.6	11.4	10.3	12.4	12.2	9.7	11.1	12.0	10.9	10.7	11.4	10.2	10.4	10.7	10.4
Winneshiek	8.5	8.7	9.0	8.5	8.3	7.6	8.4	10.5	8.7	9.4	8.7	10.5	10.7	9.5	10.3	8.2	8.6	8.2	7.7	9.7	9.0
Woodbury	9.4	9.1	10.0	9.7	9.7	9.7	9.2	9.6	9.8	10.4	9.7	9.6	9.6	9.5	9.7	10.1	9.6	9.8	9.0	9.4	8.8
Worth	12.6	12.3	15.3	13.0	12.1	11.9	12.2	14.4	10.6	14.7	12.5	12.7	12.4	11.7	12.2	11.2	11.5	10.2	10.2	12.9	9.9
Wright	15.4	13.4	12.3	13.9	14.8	12.1	12.4	12.5	11.5	13.1	12.5	12.5	12.9	12.0	11.2	12.4	13.0	12.7	11.1	12.3	11.2
State of Iowa	9.7	9.8	9.8	9.8	9.9	9.5	9.8	9.7	9.8	10.1	9.8	9.7	9.8	9.4	9.6	9.3	9.3	9.3	9.2	9.4	9.2

than in 1977; 20 counties had declines of at least 5 points, with those for Adair and Pocahontas exceeding 8 points.

For the most part, death rates changed far less than did birth rates. Forty-seven counties had higher death rates in 1997 than in 1987. But in only three counties were the rates at least 3 points higher at the end of the period than at the beginning. Among the 48 counties where the death rates were lower in 1997 than in 1987, only four dropped by at least 3 points. Relatively small changes also occurred when 1977 and 1997 were compared.

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 1977-1979, 1981-1989, and 1991-1997 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, 1997," MONTHLY VITAL STATISTICS REPORT, which is published by the National Center for Health Statistics (U.S. Department of Health and Human Services, 3700 East-West Highway, Hyattsville, MD 20782).

Figure 1. Iowa and U.S. birth and death rates, 1970-1997.



Births and Deaths in Selected Subdivisions in Iowa's Counties: 1992-1997

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Sandra Charvat Burke, Iowa State University
Michael Dare, Iowa Department of Public Health
Sharon Whetstone, Iowa State University

In addition to reporting births and deaths for counties, the Iowa Department of Public Health lists them for incorporated places within counties and for the area outside the boundaries of such places. This section includes information for the years 1992 through 1997. Births are counted by the place of residence of the mother, which may not necessarily be the place in which the birth occurs. Similarly, deaths are reported by the place of residence of the deceased individual, although the death may have happened elsewhere.

Births and deaths are provided for each county as a whole, incorporated places within the county, and what is called the balance of the county in Table 1. Incorporated places are those officially recognized as such by the State of Iowa. The balance of the county includes two groups of residents—those living on farms and those living in unincorporated areas but not on farms; data are available only for the balance as a whole, however.

In 1997, deaths exceeded births in 43 of Iowa's 99 counties. Within each county, natural decrease (more deaths than births) was far more likely to occur in incorporated places than in the balance of a county's population. For example, only five counties (Adams, Iowa, Jefferson, Montgomery, Wayne) had more deaths than births among the balance of the population, and these natural decreases never were as much as 10 that year. That's caused, at least in part, by a somewhat younger population living in areas defining the balance of the county, suggesting the possibility of more births. In addition, some farm residents or those living in unincorporated areas move to incorporated places late in life, which decreases potential deaths among residents living in the balance of the county.

Great variety occurs among incorporated places when births and deaths are compared. In some places, births outnumber deaths; in many others, there are more deaths than births. For some of these places, this is due in large part to the presence of facilities caring for older residents. It is evident that relatively great differences occur from one year to the next, especially in some of Iowa's smaller incorporated places.

Caution is urged in examining the figures for incorporated places. Several straddle the boundaries of two or more counties. When that occurs, the name of the place is followed by (part) in the table, which indicates that additional births and deaths for that place may be reported under one or more other counties.

Note: Comments on births and deaths across Iowa's 99 counties were included in the section of this volume entitled "Births, Deaths, and Natural Change in Iowa's Counties: 1977-1997". See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on births and deaths for counties and for relatively large incorporated places (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997.

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Adair County	68	61	80	93	74	105	117	135	111	127	122	107
Adair (part)	8	10	12	9	11	3	6	10	11	12	10	10
Bridgewater	4	0	1	3	1	2	4	4	8	6	6	2
Casey (part)	1	0	1	0	0	0	1	1	0	1	0	1
Fontanelle	5	7	5	6	9	8	17	25	18	22	21	12
Greenfield	24	18	19	21	13	32	38	50	32	38	36	39
Orient	4	4	3	10	2	8	8	3	2	4	8	7
Stuart (part)	0	2	1	4	3	6	22	20	17	18	17	15
Balance of Adair County	22	20	38	40	35	46	21	22	23	26	24	21
Adams County	33	48	36	64	51	41	56	55	75	66	61	56
Carbon	0	0	0	0	0	0	0	1	0	1	2	0
Corning	18	23	19	30	21	11	34	32	51	36	43	34
Lenox (part)	0	0	0	0	0	0	0	0	0	0	0	0
Nodaway	1	4	1	1	1	1	0	1	3	2	0	1
Prescott	3	1	0	7	5	0	3	3	3	5	3	0
Balance of Adams County	11	20	16	26	24	29	19	18	18	22	13	21
Allamakee County	165	173	157	158	176	199	155	165	167	167	171	179
Harpers Ferry	4	5	8	7	10	6	1	3	5	3	1	4
Lansing	13	22	25	17	16	26	31	25	21	22	29	27
New Albin	11	9	13	9	11	14	6	7	8	6	9	5
Postville (part)	28	28	12	18	24	16	22	27	25	27	32	26
Waterville	0	4	3	5	3	7	4	2	4	1	4	0
Waukon	46	54	55	57	62	62	65	75	71	71	67	74
Balance of Allamakee County	63	51	41	45	50	68	26	26	33	37	29	43
Appanoose County	141	168	147	152	164	174	186	194	190	189	200	173
Centerville	68	84	73	72	78	87	97	106	103	102	112	83
Cincinnati	3	7	6	3	5	10	5	5	4	4	4	3
Exline	2	0	1	1	3	2	2	3	1	1	1	2
Moravia	7	9	5	6	4	5	13	6	9	8	10	5
Moulton	7	6	11	9	7	6	10	11	15	15	12	9
Mystic	6	6	2	8	12	8	6	5	8	8	4	5
Numa	1	0	1	2	2	0	0	1	4	0	2	2
Plano	0	1	0	0	1	1	2	2	0	1	1	0
Rathbun	0	0	0	0	0	0	0	1	1	2	0	1
Udell	0	0	0	2	1	0	1	0	0	0	0	0
Unionville	0	1	1	1	0	3	3	0	2	0	1	1
Balance of Appanoose County	47	54	47	48	51	52	47	54	43	48	53	62
Audubon County	82	63	75	88	72	70	64	100	98	109	107	118
Audubon	33	19	24	24	34	22	25	56	50	61	61	52
Brayton	1	1	2	2	0	2	3	0	2	2	3	4
Exira	5	9	7	11	8	3	20	27	28	27	15	37
Gray	1	1	2	1	0	1	1	0	0	1	2	1
Kimballton	2	4	1	5	4	3	2	6	6	5	9	7
Balance of Audubon County	40	29	39	45	26	39	13	11	12	13	17	17
Benton County	281	264	298	292	308	304	229	207	210	201	207	207
Atkins	14	17	12	15	16	9	4	3	2	3	1	6
Belle Plaine	30	31	31	36	32	40	47	48	43	35	39	37
Blairstown	4	6	11	14	15	7	12	2	7	8	7	8
Garrison	5	4	8	4	5	7	3	2	3	1	5	3
Keystone	3	2	6	7	5	3	16	23	17	21	13	20
Luzerne	0	2	2	5	1	1	0	0	1	0	1	1
Mount Auburn	2	3	1	2	0	4	3	5	5	3	1	1
Newhall	14	7	15	8	13	11	10	9	7	4	6	9
Norway	5	9	15	12	8	10	6	3	2	5	4	4
Shellsburg	15	15	13	14	15	16	5	8	7	4	7	7
Urbana	15	13	8	8	9	11	7	4	2	2	4	3
Van Horne	5	6	8	9	9	7	6	2	4	2	7	7
Vinton	70	54	75	59	71	64	72	72	76	70	69	71
Walford (part)	18	11	8	11	11	5	1	1	2	2	4	0
Balance of Benton County	81	84	85	88	98	109	37	25	32	41	39	30

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Black Hawk County	1586	1601	1509	1605	1774	1651	1157	1143	1113	1239	1194	1130
Cedar Falls	333	290	309	300	353	340	295	292	264	303	280	269
Dunkerton	13	15	10	17	9	14	6	5	7	5	6	8
Elk Run Heights	9	11	11	9	12	13	7	5	12	6	4	4
Evansdale	45	77	58	66	63	51	40	36	43	31	36	40
Gilbertville	10	11	5	11	9	9	3	7	11	0	7	4
Hudson	20	27	17	23	20	22	16	14	8	16	10	9
Janesville (part)	1	0	3	3	6	0	2	0	0	2	1	0
La Porte City	31	35	27	35	29	24	29	37	32	29	26	31
Raymond	3	5	4	4	7	6	0	1	1	2	1	5
Waterloo	1041	1030	978	1031	1126	1046	710	675	683	798	771	719
Balance of Black Hawk County	80	100	87	106	140	126	49	71	52	47	52	41
Boone County	289	299	309	313	274	289	300	301	307	304	307	266
Beaver	0	0	2	1	0	0	1	1	0	1	0	1
Berkley	0	0	0	0	0	0	0	0	0	0	0	0
Boone	174	166	171	168	141	144	169	178	185	164	177	159
Boxholm	0	0	0	1	1	0	3	1	2	2	4	2
Fraser	0	0	0	0	0	0	0	0	0	0	0	0
Luther	0	3	3	4	1	2	0	0	0	0	3	0
Madrid	35	30	29	37	31	39	59	57	46	57	51	47
Ogden	22	22	24	26	26	21	28	28	27	42	39	30
Pilot Mound	0	3	2	1	1	1	2	7	3	5	1	0
Sheldahl (part)	0	0	0	1	0	0	0	0	0	0	1	0
Balance of Boone County	58	75	78	74	73	82	38	29	44	33	31	27
Bremer County	219	234	249	243	272	259	204	211	235	235	266	216
Denver	12	16	19	16	19	16	16	27	28	20	19	20
Frederika	3	0	3	2	1	3	2	1	1	3	2	0
Janesville (part)	10	7	8	10	9	6	5	7	4	7	8	3
Plainfield	2	5	3	9	5	3	5	6	5	7	4	6
Readlyn	7	8	9	17	12	9	3	6	10	6	9	6
Sumner	28	16	23	17	24	26	29	28	40	50	45	47
Tripoli	14	9	15	15	17	19	22	15	16	19	13	19
Waverly	75	96	96	77	98	92	89	82	97	89	116	78
Balance of Bremer County	68	77	73	80	87	85	33	39	34	34	50	37
Buchanan County	284	286	283	314	277	327	221	197	230	204	231	202
Aurora	2	2	2	2	1	1	3	2	6	6	5	3
Brandon	4	5	6	7	3	7	2	3	5	3	1	5
Fairbank (part)	11	12	15	9	10	18	3	9	9	6	6	8
Hazleton	15	11	12	19	13	18	9	12	9	5	10	15
Independence	67	73	81	86	77	90	93	81	88	81	100	67
Jesup	42	25	25	32	22	29	25	20	21	26	23	19
Lamont	8	7	5	9	3	6	7	8	13	11	14	8
Quasqueton	8	10	11	9	5	9	1	9	9	11	6	3
Rowley	1	3	1	4	3	6	3	5	3	4	1	3
Stanley (part)	2	2	3	1	0	2	1	0	2	0	3	0
Winthrop	11	8	10	11	12	8	17	8	11	10	11	13
Balance of Buchanan County	113	128	112	125	128	133	57	40	54	41	51	58
Buena Vista County	259	228	219	243	238	274	212	215	210	215	217	196
Albert City	9	7	7	12	8	12	13	9	14	8	13	12
Alta	26	17	18	23	22	29	13	13	13	13	14	17
Lakeside	1	5	4	6	6	7	3	1	2	5	2	4
Linn Grove	2	2	1	0	1	2	3	2	1	2	4	2
Marathon	1	1	4	1	3	3	8	10	2	7	7	2
Newell	14	5	9	9	10	14	16	19	17	18	9	11
Rembrandt	3	4	1	2	2	5	3	2	4	8	5	1
Sioux Rapids	11	10	7	10	7	7	12	21	21	15	25	20
Storm Lake	151	137	123	126	119	127	110	110	109	105	107	91
Truesdale	0	0	1	2	1	0	1	1	1	1	2	1
Balance of Buena Vista County	41	40	44	52	59	68	30	27	26	33	29	35
Butler County	160	148	166	163	169	159	192	177	201	202	195	202
Allison	11	7	10	7	7	10	14	24	24	24	23	21
Aplington	10	12	13	7	14	13	26	25	19	25	23	22
Aredale	2	1	0	0	3	0	1	1	4	2	2	1
Bristow	5	3	3	4	5	3	4	3	3	1	2	3

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Butler County (continued)												
Clarksville	24	15	15	19	24	13	25	21	21	27	29	20
Dumont	7	8	6	9	7	9	19	12	12	11	18	19
Greene	11	13	12	6	9	9	24	16	29	19	21	20
New Hartford	5	6	10	14	12	8	5	6	3	5	6	7
Parkersburg	20	19	21	16	21	18	18	19	20	30	21	16
Shell Rock	13	9	12	14	13	10	25	17	29	19	18	24
Balance of Butler County	52	55	64	67	54	66	31	33	37	39	32	49
Calhoun County	97	115	114	106	90	120	178	153	181	141	169	185
Farnhamville (part)	4	7	2	3	5	2	2	8	3	3	2	5
Jolley	0	0	0	1	1	0	1	0	0	2	1	1
Knierim	0	1	0	0	3	1	1	0	0	0	0	1
Lake City	11	15	17	10	17	21	63	42	53	34	48	54
Lohrville	5	5	4	8	1	5	10	6	10	6	10	11
Lytton (part)	0	0	1	0	0	0	2	2	0	1	2	1
Manson	19	23	22	16	11	11	29	31	34	32	33	31
Pomeroy	11	4	8	5	4	5	18	20	13	15	20	18
Rinard	2	1	0	2	1	0	3	0	1	0	2	0
Rockwell City	16	16	20	26	13	17	32	30	37	28	30	31
Somers	3	4	4	1	4	3	1	1	1	0	2	1
Yetter	0	1	1	0	1	1	1	0	0	0	0	0
Balance of Calhoun County	26	38	35	34	29	54	15	13	29	20	19	31
Carroll County	238	260	283	269	258	271	242	243	219	229	229	233
Arcadia	3	11	7	4	4	7	8	5	3	3	7	3
Breda	2	4	6	9	3	8	7	6	11	9	1	7
Carroll	109	118	129	140	125	126	131	118	110	119	109	128
Coon Rapids	12	17	14	10	8	13	23	27	17	20	25	27
Dedham	8	4	2	3	1	2	1	6	5	3	2	1
Glidden	10	14	9	7	14	6	9	11	9	7	13	14
Halbur	6	4	3	4	5	4	2	1	3	0	1	3
Lanesboro	1	3	4	2	2	0	3	0	3	2	1	0
Lidderdale	6	2	2	3	1	4	1	0	2	1	2	2
Manning	11	18	16	13	14	13	30	34	24	29	23	25
Ralston (part)	1	1	1	1	3	1	0	0	2	0	0	1
Templeton	4	2	2	6	5	2	3	4	2	1	2	3
Wiley	0	0	0	0	0	0	0	0	0	0	0	0
Balance of Carroll County	65	62	88	67	73	85	24	31	28	35	43	19
Cass County	160	152	152	150	178	169	197	202	213	175	180	184
Anita	5	7	12	5	9	8	19	25	17	34	22	15
Atlantic	81	78	90	85	89	78	108	107	116	83	86	102
Cumberland	4	2	2	2	1	3	4	6	3	3	2	5
Griswold	12	8	10	9	13	11	25	18	27	24	29	22
Lewis	3	2	2	3	4	4	7	2	4	4	1	4
Marne	2	2	1	4	3	5	0	0	4	2	1	1
Massena	3	5	3	4	4	3	6	6	7	4	5	5
Wiota	2	0	2	1	3	0	0	3	1	3	1	1
Balance of Cass County	48	48	30	37	52	57	28	35	34	18	33	29
Cedar County	198	195	204	193	203	197	199	172	177	175	157	155
Bennett	7	4	2	10	10	8	5	3	0	4	4	2
Clarence	8	12	12	14	11	12	23	15	28	18	20	16
Durant (part)	8	15	21	15	13	13	7	12	16	16	13	8
Lowden	6	9	7	7	9	12	9	12	7	8	7	11
Mechanicsville	13	13	17	13	9	16	26	23	19	21	18	21
Stanwood	5	8	7	14	8	11	11	5	3	6	5	3
Tipton	43	38	43	36	35	26	41	41	34	44	32	36
West Branch	31	30	27	15	18	21	35	24	29	27	18	23
Wilton (part)	0	0	1	1	1	1	0	0	0	0	0	0
Balance of Cedar County	77	66	67	68	89	77	42	37	41	31	40	35
Cerro Gordo County	525	600	591	587	592	600	492	527	539	489	504	490
Clear Lake	103	114	131	109	100	113	82	83	97	89	89	91
Dougherty	0	1	0	0	3	1	3	3	1	1	3	2
Mason City	339	419	376	384	376	398	333	354	356	336	336	338
Meservey	1	3	1	1	3	0	1	8	7	4	9	7
Plymouth	5	5	1	3	8	2	2	4	11	2	4	5

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Cerro Gordo County (continued)												
Rock Falls	1	1	0	0	0	0	0	0	0	0	0	0
Rockwell	16	7	18	16	13	10	16	20	17	18	22	11
Swaledale	5	1	1	1	4	5	1	5	1	1	0	2
Thornton	4	5	3	10	6	7	16	8	6	6	2	3
Ventura	6	7	8	6	5	4	6	8	8	6	11	6
Balance of Cerro Gordo County	45	37	52	57	74	60	32	34	35	26	28	25
Cherokee County												
Aurelia	12	13	6	14	6	6	22	28	16	21	25	16
Cherokee	56	43	52	62	66	73	95	95	77	88	85	105
Cleghorn	5	1	2	3	2	1	4	0	0	0	2	1
Larrabee	1	1	2	1	1	0	2	3	2	1	1	2
Marcus	7	11	11	18	17	12	19	27	11	13	14	11
Meriden	1	3	2	2	0	1	3	0	0	2	1	0
Quimby	6	3	6	10	6	9	2	7	4	2	5	3
Washta	4	5	4	1	5	5	1	3	3	4	0	2
Balance of Cherokee County	50	35	49	46	38	51	16	29	28	27	25	23
Chickasaw County												
Alta Vista	2	2	4	6	5	5	1	9	3	8	7	3
Bassett	1	1	0	0	3	0	1	0	0	1	0	0
Fredericksburg	11	5	10	15	5	12	13	18	19	17	16	10
Ionia	2	3	4	5	6	4	2	2	6	2	4	5
Lawler	5	2	5	6	3	5	3	6	13	8	4	4
Nashua	23	18	16	20	25	23	17	15	17	22	16	13
New Hampton	56	40	42	50	49	45	62	53	66	67	74	50
North Washington	0	0	1	0	0	0	0	2	1	1	2	0
Balance of Chickasaw County	57	52	70	67	83	72	36	32	36	42	33	39
Clarke County												
Murray	8	9	7	4	10	11	2	11	8	8	7	7
Osceola	54	51	60	45	41	50	62	67	75	59	76	70
Woodburn	1	5	0	3	3	2	1	4	5	5	1	0
Balance of Clarke County	20	22	35	30	27	42	15	20	18	19	22	26
Clay County												
Dickens	4	4	4	3	4	4	0	1	3	0	1	1
Everly	5	10	3	6	8	6	5	9	3	8	4	10
Fostoria	3	0	3	4	2	4	5	1	4	2	2	1
Gillett Grove	0	0	0	0	0	0	0	0	0	0	0	0
Greenville	1	2	0	1	0	2	2	2	1	0	1	1
Peterson	2	4	2	4	3	3	9	6	7	9	7	5
Rossie	0	1	1	0	2	0	0	3	0	0	1	0
Royal	6	2	7	10	2	9	9	4	7	4	4	7
Spencer	133	133	149	145	134	148	121	124	146	116	135	114
Webb	3	2	1	2	2	1	3	2	3	2	2	2
Balance of Clay County	40	30	36	44	33	58	14	13	39	24	25	31
Clayton County												
Clayton	0	0	0	0	0	0	2	0	1	0	1	2
Edgewood (part)	5	5	7	5	3	4	5	3	4	2	5	5
Elkader	11	13	10	10	15	25	21	30	38	29	30	28
Elkport	1	1	4	0	0	1	0	0	0	0	0	0
Farmersburg	6	7	4	4	1	3	3	5	2	5	4	1
Garber	2	2	4	0	0	0	0	0	0	0	0	2
Garnavillo	8	10	6	10	10	4	13	11	11	12	13	14
Guttenberg	19	22	28	22	28	22	31	49	36	52	46	53
Littleport	0	0	0	0	0	1	0	0	0	0	1	3
Luana	3	2	5	4	3	8	3	1	2	1	3	5
Marquette	5	6	7	2	7	9	2	1	6	4	7	5
McGregor	12	12	14	16	21	18	7	12	18	12	15	11
Millville	0	0	0	0	0	0	0	0	0	0	0	0
Monona	20	19	16	19	24	18	26	23	24	16	18	18
North Buena Vista	2	1	1	2	1	0	2	0	0	0	2	0
Osterdock	0	0	0	0	0	0	0	0	0	0	0	0
Postville (part)	0	0	0	0	0	0	0	0	0	0	0	0
St. Olaf	3	1	2	2	0	0	1	3	4	2	0	1
Strawberry Point	11	16	15	12	17	9	30	30	30	27	22	30
Volga	4	2	7	3	2	4	1	0	4	1	4	3
Balance of Clayton County	83	57	76	96	110	102	40	52	46	56	43	39

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Decatur County (continued)												
Pleasanton	0	0	0	0	0	0	0	0	1	0	1	1
Van Wert	9	2	5	5	6	2	3	3	3	1	2	2
Weldon	4	3	4	2	5	3	2	0	2	1	3	2
Balance of Decatur County	27	42	34	37	34	29	24	24	19	24	18	27
Delaware County												
Delaware County	208	233	213	268	262	261	152	158	171	149	173	181
Colesburg	4	4	5	5	3	6	3	2	3	11	5	1
Delaware	1	4	2	6	7	1	5	4	5	7	6	0
Delhi	3	3	5	0	0	4	0	0	0	2	0	5
Dundee	3	2	1	2	1	3	1	2	2	3	0	1
Dyersville (part)	0	1	1	0	2	1	0	0	0	0	0	0
Earlville	9	12	8	10	12	8	3	7	8	6	1	9
Edgewood (part)	9	9	12	7	4	6	15	19	18	7	22	15
Greeley	4	5	3	3	4	4	4	3	4	6	3	2
Hopkinton	5	8	12	8	9	9	14	14	7	7	9	10
Manchester	58	57	61	81	74	72	68	67	80	63	86	90
Masonville	4	1	1	0	1	0	1	2	1	0	2	3
Oneida	0	0	0	0	0	0	0	0	0	0	1	0
Ryan	8	12	6	7	6	6	1	0	3	3	3	3
Balance of Delaware County	100	115	96	139	139	141	37	38	40	34	35	42
Des Moines County												
Des Moines County	549	565	523	524	558	568	445	454	468	412	428	399
Burlington	391	403	361	362	400	376	321	321	338	311	319	279
Danville	11	20	14	14	2	11	11	19	12	14	16	13
Mediapolis	20	16	18	19	21	26	25	28	33	23	21	20
Middletown	6	8	11	8	10	9	1	1	3	4	2	0
West Burlington	39	40	33	27	33	43	35	35	34	26	23	22
Balance of Des Moines County	82	78	86	94	92	103	52	50	48	34	47	65
Dickinson County												
Dickinson County	169	148	137	148	127	152	173	181	179	184	172	149
Arnolds Park	15	8	12	8	7	14	13	15	13	8	11	4
Lake Park	15	11	12	15	8	13	20	27	21	16	15	19
Milford	32	34	26	25	29	29	33	34	38	31	32	22
Okoboji	9	6	7	5	4	7	8	10	8	5	8	10
Orleans	0	0	0	0	1	0	1	4	0	0	0	0
Spirit Lake	52	44	47	49	41	48	58	59	65	62	57	53
Superior	3	2	4	2	2	2	3	4	0	4	3	3
Terril	5	5	3	2	1	2	0	4	3	1	4	5
Wahpeton	0	0	1	2	3	0	2	0	0	2	0	0
West Okoboji	0	0	0	0	0	0	1	0	0	1	0	0
Balance of Dickinson County	38	38	25	40	31	37	34	24	31	54	42	33
Dubuque County												
Dubuque County	1143	1197	1188	1176	1252	1168	791	820	846	871	854	810
Asbury	0	0	1	0	4	3	0	2	5	4	4	3
Balltown	0	0	0	0	0	0	0	0	0	2	0	0
Bankston	0	0	0	0	0	0	0	0	0	0	0	0
Bernard	1	5	4	1	2	1	3	0	3	1	0	1
Cascade (part)	16	28	32	24	28	17	18	22	26	26	20	17
Centralia	0	0	0	1	0	1	0	0	1	0	0	1
Dubuque	780	803	776	797	867	809	635	642	661	663	677	643
Durango	3	2	1	2	0	1	1	0	0	1	0	1
Dyersville (part)	55	59	63	54	56	60	32	44	44	46	39	39
Epworth	18	15	17	21	22	22	8	3	6	9	4	6
Farley	24	20	19	23	19	17	13	13	9	10	7	10
Graf	0	0	1	0	0	0	0	0	0	0	0	0
Holy Cross	5	9	14	5	6	2	4	2	1	4	2	3
Luxemburg	4	1	2	3	2	4	1	0	1	3	5	1
New Vienna	4	4	7	2	6	3	3	3	5	8	4	4
Peosta	11	10	10	9	6	7	2	0	2	2	1	0
Rickardsville	1	0	1	2	0	1	0	1	0	1	0	1
Sageville	0	0	0	0	0	0	0	0	0	0	0	0
Sherrill	4	3	6	8	2	3	5	1	1	1	1	2
Worthington	3	6	6	3	3	7	2	1	4	5	10	3
Zwingle (part)	1	0	0	0	1	0	0	0	2	2	0	0
Balance of Dubuque County	213	232	228	221	228	210	64	86	75	83	80	75

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Greene County (continued)												
Ripley	6	5	5	2	3	4	4	6	1	1	1	5
Scranton	7	7	6	5	6	7	8	15	12	6	7	10
Balance of Greene County	34	36	36	30	39	41	14	15	17	15	18	18
Grundy County												
Beaman	1	2	1	2	2	0	3	3	1	1	0	2
Conrad	13	13	8	14	12	17	19	12	16	18	17	18
Dike	9	14	10	13	11	8	6	10	8	7	9	5
Grundy Center	25	29	14	23	23	17	43	55	36	33	42	25
Holland	3	5	6	3	7	4	0	0	4	3	7	0
Morrison	0	1	0	1	2	1	0	0	0	3	1	1
Reinbeck	19	17	12	10	18	21	33	27	21	21	19	16
Stout	3	2	1	2	2	1	0	1	2	0	2	0
Wellsburg	6	8	3	3	7	3	14	11	14	9	10	7
Balance of Grundy County	49	33	43	40	57	41	17	22	32	27	20	15
Guthrie County												
Adair (part)	0	1	0	0	0	0	7	11	9	9	10	6
Bagley	5	3	5	4	0	11	5	3	5	3	8	2
Bayard	6	3	6	7	11	8	14	18	12	10	18	13
Casey (part)	6	6	3	6	4	8	2	5	10	5	12	4
Coon Rapids (part)	0	0	0	0	0	0	0	0	0	0	0	0
Guthrie Center	20	26	13	25	14	23	27	30	39	33	25	35
Jamaica	4	3	4	2	4	5	5	2	2	4	3	1
Menlo	4	3	8	1	1	6	1	4	6	5	6	2
Panora	18	16	15	18	9	17	26	30	23	35	24	29
Stuart (part)	21	11	21	13	17	14	7	5	8	6	8	12
Yale	4	1	3	9	3	2	5	1	7	4	4	2
Balance of Guthrie County	39	57	43	41	42	61	19	37	26	25	27	30
Hamilton County												
Blairsburg	2	5	4	5	3	4	3	2	5	2	1	3
Ellsworth	11	6	5	6	4	6	3	2	4	5	3	9
Jewell Junction	15	13	13	17	16	13	5	12	11	11	9	12
Kamrar	3	1	3	2	3	2	2	4	2	4	2	1
Randall	3	5	3	2	2	2	2	1	2	1	3	1
Stanhope	3	2	5	4	4	5	4	6	5	3	2	4
Stratford (part)	10	7	9	11	4	8	20	25	17	13	25	14
Webster City	112	93	99	101	100	101	122	111	107	91	99	111
Williams	4	13	3	5	6	4	3	5	4	5	8	3
Balance of Hamilton County	47	37	49	50	51	61	29	15	29	19	19	25
Hancock County												
Britt	26	14	16	21	30	19	31	40	36	31	40	34
Corwith	5	5	4	1	5	2	4	5	2	5	4	6
Crystal Lake	3	4	4	3	3	7	2	6	2	6	4	9
Forest City (part)	3	1	1	2	0	0	1	2	0	1	0	1
Garner	35	40	36	26	25	31	33	30	40	36	36	29
Goodell	2	0	0	0	0	3	1	0	2	1	0	1
Kanawha	10	9	8	8	5	7	15	21	28	18	20	17
Klemme	7	7	6	7	6	12	5	5	12	3	8	9
Woden	0	4	2	2	2	1	4	0	1	7	5	5
Balance of Hancock County	36	37	45	55	49	60	32	21	30	16	18	21
Hardin County												
Ackley (part)	18	16	16	24	16	15	44	25	36	38	30	47
Alden	12	9	19	12	13	19	3	4	10	7	6	12
Buckeye	4	0	0	0	0	1	2	2	1	1	1	0
Eldora	28	29	35	35	35	28	50	60	38	61	56	55
Hubbard	8	7	11	14	6	7	9	5	7	5	12	6
Iowa Falls	55	67	78	53	59	47	82	95	83	78	81	95
New Providence	3	4	3	6	1	3	4	0	2	3	4	3
Owasa	0	0	0	0	0	0	0	1	0	0	0	0
Radcliffe	6	11	5	5	5	3	9	5	4	5	12	3
Steamboat Rock	4	4	6	5	2	2	4	6	7	5	2	4
Union	5	6	3	9	9	3	3	3	7	4	6	9
Whitten	2	2	4	1	1	2	0	1	1	1	4	2
Balance of Hardin County	44	61	64	54	57	62	37	34	29	36	29	31

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Harrison County	179	173	174	175	179	200	173	227	189	180	230	200
Dunlap	14	6	6	13	13	11	20	35	24	20	27	27
Little Sioux	4	3	3	3	4	3	2	3	6	6	1	2
Logan	16	22	16	12	18	15	29	34	39	27	38	33
Magnolia	0	3	2	0	2	2	1	1	2	1	2	1
Missouri Valley	48	40	42	36	40	50	47	51	39	44	70	45
Modale	3	6	2	6	2	5	1	7	4	3	4	2
Mondamin	10	5	4	5	2	4	7	3	2	5	3	4
Persia	2	8	5	4	4	1	3	6	0	1	3	5
Pisgah	3	2	4	5	5	5	5	4	6	4	6	6
Woodbine	20	17	17	18	19	23	16	37	29	28	33	45
Balance of Harrison County	59	61	73	73	70	81	42	46	38	41	43	30
Henry County	241	203	276	239	252	256	196	188	200	197	233	200
Coppock (part)	0	0	0	0	0	0	0	0	0	0	0	0
Hillsboro	3	7	3	4	1	2	0	3	2	1	3	0
Mount Pleasant	98	98	114	125	103	112	92	86	90	92	101	96
Mount Union	0	6	2	4	7	2	2	0	1	2	1	1
New London	35	19	33	25	38	24	28	24	29	23	33	26
Olds	1	5	2	4	3	6	3	3	2	2	1	1
Rome	1	1	1	0	1	0	0	1	1	0	0	1
Salem	5	5	7	2	11	7	7	6	4	8	7	3
Wayland	8	7	10	8	10	8	17	18	12	18	16	12
Westwood	0	0	0	0	0	0	0	0	0	0	0	0
Winfield	21	5	20	8	14	17	10	15	23	22	26	25
Balance of Henry County	69	50	84	59	64	78	37	32	36	29	45	35
Howard County	124	92	118	96	112	126	139	123	133	132	125	122
Chester	1	2	0	1	0	0	0	4	3	3	0	1
Cresco	57	42	46	42	56	45	72	62	60	71	55	67
Elma	8	5	7	2	7	10	8	11	20	15	17	9
Lime Springs	4	3	9	3	4	8	11	8	8	12	4	6
Protivin	1	1	2	2	3	4	8	9	6	8	8	7
Riceville (part)	0	2	4	3	6	4	9	3	5	1	1	6
Balance of Howard County	53	37	50	43	36	55	31	26	31	22	40	26
Humboldt County	128	111	107	118	110	100	116	130	130	115	141	140
Bode	8	4	2	8	2	6	6	5	6	5	7	5
Bradgate	1	0	1	1	0	1	3	0	1	0	1	3
Dakota City	13	12	3	10	13	8	7	10	10	9	4	7
Gilmore City (part)	5	7	2	2	6	3	5	6	1	4	2	1
Hardy	0	2	0	0	1	0	1	1	1	1	2	0
Humboldt	48	45	51	50	40	33	62	82	79	69	96	75
Livermore	4	4	2	7	4	2	5	6	7	9	5	11
Lu Verne (part)	0	0	0	0	0	0	0	0	1	1	1	0
Ottosen	1	0	1	0	1	0	1	0	1	2	1	0
Pioneer	1	0	1	1	0	0	1	1	0	0	0	0
Renwick	2	2	1	4	8	4	5	4	6	3	5	4
Rutland	2	0	2	0	0	0	2	0	1	1	3	0
Thor	2	1	4	2	3	3	2	2	1	2	0	5
Balance of Humboldt County	41	34	37	33	32	40	16	13	15	9	14	29
Ida County	99	99	73	86	93	94	85	101	125	109	117	104
Arthur	4	1	1	4	4	4	5	5	5	3	6	6
Battle Creek	3	7	9	4	11	9	12	19	8	16	18	18
Galva	7	1	3	2	3	3	5	6	8	3	6	7
Holstein	19	23	12	12	13	14	16	23	40	28	25	17
Ida Grove	34	31	26	32	24	28	32	39	49	43	45	40
Balance of Ida County	32	36	22	32	38	36	15	9	15	16	17	16
Iowa County	156	227	192	212	213	196	156	183	176	164	172	163
Ladora	1	6	5	5	7	4	0	4	5	5	3	2
Marengo	27	46	36	35	28	34	36	47	44	38	39	35
Millersburg	1	2	5	1	5	1	0	4	2	4	1	1
North English (part)	11	19	12	15	12	9	19	26	18	16	23	33
Parnell	6	2	0	3	6	6	4	3	1	1	2	1
Victor (part)	16	12	11	9	7	5	5	12	6	8	9	9
Williamsburg	31	42	29	39	31	28	25	27	24	25	35	32
Balance of Iowa County	63	98	94	105	117	109	67	60	76	67	60	50

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Jackson County	242	236	261	241	258	258	232	256	221	221	228	202
Andrew	2	4	3	3	4	3	3	3	3	7	0	2
Baldwin	2	2	3	1	1	2	2	2	3	1	0	2
Bellevue	33	34	26	25	28	39	32	44	29	34	42	23
La Motte	1	6	6	0	4	3	2	2	2	1	0	0
Maquoketa	71	66	88	88	81	83	117	98	103	102	118	92
Miles	3	12	7	5	10	5	3	5	10	4	4	7
Monmouth	1	1	2	2	5	2	1	0	5	3	3	1
Preston	17	17	9	11	15	8	11	17	14	11	14	14
Sabula	5	7	13	10	6	10	9	12	13	9	10	8
St. Donatus	4	2	2	4	1	1	0	3	0	0	0	0
Spragueville	2	0	2	0	0	0	0	0	0	0	0	3
Springbrook	3	1	7	3	8	2	4	3	0	2	2	5
Zwingle (part)	1	0	1	0	0	1	0	0	0	0	0	0
Balance of Jackson County	97	84	92	89	95	99	48	67	39	47	35	45
Jasper County	436	426	416	439	423	455	340	344	361	381	365	356
Baxter	11	8	10	12	15	23	26	12	24	22	17	18
Colfax	30	30	37	35	32	31	22	20	22	26	24	24
Kellogg	9	6	9	9	5	8	5	7	10	8	6	7
Lambs Grove	0	0	0	1	2	0	0	0	0	1	1	0
Lynnville	1	6	5	5	4	3	3	4	3	3	1	6
Mingo	6	7	7	4	2	3	2	3	5	1	1	2
Monroe	26	21	24	15	29	18	15	12	12	19	17	17
Newton	217	217	189	207	193	197	174	189	180	202	186	183
Oakland Acres	0	0	0	0	0	0	0	0	0	0	0	0
Prairie City	17	15	21	13	18	15	19	26	28	32	28	28
Reasnor	2	2	2	3	4	3	2	2	6	2	2	0
Sully	9	11	4	9	9	10	7	7	8	8	4	6
Valeria	0	1	0	0	0	0	0	0	0	0	0	0
Balance of Jasper County	108	102	108	126	110	144	65	62	63	57	78	65
Jefferson County	161	171	153	172	177	185	157	159	142	137	166	160
Batavia	6	7	8	3	7	16	4	6	0	1	7	3
Coppock (part)	0	0	0	0	0	0	0	0	0	0	0	0
Fairfield	98	96	83	101	96	83	90	83	82	75	93	96
Libertyville	5	3	4	5	3	7	4	8	2	3	4	3
Lockridge	6	8	2	5	4	2	3	2	3	1	1	0
Packwood	1	1	2	4	6	3	5	3	1	3	1	1
Pleasant Plain	0	0	0	0	0	0	0	0	0	0	0	2
Balance of Jefferson County	45	56	54	54	61	74	51	57	54	54	60	55
Johnson County	1274	1272	1258	1288	1337	1359	476	492	480	475	455	436
Coralville	223	245	254	225	233	242	53	59	59	53	53	42
Hills	9	13	13	13	7	9	7	6	10	11	9	10
Iowa City	654	627	626	681	713	717	270	280	277	248	252	249
Lone Tree	18	22	22	18	12	13	20	23	12	20	20	11
North Liberty	106	107	77	65	67	62	12	11	13	10	12	12
Oxford	20	15	11	8	13	14	3	5	3	10	5	6
Shueyville	0	0	0	0	0	0	0	0	0	0	0	0
Solon	17	25	22	27	18	20	27	30	18	26	27	37
Swisher	23	14	18	9	11	10	3	4	5	7	4	4
Tiffin	7	6	5	5	2	6	3	2	1	4	1	0
University Heights	0	0	0	1	0	0	0	1	0	0	0	0
Balance of Johnson County	197	198	210	236	261	266	78	71	82	86	72	65
Jones County	213	224	196	253	235	243	163	184	168	170	177	167
Anamosa	59	51	55	60	66	60	44	44	46	48	43	41
Cascade (part)	0	2	1	3	1	1	0	2	0	5	0	1
Center Junction	3	1	1	0	1	1	1	3	0	4	1	2
Martelle	4	3	5	1	4	4	1	1	5	0	1	5
Monticello	42	62	39	56	46	41	48	63	50	49	66	56
Morley	0	3	3	1	0	0	2	1	2	2	0	0
Olin	10	8	8	8	11	4	10	9	6	9	5	4
Onslow	2	2	1	4	1	0	4	3	0	3	2	2
Oxford Junction	8	6	5	10	6	4	7	7	5	9	5	7
Wyoming	4	5	9	7	5	6	8	4	12	5	6	6
Balance of Jones County	81	81	69	103	94	122	38	47	42	36	48	43

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Keokuk County	127	134	145	129	143	147	151	145	134	138	137	124
Delta	3	4	3	3	6	7	8	5	1	1	1	7
Gibson	0	1	0	0	1	2	2	1	1	2	2	1
Harper	2	5	1	2	1	1	0	2	2	2	1	1
Hayesville	0	1	0	0	0	0	0	0	0	0	2	1
Hedrick	9	10	11	6	13	11	9	5	7	9	6	6
Keota	12	13	11	14	11	9	22	16	18	18	15	5
Keswick	1	2	5	2	2	5	4	2	4	1	2	2
Kinross	2	2	0	0	1	3	0	1	2	0	1	0
Martinsburg	2	1	3	1	2	1	1	3	1	4	2	1
North English (part)	0	0	0	1	0	0	0	0	0	0	0	0
Ollie	1	1	1	4	2	2	2	4	3	2	5	5
Richland	7	7	8	6	7	11	11	6	9	4	11	10
Sigourney	23	18	25	24	22	25	49	53	47	56	46	44
South English	4	1	3	0	2	0	5	3	3	2	4	3
Thornburg	3	0	1	1	1	1	1	4	3	0	1	0
Webster	2	2	2	0	1	1	0	4	1	0	0	2
What Cheer	5	6	10	5	4	14	8	7	10	7	4	6
Balance of Keokuk County	51	60	61	60	67	54	29	29	22	30	34	30
Kossuth County	174	163	174	196	219	199	209	195	222	194	223	196
Algona	66	54	59	55	77	66	68	61	93	68	84	76
Bancroft	5	9	11	10	9	11	20	7	17	14	11	13
Burt	6	5	6	6	8	4	10	9	9	7	10	6
Fenton	0	3	4	3	5	5	1	7	6	2	7	7
Lakota	5	1	5	2	3	4	6	5	4	8	7	4
Ledyard	0	1	1	1	1	0	4	4	2	2	6	5
Lone Rock	4	2	0	0	4	2	1	4	4	1	7	0
Lu Verne (part)	3	6	3	4	3	1	2	5	1	6	10	5
Swea City	10	7	9	6	4	8	17	12	10	11	11	8
Titonka	6	3	9	9	5	5	19	22	16	15	15	19
Wesley	4	7	1	10	8	8	7	10	6	5	6	5
West Bend (part)	0	0	0	0	0	0	0	0	0	0	0	0
Whittemore	9	4	8	8	8	8	8	9	8	6	7	10
Balance of Kossuth County	56	61	58	82	84	77	46	40	46	49	42	38
Lee County	446	477	479	435	526	540	426	435	460	470	463	444
Donnellson	9	5	19	15	15	12	18	26	20	17	20	26
Fort Madison	153	141	134	124	139	151	132	148	157	154	133	133
Franklin	0	0	0	0	0	0	0	0	0	0	0	0
Houghton	1	0	2	2	3	1	0	0	2	0	1	0
Keokuk	152	170	190	167	209	212	160	163	169	191	177	174
Montrose	12	12	7	11	16	17	21	24	25	14	22	20
St. Paul	2	1	2	0	1	0	0	0	0	0	1	1
West Point	15	15	7	20	14	12	18	18	21	23	23	8
Balance of Lee County	102	133	118	96	129	135	77	56	66	71	86	82
Linn County	2584	2540	2597	2550	2551	2644	1337	1333	1358	1361	1356	1230
Alburnett	14	2	10	11	5	10	4	3	4	3	3	4
Bertram	0	0	0	0	0	0	1	0	0	0	1	0
Cedar Rapids	1675	1747	1768	1799	1761	1824	926	920	974	980	971	874
Center Point	31	34	35	17	2	32	5	7	4	10	0	17
Central City	27	17	16	30	43	14	18	25	17	13	16	16
Coggon	9	9	7	12	9	12	7	2	7	12	7	5
Ely	18	9	12	8	5	11	5	4	5	1	3	4
Fairfax	11	19	11	6	15	11	2	5	9	4	6	6
Hiawatha	112	93	89	92	84	89	32	27	28	23	20	19
Lisbon	30	25	25	20	18	26	11	11	17	10	12	8
Marion	356	318	345	313	325	341	189	206	178	181	166	145
Mount Vernon	36	23	35	33	23	40	20	25	27	26	35	30
Palo	10	16	5	14	12	9	8	7	8	3	4	8
Prairieburg	6	4	1	0	1	1	0	2	0	1	3	1
Robins	28	21	20	17	17	17	3	3	2	5	2	8
Springville	20	16	9	19	16	13	10	12	11	8	11	9
Walford (part)	0	0	3	12	13	13	6	4	3	5	7	4
Walker	13	9	16	0	0	0	0	0	0	0	0	0
Balance of Linn County	188	178	190	147	202	181	90	70	64	76	89	72

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Louisa County	190	161	174	161	184	143	101	110	122	137	147	113
Columbus City	8	5	0	9	32	2	17	2	4	5	18	3
Columbus Junction	44	38	48	38	17	23	5	26	23	24	10	19
Cotter	0	0	0	0	0	0	0	0	0	0	0	0
Fredonia	0	1	0	0	2	1	0	0	0	0	0	0
Grandview	10	5	6	9	9	4	6	4	4	4	5	5
Letts	4	6	4	5	7	5	4	6	4	7	7	1
Morning Sun	11	8	16	7	7	11	19	16	14	22	16	16
Oakville	14	7	8	13	11	4	2	3	9	4	6	4
Wapello	35	37	37	26	43	36	22	19	31	31	41	33
Balance of Louisa County	64	54	55	54	56	57	26	34	33	40	44	32
Lucas County	95	123	100	129	117	100	118	111	112	118	107	122
Chariton	56	69	54	76	74	59	91	80	77	85	73	87
Derby	2	1	3	2	2	4	1	2	2	0	1	2
Lucas	2	3	2	4	2	3	5	2	1	0	6	0
Russell	5	11	6	11	7	4	4	9	5	6	4	9
Williamson	1	5	4	0	1	0	0	0	2	1	3	4
Balance of Lucas County	29	34	31	36	31	30	17	18	25	26	20	20
Lyon County	137	150	136	165	162	180	118	124	133	123	136	116
Alvord	1	2	3	5	4	2	2	4	2	1	0	1
Doon	9	13	9	10	11	9	5	2	3	3	3	4
George	6	6	5	9	13	13	31	28	26	26	27	24
Inwood	13	14	9	14	16	11	17	14	12	14	19	12
Larchwood	6	12	12	13	7	11	2	5	9	4	3	12
Lester	6	2	6	3	8	3	1	1	2	1	3	2
Little Rock	5	4	4	2	10	6	6	3	4	7	4	4
Rock Rapids	24	24	25	36	25	35	36	45	51	47	52	40
Balance of Lyon County	67	73	63	73	68	90	18	22	24	20	25	17
Madison County	169	152	159	160	162	155	173	138	159	145	143	164
Bevington (part)	2	0	0	0	0	1	0	0	0	0	1	0
Earlham	14	18	16	13	12	14	24	11	20	17	12	15
East Peru	0	0	0	0	0	0	0	0	0	0	0	0
Macksburg	1	2	1	1	3	0	2	0	0	1	0	0
Patterson	1	2	1	5	2	2	2	3	1	0	0	2
St. Charles	11	10	9	18	15	11	4	2	6	9	9	4
Truro	4	4	6	7	6	8	5	6	4	2	5	6
Winterset	65	63	81	57	63	62	93	86	94	85	79	102
Balance of Madison County	71	53	45	59	61	57	43	30	34	31	37	35
Mahaska County	258	260	291	272	277	264	204	234	224	240	223	220
Barnes City (part)	2	3	4	3	2	2	2	2	5	2	0	2
Beacon	4	3	1	3	2	3	1	6	3	2	3	0
Eddyville (part)	1	2	3	3	4	5	4	3	2	6	4	3
Fremont	9	10	9	8	16	12	5	13	9	12	6	8
Keomah Village	0	0	0	0	0	0	0	0	0	0	0	0
Leighton	2	2	4	2	3	1	1	1	3	3	2	1
New Sharon	17	17	13	16	19	15	28	22	24	20	32	26
Oskaloosa	153	144	159	154	138	132	125	140	135	147	136	140
Rose Hill	0	3	5	2	3	3	0	6	2	2	2	0
University Park	7	6	9	8	5	6	2	1	1	1	2	2
Balance of Mahaska County	63	70	84	73	85	85	36	40	40	45	36	38
Marion County	333	378	363	419	391	412	314	330	327	315	308	326
Bussey	6	11	7	9	6	3	7	5	8	4	4	6
Hamilton	2	0	2	2	0	0	0	4	2	2	1	2
Harvey	5	10	1	5	4	3	0	2	1	2	4	2
Knoxville	82	124	115	103	107	117	127	150	134	131	122	135
Marysville	1	0	0	0	0	1	0	0	0	0	0	1
Melcher-Dallas	9	12	16	18	18	18	9	16	13	20	17	12
Pella	106	96	99	121	117	132	98	90	108	87	89	90
Pleasantville	20	26	12	20	19	22	20	18	20	19	25	25
Swan	0	1	3	2	1	2	1	0	1	2	0	0
Balance of Marion County	102	98	108	139	119	114	52	45	40	48	46	53

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Marshall County	472	553	516	523	523	471	511	522	529	514	497	456
Albion	11	7	11	10	8	8	4	5	5	3	5	4
Clemons	2	2	2	4	3	5	2	1	0	0	1	1
Ferguson	0	0	3	3	0	3	4	3	0	0	0	2
Gilman	7	5	5	10	8	7	9	6	5	10	4	5
Haverhill	0	0	0	0	0	0	0	0	0	0	0	0
Laurel	4	7	7	4	2	0	4	3	3	3	4	3
Le Grand	12	8	10	10	7	13	6	6	8	5	5	7
Liscomb	6	2	5	5	4	7	1	3	2	4	5	1
Marshalltown	346	393	364	363	358	316	395	396	402	383	376	339
Melbourne	5	18	8	10	11	4	5	5	4	10	7	6
Rhodes	1	3	6	8	1	2	4	0	2	6	6	6
St. Anthony	3	1	0	0	2	0	0	0	0	1	3	1
State Center	15	16	12	21	24	21	29	19	34	24	24	25
Balance of Marshall County	60	91	83	75	95	85	48	75	64	65	57	56
Mills County	159	177	158	183	159	151	139	134	116	123	149	110
Emerson	3	5	5	8	4	10	2	8	4	5	9	5
Glenwood	71	86	63	79	59	61	81	62	61	61	74	61
Hastings	4	3	3	3	2	1	3	3	1	2	2	2
Henderson	0	2	2	1	2	1	2	2	2	2	2	3
Malvern	12	15	9	15	13	9	17	20	13	18	18	15
Pacific Junction	5	7	8	2	9	6	8	4	5	3	7	6
Silver City	1	3	3	3	7	1	2	3	2	4	0	1
Tabor (part)	0	0	0	3	4	0	0	0	0	0	0	0
Balance of Mills County	63	56	65	69	59	62	24	32	28	28	37	17
Mitchell County	133	130	129	142	154	126	151	146	139	136	157	153
Carpenter	1	3	2	2	2	0	3	1	2	1	0	0
McIntire	1	3	3	4	2	4	3	0	0	1	0	2
Mitchell	2	0	1	1	0	0	2	0	0	0	0	0
Orchard	1	0	1	1	2	1	1	0	1	0	1	0
Osage	47	32	38	33	49	37	70	59	54	63	62	58
Riceville (part)	8	9	4	2	7	3	13	12	25	16	22	12
St. Ansgar	10	5	9	15	13	2	39	46	30	35	39	25
Stacyville	2	5	3	0	0	7	2	1	0	3	1	24
Balance of Mitchell County	61	73	68	84	79	72	18	27	27	17	32	32
Monona County	109	98	126	124	106	145	155	161	156	160	158	162
Blencoe	4	1	1	2	1	0	5	1	3	4	1	4
Castana	2	2	5	4	1	5	1	4	2	3	2	1
Mapleton	16	14	18	10	12	16	30	25	31	30	27	20
Moorhead	3	2	6	1	3	4	3	5	4	8	8	2
Onawa	35	26	36	34	26	33	58	57	61	58	51	56
Rodney	1	3	2	1	3	2	0	0	0	1	3	4
Soldier	2	1	2	4	3	4	1	3	3	2	1	5
Turin	0	1	1	1	0	1	3	0	0	1	1	0
Ute	4	1	4	3	0	8	11	4	6	8	5	8
Whiting	8	16	9	12	5	12	23	26	25	21	30	29
Balance of Monona County	34	31	42	52	52	60	20	36	21	24	29	33
Monroe County	95	97	89	87	119	98	99	99	111	115	96	118
Albia	55	53	47	46	57	50	63	71	80	80	66	83
Eddyville (part)	0	0	0	0	0	0	0	0	0	0	0	0
Lovilia	5	5	5	8	10	11	7	6	9	8	6	11
Melrose	2	1	1	1	1	1	2	2	2	1	1	3
Balance of Monroe County	33	38	36	32	51	36	27	20	20	26	23	21
Montgomery County	112	160	161	160	141	165	177	197	190	145	183	156
Coburg	0	0	0	0	0	0	0	0	0	0	0	0
Elliott	3	3	7	4	5	6	1	3	8	4	4	4
Grant	2	0	1	0	1	1	2	3	1	3	1	2
Red Oak	65	100	98	96	83	100	106	106	109	95	104	91
Stanton	5	6	10	6	1	8	12	30	16	8	18	14
Villisca	17	15	15	16	20	16	34	29	40	19	35	28
Balance of Montgomery County	20	36	30	38	31	34	22	26	16	16	21	17

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Muscatine County	570	591	629	626	642	656	358	329	368	414	380	375
Atalissa	5	5	6	5	3	3	0	2	4	7	3	5
Conesville	15	11	14	8	7	9	1	2	1	2	3	1
Durant (part)	0	0	0	1	1	1	0	0	0	0	0	0
Fruitland	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	322	373	395	405	393	398	237	205	237	283	252	235
Nichols	12	7	10	4	6	2	4	1	1	2	3	3
Stockton	4	4	6	1	6	4	1	5	1	2	1	2
Walcott (part)	0	0	0	0	0	0	0	0	0	0	0	0
West Liberty	51	50	54	54	54	64	35	28	42	29	43	25
Wilton (part)	23	39	30	33	37	50	15	20	27	19	13	26
Balance of Muscatine County	138	102	114	115	135	125	65	66	55	70	62	78
O'Brien County	192	190	200	174	191	199	181	198	194	204	184	192
Archer	1	1	1	1	1	0	1	3	1	1	1	4
Calumet	2	2	3	5	1	3	1	1	3	3	2	6
Hartley	19	21	22	13	16	25	31	25	30	31	25	33
Moneta	0	0	0	0	0	0	0	0	0	0	0	1
Paullina	8	12	10	8	12	10	26	20	19	25	20	25
Primghar	11	14	9	11	9	12	17	20	18	19	14	7
Sanborn	14	13	16	17	16	19	29	35	31	24	18	21
Sheldon (part)	75	71	72	65	71	57	52	60	61	53	63	62
Sutherland	14	7	8	7	13	13	9	15	13	17	18	19
Balance of O'Brien County	48	49	59	47	52	60	15	19	18	31	23	14
Osceola County	80	79	90	70	81	86	79	91	93	90	72	77
Ashton	7	8	10	3	7	11	8	4	10	6	5	3
Harris	3	2	2	3	6	2	2	5	1	2	1	4
Melvin	1	1	3	2	2	0	3	5	8	6	3	0
Ocheyedan	8	4	10	8	8	7	2	4	9	6	5	9
Sibley	36	36	30	23	29	32	48	58	54	58	42	43
Balance of Osceola County	25	28	35	31	29	34	16	15	11	12	16	18
Page County	171	191	174	181	164	166	253	212	256	215	211	224
Blanchard	0	0	0	1	0	0	1	1	1	1	1	1
Braddyville	3	2	2	2	4	1	6	6	3	6	2	2
Clarinda	58	53	57	52	50	53	100	77	96	77	83	82
Coin	3	6	2	2	3	3	5	2	3	4	2	3
College Springs	3	3	3	1	2	0	0	1	1	2	4	1
Essex	8	20	11	7	6	9	7	3	6	8	8	10
Hepburn	0	0	0	0	0	0	0	0	0	0	0	0
Northboro	1	1	1	0	1	0	0	1	2	0	1	0
Shambaugh	2	3	1	4	4	2	1	1	5	2	1	1
Shenandoah (part)	56	69	61	74	64	57	102	89	113	94	87	92
Yorktown	0	0	2	3	1	2	1	1	1	0	0	1
Balance of Page County	37	34	34	35	29	39	30	30	25	21	22	31
Palo Alto County	122	98	95	107	109	112	140	146	131	141	153	124
Ayrshire	5	2	3	1	3	4	5	3	4	4	2	8
Curlew	2	0	1	1	1	1	1	0	1	3	0	0
Cylinder	2	3	0	1	0	0	1	3	2	3	2	0
Emmetsburg	45	32	38	31	33	31	54	73	52	60	77	41
Graettinger	14	12	6	9	8	11	16	12	21	16	9	12
Mallard	9	1	2	1	3	2	1	4	4	4	7	3
Rodman	0	0	0	0	0	0	1	0	0	0	1	2
Ruthven	5	2	7	6	10	10	14	10	14	14	17	21
West Bend (part)	6	13	11	6	7	9	19	17	14	15	16	21
Balance of Palo Alto County	34	33	27	51	44	44	28	24	19	22	22	16
Plymouth County	328	312	316	311	307	317	248	241	243	213	224	244
Akron	15	16	12	15	14	20	30	30	39	24	35	27
Brunsville	0	2	1	1	3	5	0	1	2	0	1	2
Craig	1	2	0	0	1	0	2	1	0	1	1	1
Hinton	12	8	6	3	9	6	6	3	8	4	2	3
Kingsley	23	9	15	12	8	17	24	20	15	20	24	22
Le Mars	139	127	138	120	124	131	119	118	93	93	93	102
Merrill	10	18	8	18	12	10	2	5	7	3	5	4
Oyens	1	0	2	1	2	1	2	4	2	1	1	0
Remsen	23	21	20	28	25	23	29	24	25	24	32	37

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Plymouth County (continued)												
Struble	1	3	1	0	3	0	1	0	1	1	0	1
Westfield	4	2	2	4	2	1	3	3	3	3	0	4
Balance of Plymouth County	99	104	111	109	104	103	30	32	48	39	30	41
Pocahontas County												
Fonda	5	1	3	6	8	11	20	20	15	14	17	16
Gilmore City (part)	0	0	1	6	4	2	2	0	1	3	4	2
Havelock	1	3	1	4	0	1	2	4	2	2	2	5
Laurens	19	17	16	13	20	21	24	26	24	30	23	23
Palmer	2	2	0	3	4	1	1	2	3	5	6	4
Plover	1	2	1	0	2	1	1	2	0	0	1	0
Pocahontas	16	16	15	21	19	11	41	41	44	45	34	47
Rolfe	4	4	5	6	3	6	11	13	10	14	14	14
Varina	1	0	1	3	1	0	1	1	0	1	3	2
Balance of Pocahontas County	28	23	23	22	27	45	26	11	9	21	15	14
Polk County												
Alleman	0	0	0	0	0	0	0	0	0	0	0	0
Altoona	145	115	122	118	125	109	55	57	76	69	52	41
Ankeny	383	381	390	369	356	326	94	102	85	86	70	81
Bondurant	30	26	22	37	27	32	11	8	7	3	7	8
Carlisle (part)	0	0	0	0	0	0	0	0	0	0	0	0
Clive	145	151	80	106	93	101	21	18	18	14	21	17
Des Moines	3404	3529	3477	3449	3528	3712	1834	1892	1906	1827	1864	1778
Elkhart	5	2	11	8	10	10	1	5	5	3	3	2
Grimes	95	91	83	88	92	64	14	12	20	11	15	12
Johnston	86	67	51	61	55	56	65	80	57	60	54	50
Mitchellville	29	13	18	23	19	18	34	24	20	20	22	14
Pleasant Hill	87	76	52	56	34	38	20	28	20	27	20	19
Polk City	35	32	47	38	35	38	25	22	17	18	20	12
Runnells	8	11	13	5	12	8	6	2	9	3	7	5
Sheldahl (part)	0	1	1	1	3	0	2	2	1	2	2	3
Urbandale	351	341	259	308	302	311	140	134	133	125	109	99
West Des Moines (part)	569	601	585	548	503	477	241	247	206	217	235	198
Windsor Heights	51	69	20	16	22	10	23	34	30	36	22	22
Balance of Polk County	262	276	224	227	244	250	118	71	74	84	94	105
Pottawattamie County												
Avoca	18	22	22	10	12	18	22	30	21	25	22	17
Carson	9	9	7	1	0	6	0	0	0	0	1	8
Carter Lake	47	42	46	61	53	56	37	30	32	31	28	23
Council Bluffs	873	845	857	857	898	928	571	552	568	586	561	534
Crescent	9	12	7	7	10	11	9	4	0	1	3	5
Hancock	1	2	1	3	3	2	1	2	1	1	3	4
Macedonia	2	1	1	2	2	1	5	3	4	5	8	4
McClelland	3	2	2	2	0	6	0	3	0	0	1	1
Minden	7	3	8	4	6	5	7	3	2	8	3	5
Neola	16	8	10	9	11	11	9	3	7	6	4	3
Oakland	13	20	7	17	9	20	26	24	22	20	30	25
Shelby (part)	0	0	0	0	0	0	1	0	0	0	0	1
Treynor	7	7	14	11	11	7	8	10	8	11	5	3
Underwood	11	8	10	6	9	8	4	2	6	1	2	7
Walnut	8	4	3	7	4	4	10	8	6	10	8	16
Balance of Pottawattamie County	161	117	147	159	165	178	95	85	80	85	90	75
Poweshiek County												
Barnes City (part)	0	0	0	0	0	0	2	0	0	0	0	0
Brooklyn	17	13	14	16	13	20	22	19	19	18	21	22
Deep River	4	4	3	2	3	2	2	4	2	3	3	5
Grinnell	96	87	101	104	95	90	109	120	114	100	93	105
Guernsey	0	1	1	1	0	3	3	0	0	3	1	1
Hartwick	2	1	2	1	1	1	1	1	1	0	1	0
Malcom	7	6	7	6	3	7	0	3	4	0	1	3
Montezuma	12	25	18	23	12	18	24	26	19	33	20	19
Searsboro	0	1	1	1	3	0	2	1	3	0	2	2
Victor (part)	0	0	2	0	2	3	1	2	1	1	2	1
Balance of Poweshiek County	54	56	66	57	73	71	38	37	35	43	40	46

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Ringgold County	65	43	55	30	38	57	91	74	71	88	83	77
Beaconsfield	2	0	0	0	0	0	1	1	0	0	1	1
Benton	0	0	1	0	0	0	0	0	0	1	0	0
Clearfield (part)	0	0	0	0	1	0	1	0	0	1	0	0
Delphos	0	0	0	0	0	0	0	0	0	0	0	0
Diagonal	2	3	3	2	3	3	1	3	5	7	6	3
Ellston	0	1	0	0	0	0	2	1	0	1	0	0
Kellerton	2	5	8	4	3	7	2	1	2	5	2	3
Maloy	1	0	0	0	0	0	1	1	1	1	0	0
Mount Ayr	25	9	15	9	10	18	57	43	40	48	56	47
Redding	0	0	3	0	0	2	1	1	2	1	2	1
Shannon City (part)	0	0	0	0	0	0	1	0	0	0	0	0
Tingley	4	3	2	0	2	1	4	1	6	5	5	7
Balance of Ringgold County	29	22	23	15	19	26	20	22	15	18	11	15
Sac County	130	159	136	126	139	140	170	167	162	167	176	155
Auburn	8	5	2	5	6	5	7	1	3	6	5	4
Early	6	10	2	11	11	12	7	18	12	10	14	12
Lake View	13	13	11	7	13	11	26	27	11	36	25	22
Lytton	4	3	6	2	1	4	10	2	3	0	2	2
Nemaha	1	2	0	2	0	2	1	7	2	1	2	1
Odebolt	6	17	18	12	9	14	25	26	23	17	26	19
Sac City	25	26	28	26	27	20	42	43	51	31	43	47
Schaller	8	15	9	12	7	9	10	5	11	8	11	8
Wall Lake	12	7	16	9	15	10	19	18	15	29	23	18
Balance of Sac County	47	61	44	40	50	53	23	20	31	29	25	22
Scott County	2175	2303	2251	2243	2408	2483	1269	1182	1302	1259	1307	1224
Bettendorf	130	361	371	360	377	373	218	168	204	204	220	179
Blue Grass	14	20	27	24	24	23	10	11	19	15	8	18
Buffalo	5	16	8	13	24	14	12	8	8	10	12	3
Davenport	1519	1604	1522	1578	1634	1711	886	838	933	900	919	887
Dixon	3	3	6	6	3	0	2	2	1	2	2	3
Donahue	3	4	4	7	4	7	2	3	4	2	0	6
Durant (part)	0	0	0	1	3	1	0	1	2	1	3	1
Eldridge	32	54	81	69	73	87	13	16	21	18	27	14
Le Claire	25	32	28	40	31	43	23	31	19	21	28	19
Long Grove	4	8	6	3	8	12	3	3	5	6	3	4
Maysville	0	0	1	0	2	1	0	0	0	0	1	0
McCausland	4	1	4	1	4	5	2	2	3	2	1	2
New Liberty	3	3	5	3	0	1	0	1	1	1	1	1
Panorama Park	0	0	0	0	0	0	0	0	1	0	0	0
Princeton	6	10	10	8	13	12	8	7	9	8	8	3
Riverdale	1	0	3	2	1	2	3	1	1	3	3	2
Walcott (part)	2	15	22	16	24	24	4	9	16	14	8	14
Balance of Scott County	424	172	153	112	183	167	83	81	55	52	63	68
Shelby County	140	115	156	146	163	154	189	143	170	169	147	146
Defiance	5	3	1	4	2	6	4	1	4	5	1	1
Earling	3	4	4	7	10	2	16	16	6	22	20	10
Elk Horn	3	3	6	7	3	3	47	34	39	35	22	31
Harlan	60	41	64	62	70	55	82	56	82	68	63	66
Irwin	3	0	4	3	3	7	5	4	4	2	4	9
Kirkman	0	0	1	1	0	1	0	0	0	0	0	0
Panama	1	4	5	2	5	5	5	1	7	6	5	0
Portsmouth	2	3	1	4	2	1	1	1	1	1	2	0
Shelby (part)	10	10	9	7	6	8	5	6	4	7	8	6
Tennant	0	0	2	1	0	1	1	0	0	1	0	0
Westphalia	3	2	2	1	2	1	3	1	0	1	0	0
Balance of Shelby County	50	45	57	47	60	64	20	23	23	21	22	23
Sioux County	413	376	410	380	437	433	270	237	229	244	242	218
Alton	13	18	10	15	20	14	12	11	6	16	11	4
Boyden	7	5	8	6	8	17	5	4	8	5	6	3
Chatsworth	1	0	2	2	3	3	1	0	0	2	1	2
Granville	1	5	5	2	5	4	5	4	3	6	3	7
Hawarden	28	22	25	31	25	38	32	34	37	34	40	39
Hospers	13	6	16	3	8	9	14	12	6	5	14	5
Hull	30	44	30	28	31	28	27	20	18	23	29	16

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Sioux County (continued)												
Ireton	7	6	9	8	10	7	4	5	6	3	3	4
Matlock	2	1	1	2	3	2	3	0	0	1	1	0
Maurice	1	3	4	2	4	4	0	0	3	2	1	1
Orange City	66	48	60	61	63	59	54	53	42	40	38	41
Rock Valley	35	33	35	40	38	31	36	36	42	37	37	34
Sheldon (part)	0	0	0	0	0	0	0	0	0	0	0	0
Sioux Center	72	57	62	61	64	69	40	41	41	42	42	36
Balance of Sioux County	137	128	143	119	155	148	37	17	17	28	16	26
Story County												
Ames	501	520	513	514	469	492	191	165	180	167	175	171
Cambridge	18	18	7	7	14	14	7	7	7	2	9	4
Collins	10	7	9	0	0	1	0	1	0	0	0	2
Colo	5	13	8	16	6	13	12	8	7	8	13	10
Gilbert	16	12	10	13	13	13	2	3	6	1	4	3
Huxley	41	39	30	33	27	41	20	22	14	9	13	13
Kelley	6	6	3	7	4	9	1	0	2	1	2	2
Maxwell	10	17	9	5	14	17	8	11	7	7	12	7
McCallsburg	2	6	3	2	1	6	2	3	0	3	3	2
Nevada	66	90	82	77	75	82	65	58	56	63	49	65
Roland	21	24	17	14	20	14	7	12	12	8	6	6
Sheidahl (part)	4	2	5	2	3	3	2	0	0	0	0	1
Slater	17	18	15	24	14	18	9	14	13	8	13	9
Story City	31	30	41	30	28	36	70	63	66	53	57	56
Zearing	15	12	7	7	4	8	14	15	7	22	19	15
Balance of Story County	83	90	97	93	93	111	42	36	48	37	45	46
Tama County												
Chelsea	3	10	5	7	7	8	5	1	0	1	6	2
Clutier	3	6	5	3	1	1	4	3	1	2	6	7
Dysart	14	14	12	12	17	5	25	25	33	26	20	21
Elberon	7	6	7	4	2	3	1	0	1	2	2	0
Garwin	5	2	6	3	5	7	2	7	7	7	13	5
Gladbrook	9	8	9	15	19	14	15	27	12	15	25	10
Lincoln	3	1	1	4	1	6	1	4	1	1	4	4
Montour	2	5	2	11	1	8	1	3	5	1	5	2
Tama	60	53	51	57	45	52	28	42	36	31	41	30
Toledo	38	34	43	28	29	31	24	27	40	40	37	39
Traer	19	13	19	25	11	18	36	24	35	35	28	23
Vining	2	0	1	1	2	1	0	1	0	0	0	0
Balance of Tama County	83	78	75	66	85	72	53	59	48	68	35	27
Taylor County												
Athelstan	0	0	0	0	0	0	0	0	0	0	0	0
Bedford	20	16	19	13	16	13	34	30	21	27	33	35
Blockton	5	5	2	3	4	5	4	3	5	1	2	1
Clearfield (part)	1	3	3	6	2	2	20	16	10	9	11	8
Conway	2	0	0	0	0	0	0	0	0	0	0	0
Gravity	2	2	1	4	2	2	1	1	3	3	0	1
Lenox (part)	14	15	13	22	12	15	28	30	19	29	31	26
New Market	7	11	6	2	10	7	7	10	7	7	6	8
Sharpsburg	0	2	1	0	0	1	0	1	0	3	0	1
Balance of Taylor County	28	21	31	28	24	30	14	15	22	20	12	14
Union County												
Afton	10	8	12	11	15	17	15	20	15	26	17	26
Arispe	0	0	0	0	2	0	0	1	1	1	2	0
Creston	91	114	110	76	102	86	115	115	112	104	115	99
Cromwell	1	0	0	0	1	0	1	2	1	0	0	2
Kent	0	0	0	1	1	1	1	4	0	1	2	1
Lorimor	3	3	2	3	4	7	3	1	8	3	1	5
Shannon City (part)	0	2	3	0	1	0	0	4	1	0	1	0
Thayer	0	2	1	2	3	0	1	1	1	1	0	1
Balance of Union County	31	34	26	26	23	38	16	18	30	23	25	26

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1997 (ct.).

County/Place/Balance	Births						Deaths					
	1997	1996	1995	1994	1993	1992	1997	1996	1995	1994	1993	1992
Webster County (continued)												
Fort Dodge	370	355	350	353	392	397	377	375	374	369	380	365
Gowrie	5	12	6	12	11	10	14	20	21	28	22	25
Harcourt	3	0	3	2	4	3	4	3	4	1	2	1
Lehigh	3	6	4	4	3	4	6	4	5	7	3	1
Moorland	3	2	3	1	2	3	5	3	1	0	3	1
Otho	13	6	12	9	5	15	5	3	3	5	5	6
Stratford (part)	0	0	1	0	1	0	0	0	3	0	0	1
Vincent	3	4	2	1	2	1	1	1	6	3	1	0
Balance of Webster County	75	80	81	101	83	93	48	55	45	47	40	53
Winnebago County												
Buffalo Center	135	144	134	135	121	141	135	151	128	137	150	158
Forest City (part)	9	11	10	6	5	7	27	29	26	25	27	23
Lake Mills	54	53	55	52	37	63	44	50	40	40	45	38
Leland	17	28	18	20	33	25	22	39	29	36	36	46
Rake	5	5	4	5	5	3	1	1	2	3	3	7
Scarville	1	4	0	2	0	2	4	5	2	1	4	6
Thompson	1	1	3	1	0	1	2	1	2	1	0	0
Balance of Winnebago County	8	12	8	5	6	5	6	4	5	5	2	7
Balance of Winnebago County	40	30	36	44	35	35	29	22	22	26	33	31
Winneshiek County												
Calmar	200	212	240	242	229	255	178	182	188	178	175	159
Castalia	13	9	10	13	10	12	19	16	11	6	18	13
Decorah	0	3	1	2	1	5	2	3	1	2	3	4
Fort Atkinson	73	74	76	63	84	74	77	83	95	96	73	70
Jackson Junction	2	4	3	9	8	10	6	5	4	3	3	8
Ossian	0	0	0	0	0	0	0	0	1	0	0	0
Ridgeway	13	12	8	12	13	11	11	17	17	11	14	10
Spillville	3	3	7	8	9	8	3	2	6	3	2	2
Balance of Winneshiek County	4	4	5	6	4	6	4	6	9	6	6	5
Balance of Winneshiek County	92	103	130	129	100	129	56	50	44	51	56	47
Woodbury County												
Anthon	1691	1699	1700	1651	1651	1665	962	935	1021	985	982	974
Bronson	4	6	6	10	2	5	7	15	12	21	10	14
Correctionville	4	4	2	9	5	3	2	5	3	0	4	4
Cushing	9	8	15	11	12	17	20	15	16	15	23	13
Danbury	1	5	4	1	3	1	8	3	3	5	4	8
Hornick	6	6	8	6	5	3	7	8	10	8	2	4
Lawton	5	3	2	1	0	3	3	3	2	1	3	3
Moville	6	7	8	11	8	8	7	4	6	1	4	5
Oto	25	21	15	16	13	20	7	16	15	18	16	18
Pierson	0	3	8	2	3	1	3	4	3	1	2	2
Salix	9	2	1	3	5	1	5	4	3	1	6	3
Sergeant Bluff	2	5	5	9	5	7	2	1	7	3	3	5
Sioux City	32	32	39	28	29	41	17	23	27	35	25	23
Sloan	1485	1480	1475	1426	1459	1436	809	773	847	813	820	812
Smithland	13	16	15	10	9	6	4	10	11	7	8	5
Balance of Woodbury County	2	4	5	5	5	10	4	3	4	3	1	5
Balance of Woodbury County	88	97	92	103	88	103	57	48	52	53	51	50
Worth County												
Fertile	75	85	89	91	94	91	98	97	120	102	96	94
Grafton	1	4	5	4	7	5	4	1	6	5	3	0
Hanlontown	3	1	6	2	2	5	2	3	3	1	3	2
Joice	3	6	3	8	5	4	1	2	3	3	2	5
Kensett	3	6	4	1	4	1	1	3	6	2	0	3
Manly	3	4	3	4	0	6	6	5	6	2	3	4
Northwood	15	21	16	19	16	17	28	23	26	38	29	20
Balance of Worth County	17	21	21	17	22	17	40	37	41	36	34	41
Balance of Worth County	30	22	31	36	38	36	16	23	29	15	22	19
Wright County												
Belmond	152	172	139	157	156	171	218	191	177	198	210	173
Clarion	23	27	31	31	32	31	44	38	46	41	43	29
Dows (part)	38	38	40	28	23	35	52	51	46	69	49	39
Eagle Grove	7	2	3	5	7	6	22	13	10	12	12	21
Galt	44	50	35	46	45	43	60	52	45	45	66	52
Goldfield	0	1	0	0	0	0	1	0	1	0	2	0
Rowan	6	8	3	7	6	5	7	9	3	6	13	3
Woolstock	4	2	3	2	1	2	2	6	2	4	4	5
Balance of Wright County	2	5	0	2	0	1	4	0	4	2	1	0
Balance of Wright County	28	39	24	36	42	48	26	22	20	19	20	24

Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1982 and 1987-1997

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In 1997, there were 36,641 births to Iowans (Table 1). Births to Iowa residents are attributed to the county of residence of the mother. This information is collected annually by the Iowa Department of Public Health. Births in Iowa's counties in 1997 varied from as few as 33 in Adams to as many as 5,685 in Polk. Polk had the highest number of births each year in the 1987-1997 period reported in the tables in this section, while either Adams or Ringgold had the lowest.

The state had annual increases in births from 1987 to 1990; they declined from 1990 to 1995, increased in 1996, and then dropped again in 1997. All counties had at least one year of increase during the time period. When 1987 and 1997 were compared, however, 75 counties showed declines (Table 3); Polk's increase of 698 was the only one above 250. Scott, with 117 fewer births in 1997 than in 1987, had the largest decrease, although three other counties declined by at least 100.

Out-of-Wedlock Births

Even though births declined in Iowa between 1987 and 1997, the number of births out of wedlock increased. The total of 9,593 out-of-wedlock births in 1997 was an increase of 56.2 percent from the 6,142 in 1987. The increase of 822 out-of-wedlock births from 1988 to 1989 was the largest annual increase among the years reported. Indeed, nearly all of Iowa's increase in births from 1988 to 1989 (+846) was in the out-of-wedlock category (+822). And the increase in out-of-wedlock births (+717) surpassed the increase in total births (+414) from 1989 to 1990. The decline of 493 total births from 1991 to 1992 stands in contrast to the gain of 406 out-of-wedlock births during that same period. For 1996 to 1997, out-of-wedlock births decreased by 158 while total births declined by 489.

In each year from 1987 through 1997, Polk County had the highest number of out-of-wedlock births; Scott was second highest. The six out-of-wedlock births in Wayne were the lowest of any county in 1997.

Out-of-wedlock births occurred disproportionately in large, urban counties. In 1987, the five counties (Black Hawk, Linn, Polk, Scott, Woodbury) with the highest number of out-of-wedlock births together accounted for nearly half (46.7%) of such births but only for a third (33.8%) of the total births. In 1997, the same five counties recorded 42.8 percent of the out-of-wedlock births and 37.4 percent of all births.

Other than 1993 to 1994 and 1996 to 1997, the number of out-of-wedlock births increased each year in the 1987-1997 period for Iowa. Ninety-seven counties had more out-of-wedlock births in 1997 than in 1987 (Table 3). The increases ranged from 1 to 430. For 63 of the 97 counties that gained, the increase was less than 25. Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury increased by more than 100. Wayne had the same number of out-of-wedlock births in 1987 and 1997, and Allamakee (-6) had fewer out-of-wedlock births in 1997 than in 1987.

Because the number of births in Iowa generally was going down at the same time as the number of out-of-wedlock births was going up, the percentage of all births that were out of wedlock rose from 16.2 percent in 1987 to 26.2 percent in 1997 (Table 3, Figure 1). In 1997, the percentage of out-of-wedlock

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997.

County	1997		1996		1995		1994		1993		1992	
	Births	Out-of-Wedlock Births										
Adair	68	18	61	12	80	13	93	9	74	11	105	17
Adams	33	8	48	11	36	6	64	13	51	12	41	3
Allamakee	165	34	173	48	157	42	158	32	176	33	199	28
Appanoose	141	46	168	43	147	44	152	52	164	48	174	43
Audubon	82	12	63	14	75	14	88	16	72	6	70	9
Benton	281	38	264	50	298	61	292	64	308	50	304	60
Black Hawk	1586	573	1601	607	1509	578	1605	580	1774	637	1650	577
Boone	289	66	299	74	309	71	313	61	274	50	288	53
Bremer	219	33	234	41	249	38	243	37	272	35	259	31
Buchanan	284	67	286	60	283	61	314	69	277	59	327	59
Buena Vista	259	62	228	68	219	68	243	66	238	59	274	55
Butler	160	28	148	30	166	34	163	26	169	32	159	22
Calhoun	97	18	115	27	114	23	106	21	90	22	120	19
Carroll	238	49	260	54	283	52	269	51	258	46	271	59
Cass	160	38	152	35	152	33	150	36	178	35	169	23
Cedar	198	33	195	39	204	41	193	38	203	35	197	37
Cerro Gordo	525	165	600	176	591	167	587	159	592	153	600	155
Cherokee	142	35	115	28	134	38	157	31	141	26	158	30
Chickasaw	157	29	123	23	152	32	169	29	179	29	166	24
Clarke	83	24	87	26	102	27	82	27	81	25	105	28
Clay	197	49	188	59	206	44	219	55	190	45	235	40
Clayton	195	49	176	29	206	56	207	39	242	46	228	44
Clinton	629	208	602	204	657	217	645	207	680	207	680	201
Crawford	211	60	232	63	178	50	176	39	208	55	196	49
Dallas	482	111	501	100	477	100	440	71	425	85	422	74
Davis	119	21	128	24	94	12	127	11	118	19	107	16
Decatur	98	36	97	21	97	31	113	20	88	24	88	22
Delaware	208	49	233	42	213	45	268	41	262	36	261	33
Des Moines	549	194	565	219	523	179	524	150	558	166	567	171
Dickinson	169	44	148	36	137	36	148	27	127	28	152	35
Dubuque	1143	286	1197	240	1188	234	1176	266	1252	263	1168	250
Emmet	118	34	134	44	108	35	109	22	141	33	135	36
Fayette	260	69	249	76	271	61	302	65	255	53	278	52
Floyd	209	59	194	58	203	53	186	39	200	51	204	36
Franklin	130	30	126	31	116	23	133	33	120	22	125	23
Fremont	94	23	60	14	85	30	79	24	90	27	103	30
Greene	110	27	120	26	112	22	108	29	129	29	123	25
Grundy	128	16	124	16	98	19	111	17	141	14	113	14
Guthrie	127	33	130	27	121	28	126	21	105	25	154	32
Hamilton	210	57	182	42	193	46	203	38	193	39	206	45
Hancock	127	27	121	21	122	28	125	20	125	22	142	20
Hardin	189	45	216	53	244	54	218	43	204	43	192	49
Harrison	179	36	173	40	174	34	175	36	179	42	200	38
Henry	241	67	203	51	276	76	239	56	252	62	256	61
Howard	124	18	92	12	118	22	96	20	112	23	126	19
Humboldt	128	25	111	20	107	17	118	16	110	22	100	11
Ida	99	14	99	17	73	11	86	15	93	9	94	18
Iowa	156	23	227	38	192	32	212	30	213	37	196	29
Jackson	242	61	236	58	261	66	241	71	258	54	258	58
Jasper	436	95	426	87	416	83	439	89	423	82	455	88

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997 (continued).

County	1997		1996		1995		1994		1993		1992	
	Births	Out-of-Wedlock Births										
Jefferson	161	34	171	36	153	30	172	33	177	41	185	36
Johnson	1274	215	1272	202	1258	166	1288	162	1337	168	1359	149
Jones	213	56	224	54	196	51	253	61	235	52	243	51
Keokuk	127	26	134	37	145	31	129	23	143	29	147	24
Kossuth	174	39	163	29	174	29	196	25	219	33	199	29
Lee	446	176	477	174	479	154	435	139	526	177	539	167
Linn	2584	635	2540	617	2597	569	2550	652	2551	624	2644	604
Louisa	190	49	161	51	174	54	161	46	184	61	143	42
Lucas	95	22	123	36	100	31	129	33	117	24	100	17
Lyon	137	19	150	17	136	11	165	16	162	17	180	13
Madison	169	30	152	29	159	26	160	24	162	33	155	25
Mahaska	258	56	260	64	291	61	272	66	277	55	264	53
Marion	333	50	378	85	363	76	419	71	391	73	412	57
Marshall	472	140	553	142	516	141	523	150	523	163	471	109
Mills	159	33	177	47	158	42	183	54	159	49	151	36
Mitchell	133	20	130	20	129	20	142	19	154	27	126	16
Monona	109	22	98	35	126	40	124	30	106	20	145	37
Monroe	95	24	97	22	89	25	87	21	119	21	98	20
Montgomery	112	41	160	33	161	34	160	50	141	35	165	33
Muscatine	570	173	591	188	629	191	626	196	642	175	655	179
O'Brien	192	31	190	40	200	32	174	27	191	35	199	28
Osceola	80	12	79	12	90	19	70	11	81	12	86	8
Page	171	41	191	49	174	46	181	59	164	42	166	48
Palo Alto	122	31	98	19	95	20	107	12	109	26	112	18
Plymouth	328	66	312	54	316	54	311	50	307	50	317	47
Pocahontas	77	18	68	21	66	14	84	15	88	23	99	13
Polk	5685	1515	5782	1567	5455	1436	5458	1446	5460	1456	5558	1524
Pottawattamie	1185	430	1102	395	1142	377	1156	399	1193	376	1261	396
Poweshiek	192	38	194	54	215	52	211	55	205	40	215	40
Ringgold	65	11	43	8	55	10	30	7	38	8	57	11
Sac	130	36	159	33	136	20	126	30	139	30	140	25
Scott	2175	769	2303	830	2251	779	2243	809	2408	824	2469	838
Shelby	140	30	115	20	156	27	146	27	163	29	154	14
Sioux	413	41	376	40	410	28	380	37	437	44	433	34
Story	846	94	904	121	856	108	844	92	785	101	877	103
Tama	248	75	230	65	236	65	236	61	225	46	225	60
Taylor	79	19	75	22	76	12	78	12	70	11	75	11
Union	136	31	163	41	154	46	119	33	152	35	149	40
Van Buren	79	19	86	11	76	8	104	24	108	24	91	19
Wapello	416	126	459	143	403	124	428	130	465	132	422	128
Warren	513	97	481	92	481	81	449	84	499	99	516	107
Washington	254	39	327	52	308	51	279	55	273	43	269	41
Wayne	57	6	64	12	80	17	78	13	71	9	74	15
Webster	520	188	496	171	498	168	525	169	534	168	566	154
Winnebago	135	33	144	37	134	32	135	25	121	29	139	37
Winneshiek	200	31	212	37	240	31	242	27	229	32	255	33
Woodbury	1691	613	1699	586	1700	585	1651	540	1651	576	1665	558
Worth	75	21	85	17	89	19	91	15	94	18	91	15
Wright	152	30	172	50	139	28	157	36	156	35	171	37
State of Iowa	36641	9593	37130	9751	36790	9258	37057	9198	37805	9296	38432	9050

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997 (continued).

County	1991		1990		1989		1988		1987		1982	
	Births	Out-of-Wedlock Births										
Adair	87	12	102	16	109	11	86	9	94	9	143	8
Adams	64	13	60	11	70	13	74	3	63	6	80	3
Allamakee	174	16	177	31	214	35	201	25	202	40	237	16
Appanoose	170	44	166	40	166	51	167	36	162	24	184	22
Audubon	76	11	91	5	83	7	82	5	95	7	119	9
Benton	336	68	318	46	292	49	286	34	283	29	307	28
Black Hawk	1732	561	1699	541	1687	491	1628	482	1621	409	2245	384
Boone	312	51	329	57	309	47	347	58	318	37	367	34
Bremer	237	34	242	27	256	24	233	18	242	23	367	21
Buchanan	302	45	302	47	336	52	310	36	325	42	454	41
Buena Vista	265	54	287	42	253	25	302	43	263	30	313	16
Butler	162	20	184	25	180	26	189	25	179	19	255	12
Calhoun	111	18	130	20	124	22	111	13	145	16	196	13
Carroll	278	47	320	36	292	32	312	18	338	35	384	25
Cass	205	29	192	26	192	33	190	22	163	16	254	16
Cedar	217	28	221	37	224	38	197	23	189	27	266	20
Cerro Gordo	621	162	686	157	657	144	623	114	625	130	714	82
Cherokee	153	33	200	38	177	19	169	24	166	17	231	15
Chickasaw	166	24	199	18	182	26	170	21	154	17	265	25
Clarke	105	25	106	22	121	22	112	19	114	15	136	12
Clay	258	42	239	32	260	39	222	28	237	36	357	33
Clayton	254	33	242	43	262	35	234	33	250	23	327	20
Clinton	685	181	685	183	674	140	676	151	689	124	855	92
Crawford	205	36	228	49	204	34	256	37	277	24	294	30
Dallas	426	73	409	77	445	74	384	55	423	61	428	41
Davis	127	14	128	14	116	18	115	9	110	9	137	13
Decatur	94	21	91	12	99	16	98	9	110	16	136	7
Delaware	271	40	285	27	264	28	290	31	284	32	362	21
Des Moines	580	175	568	161	582	172	560	115	540	101	670	91
Dickinson	163	20	160	26	158	19	147	17	175	30	227	9
Dubuque	1231	238	1260	211	1184	215	1192	156	1253	166	1447	160
Emmet	155	23	134	31	121	20	139	19	144	17	200	21
Fayette	295	53	289	45	279	43	297	25	263	23	404	48
Floyd	221	45	219	48	220	47	197	33	208	32	250	24
Franklin	130	26	124	22	132	14	136	18	139	18	176	5
Fremont	107	26	100	17	98	19	103	20	103	14	117	11
Greene	124	26	108	14	104	21	117	20	138	19	165	18
Grundy	136	15	146	11	138	13	142	8	121	10	167	10
Guthrie	138	30	122	25	111	25	117	11	104	13	149	14
Hamilton	220	42	209	26	213	33	199	21	198	24	219	25
Hancock	157	26	164	23	167	19	159	21	165	18	233	15
Hardin	209	26	213	29	214	33	224	38	218	20	324	24
Harrison	201	34	187	27	191	40	192	25	225	33	217	24
Henry	237	47	265	50	224	46	248	30	236	31	270	27
Howard	114	14	135	14	126	15	111	14	146	10	169	16
Humboldt	104	20	112	16	136	10	143	14	138	14	189	11
Ida	100	11	107	17	150	12	122	5	112	9	117	6
Iowa	208	34	213	28	236	21	178	18	179	12	216	12
Jackson	286	52	252	51	255	43	275	39	290	29	357	34
Jasper	471	89	432	74	461	61	446	52	438	60	524	50

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997 (continued).

County	1991		1990		1989		1988		1987		1982	
	Births	Out-of-Wedlock Births										
Jefferson	186	30	192	37	202	31	208	24	178	13	209	21
Johnson	1358	156	1406	170	1297	138	1330	117	1285	131	1299	88
Jones	255	27	251	49	236	35	240	43	216	28	280	27
Keokuk	176	26	150	19	152	17	160	15	147	19	166	7
Kossuth	226	33	251	35	240	25	245	19	249	17	344	13
Lee	494	141	496	121	492	149	509	131	544	128	623	92
Linn	2632	561	2641	562	2507	522	2465	482	2373	392	2642	338
Louisa	148	36	163	36	149	28	141	24	167	28	178	17
Lucas	111	23	116	19	93	14	111	18	101	10	164	24
Lyon	156	9	178	14	167	9	183	6	176	9	214	9
Madison	158	25	158	14	167	28	161	19	138	14	158	7
Mahaska	300	68	285	52	316	60	295	43	296	54	342	26
Marion	364	51	374	44	398	51	363	45	405	37	463	36
Marshall	458	115	502	96	488	92	488	94	455	71	617	58
Mills	170	35	136	22	168	28	154	41	173	27	174	20
Mitchell	148	18	131	20	127	15	137	17	133	7	154	14
Monona	133	29	114	21	113	26	105	18	110	21	157	14
Monroe	111	23	116	25	96	17	88	7	107	18	111	10
Montgomery	138	28	158	31	150	29	148	29	153	12	183	12
Muscatine	676	152	665	159	682	137	615	118	560	99	754	112
O'Brien	176	16	184	19	195	16	173	18	184	11	274	11
Osceola	107	13	94	10	100	6	104	9	87	7	124	4
Page	179	39	200	45	220	41	209	28	189	27	237	21
Palo Alto	111	19	95	13	140	19	133	15	122	8	184	14
Plymouth	296	60	346	51	310	40	311	29	353	35	392	23
Pocahontas	104	10	124	17	110	10	135	12	109	7	150	5
Polk	5494	1481	5367	1398	5545	1302	4998	1145	4987	1085	4969	797
Pottawattamie	1299	392	1361	388	1281	327	1295	326	1252	301	1411	231
Poweshiek	237	45	226	45	226	28	203	30	187	25	254	21
Ringgold	53	9	44	5	53	4	56	8	60	5	107	8
Sac	125	20	145	18	153	17	142	16	149	13	183	7
Scott	2409	818	2430	783	2376	721	2368	656	2292	575	2751	465
Shelby	156	17	182	21	163	15	170	13	172	9	240	22
Sioux	439	36	434	33	432	21	471	20	457	26	560	11
Story	900	101	927	88	874	62	949	80	933	73	1010	54
Tama	213	56	215	31	218	54	207	34	233	37	285	31
Taylor	63	10	92	10	79	12	73	5	86	10	133	8
Union	143	32	148	32	166	28	143	20	152	30	192	28
Van Buren	98	20	89	14	93	8	123	11	103	10	117	7
Wapello	481	116	490	137	484	96	420	78	446	94	564	77
Warren	550	75	479	72	499	68	483	69	487	34	495	46
Washington	277	27	307	45	301	45	280	29	298	32	290	19
Wayne	74	11	83	14	77	9	89	16	75	6	93	7
Webster	563	165	597	159	605	142	589	143	595	106	733	111
Winnebago	138	22	148	21	165	23	164	16	152	14	178	15
Winneshiek	252	33	259	34	269	20	272	19	269	12	309	15
Woodbury	1623	552	1631	528	1496	425	1582	435	1542	409	1691	310
Worth	99	16	99	16	107	22	100	14	98	12	130	15
Wright	188	40	214	31	191	28	174	26	177	18	208	20
State of Iowa	38925	8644	39330	8269	38916	7552	38070	6730	37866	6142	44716	5062

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997.

County	1997		1996		1995		1994		1993		1992	
	Teen Births	Out-of-Wedlock Births										
Adair	3	3	11	5	8	5	6	5	7	3	8	5
Adams	7	5	4	4	5	4	7	3	6	2	2	1
Allamakee	13	10	21	16	20	18	17	12	16	14	13	7
Appanoose	19	17	24	14	25	17	28	20	28	20	30	15
Audubon	9	5	6	4	6	3	8	6	2	1	2	1
Benton	16	9	26	17	29	26	29	23	26	20	23	19
Black Hawk	193	169	251	224	264	235	264	235	259	226	259	228
Boone	25	24	27	24	37	29	32	24	23	16	30	20
Bremer	14	11	13	13	21	16	18	12	14	8	8	5
Buchanan	26	21	19	16	33	25	34	25	35	24	18	13
Buena Vista	34	26	27	17	30	22	21	18	29	23	18	14
Butler	13	8	16	11	16	14	10	9	16	13	15	11
Calhoun	9	8	10	9	6	4	7	6	6	6	9	7
Carroll	18	18	25	20	31	26	23	21	22	20	20	18
Cass	17	11	18	13	19	15	15	11	18	12	20	11
Cedar	10	9	10	6	15	9	14	11	20	16	17	13
Cerro Gordo	44	41	61	54	72	63	76	62	65	55	71	59
Cherokee	18	12	17	11	14	12	6	6	11	9	16	12
Chickasaw	9	6	17	14	16	13	9	7	7	5	6	6
Clarke	16	13	14	10	16	8	6	4	12	7	17	11
Clay	18	17	22	19	23	19	22	19	16	14	11	8
Clayton	15	14	13	12	24	21	17	15	15	12	16	13
Clinton	86	74	84	71	85	72	81	68	83	73	80	70
Crawford	17	14	28	21	24	20	16	14	25	19	18	18
Dallas	46	36	43	33	33	28	38	30	45	32	30	24
Davis	13	7	14	12	12	5	9	2	5	3	9	6
Decatur	25	16	14	10	14	13	24	10	13	6	20	10
Delaware	24	21	11	10	20	19	21	18	22	17	17	16
Des Moines	78	67	79	67	73	60	66	51	86	65	79	60
Dickinson	12	11	13	10	12	9	9	6	5	3	16	13
Dubuque	92	81	93	80	101	87	94	85	111	93	92	82
Emmet	22	15	24	22	18	16	12	6	26	17	15	13
Fayette	29	24	37	28	24	18	42	26	21	11	32	17
Floyd	27	22	18	17	18	17	24	19	25	18	19	12
Franklin	17	14	11	8	12	9	18	15	10	5	12	9
Fremont	10	8	10	6	18	14	7	4	13	10	15	12
Greene	14	7	8	7	10	9	19	17	16	10	8	6
Grundy	8	7	8	7	9	6	6	6	9	5	6	4
Guthrie	14	10	17	14	13	10	11	6	11	9	20	14
Hamilton	27	23	21	17	21	18	24	16	22	17	21	16
Hancock	11	7	16	13	15	11	9	8	12	10	6	5
Hardin	23	17	15	13	22	18	31	27	26	23	19	16
Harrison	18	12	22	17	18	13	13	12	19	15	14	10
Henry	31	26	19	15	27	22	32	23	30	23	28	19
Howard	11	9	5	5	15	13	11	8	10	9	7	4
Humboldt	12	10	10	6	8	5	8	2	13	8	7	4
Ida	8	5	10	8	4	3	12	8	10	6	4	4
Iowa	7	6	13	12	13	11	8	6	11	9	14	10
Jackson	27	19	35	25	30	22	27	22	31	25	18	17
Jasper	43	34	40	31	40	28	46	32	35	31	46	32

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997 (continued).

County	1997		1996		1995		1994		1993		1992	
	Teen Births	Out-of-Wedlock Births										
Jefferson	22	16	13	8	7	6	10	7	21	12	14	9
Johnson	58	49	62	46	52	38	59	47	49	37	39	32
Jones	27	24	26	24	20	16	28	25	21	18	15	13
Keokuk	15	11	19	16	16	11	11	8	15	9	12	5
Kossuth	17	12	11	7	13	10	7	5	13	9	16	12
Lee	75	66	72	62	76	67	67	52	83	62	74	58
Linn	223	192	240	202	225	190	273	227	242	202	241	210
Louisa	26	21	22	17	19	12	18	12	19	16	21	14
Lucas	6	6	17	14	15	11	10	7	14	9	5	2
Lyon	12	10	8	5	7	3	12	8	6	4	14	6
Madison	12	10	10	7	15	9	14	10	13	9	15	7
Mahaska	27	20	31	19	26	19	34	20	27	17	33	22
Marion	31	15	38	27	38	27	44	33	51	37	33	23
Marshall	70	46	81	58	65	48	73	57	61	44	53	40
Mills	7	6	21	19	19	14	30	22	19	15	16	12
Mitchell	11	6	6	5	11	7	8	7	10	8	12	8
Monona	12	10	22	16	18	14	14	8	8	4	23	17
Monroe	11	10	12	9	15	14	14	10	15	7	15	12
Montgomery	13	11	15	10	20	13	24	15	16	10	20	10
Muscatine	94	70	96	72	88	64	95	74	83	62	83	56
O'Brien	17	12	24	17	22	16	20	10	28	23	26	14
Osceola	7	5	7	6	7	6	8	5	3	3	8	5
Page	15	7	23	17	21	12	20	17	20	15	25	22
Palo Alto	11	10	9	9	14	12	9	6	12	8	8	6
Plymouth	26	21	29	24	19	16	23	22	29	22	22	14
Pocahontas	10	8	12	9	5	4	10	7	8	8	5	4
Polk	559	455	600	507	554	470	530	453	596	510	589	498
Pottawattamie	174	152	148	119	169	136	178	142	167	129	168	128
Poweshiek	24	20	18	14	22	17	23	20	14	12	20	18
Ringgold	8	4	3	1	8	5	2	1	7	4	7	4
Sac	17	16	15	14	11	11	14	12	14	13	10	8
Scott	284	255	340	303	345	307	334	289	344	305	352	305
Shelby	11	9	11	8	13	11	18	16	13	9	9	7
Sioux	33	18	26	14	18	9	31	13	39	25	26	16
Story	48	33	53	38	40	28	36	25	44	33	41	27
Tama	41	29	35	29	35	26	27	17	22	17	26	21
Taylor	11	5	7	5	7	3	10	6	7	5	5	3
Union	10	7	27	17	24	16	16	12	17	9	13	9
Van Buren	15	10	6	4	9	2	6	5	9	7	11	10
Wapello	62	41	80	55	60	43	65	47	73	50	57	35
Warren	44	32	36	33	35	22	37	27	45	33	55	44
Washington	18	16	21	12	22	17	27	23	21	15	18	12
Wayne	9	4	8	5	10	8	8	4	8	6	10	6
Webster	75	66	67	60	71	62	64	52	65	51	68	50
Winnebago	18	14	13	9	15	13	12	8	12	9	18	16
Winneshiek	12	11	16	11	19	17	15	12	9	5	15	13
Woodbury	274	212	242	190	263	208	242	192	232	195	246	181
Worth	10	8	7	5	10	8	7	5	10	8	9	6
Wright	12	11	21	15	12	8	17	14	14	11	13	7
State of Iowa	3922	3161	4096	3311	4064	3286	4041	3217	4066	3229	3935	3077

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997 (continued).

County	1991		1990		1989		1988		1987		1982	
	Teen Births	Out-of-Wedlock Births										
Adair	4	2	12	8	6	6	6	5	8	4	13	4
Adams	3	3	3	3	8	6	2	0	7	4	6	1
Allamakee	9	6	17	10	27	18	13	10	23	15	28	12
Appanoose	28	17	29	13	25	17	20	14	24	12	28	10
Audubon	5	4	6	2	7	2	9	0	6	3	15	3
Benton	26	18	23	19	22	15	14	10	28	14	30	12
Black Hawk	257	219	246	198	226	181	183	149	195	147	273	173
Boone	32	22	26	21	32	23	35	21	17	8	30	15
Bremer	19	15	15	9	14	10	14	6	18	9	30	8
Buchanan	21	15	27	17	26	18	24	18	25	12	57	19
Buena Vista	27	18	30	18	15	6	29	23	13	9	27	9
Butler	13	7	15	9	13	10	13	5	10	6	22	4
Calhoun	5	4	4	3	8	7	6	3	7	5	20	4
Carroll	26	20	15	10	19	17	10	7	21	15	39	18
Cass	22	11	23	9	16	12	13	8	8	2	21	5
Cedar	11	9	25	15	19	12	10	7	16	10	29	9
Cerro Gordo	71	53	76	55	77	54	62	49	57	41	56	21
Cherokee	15	11	27	18	10	5	12	8	4	2	20	8
Chickasaw	12	6	15	8	13	7	10	7	18	9	34	12
Clarke	10	8	12	6	13	5	21	8	17	6	18	9
Clay	14	10	16	9	16	11	20	12	19	13	35	13
Clayton	18	12	23	15	23	15	14	10	26	12	36	10
Clinton	79	59	82	59	76	53	71	47	68	52	77	30
Crawford	21	12	27	21	15	10	18	12	17	5	40	17
Dallas	36	26	37	25	49	30	31	19	37	24	30	13
Davis	6	5	10	4	9	4	9	2	8	2	14	7
Decatur	12	7	13	4	7	4	13	5	15	7	14	2
Delaware	20	15	14	10	20	12	18	10	14	9	29	12
Des Moines	87	66	76	53	75	54	65	39	64	39	88	33
Dickinson	12	6	17	13	12	5	9	5	16	9	18	4
Dubuque	100	80	93	67	106	86	88	58	80	48	127	75
Emmet	19	7	16	11	14	11	11	8	15	7	21	11
Fayette	28	19	23	17	31	18	16	8	23	11	52	20
Floyd	25	18	28	19	25	17	22	13	18	16	27	7
Franklin	15	11	10	7	11	8	11	7	12	8	17	3
Fremont	16	12	11	10	18	14	16	9	11	6	12	3
Greene	17	9	9	5	15	10	12	9	17	11	24	11
Grundy	9	7	5	5	12	8	5	3	9	4	9	3
Guthrie	14	10	8	5	15	8	7	3	11	4	17	5
Hamilton	28	20	19	10	22	13	18	7	24	14	25	13
Hancock	15	10	12	7	10	9	12	8	9	4	22	9
Hardin	21	12	17	11	17	12	16	14	17	9	30	9
Harrison	21	10	22	9	18	8	13	6	25	15	32	11
Henry	25	20	30	19	28	16	31	15	21	13	20	5
Howard	8	7	6	2	8	5	9	5	12	4	18	8
Humboldt	13	7	10	5	4	1	11	8	6	5	14	6
Ida	5	4	9	5	12	6	2	1	11	6	9	2
Iowa	16	10	12	8	18	12	9	3	5	3	24	7
Jackson	19	16	30	23	24	16	23	15	22	12	49	18
Jasper	46	31	38	25	43	25	42	19	31	21	69	24

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1982, 1987-1997 (continued).

County	1991		1990		1989		1988		1987		1982	
	Teen Births	Teen Out-of-Wedlock Births										
Jefferson	14	9	16	8	18	14	13	12	5	3	26	11
Johnson	51	42	60	45	59	44	42	32	53	41	55	20
Jones	12	6	20	15	18	10	21	16	9	9	30	12
Keokuk	20	11	18	7	12	4	20	6	13	8	21	3
Kossuth	12	8	25	19	19	11	18	8	18	8	27	6
Lee	62	41	57	37	77	57	60	42	68	49	72	29
Linn	269	219	246	191	256	188	232	189	242	153	252	138
Louisa	20	16	16	9	18	8	17	12	22	13	24	8
Lucas	12	7	16	6	10	3	13	8	14	4	26	11
Lyon	5	0	8	2	12	5	11	3	9	3	14	3
Madison	12	5	12	4	18	9	16	6	11	3	20	4
Mahaska	35	20	29	13	37	17	37	19	25	16	36	12
Marion	32	17	33	22	35	19	33	20	34	14	46	16
Marshall	51	42	38	30	52	35	45	34	37	21	51	26
Mills	18	12	11	4	19	10	22	17	11	9	17	7
Mitchell	13	7	15	10	11	8	6	5	7	4	14	8
Monona	24	14	12	6	12	8	8	4	11	6	17	8
Monroe	15	11	16	11	8	6	11	3	13	8	14	1
Montgomery	20	11	13	9	21	12	18	13	7	3	21	6
Muscatine	85	55	89	51	84	50	82	42	72	31	116	45
O'Brien	11	7	17	10	14	6	11	8	12	6	34	4
Osceola	7	7	9	6	8	5	7	4	4	2	7	1
Page	27	16	26	17	38	22	18	10	18	10	26	11
Palo Alto	16	13	14	8	13	7	8	5	3	1	15	4
Plymouth	29	19	27	17	31	21	15	8	21	14	29	8
Pocahontas	6	3	8	5	4	3	4	3	5	3	7	2
Polk	608	502	577	462	634	481	570	430	561	388	579	313
Pottawattamie	184	140	191	128	152	106	162	115	150	102	207	109
Poweshiek	24	17	27	19	19	10	10	5	13	3	35	8
Ringgold	4	2	1	0	3	1	3	1	4	2	11	2
Sac	10	9	10	7	13	9	6	4	14	5	11	3
Scott	363	308	343	280	327	273	288	234	262	212	327	210
Shelby	6	3	9	7	12	6	9	7	10	5	22	8
Sioux	27	18	23	11	21	10	31	13	34	17	43	8
Story	42	25	48	21	35	17	44	20	37	18	70	21
Tama	28	25	21	13	26	22	14	11	21	13	32	16
Taylor	9	4	11	5	8	2	6	2	9	4	15	2
Union	21	12	14	7	19	10	10	5	13	8	21	10
Van Buren	9	4	13	9	6	1	9	3	8	2	13	3
Wapello	59	27	75	48	66	34	46	22	62	37	88	34
Warren	50	32	49	36	41	26	50	30	33	9	56	22
Washington	20	12	24	20	32	17	20	11	25	14	20	8
Wayne	11	4	9	6	7	3	16	6	7	2	13	5
Webster	66	52	63	45	78	58	70	50	70	49	91	51
Winnebago	7	3	11	10	23	14	11	8	10	5	18	6
Winneshiek	13	8	14	11	9	8	10	5	14	5	19	4
Woodbury	234	186	234	186	203	148	199	163	202	156	231	123
Worth	8	7	10	7	9	5	10	7	5	5	8	4
Wright	19	12	16	13	21	11	10	9	14	8	25	10
State of Iowa	4081	3036	4013	2847	4017	2786	3540	2428	3507	2237	4767	2131

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties, 1987 and 1997.

County	1997 Births Minus 1987 Births		% of Births Out of Wedlock		1997 Teen Births Minus 1987 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	1997	1987	Total	Out of Wedlock	1997	1987	1997	1987	1997	1987
Adair	-50	6	19.7	5.4	1	2	45.5	30.0	18.0	9.0	41.7	50.0
Adair	-26	9	26.5	9.6	-5	-1	100.0	50.0	4.4	8.5	16.7	44.4
Adams	-30	2	24.2	9.5	0	1	71.4	57.1	21.2	11.1	62.5	66.7
Allamakee	-37	-6	20.6	19.8	-10	-5	76.9	65.2	7.9	11.4	29.4	37.5
Appanoose	-21	22	32.6	14.8	-5	5	89.5	50.0	13.5	14.8	37.0	50.0
Audubon	-13	5	14.6	7.4	3	2	55.6	50.0	11.0	6.3	41.7	42.9
Benton	-2	9	13.5	10.2	-12	-5	56.3	50.0	5.7	9.9	23.7	48.3
Black Hawk	-35	164	36.1	25.2	-2	22	87.6	75.4	12.2	12.0	29.5	35.9
Boone	-29	29	22.8	11.6	8	16	96.0	47.1	8.7	5.3	36.4	21.6
Bremer	-23	10	15.1	9.5	-4	2	78.6	50.0	6.4	7.4	33.3	39.1
Buchanan	-41	25	23.6	12.9	1	9	80.8	48.0	9.2	7.7	31.3	28.6
Buena Vista	-4	32	23.9	11.4	21	17	76.5	69.2	13.1	4.9	41.9	30.0
Butler	-19	9	17.5	10.6	3	2	61.5	60.0	8.1	5.6	28.6	31.6
Calhoun	-48	2	18.6	11.0	2	3	88.9	71.4	9.3	4.8	44.4	31.3
Carroll	-100	14	20.6	10.4	-3	3	100.0	71.4	7.6	6.2	36.7	42.9
Cass	-3	22	23.8	9.8	9	9	64.7	25.0	10.6	4.9	28.9	12.5
Cedar	9	6	16.7	14.3	-6	-1	90.0	62.5	5.1	8.5	27.3	37.0
Cerro Gordo	-100	35	31.4	20.8	-13	0	93.2	71.9	8.4	9.1	24.8	31.5
Cherokee	-24	18	24.6	10.2	14	10	66.7	50.0	12.7	2.4	34.3	11.8
Chickasaw	3	12	18.5	11.0	-9	-3	66.7	50.0	5.7	11.7	20.7	52.9
Clarke	-31	9	28.9	13.2	-1	7	81.3	35.3	19.3	14.9	54.2	40.0
Clay	-40	13	24.9	15.2	-1	4	94.4	68.4	9.1	8.0	34.7	36.1
Clayton	-55	26	25.1	9.2	-11	2	93.3	46.2	7.7	10.4	28.6	52.2
Clinton	-60	84	33.1	18.0	18	22	86.0	76.5	13.7	9.9	35.6	41.9
Crawford	-66	36	28.4	8.7	0	9	82.4	29.4	8.1	6.1	23.3	20.8
Dallas	59	50	23.0	14.4	9	12	78.3	64.9	9.5	8.7	32.4	39.3
Davis	9	12	17.6	8.2	5	5	53.8	25.0	10.9	7.3	33.3	22.2
Decatur	-12	20	36.7	14.5	10	9	64.0	46.7	25.5	13.6	44.4	43.8
Delaware	-76	17	23.6	11.3	10	12	87.5	64.3	11.5	4.9	42.9	28.1
Des Moines	9	93	35.3	18.7	14	28	85.9	60.9	14.2	11.9	34.5	38.6
Dickinson	-6	14	26.0	17.1	-4	2	91.7	56.3	7.1	9.1	25.0	30.0
Dubuque	-110	120	25.0	13.2	12	33	88.0	60.0	8.0	6.4	28.3	28.9
Emmet	-26	17	28.8	11.8	7	8	68.2	46.7	18.6	10.4	44.1	41.2
Fayette	-3	46	26.5	8.7	6	13	82.8	47.8	11.2	8.7	34.8	47.8
Floyd	1	27	28.2	15.4	9	6	81.5	88.9	12.9	8.7	37.3	50.0
Franklin	-9	12	23.1	12.9	5	6	82.4	66.7	13.1	8.6	46.7	44.4
Fremont	-9	9	24.5	13.6	-1	2	80.0	54.5	10.6	10.7	34.8	42.9
Greene	-28	8	24.5	13.8	-3	-4	50.0	64.7	12.7	12.3	25.9	57.9
Grundy	7	6	12.5	8.3	-1	3	87.5	44.4	6.3	7.4	43.8	40.0
Guthrie	23	20	26.0	12.5	3	6	71.4	36.4	11.0	10.6	30.3	30.8
Hamilton	12	33	27.1	12.1	3	9	85.2	58.3	12.9	12.1	40.4	58.3
Hancock	-38	9	21.3	10.9	2	3	63.6	44.4	8.7	5.5	25.9	22.2
Hardin	-29	25	23.8	9.2	6	8	73.9	52.9	12.2	7.8	37.8	45.0
Harrison	-46	3	20.1	14.7	-7	-3	66.7	60.0	10.1	11.1	33.3	45.5
Henry	5	36	27.8	13.1	10	13	83.9	61.9	12.9	8.9	38.8	41.9
Howard	-22	8	14.5	6.8	-1	5	81.8	33.3	8.9	8.2	50.0	40.0
Humboldt	-10	11	19.5	10.1	6	5	83.3	83.3	9.4	4.3	40.0	35.7
Ida	-13	5	14.1	8.0	-3	-1	62.5	54.5	8.1	9.8	35.7	66.7
Iowa	-23	11	14.7	6.7	2	3	85.7	60.0	4.5	2.8	26.1	25.0
Jackson	-48	32	25.2	10.0	5	7	70.4	54.5	11.2	7.6	31.1	41.4
Jasper	-2	35	21.8	13.7	12	13	79.1	67.7	9.9	7.1	35.8	35.0

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties, 1987 and 1997 (cont.).

County	1997 Births Minus 1987 Births		% of Births Out of Wedlock		1997 Teen Births Minus 1987 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	1997	1987	Total	Out of Wedlock	1997	1987	1997	1987	1997	1987
Jefferson	-17	21	21.1	7.3	17	13	72.7	60.0	13.7	2.8	47.1	23.1
Johnson	-11	84	16.9	10.2	5	8	84.5	77.4	4.6	4.1	22.8	31.3
Jones	-3	28	26.3	13.0	18	15	88.9	100.0	12.7	4.2	42.9	32.1
Keokuk	-20	7	20.5	12.9	2	3	73.3	61.5	11.8	8.8	42.3	42.1
Kossuth	-75	22	22.4	6.8	-1	4	70.6	44.4	9.8	7.2	30.8	47.1
Lee	-98	48	39.5	23.5	7	17	88.0	72.1	16.8	12.5	37.5	38.3
Linn	211	243	24.6	16.5	-19	39	86.1	63.2	8.6	10.2	30.2	39.0
Louisa	23	21	25.8	16.8	4	8	80.8	59.1	13.7	13.2	42.9	46.4
Lucas	-6	12	23.2	9.9	-8	2	100.0	28.6	6.3	13.9	27.3	40.0
Lyon	-39	10	13.9	5.1	3	7	83.3	33.3	8.8	5.1	52.6	33.3
Madison	31	16	17.8	10.1	1	7	83.3	27.3	7.1	8.0	33.3	21.4
Mahaska	-38	2	21.7	18.2	2	4	74.1	64.0	10.5	8.4	35.7	29.6
Marion	-72	13	15.0	9.1	-3	1	48.4	41.2	9.3	8.4	30.0	37.8
Marshall	17	69	29.7	15.6	33	25	65.7	56.8	14.8	8.1	32.9	29.6
Mills	-14	6	20.8	15.6	-4	-3	85.7	81.8	4.4	6.4	18.2	33.3
Mitchell	0	13	15.0	5.3	4	2	54.5	57.1	8.3	5.3	30.0	57.1
Monona	-1	1	20.2	19.1	1	4	83.3	54.5	11.0	10.0	45.5	28.6
Monroe	-12	6	25.3	16.8	-2	2	90.9	61.5	11.6	12.1	41.7	44.4
Montgomery	-41	29	36.6	7.8	6	8	84.6	42.9	11.6	4.6	26.8	25.0
Muscatine	10	74	30.4	17.7	22	39	74.5	43.1	16.5	12.9	40.5	31.3
O'Brien	8	20	16.1	6.0	5	6	70.6	50.0	8.9	6.5	38.7	54.5
Osceola	-7	5	15.0	8.0	3	3	71.4	50.0	8.8	4.6	41.7	28.6
Page	-18	14	24.0	14.3	-3	-3	46.7	55.6	8.8	9.5	17.1	37.0
Palo Alto	0	23	25.4	6.6	8	9	90.9	33.3	9.0	2.5	32.3	12.5
Plymouth	-25	31	20.1	9.9	5	7	80.8	66.7	7.9	5.9	31.8	40.0
Pocahontas	-32	11	23.4	6.4	5	5	80.0	60.0	13.0	4.6	44.4	42.9
Polk	698	430	26.6	21.8	-2	67	81.4	69.2	9.8	11.2	30.0	35.8
Pottawattamie	-67	129	36.3	24.0	24	50	87.4	68.0	14.7	12.0	35.3	33.9
Poweshiek	5	13	19.8	13.4	11	17	83.3	23.1	12.5	7.0	52.6	12.0
Ringgold	5	6	16.9	8.3	4	2	50.0	50.0	12.3	6.7	36.4	40.0
Sac	-19	23	27.7	8.7	3	11	94.1	35.7	13.1	9.4	44.4	38.5
Scott	-117	194	35.4	25.1	22	43	89.8	80.9	13.1	11.4	33.2	36.9
Shelby	-32	21	21.4	5.2	1	4	81.8	50.0	7.9	5.8	30.0	55.6
Sioux	-44	15	9.9	5.7	-1	1	54.5	50.0	8.0	7.4	43.9	65.4
Story	-87	21	11.1	7.8	11	15	68.8	48.6	5.7	4.0	35.1	24.7
Tama	15	38	30.2	15.9	20	16	70.7	61.9	16.5	9.0	38.7	35.1
Taylor	-7	9	24.1	11.6	2	1	45.5	44.4	13.9	10.5	26.3	40.0
Union	-16	1	22.8	19.7	-3	-1	70.0	61.5	7.4	8.6	22.6	26.7
Van Buren	-24	9	24.1	9.7	7	8	66.7	25.0	19.0	7.8	52.6	20.0
Wapello	-30	32	30.3	21.1	0	4	66.1	59.7	14.9	13.9	32.5	39.4
Warren	26	63	18.9	7.0	11	23	72.7	27.3	8.6	6.8	33.0	26.5
Washington	-44	7	15.4	10.7	-7	2	88.9	56.0	7.1	8.4	41.0	43.8
Wayne	-18	0	10.5	8.0	2	2	44.4	28.6	15.8	9.3	66.7	33.3
Webster	-75	82	36.2	17.8	5	17	88.0	70.0	14.4	11.8	35.1	46.2
Winnebago	-17	19	24.4	9.2	8	9	77.8	50.0	13.3	6.6	42.4	35.7
Winneshiek	-69	19	15.5	4.5	-2	6	91.7	35.7	6.0	5.2	35.5	41.7
Woodbury	149	204	36.3	26.5	72	56	77.4	77.2	16.2	13.1	34.6	38.1
Worth	-23	9	28.0	12.2	5	3	80.0	100.0	13.3	5.1	38.1	41.7
Wright	-25	12	19.7	10.2	-2	3	91.7	57.1	7.9	7.9	36.7	44.4
State of Iowa	-1225	3451	26.2	16.2	415	924	80.6	63.8	10.7	9.3	33.0	36.4

births in the counties ranged from 9.9 percent in Sioux to 39.5 percent in Lee County. Twenty-eight other counties ranged from 10.0 percent through 19.9 percent. In Black Hawk, Clinton, Decatur, Des Moines, Lee, Montgomery, Pottawattamie, Scott, Webster, and Woodbury, at least one of every three (33%) of the 1997 births occurred out of wedlock (Figure 2).

For Iowa, the percentage of births out of wedlock increased each year from 1987 to 1996; it dropped a tenth of a point in 1997. Fifty-five counties had percentages 10 or more points higher in 1997 than in 1987.

Births to Teens

Births to Iowa teens, which include mothers 19 and younger, numbered 3,922 in 1997 (Table 2). Increases occurred from 1987 through 1989 and between four more years since then. Teen births in 1997, while more than 400 higher than the number recorded in 1987, were 174 fewer than in 1996. This was the largest year-to-year decline in the period examined. For counties, births to teens in 1997 ranged from 3 in Adair to 559 in Polk. Fifty-eight counties had fewer than 20 births to teens. In each of the 11 years from 1987 through 1997, Polk had the highest number of teen births, with Scott the second highest. From 1987 through 1997, the county with the lowest number of births to teens recorded six or fewer.

A third (33) of Iowa's 99 counties had fewer teen births in 1997 than in 1987 (Table 3); of the remaining 66 counties, three had the same numbers both years while 63 counties increased. Woodbury was the only county with at least 50 more teen births in 1997 than in 1987. The decline of 19 in Linn was the largest drop. Seventy-four counties reported changes of less than 10 in either direction.

Out-of-Wedlock Births to Teens

Teen births out of wedlock numbered 3,161 in the state in 1997, a decrease from the record of 3,311 in 1996. Teen out-of-wedlock births increased annually from 1987 to 1993, decreased by 12 between 1993 and 1994, before increasing again in 1995 and 1996 (Table 2).

In 1987, teen out-of-wedlock births occurred disproportionately in the larger, urban counties. In that year, six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) had 46.0 percent of all teen births but 51.8 percent of the out-of-wedlock teen births. This changed by 1997; in that year, these six urban counties had 43.5 percent of all births to teens and 45.4 percent of the out-of-wedlock teen births. These 1997 percentages are quite similar, indicating that teens in both the most urban and other counties are opting for out-of-wedlock births at about the same rate.

Between 1987 and 1997, all the counties experienced years when the number of teen out-of-wedlock births increased and other years when the number decreased. Differences between 1987 and 1997 ranged from a decline of 5 in Allamakee and Benton to a gain of 67 in Polk, the only one greater than 60 (Table 3). Eleven counties had fewer teen out-of-wedlock births in 1997 than in 1987, Cerro Gordo had the same number in both years, and 87 counties showed an increase. For 71 of the counties, the change in either direction was less than 10 teen out-of-wedlock births.

The combination of fewer births to teens along with an increase in the number of teen out-of-wedlock births resulted in an increase from 1987 to 1997 in the proportion of teen births in Iowa that were out of wedlock (Table 3, Figure 1). In 1987, 2,237 of 3,507 teen births (63.8%) were out of wedlock. By 1997, 3,161 of 3,922 teen births—more than four of every five (80.6%)—were out of wedlock. In 1982, 44.7 percent of the births to teens took place out of wedlock.

For the counties in 1997, the percentage of teen births that were out of wedlock ranged from less than 50 percent in four counties to 90 percent or more in 14 others (Figure 3). In 1987, half or more of the births to teens were out of wedlock in 69 counties. In 1997, 95 counties had at least half of their teen births out of wedlock. Six counties (Floyd, Greene, Jones, Mitchell, Page, Worth) had lower percentages of teen births out of wedlock in 1997 than in 1987.

Births to Teens Compared with Total Births

The proportion of the total births that were to teens in 1987 (9.3%) increased slightly to 10.7 percent in 1997 (Table 3). In 1997, the percentages of the total births that were to teens ranged from 4.4 in Adair and Mills to 25.5 in Decatur, the only county greater than 25.0 percent. Although there were year-to-year variations for all the counties, teen births, as a percentage of all births, were lower in 1997 than in 1987 for 22 counties.

Teens tended to have a much higher percentage of their births out of wedlock than the population overall. In most counties for both 1987 and 1997, the percentage of teen births that were out of wedlock was significantly higher than the percentage of all births that were out of wedlock (Table 3).

For the state, the number of teen out-of-wedlock births generally increased from 1987 to 1997. In that period, teen out-of-wedlock births increased 41.3 percent. In comparison, the total number of out-of-wedlock births increased slightly faster (56.2%) in the same years. Consequently, teen out-of-wedlock births, which were 36.4 percent of all out-of-wedlock births in 1987, were down to 33.0 percent of all out-of-wedlock births in 1997 (Table 3).

For the counties in 1997, teen out-of-wedlock births, as a proportion of all out-of-wedlock births, ranged from less than 25 percent in 9 counties to 50 percent or more in 7 others. Fifty-eight counties had a lower proportion of all out-of-wedlock births to teens in 1997 than in 1987 while 41 counties increased.

Figure 1. Percent of births out of wedlock in Iowa, 1980-1997.

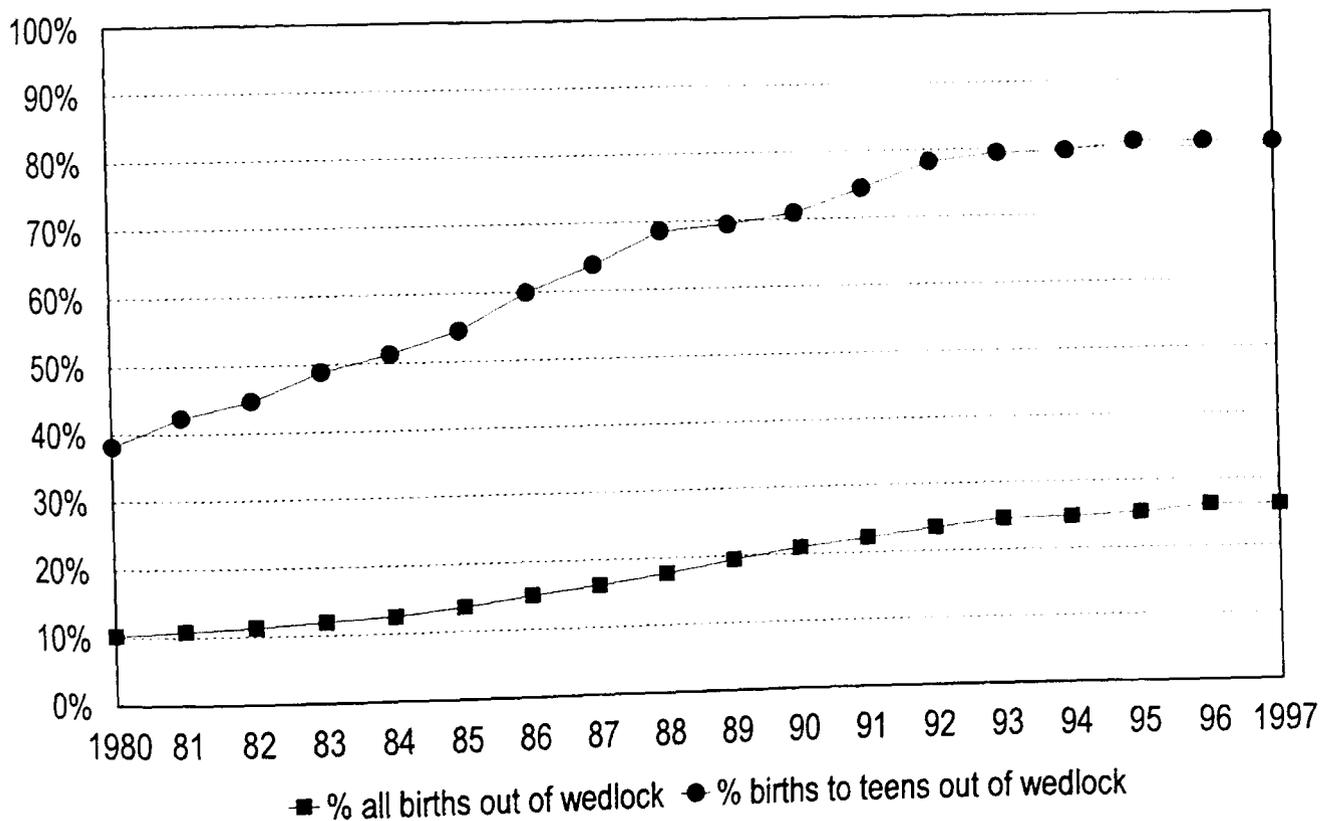


Figure 2. Percent of births out of wedlock, 1997.

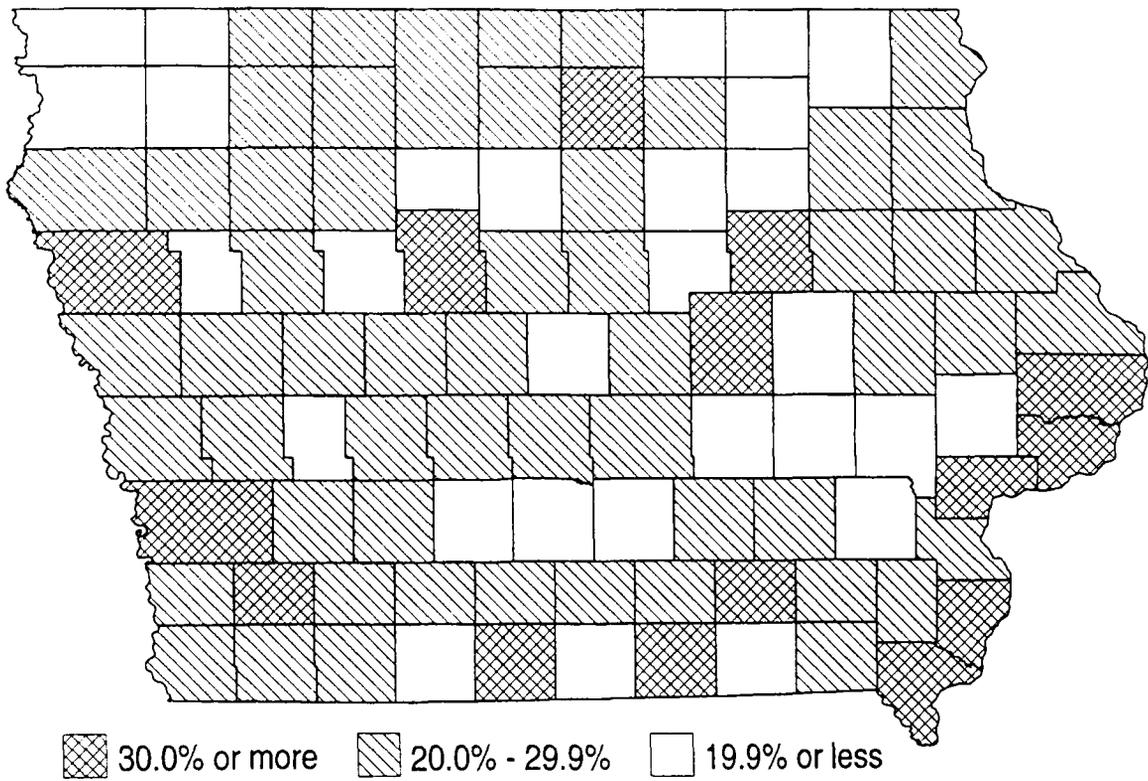
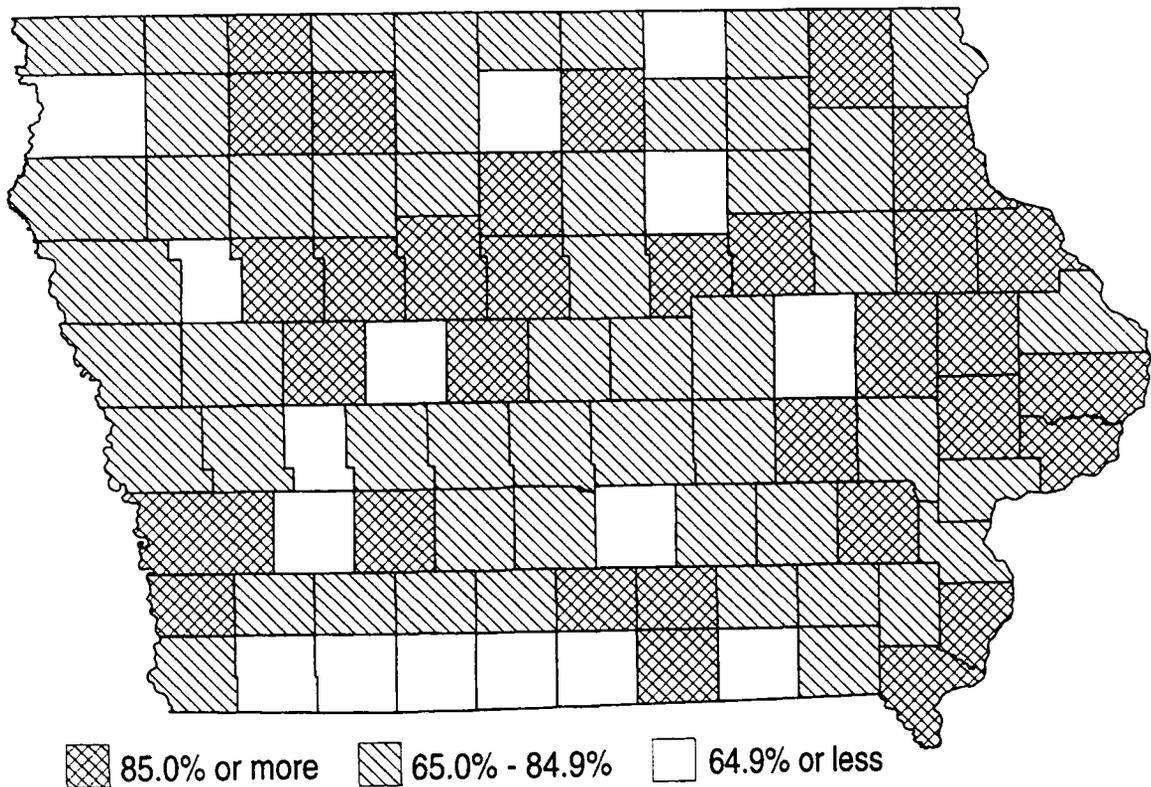


Figure 3. Percent of births to teenage women out of wedlock, 1997.



Infant Mortality in Iowa's Counties: 1980-1997

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In 1997, 229 infants died before they reached one year of age in the State of Iowa (Table 1), according to records kept by the Iowa Department of Public Health. That was the lowest number during the 1980-1997 period (Figure 1). Declines in the number of infant deaths occurred most years between 1980 and 1993, with decreases greater than 50 between 1980 and 1981, 1982 and 1983, and 1985 and 1986. Slight increases occurred from 1993 to 1995, but the downward trend resumed after that year. Deaths are reported for the county of residence of the deceased.

A total of 6,203 infants died during the 18 years from 1980 through 1997. Polk (959) had the highest number during this period. Eleven others (Black Hawk, Des Moines, Dubuque, Johnson, Linn, Muscatine, Pottawattamie, Scott, Story, Webster, Woodbury) each reported at least 100 infant deaths. These 12 counties accounted for more than half (3,499, 56.4%) of the deaths to infants from 1980 through 1997. Twenty-two counties had 17 or fewer infant deaths during these 18 years, or an average of less than one per year. Fifty-three of the 99 counties counted more than 17 but fewer than 50 infant deaths.

Infant mortality rates are reported as the number of deaths to infants under one year of age for every 1,000 live births (infant deaths divided by live births, with the result multiplied by 1,000). For the entire 18-year period, the infant mortality rate was 8.6 (or 8.6 infant deaths for every 1,000 live births) (Table 2). In 1980, the rate was 11.8; substantial declines occurred through the 1980s and early 1990s, resulting in the rate of 6.2 for 1997 being the lowest in the period (Figure 2).

Nearly a third (32) of Iowa's 99 counties had infant mortality rates exceeding the state figure of 8.6 for the 1980-1997 period. Nine counties reported rates of 10.0 or higher (Figure 3). Four (Emmet, Taylor, Van Buren, Woodbury) had rates of at least 11.0; these were the only counties with rates more than 2 points above that for the state. Twenty-four counties were more than 2 points below the state's rate. Osceola's rate was less than half that of the state.

When infant deaths and live births were accumulated for the years 1982 through 1987, the infant mortality rate was 9.2; the rate declined to 8.4 for the 1987-1991 period, and it was 7.3 when the data were tallied for 1992 through 1997. Twenty-nine counties matched the state's pattern of declining mortality rates across the three subperiods (1982-1987, 1987-1991, 1992-1997) (Table 2). But nine others had rates that increased through the three sets of years. Rather large fluctuations occurred in some counties, primarily because of the small numbers of infant deaths or live births even when data for five years were summed. That suggests that great caution should be taken in drawing conclusions from a single year of infant mortality figures in any county.

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

Table 1. Infant Mortality in Iowa's Counties, 1980-1997.

County	1980-																	1997	
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981		1980
Adair	0	0	1	1	0	1	1	0	0	0	1	0	1	0	0	1	0	1	8
Adams	0	1	1	0	0	1	0	0	1	1	0	1	0	2	1	0	1	0	10
Allamakee	2	1	2	1	3	0	1	0	2	0	1	0	4	0	1	1	2	5	26
Appanoose	2	1	2	2	2	0	3	3	0	1	3	0	1	4	2	0	1	2	29
Audubon	0	0	0	1	0	1	2	1	1	0	2	0	0	3	0	3	2	0	16
Benton	3	0	4	1	4	4	1	0	1	5	1	2	1	2	2	1	5	2	39
Black Hawk	15	9	8	10	22	14	13	17	14	17	15	11	9	18	21	35	26	34	308
Boone	1	1	1	5	1	4	2	0	2	4	3	3	4	4	4	3	5	4	51
Bremer	0	1	0	2	2	1	0	0	2	1	0	5	0	4	0	1	5	4	28
Buchanan	1	2	5	4	1	2	0	1	2	4	3	1	4	4	6	3	6	6	55
Buena Vista	2	1	1	1	0	0	0	0	2	2	4	1	0	3	2	5	2	3	29
Butler	0	0	1	1	1	1	1	1	0	0	2	1	2	2	1	2	4	2	22
Calhoun	0	0	1	0	1	0	1	0	2	0	0	3	2	3	2	0	3	2	20
Carroll	2	2	2	3	2	0	0	2	1	2	3	2	1	3	1	5	1	3	35
Cass	1	0	0	2	0	1	1	1	4	0	1	2	3	4	3	2	3	3	31
Cedar	1	2	1	1	3	0	3	3	2	0	2	2	1	2	2	1	5	3	34
Cerro Gordo	6	3	2	2	6	7	2	6	0	3	4	10	4	11	2	5	6	12	91
Cherokee	1	0	0	0	0	1	0	5	2	2	0	1	1	1	3	2	1	3	23
Chickasaw	1	0	3	0	1	1	1	0	1	0	3	0	3	1	3	2	1	4	25
Clarke	0	0	1	0	0	0	1	0	0	3	0	1	0	2	1	4	2	0	15
Clay	1	1	2	0	0	1	2	0	2	0	7	2	1	3	2	3	3	5	35
Clayton	0	2	3	1	1	2	3	0	3	3	2	1	3	3	2	1	2	5	37
Clinton	3	3	5	5	8	3	3	7	3	3	4	5	8	3	2	8	7	8	88
Crawford	2	1	2	3	1	0	0	1	1	1	1	6	3	1	6	4	7	2	42
Dallas	3	4	6	2	2	2	4	1	5	3	7	5	3	5	5	4	0	3	64
Davis	0	1	0	0	1	0	1	0	0	1	0	1	3	0	0	0	2	1	11
Decatur	0	1	0	3	1	2	0	0	0	1	0	0	0	0	1	0	1	2	12
Delaware	1	0	1	0	1	0	1	2	1	4	4	5	1	1	3	2	8	4	39
Des Moines	2	4	3	3	3	6	2	6	1	7	6	5	9	11	4	6	9	13	100
Dickinson	0	0	0	2	2	4	0	1	2	0	1	2	2	2	1	1	1	3	24
Dubuque	3	7	12	7	2	6	8	16	6	11	7	11	10	10	13	16	10	18	173
Emmet	0	1	1	0	0	1	0	1	2	1	1	3	2	0	4	5	3	7	32
Fayette	2	2	2	1	1	2	3	1	2	4	1	3	2	1	2	4	9	3	45
Floyd	2	0	1	0	1	2	0	0	0	0	1	0	6	5	2	0	2	2	24
Franklin	0	1	1	0	1	1	2	1	1	3	0	1	0	1	0	4	3	3	23
Fremont	1	0	1	1	0	2	0	0	2	0	1	2	1	0	1	1	1	0	14
Greene	1	1	1	0	1	0	1	1	0	2	0	1	0	1	0	2	4	1	17
Grundy	1	0	1	2	0	1	1	1	0	1	1	0	1	1	3	0	3	0	17
Guthrie	0	0	1	2	0	0	2	0	2	0	0	1	1	2	2	2	0	2	17
Hamilton	1	1	1	2	1	3	1	3	3	0	2	2	0	2	0	3	1	4	30
Hancock	0	0	0	3	0	1	0	2	2	0	0	1	1	0	4	2	3	9	28
Hardin	1	1	0	3	0	0	2	2	1	0	2	3	3	4	0	4	1	0	27
Harrison	2	1	1	0	1	0	1	1	0	0	1	2	5	1	1	2	0	3	22
Henry	3	3	1	2	4	0	2	0	3	2	2	1	3	0	2	1	1	9	39
Howard	0	0	0	0	1	0	0	1	0	1	0	2	1	1	2	1	0	3	13
Humboldt	0	0	1	1	0	0	1	2	1	1	4	0	1	4	0	0	0	1	17
Ida	0	3	1	3	2	1	1	0	2	0	1	0	1	1	1	2	0	1	20
Iowa	1	2	1	1	0	0	1	0	5	4	3	2	1	1	4	2	4	5	32
Jackson	0	0	4	1	2	3	2	1	4	5	1	3	4	2	1	2	4	5	44
Jasper	5	1	2	4	5	3	4	0	3	3	5	5	6	5	3	4	3	4	65

Table 1. Infant Mortality in Iowa's Counties, 1980-1997 (continued).

County	1980-																	1997	
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981		1980
Jefferson	0	2	2	0	3	3	2	3	1	0	0	0	1	5	0	1	3	1	27
Johnson	10	9	11	13	3	11	12	13	14	11	9	7	15	10	16	17	13	17	211
Jones	0	4	4	0	1	0	0	4	0	1	3	2	2	1	0	2	2	2	28
Keokuk	0	0	0	1	0	1	2	1	0	3	0	3	3	4	1	2	1	1	23
Kossuth	3	0	3	2	0	2	1	4	0	2	1	1	4	1	4	3	1	5	37
Lee	3	4	6	6	3	3	8	2	4	3	9	6	3	5	6	11	7	9	98
Linn	15	23	22	18	19	20	14	26	19	27	19	25	24	17	27	44	22	45	426
Louisa	2	1	1	0	2	0	1	4	2	2	1	3	0	2	2	3	1	2	29
Lucas	0	1	0	1	0	1	1	0	3	0	1	0	1	1	0	1	0	0	11
Lyon	1	0	0	0	2	3	1	1	0	0	0	2	0	1	4	2	1	0	18
Madison	1	2	0	0	0	0	2	1	0	0	1	1	1	1	1	1	0	3	15
Mahaska	0	2	0	0	1	2	3	1	3	2	4	1	2	3	3	3	4	1	35
Marion	3	2	2	2	2	5	4	1	4	3	3	5	3	0	5	3	4	2	53
Marshall	2	7	5	4	4	0	5	4	2	3	5	6	8	2	4	10	4	7	82
Mills	0	1	2	1	2	0	0	0	0	2	3	1	1	2	0	2	3	1	21
Mitchell	2	3	2	0	1	4	1	1	1	0	1	1	1	1	2	0	4	2	27
Monona	0	0	0	1	2	0	1	1	0	0	1	1	0	2	0	0	0	1	10
Monroe	1	0	1	1	0	0	0	0	1	2	3	1	0	1	1	1	2	2	17
Montgomery	2	1	1	1	2	1	3	1	1	5	0	0	1	1	0	0	1	4	25
Muscatine	0	1	3	11	3	10	11	2	6	6	5	8	4	3	7	11	12	7	110
O'Brien	2	2	4	0	2	2	3	2	1	0	1	1	1	0	1	4	1	4	31
Osceola	1	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	7
Page	3	4	3	0	4	2	1	0	1	6	1	0	1	2	5	1	1	4	39
Palo Alto	0	1	2	3	2	1	1	1	0	0	0	2	0	3	3	1	4	1	25
Plymouth	0	2	2	1	3	4	3	2	2	1	4	1	1	6	2	6	3	3	46
Pocahontas	0	1	0	1	0	0	0	0	0	1	1	0	2	1	1	1	2	0	11
Polk	35	39	57	42	48	52	66	57	59	51	60	46	70	50	52	44	59	72	959
Pottawattamie	9	11	16	7	7	13	14	5	11	7	18	12	22	12	16	25	21	18	244
Poweshiek	0	2	2	2	1	0	0	0	3	1	1	3	1	1	0	4	4	6	31
Ringgold	0	0	0	0	0	0	2	0	0	1	2	0	1	1	1	0	0	0	8
Sac	0	0	2	1	0	1	0	1	2	2	1	1	1	1	3	1	3	2	22
Scott	12	17	18	18	12	23	14	27	24	22	17	26	17	25	24	25	29	41	391
Shelby	1	3	1	1	0	2	2	3	3	2	0	0	1	0	1	0	2	4	26
Sioux	3	2	6	2	2	4	5	2	3	2	3	2	6	4	7	3	3	2	61
Story	5	3	3	4	6	5	11	10	3	5	7	7	11	8	8	5	8	9	118
Tama	4	2	1	0	1	2	0	2	0	2	0	1	3	1	2	2	2	5	30
Taylor	1	2	0	1	0	0	1	0	5	1	0	0	2	0	1	2	0	2	18
Union	0	3	3	0	0	1	2	1	1	1	0	1	0	0	0	1	0	0	14
Van Buren	2	1	1	1	1	1	2	1	1	1	0	0	2	2	1	1	4	0	22
Wapello	5	3	1	4	3	5	3	4	6	3	7	4	5	7	7	0	5	8	80
Warren	3	9	4	5	4	4	6	0	1	5	5	4	4	5	2	1	4	3	69
Washington	3	2	2	1	1	4	1	1	4	3	0	1	3	5	3	3	1	2	40
Wayne	0	0	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	2	9
Webster	4	3	3	4	4	5	5	5	5	7	7	5	7	9	4	10	6	12	105
Winnebago	2	0	1	0	3	1	1	0	1	0	1	5	1	1	3	3	0	0	23
Winneshiek	1	1	0	0	0	2	0	2	0	4	1	1	3	5	2	0	3	4	29
Woodbury	15	13	11	21	13	19	14	26	27	22	21	9	24	17	21	24	30	27	354
Worth	0	2	0	0	0	1	0	0	0	0	1	0	1	1	0	3	2	1	12
Wright	0	1	1	2	3	2	1	3	1	2	1	0	2	1	2	3	4	1	30
State of Iowa	229	259	300	273	261	307	312	317	321	330	343	327	389	376	385	453	456	565	6203

Table 2. Infant Mortality Rates Per 1,000 Live Births in Iowa's Counties for Selected Periods from 1980 through 1997.

County	1980- 1997	1992- 1997	1987- 1991	1982- 1987	County	1980- 1997	1992- 1997	1987- 1991	1982- 1987
Adair	4.3	6.2	4.2	4.3	Jefferson	7.7	9.8	6.2	5.5
Adams	9.0	11.0	6.0	9.8	Johnson	9.0	7.3	8.8	9.6
Allamakee	7.2	8.8	4.1	5.4	Jones	6.2	6.6	6.7	6.5
Appanoose	9.1	9.5	12.0	9.0	Keokuk	8.0	2.4	7.6	13.3
Audubon	9.3	4.4	14.1	12.0	Kossuth	8.1	8.9	6.6	7.9
Benton	7.0	9.2	5.3	5.0	Lee	10.1	8.6	10.3	11.6
Black Hawk	9.4	8.0	9.1	9.3	Linn	9.3	7.6	8.3	10.5
Boone	8.7	7.3	6.8	10.6	Louisa	9.8	5.9	13.0	11.4
Bremer	5.5	4.1	2.5	5.6	Lucas	5.2	4.5	9.4	5.4
Buchanan	9.0	8.5	6.3	9.5	Lyon	5.6	6.5	2.3	7.9
Buena Vista	5.8	3.4	5.8	8.4	Madison	5.3	3.1	5.1	6.6
Butler	6.2	4.1	4.5	7.4	Mahaska	6.4	3.1	8.7	8.2
Calhoun	8.2	3.1	4.8	10.5	Marion	7.4	7.0	7.9	7.6
Carroll	5.9	7.0	5.2	6.6	Marshall	8.5	7.2	7.9	10.4
Cass	8.7	4.2	7.4	11.5	Mills	6.8	6.1	6.2	8.6
Cedar	8.5	6.7	9.5	7.1	Mitchell	10.3	14.7	5.9	6.6
Cerro Gordo	7.8	7.4	4.7	8.8	Monona	4.3	4.2	5.2	4.9
Cherokee	7.0	2.4	10.4	6.4	Monroe	8.8	5.1	11.6	10.4
Chickasaw	7.3	6.3	5.7	9.6	Montgomery	8.7	8.9	13.4	2.0
Clarke	7.8	1.9	7.2	11.6	Muscatine	9.4	7.5	9.4	9.7
Clay	7.7	4.0	9.0	10.8	O'Brien	8.1	10.5	7.7	5.8
Clayton	7.9	7.2	8.9	7.0	Osceola	3.9	6.2	2.0	3.1
Clinton	6.8	6.9	5.9	6.6	Page	10.6	15.3	9.0	7.8
Crawford	9.6	7.5	3.4	12.7	Palo Alto	9.8	14.0	3.3	9.0
Dallas	8.1	6.9	9.6	11.3	Plymouth	7.3	6.3	7.4	8.8
Davis	4.9	2.9	3.4	5.1	Pocahontas	5.2	4.1	3.4	7.0
Decatur	6.4	12.0	2.0	1.5	Polk	10.1	8.2	11.1	10.8
Delaware	7.5	2.1	8.6	8.4	Pottawattamie	10.5	9.0	8.5	12.9
Des Moines	9.3	6.4	7.8	11.1	Poweshiek	7.8	5.7	4.6	7.4
Dickinson	7.9	9.1	5.0	8.1	Ringgold	7.2	.0	18.8	11.2
Dubuque	7.5	5.2	7.8	8.5	Sac	7.6	4.8	8.4	7.9
Emmet	11.7	4.0	7.2	15.0	Scott	8.8	7.2	8.8	8.7
Fayette	8.1	6.2	7.7	6.6	Shelby	8.2	9.2	11.9	1.7
Floyd	6.0	5.0	.9	9.8	Sioux	7.1	7.8	6.7	8.0
Franklin	8.7	5.3	10.6	6.0	Story	7.0	5.1	7.9	7.6
Fremont	7.4	9.8	5.9	8.6	Tama	6.9	7.1	3.7	5.9
Greene	6.9	5.7	6.8	4.4	Taylor	11.3	8.8	17.8	8.5
Grundy	6.5	7.0	5.9	6.4	Union	4.8	8.0	6.6	2.0
Guthrie	7.1	3.9	6.8	10.2	Van Buren	11.9	12.9	9.9	9.3
Hamilton	7.7	7.6	8.7	6.7	Wapello	9.3	8.1	9.9	10.1
Hancock	9.2	5.2	4.9	6.8	Warren	7.7	9.9	6.8	7.2
Hardin	6.1	4.0	6.5	9.8	Washington	7.7	7.6	6.2	8.7
Harrison	6.0	4.6	3.0	9.1	Wayne	6.0	2.4	5.0	5.8
Henry	8.6	8.9	7.4	5.9	Webster	9.8	7.3	9.8	11.0
Howard	5.4	1.5	3.2	7.6	Winnebago	8.2	8.6	3.9	13.9
Humboldt	6.7	3.0	14.2	9.0	Winneshiiek	6.0	2.9	5.3	6.7
Ida	9.5	18.4	6.8	7.7	Woodbury	12.0	9.1	14.0	12.1
Iowa	8.6	4.2	12.8	10.6	Worth	6.5	5.7	2.0	8.9
Jackson	8.4	6.7	9.6	6.7	Wright	9.0	9.5	8.5	7.8
Jasper	7.9	7.7	6.7	10.2					
					State of Iowa	8.6	7.3	8.4	9.2

Figure 1. Infant mortality in Iowa, 1980-1997.

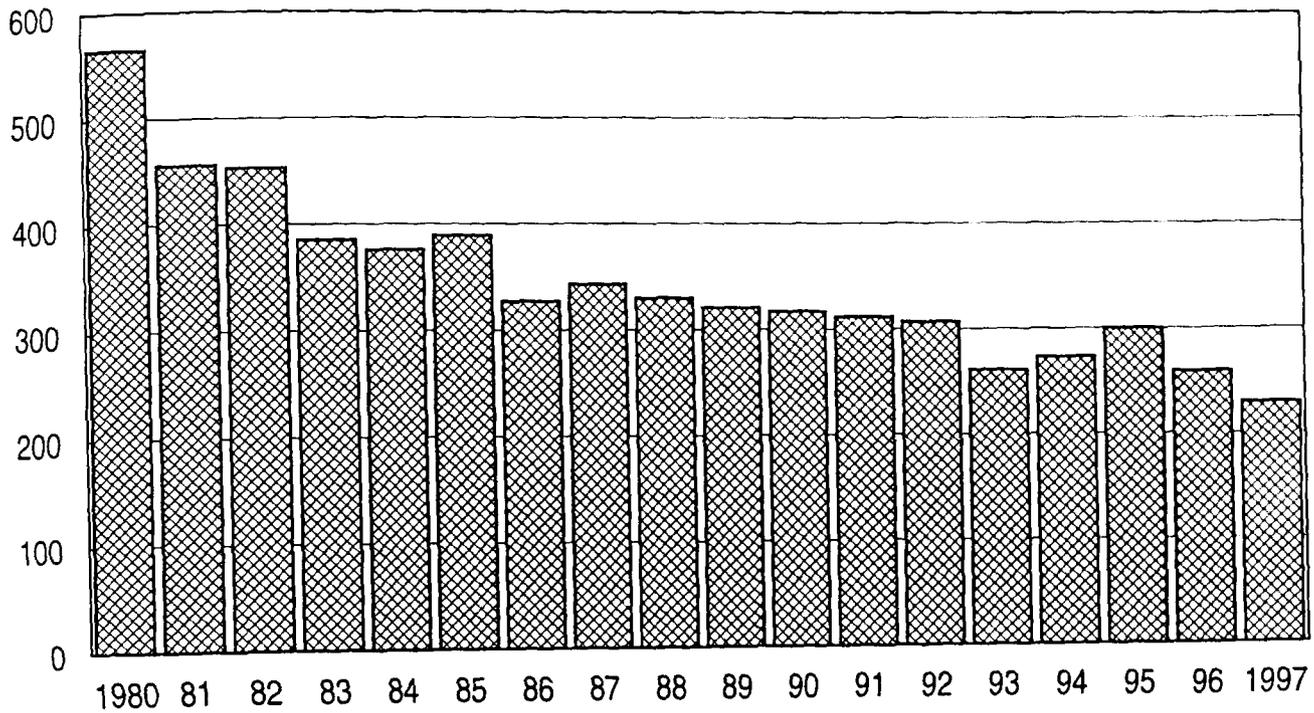


Figure 2. Infant mortality rate in Iowa, 1980-1997.

Infant Deaths Per 1,000 Live Births

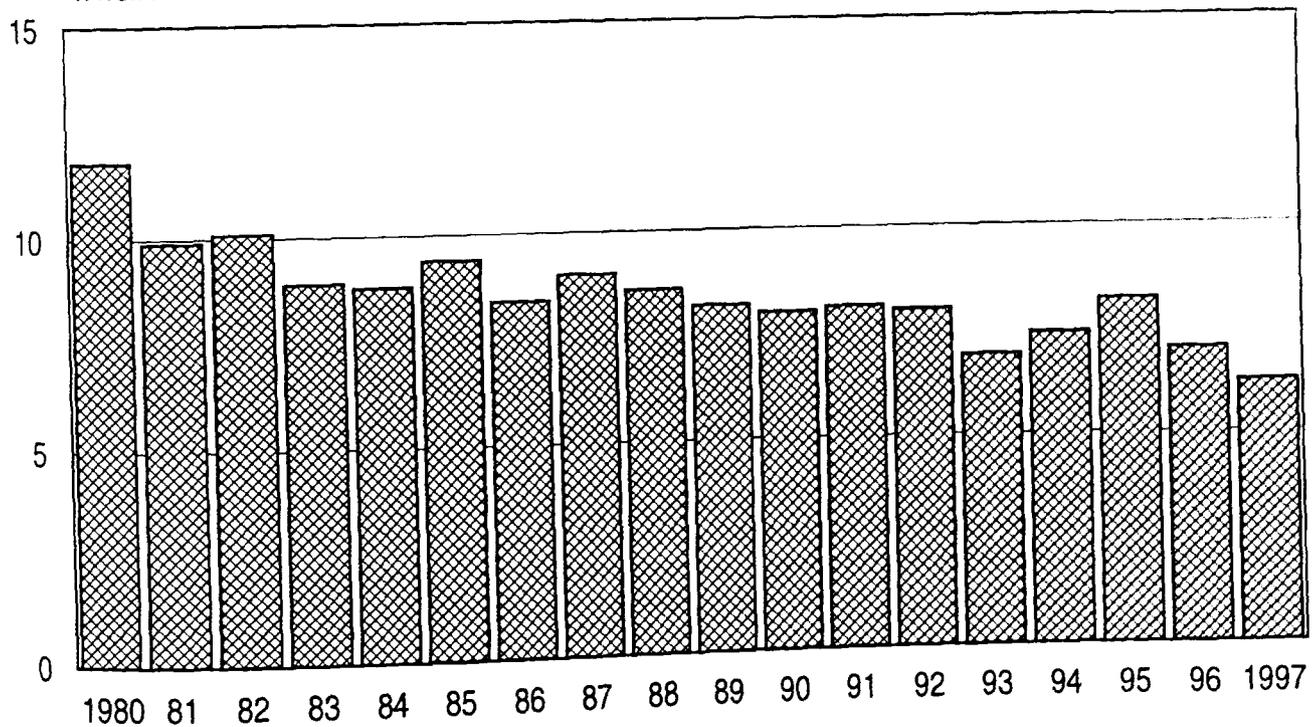
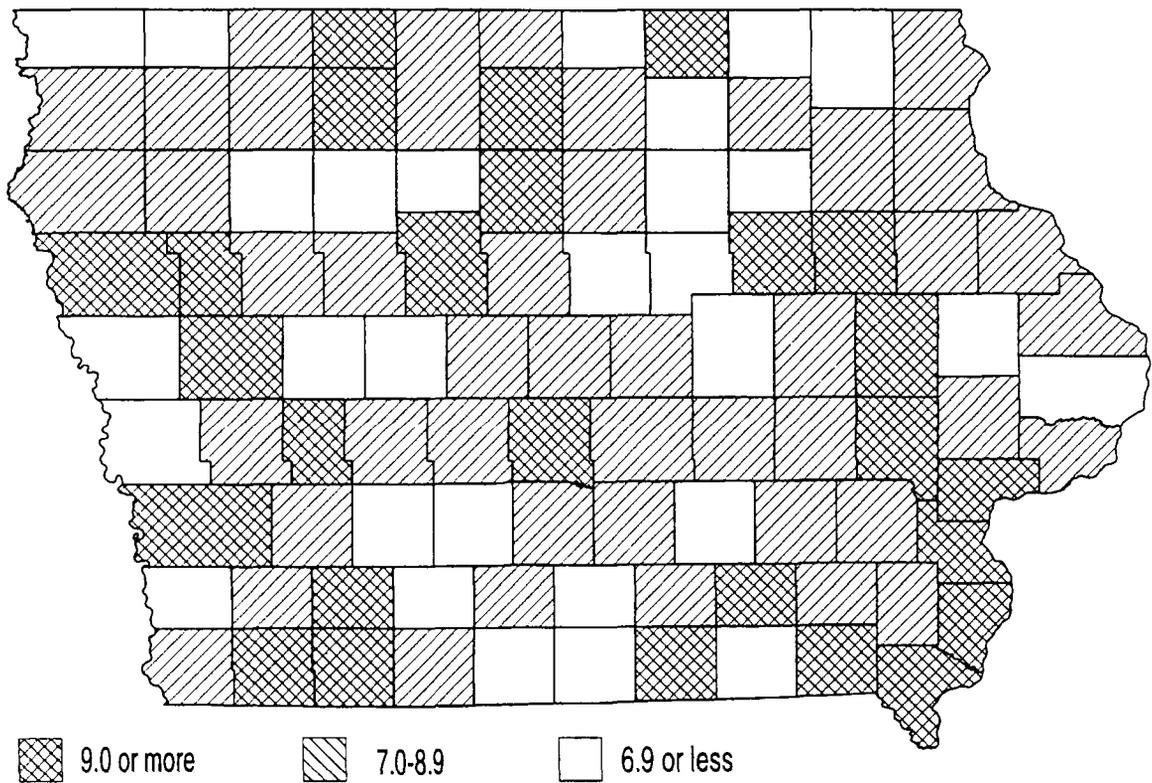


Figure 3. Infant mortality rate, 1980-1997 period.



Deaths Caused by Accident, Homicide, or Suicide (Total, Teens) in Iowa's Counties: 1980-1997

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

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 1997, the 27,014 deaths due to these four causes accounted for 5.5% of all deaths (492,135) 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 1997, 497 Iowans died in motor vehicle accidents (Table 1). From 1980 through 1997, only six years had lower totals than that reported in 1997. Deaths from motor vehicle accidents were substantially higher in 1980 and 1981, exceeding 650 both years (Figure 1).

Polk had more residents (48) die in motor vehicle accidents in 1997 than did any other county. The next highest counties were Black Hawk, Linn, Story, and Woodbury, the only others exceeding 15. Sixty-three of the counties had one to five while Adams, Clarke, Guthrie, Howard, O'Brien, Winnebago, and Winneshiek had no residents die in motor vehicle accidents in 1997.

A total of 9,402 Iowa residents died in motor vehicle accidents from 1980 through 1997. Of these, 826 were residents of Polk. Twenty other counties had at least 100 residents die in this manner between 1980 and 1997. Adams had 20 residents die in motor vehicle accidents during the 18-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 581 Iowans were due to these kinds of incidents in 1997 (Table 2). In 1980, 652 accidental deaths not involving motor vehicles occurred to Iowa residents, the highest during the period reviewed (Figure 1).

In 1997, Polk had the highest number (50) of deaths from accidents other than those involving motor vehicles, followed by Black Hawk, Linn, Scott and Woodbury each with at least 20. Five or fewer such deaths occurred in 65 counties in 1997; among these 65, no deaths from these kinds of accidents were reported for residents of Audubon, Delaware, Osceola, and Worth.

During the 1980-1997 period, accidents other than those involving motor vehicles claimed the lives of 10,514 Iowans. Polk's total was 1,223, nearly triple that of second place Linn (453). Twenty-four other counties recorded 100 or more such accidental deaths during the 18 years. Osceola (24) had the fewest of these accidental deaths during the period.

Deaths Due to Homicide

There were more homicides in Iowa in 1997 (71) than in 12 of the other 17 years reported (Table 3, Figure 1); the highest number was 80 in 1981. Seventy of Iowa's counties had no homicides in 1997

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Adair	2	3	5	0	5	2	2	3	1	1	0	2	0	2	1	0	2	3	34
Adams	0	3	1	1	2	1	2	0	1	4	1	0	1	0	1	1	1	0	20
Allamakee	3	5	2	1	4	7	3	4	6	1	9	3	1	6	7	7	5	9	83
Appanoose	2	2	5	5	5	2	0	5	4	6	4	4	1	5	0	0	5	3	58
Audubon	2	1	1	0	1	1	4	2	1	0	0	0	1	2	4	0	2	4	26
Benton	6	4	4	4	3	1	8	3	7	8	5	3	3	4	9	5	3	7	87
Black Hawk	21	17	20	23	19	24	16	19	16	17	13	13	18	13	16	19	24	29	337
Boone	7	5	5	9	1	6	1	3	3	2	6	1	5	2	2	6	7	3	74
Bremer	2	3	4	4	8	1	6	5	5	9	2	3	4	2	4	3	5	8	78
Buchanan	5	5	6	2	3	3	2	3	4	8	1	1	2	4	6	7	5	5	72
Buena Vista	4	3	2	4	3	6	4	3	4	8	2	3	2	5	3	6	5	6	73
Butler	2	0	1	4	4	4	3	2	3	6	6	5	1	3	2	2	2	5	55
Calhoun	1	3	2	1	0	3	3	2	10	4	3	2	5	3	3	2	2	7	56
Carroll	10	4	6	5	4	4	7	2	1	6	5	3	3	3	3	5	3	8	82
Cass	4	2	7	2	4	4	2	2	0	4	1	7	4	1	6	4	4	10	68
Cedar	6	4	5	4	3	2	7	2	3	9	4	2	7	4	0	5	8	5	80
Cerro Gordo	10	6	6	5	13	8	6	3	6	3	8	5	8	3	5	8	10	16	129
Cherokee	7	4	4	3	1	1	5	1	5	5	3	0	4	4	1	4	7	4	63
Chickasaw	2	2	4	2	2	3	6	1	1	5	2	3	1	5	1	2	2	6	50
Clarke	0	4	4	0	4	2	3	2	2	1	2	4	3	0	0	3	4	1	39
Clay	1	4	5	4	2	0	6	4	1	1	2	4	4	1	3	6	2	8	58
Clayton	2	5	10	8	9	4	6	2	13	3	1	8	3	5	5	6	10	11	111
Clinton	11	11	10	12	7	4	11	9	8	20	10	10	8	6	11	14	16	11	189
Crawford	7	6	7	6	5	2	5	2	2	4	7	4	10	2	9	2	6	6	92
Dallas	8	3	6	5	11	10	9	10	5	11	6	5	7	5	6	8	7	5	127
Davis	1	5	9	2	3	2	2	3	3	0	2	3	3	5	1	1	0	0	45
Decatur	5	3	1	1	3	1	3	1	1	1	0	1	2	3	2	8	4	2	42
Delaware	4	2	4	1	4	2	4	2	1	1	4	2	4	3	2	4	4	4	52
Des Moines	11	5	6	5	13	3	10	7	5	12	8	8	4	11	9	5	8	9	139
Dickinson	1	5	2	2	2	6	4	1	2	2	3	0	2	1	0	1	1	5	40
Dubuque	12	7	5	16	9	18	9	11	18	15	14	14	14	15	18	12	21	18	246
Emmet	2	3	5	1	1	2	5	0	3	3	4	1	8	3	2	0	5	4	52
Fayette	5	0	7	6	3	5	7	13	3	12	8	3	6	3	4	4	5	2	96
Floyd	6	2	2	6	4	3	3	2	5	4	4	1	3	2	5	8	6	7	73
Franklin	6	3	1	1	2	4	1	0	4	4	2	1	1	3	3	2	3	3	44
Fremont	5	2	2	3	3	0	1	2	2	2	5	4	4	3	2	2	4	3	49
Greene	2	1	5	5	0	2	0	4	2	9	1	0	0	1	2	1	5	8	48
Grundy	3	4	3	3	0	0	3	1	0	1	2	1	2	1	2	4	2	3	35
Guthrie	0	0	3	2	2	2	1	1	1	5	1	1	3	2	2	3	1	2	32
Hamilton	5	5	4	4	4	4	1	4	4	7	7	2	0	3	6	3	8	4	75
Hancock	2	3	2	3	4	0	2	5	2	2	2	4	1	3	3	1	1	2	42
Hardin	7	1	4	7	4	2	3	2	3	8	5	3	3	8	2	2	7	7	78
Harrison	3	4	4	6	4	12	7	6	6	5	2	4	2	5	4	6	1	8	89
Henry	1	3	5	3	7	2	11	2	7	1	2	7	0	3	1	5	6	4	70
Howard	0	2	1	1	1	4	1	2	4	2	3	3	1	5	1	1	5	2	39
Humboldt	3	4	3	3	2	3	1	1	4	1	3	3	2	2	4	0	5	2	46
Ida	2	0	5	1	4	5	0	2	1	2	7	1	5	2	3	0	1	0	41
Iowa	4	2	5	3	3	6	2	2	1	3	3	2	8	1	0	5	5	5	60
Jackson	4	8	6	4	4	4	8	7	3	8	11	8	7	4	7	10	8	7	118
Jasper	8	5	4	4	9	4	1	8	10	6	8	7	3	10	9	5	6	5	112

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Jefferson	4	9	8	0	2	2	6	5	2	3	5	2	2	4	5	1	4	5	69
Johnson	6	8	10	9	8	8	11	10	14	6	5	8	22	8	7	14	9	11	174
Jones	5	10	4	3	6	7	2	5	4	6	4	2	4	1	7	3	6	6	85
Keokuk	1	7	5	5	6	2	2	5	0	5	6	3	3	8	9	6	8	3	84
Kossuth	3	7	7	2	6	2	1	1	9	3	4	2	10	3	1	7	7	5	80
Lee	6	13	10	6	3	7	16	16	9	9	8	5	8	6	10	9	13	14	168
Linn	19	18	27	24	19	12	22	21	26	19	19	16	20	19	15	20	32	29	377
Louisa	3	4	5	6	3	3	1	4	5	3	0	3	0	2	3	3	2	2	52
Lucas	3	2	3	2	0	5	2	6	2	0	3	2	3	3	3	2	4	1	46
Lyon	2	4	2	2	3	2	2	2	2	0	2	5	3	4	1	2	5	4	47
Madison	4	5	6	5	0	2	4	2	3	1	2	1	4	3	3	1	3	1	50
Mahaska	1	6	5	6	7	6	6	5	3	6	7	3	4	4	5	3	0	6	83
Marion	5	6	4	9	8	9	4	7	8	6	2	4	5	2	5	1	8	4	97
Marshall	4	4	13	9	5	12	17	6	11	2	9	10	9	6	9	13	10	11	160
Mills	2	8	1	1	3	2	3	7	2	2	3	5	3	2	1	3	3	4	55
Mitchell	2	3	6	1	2	6	0	1	2	3	3	1	1	1	4	1	2	3	42
Monona	4	7	1	3	1	3	2	3	5	4	4	5	0	3	3	3	6	7	64
Monroe	3	5	1	4	4	3	1	3	5	1	1	1	3	3	6	1	3	6	54
Montgomery	4	1	3	2	2	0	3	4	2	3	2	3	2	1	2	2	6	2	44
Muscatine	11	9	7	7	3	5	9	11	19	14	8	4	18	10	15	8	12	9	179
O'Brien	0	4	2	6	1	5	3	1	4	3	3	0	1	7	3	3	8	3	57
Osceola	3	2	1	3	2	1	0	1	0	3	0	6	2	2	4	1	2	0	33
Page	3	3	3	2	1	5	3	7	2	5	1	2	2	8	4	3	5	6	65
Palo Alto	3	3	1	2	2	3	5	4	3	3	0	2	7	1	1	1	2	2	45
Plymouth	3	2	6	5	5	2	2	4	3	6	8	4	9	1	5	7	8	10	90
Pocahontas	1	2	3	2	0	3	3	4	6	5	3	7	1	2	3	3	5	4	57
Polk	48	41	44	53	34	39	45	35	48	60	41	43	45	44	43	28	58	77	826
Pottawattamie	13	12	10	17	14	20	8	14	14	15	25	17	14	11	21	21	22	5	273
Poweshiek	5	4	3	4	1	2	3	2	5	4	6	5	3	8	2	6	5	6	74
Ringgold	2	2	1	2	2	1	1	1	0	2	3	0	2	2	3	1	1	3	29
Sac	3	4	7	2	3	4	1	2	4	4	7	1	7	1	3	4	3	5	65
Scott	13	13	21	20	17	18	10	18	21	19	22	21	15	18	33	18	29	28	354
Shelby	1	4	4	1	7	6	2	3	4	4	2	0	2	2	5	5	2	7	61
Sioux	11	5	5	3	2	1	6	8	7	4	6	9	5	4	4	4	4	6	94
Story	16	4	9	2	7	7	13	9	4	5	9	6	6	9	5	6	9	9	135
Tama	6	5	6	7	5	6	6	6	3	2	5	5	5	4	8	3	7	4	93
Taylor	1	1	1	4	2	1	0	2	2	1	5	4	2	0	5	3	2	3	39
Union	3	1	3	4	3	5	5	1	2	4	1	5	3	3	0	5	3	5	56
Van Buren	2	0	4	2	4	0	4	2	2	2	0	0	1	2	1	3	3	1	33
Wapello	6	7	10	14	7	8	10	9	11	7	2	9	8	5	5	7	11	5	141
Warren	5	3	4	6	1	3	1	4	8	11	3	7	7	5	6	6	6	11	97
Washington	6	5	4	3	7	3	3	3	4	3	4	5	10	4	4	3	10	8	89
Wayne	1	6	2	7	3	1	2	0	0	1	3	0	3	1	3	2	3	3	41
Webster	2	7	7	12	4	4	11	8	11	10	8	11	12	14	11	9	11	17	169
Winnebago	0	1	0	4	3	3	2	5	4	3	3	1	1	5	7	3	3	4	52
Winneshiek	0	1	4	2	2	1	3	8	5	3	2	3	2	5	7	4	4	3	59
Woodbury	16	9	13	12	12	15	12	16	17	16	14	13	19	13	20	22	15	12	266
Worth	1	3	2	2	0	0	1	1	3	3	1	1	2	2	1	3	0	0	26
Wright	4	6	2	2	3	1	6	6	4	4	3	4	7	5	3	4	2	3	69
State of Iowa	497	484	540	518	463	467	502	491	541	570	501	455	521	473	536	509	655	679	9402

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Adair	2	2	7	1	0	3	6	2	3	1	4	2	1	4	0	4	2	4	48
Adams	2	1	2	4	4	3	2	0	3	3	1	1	2	2	1	1	2	3	37
Allamakee	8	6	5	3	2	3	3	4	7	5	5	8	2	4	4	5	3	3	80
Appanoose	5	3	4	1	3	2	2	3	3	4	4	9	6	4	2	6	1	3	65
Audubon	0	2	0	2	0	4	2	0	2	2	0	2	2	2	4	3	1	2	30
Benton	4	4	6	6	3	3	4	5	6	4	4	1	5	4	7	2	4	6	78
Black Hawk	26	22	25	30	36	16	23	24	14	15	22	24	14	16	33	21	25	27	413
Boone	4	4	8	2	9	5	8	3	8	11	11	8	8	3	9	3	9	5	118
Bremer	1	3	2	6	4	4	5	4	3	5	1	5	2	4	4	4	8	2	67
Buchanan	5	8	6	5	3	10	3	4	1	5	7	3	5	4	3	6	8	4	90
Buena Vista	2	4	1	4	2	4	0	2	7	6	3	0	4	2	8	3	4	6	62
Butler	4	3	8	3	0	0	1	2	2	3	4	7	2	1	2	2	4	5	53
Calhoun	4	7	3	4	2	2	6	2	1	4	4	4	2	3	4	0	1	2	55
Carroll	6	7	3	9	3	6	3	2	7	6	8	2	5	8	3	11	3	5	97
Cass	4	4	4	7	0	6	6	6	8	7	5	1	8	3	1	4	3	5	82
Cedar	1	6	6	6	4	2	0	5	1	2	0	1	6	5	2	2	4	0	53
Cerro Gordo	7	11	8	6	4	5	12	2	8	4	8	11	10	9	7	8	13	9	142
Cherokee	2	7	7	2	1	2	4	5	9	7	2	1	3	2	4	3	1	2	64
Chickasaw	1	1	5	1	4	2	4	1	1	1	1	4	1	3	0	2	3	3	38
Clarke	1	2	1	5	3	3	3	4	2	1	2	0	3	2	3	1	3	7	46
Clay	6	3	1	2	3	4	1	2	0	2	4	1	0	4	3	6	4	5	51
Clayton	4	1	5	8	6	4	7	3	5	8	4	2	6	9	6	8	6	7	99
Clinton	10	8	10	6	14	13	6	6	14	11	13	9	13	6	8	20	5	14	186
Crawford	7	3	5	3	4	3	2	4	5	1	3	5	5	5	3	5	5	4	72
Dallas	6	10	5	8	8	10	4	3	6	11	10	4	8	8	7	6	4	4	122
Davis	5	7	4	1	1	0	3	2	2	1	2	0	2	2	4	5	1	1	43
Decatur	2	3	1	6	4	8	6	5	4	4	2	3	3	1	2	2	1	5	62
Delaware	0	6	2	2	1	8	5	3	6	6	2	5	6	9	2	7	1	4	75
Des Moines	9	10	11	9	7	9	12	11	13	11	4	11	14	2	5	7	9	7	161
Dickinson	3	3	3	5	4	0	0	6	3	0	3	3	4	3	3	8	4	3	58
Dubuque	8	14	10	12	14	6	17	20	13	10	7	22	20	16	13	13	15	19	249
Emmet	3	1	2	6	4	2	2	1	3	6	1	1	4	5	3	0	4	2	50
Fayette	8	0	6	4	7	5	4	5	7	3	8	3	6	8	3	6	10	8	101
Floyd	1	2	6	3	4	6	4	1	1	5	5	2	2	5	4	6	3	10	70
Franklin	5	1	2	2	2	4	4	3	3	3	1	6	5	1	3	1	5	2	53
Fremont	4	2	3	2	3	0	4	3	2	3	2	1	0	2	7	3	8	3	52
Greene	2	1	3	3	0	3	6	1	0	1	3	3	5	1	7	2	0	4	45
Grundy	2	3	4	2	2	1	4	2	2	1	2	2	2	0	1	4	4	6	44
Guthrie	1	1	4	3	3	0	3	2	4	1	5	3	4	3	1	6	3	8	55
Hamilton	4	1	1	3	1	5	1	3	1	2	1	5	2	3	6	1	1	5	46
Hancock	4	1	2	2	3	2	1	3	2	3	3	5	0	3	3	5	3	1	46
Hardin	7	5	12	4	6	2	6	5	1	1	3	4	3	2	4	5	4	9	83
Harrison	4	5	2	3	1	4	5	4	3	6	4	2	8	3	9	3	4	3	73
Henry	2	4	3	6	6	7	0	1	3	7	2	3	7	1	8	2	3	3	68
Howard	1	4	4	2	2	1	3	3	3	5	2	1	2	0	3	3	1	0	40
Humboldt	1	1	1	4	3	7	2	3	0	2	2	1	0	4	1	5	5	1	43
Ida	6	1	3	2	1	1	1	2	3	7	3	2	2	3	1	1	3	3	44
Iowa	5	0	3	5	1	2	3	2	3	2	3	2	2	5	4	9	11	4	80
Jackson	2	6	4	8	3	6	2	5	2	2	3	2	2	5	4	9	11	4	80
Jasper	9	8	5	14	11	5	13	4	8	5	6	12	7	8	9	8	12	11	155

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Jefferson	1	2	5	2	2	4	2	2	4	1	7	3	4	2	4	2	4	0	51
Johnson	12	13	11	8	7	13	11	16	8	11	11	13	6	6	13	11	12	6	188
Jones	3	2	4	9	6	4	1	5	6	4	3	5	5	3	7	1	3	6	77
Keokuk	5	6	7	5	5	4	2	4	0	6	5	4	6	6	3	4	4	2	78
Kossuth	5	6	7	1	2	2	5	6	8	7	3	11	3	4	4	4	3	4	85
Lee	6	9	7	19	7	7	5	6	7	17	10	4	8	6	15	11	8	12	164
Linn	30	28	30	25	22	24	28	19	25	29	17	26	23	23	22	21	29	32	453
Louisa	1	3	11	4	4	1	1	4	1	0	5	2	5	1	1	5	2	0	51
Lucas	2	3	1	5	2	1	5	1	7	4	0	1	3	0	2	5	1	1	44
Lyon	3	2	4	2	0	0	2	5	2	3	5	3	1	7	1	3	5	3	51
Madison	3	1	8	2	4	5	4	3	3	8	2	5	5	3	3	3	4	6	72
Mahaska	2	8	10	6	4	7	12	7	4	5	7	4	4	3	5	4	4	4	100
Marion	7	11	11	8	7	11	9	11	6	5	6	14	7	8	8	8	11	6	154
Marshall	10	11	13	10	7	13	10	10	7	10	8	6	9	12	9	5	9	11	170
Mills	2	5	2	4	5	0	3	7	3	1	2	2	2	2	1	1	4	2	48
Mitchell	4	7	0	0	2	2	1	4	8	1	4	2	3	6	2	4	6	7	63
Monona	1	2	3	3	5	6	2	3	5	3	1	5	2	3	4	3	0	3	54
Monroe	2	2	2	3	0	4	3	1	4	1	3	1	6	3	1	2	0	7	45
Montgomery	4	5	3	1	7	5	7	6	6	1	5	2	3	3	1	3	6	1	69
Muscatine	7	7	10	11	2	4	13	5	5	12	8	8	12	6	8	10	9	5	142
O'Brien	2	1	3	2	2	7	7	3	0	4	8	9	6	2	3	6	6	2	73
Osceola	0	1	1	0	1	1	0	1	3	0	2	1	5	0	3	1	1	3	24
Page	4	4	6	2	3	7	4	5	2	5	3	5	7	2	4	6	3	4	76
Palo Alto	3	4	5	4	1	0	2	1	4	1	1	1	2	5	0	2	4	5	45
Plymouth	7	3	5	5	1	3	2	3	5	0	4	2	2	3	4	6	5	2	62
Pocahontas	6	4	0	3	1	1	1	6	1	2	0	2	0	1	0	8	1	4	41
Polk	50	64	68	57	70	71	82	68	72	88	60	78	61	74	51	58	71	80	1223
Pottawattamie	15	13	13	16	13	15	21	13	21	22	14	16	17	11	15	19	16	14	284
Poweshiek	5	6	6	7	6	4	6	3	6	7	7	3	5	3	5	6	2	6	93
Ringgold	2	2	2	3	0	2	1	1	1	0	3	2	2	5	1	0	0	1	28
Sac	4	2	3	3	5	5	3	5	3	2	1	2	4	1	4	4	8	4	63
Scott	22	24	18	27	32	21	14	14	27	13	34	27	19	21	24	25	24	22	408
Shelby	5	3	4	2	5	2	3	6	2	4	0	3	4	9	6	3	3	6	70
Sioux	11	2	5	5	9	5	4	3	7	3	2	6	5	7	5	8	7	10	104
Story	12	10	5	5	14	7	17	16	9	7	11	8	13	5	14	14	14	13	194
Tama	2	5	3	4	2	2	4	8	6	1	2	12	5	4	1	6	4	4	75
Taylor	2	3	3	0	1	1	2	2	3	4	0	1	1	1	1	5	1	2	33
Union	2	6	6	3	4	1	3	3	5	6	6	0	3	4	4	5	6	3	70
Van Buren	4	3	5	1	5	1	1	3	5	2	2	6	2	2	1	1	1	2	47
Wapello	11	12	12	12	6	10	8	9	10	6	9	7	4	8	15	7	14	12	172
Warren	8	6	5	6	4	8	4	8	7	9	3	7	7	9	9	8	9	4	121
Washington	7	9	4	10	5	5	5	7	4	9	8	3	6	9	4	3	5	7	110
Wayne	4	6	4	1	1	2	2	1	0	0	3	2	4	2	3	2	8	4	49
Webster	15	16	5	18	13	13	13	10	13	12	8	6	11	7	10	9	14	12	205
Winnebago	5	1	5	2	4	5	5	1	1	4	1	3	2	2	4	3	4	3	55
Winneshiek	8	1	6	4	6	0	4	6	2	6	7	2	11	2	2	5	5	5	82
Woodbury	29	24	14	21	21	14	18	14	29	18	14	21	15	15	27	12	18	29	353
Worth	0	1	5	3	1	5	1	3	0	0	0	2	1	2	1	2	2	2	31
Wright	6	4	2	2	7	3	7	3	2	4	1	5	6	2	0	6	4	8	72
State of Iowa	581	595	610	603	559	551	598	549	587	594	535	582	580	536	572	601	629	652	10514

Table 3. Deaths to Residents Caused by Homicide in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Adair	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Adams	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Allamakee	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
Appanoose	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	5
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	1	0	0	0	0	0	0	0	1	0	3	1	0	0	0	0	1	1	8
Black Hawk	3	1	3	4	8	0	5	6	3	3	0	1	3	2	6	4	10	4	66
Boone	0	1	0	0	1	1	0	0	0	0	1	0	0	2	1	0	1	2	10
Bremer	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	4
Buchanan	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	4
Buena Vista	0	2	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	5
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2
Cass	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0	4
Cedar	0	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
Cerro Gordo	1	1	0	1	2	0	1	0	0	2	0	1	0	2	0	3	1	0	15
Cherokee	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarke	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	3
Clay	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Clayton	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	4
Clinton	2	1	0	0	0	2	0	1	1	2	0	4	3	0	0	1	9	1	27
Crawford	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	4
Dallas	1	0	3	0	0	0	3	0	2	1	1	0	0	1	0	1	1	0	14
Davis	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	4
Decatur	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	4
Delaware	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Des Moines	0	0	1	1	1	1	2	2	2	0	0	1	0	1	3	3	0	4	22
Dickinson	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	1	0	1	13
Dubuque	0	1	1	1	0	2	3	0	0	0	1	0	0	2	0	0	0	0	3
Emmet	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Fayette	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Floyd	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	5
Franklin	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4
Fremont	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	2
Greene	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Grundy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guthrie	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hamilton	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3
Hancock	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	1	1	0	6
Hardin	1	1	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	7
Harrison	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3
Henry	0	0	0	0	0	1	0	0	1	0	0	1	0	2	4	0	2	2	13
Howard	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	4
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ida	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ida	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Iowa	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	1	0	1	8
Jackson	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	2	2	0	16
Jasper	1	0	0	1	0	0	0	0	2	3	0	3	1	1	2	2	0	0	16

Table 3. Deaths to Residents Caused by Homicide in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Jefferson	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	4
Johnson	1	4	3	1	1	0	7	1	0	2	0	0	4	1	0	0	2	0	27
Jones	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2
Keokuk	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	4
Kossuth	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	3
Lee	0	1	1	0	0	0	5	0	1	0	0	0	2	1	1	3	2	2	19
Linn	4	1	4	5	3	4	5	2	5	1	3	2	2	7	6	4	3	3	64
Louisa	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
Lucas	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	3
Lyon	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Madison	0	2	0	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	9
Mahaska	2	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	10
Marion	1	0	1	0	1	1	0	2	0	0	0	1	1	0	0	2	1	1	12
Marshall	0	1	0	1	1	0	0	1	1	0	2	0	0	0	0	0	1	0	2
Mills	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Monona	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	4
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Montgomery	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	1	20
Muscatine	0	0	2	1	1	3	0	0	0	1	1	2	4	0	0	0	1	0	6
O'Brien	0	1	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8
Page	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Plymouth	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	5
Pocahontas	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Polk	18	21	23	20	12	11	12	18	15	15	19	21	13	18	13	17	13	19	298
Pottawattamie	7	5	4	5	2	2	4	2	1	4	2	4	0	4	4	1	1	5	57
Poweshiek	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	4
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Sac	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1	4
Scott	3	3	9	8	6	3	2	3	5	3	5	2	6	9	6	5	8	9	95
Shelby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Sioux	0	0	1	0	0	1	2	0	0	0	0	1	1	0	0	0	0	0	6
Story	0	2	0	0	1	2	1	0	0	0	2	2	1	1	0	0	0	0	12
Tama	1	3	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	3	11
Taylor	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	4
Union	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
Van Buren	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Wapello	0	5	1	1	0	1	1	0	0	1	3	0	0	1	1	1	2	0	18
Warren	1	1	0	0	4	2	1	0	1	0	1	0	1	1	0	1	0	0	14
Washington	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	4
Wayne	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
Webster	2	0	0	0	2	0	5	1	1	2	0	0	1	2	2	2	4	1	25
Winnebago	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Woodbury	6	1	3	4	3	3	7	1	6	1	3	4	0	2	6	2	4	1	57
Worth	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
Wright	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
State of Iowa	71	72	66	64	60	49	76	52	55	53	58	62	58	74	69	68	80	78	1165

Table 4. Deaths to Residents Caused by Suicide in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Adair	1	1	0	0	1	1	3	1	2	1	2	3	0	1	2	0	2	1	22
Adams	0	0	0	0	1	1	0	0	1	1	0	0	0	2	1	0	0	0	7
Allamakee	1	2	0	2	2	0	1	1	1	2	5	4	3	2	1	2	0	3	32
Appanoose	3	1	3	1	1	1	2	3	4	2	2	2	0	4	0	4	1	3	37
Audubon	0	1	0	2	0	3	2	1	1	1	0	1	1	1	0	1	2	0	17
Benton	1	1	6	1	5	1	3	4	1	4	3	3	5	1	2	2	1	1	45
Black Hawk	22	10	11	12	18	14	12	12	13	16	16	14	16	17	15	12	15	13	258
Boone	2	3	7	1	4	1	3	3	1	3	3	3	4	3	2	3	0	4	50
Bremer	3	3	2	7	1	2	1	3	3	0	3	0	2	3	2	0	1	4	40
Buchanan	5	2	4	2	3	4	3	4	1	2	2	1	2	7	1	2	3	3	51
Buena Vista	3	1	2	1	4	1	2	0	1	2	1	2	3	5	2	0	1	0	31
Butler	3	0	1	1	1	1	1	2	2	2	3	3	2	1	2	0	1	0	26
Calhoun	2	0	1	1	2	2	2	1	2	1	3	0	0	2	1	4	1	1	26
Carroll	4	2	3	2	4	2	3	3	6	2	2	2	1	2	3	2	2	3	48
Cass	3	2	3	0	0	0	2	1	2	1	2	5	1	1	5	1	1	2	32
Cedar	5	0	2	2	0	2	4	1	2	1	2	4	2	4	2	1	3	0	37
Cerro Gordo	4	4	7	6	6	3	5	5	6	3	9	4	9	2	5	8	4	4	94
Cherokee	1	3	3	1	3	4	4	1	0	0	3	2	2	1	1	1	1	1	32
Chickasaw	3	2	0	4	1	2	1	1	0	2	3	1	2	1	1	0	0	2	26
Clarke	0	1	1	0	3	1	2	1	2	2	2	0	0	1	0	3	0	2	21
Clay	1	3	1	2	1	0	0	1	1	0	0	1	1	2	2	0	3	3	22
Clayton	6	4	1	1	2	5	5	2	0	2	3	4	4	3	2	0	4	3	51
Clinton	5	11	7	7	7	4	2	6	3	5	9	11	6	11	6	6	9	7	122
Crawford	0	0	2	0	2	2	2	3	3	0	0	1	2	1	2	2	0	2	24
Dallas	1	2	5	3	3	7	10	2	5	3	4	4	4	2	3	7	4	3	72
Davis	0	1	1	0	2	4	0	0	0	0	0	1	0	0	1	0	4	2	16
Decatur	1	3	0	0	4	2	2	0	0	1	1	1	3	0	0	0	0	0	18
Delaware	5	0	2	4	1	0	5	1	1	1	3	2	2	3	5	0	1	0	36
Des Moines	5	6	5	12	9	3	8	6	6	5	12	7	2	3	5	7	6	4	111
Dickinson	3	1	0	2	1	1	1	2	1	3	1	7	3	1	5	1	1	0	34
Dubuque	13	11	8	7	9	12	11	6	9	11	12	5	9	7	12	8	6	10	166
Emmet	2	1	1	2	0	1	1	2	1	1	1	0	1	4	0	0	1	8	27
Fayette	4	2	0	2	3	1	4	2	3	2	7	2	3	1	3	4	6	3	52
Floyd	1	5	6	1	2	2	3	1	2	1	4	0	3	0	1	2	3	0	37
Franklin	0	1	1	1	1	0	0	3	0	0	2	1	1	1	0	0	0	0	18
Fremont	1	1	1	2	0	1	1	1	3	2	1	1	1	2	1	3	1	0	30
Greene	3	2	0	1	1	2	0	1	3	1	4	1	2	1	3	1	0	2	27
Grundy	1	1	2	4	1	0	1	1	2	3	0	2	3	2	1	1	0	2	34
Guthrie	3	2	0	3	1	3	0	2	2	1	0	3	3	2	2	3	1	3	41
Hamilton	2	1	3	2	3	2	5	1	4	4	3	3	3	3	0	1	1	0	25
Hancock	2	1	1	1	1	2	2	0	1	3	2	1	1	3	1	0	1	2	24
Hardin	3	2	0	3	0	1	0	1	0	1	2	1	2	1	0	6	0	1	34
Harrison	1	5	2	1	2	0	3	0	2	2	1	2	1	3	1	3	4	1	42
Henry	1	2	0	2	2	4	2	2	4	3	1	0	1	7	3	1	6	1	8
Howard	1	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	28
Humboldt	3	3	1	4	3	1	0	0	1	0	2	0	1	3	0	3	0	3	15
Ida	1	1	0	0	1	2	1	1	1	1	0	0	0	3	1	1	0	1	26
Iowa	0	2	3	2	1	3	3	3	3	2	1	3	2	2	4	2	3	4	46
Jackson	2	5	2	1	3	3	3	3	2	1	3	2	2	4	3	2	1	5	59
Jasper	3	2	1	4	2	2	7	4	4	3	3	6	4	3	3	2	1	5	59

Table 4. Deaths to Residents Caused by Suicide in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Jefferson	5	4	3	2	3	0	1	6	0	2	2	2	1	2	2	0	0	2	37
Johnson	13	7	7	11	8	7	10	9	3	11	12	10	14	7	4	6	11	8	158
Jones	2	2	1	4	1	2	1	8	4	2	3	1	4	1	2	1	2	4	45
Keokuk	0	3	1	2	3	4	1	2	1	0	2	1	2	0	1	2	3	1	29
Kossuth	1	2	2	0	1	0	0	2	2	0	4	1	1	1	3	3	2	2	27
Lee	7	6	4	8	6	2	6	3	2	2	6	5	7	4	4	4	4	4	84
Linn	25	18	12	22	22	17	25	24	20	30	28	27	16	19	13	20	22	20	380
Louisa	0	4	4	1	0	2	1	4	1	3	3	1	3	6	1	0	3	0	37
Lucas	0	0	2	3	1	3	1	1	2	3	4	1	0	2	0	2	1	4	30
Lyon	0	1	0	0	1	1	1	1	1	0	1	2	0	4	3	0	0	5	21
Madison	2	2	3	1	1	1	0	0	2	1	0	2	1	4	1	3	1	1	26
Mahaska	1	2	0	3	2	3	0	4	2	2	1	5	2	2	7	1	2	2	41
Marion	4	4	7	1	1	2	2	3	5	2	7	6	3	6	6	2	3	5	69
Marshall	7	2	5	9	3	6	4	6	1	6	6	12	5	5	6	7	5	3	98
Mills	2	0	3	3	2	0	1	2	0	2	1	0	1	0	2	1	3	1	24
Mitchell	1	3	0	1	1	2	2	2	4	0	0	0	1	0	4	1	2	2	26
Monona	0	1	2	1	1	1	0	2	0	2	0	4	1	1	0	0	0	1	17
Monroe	2	4	3	0	1	0	0	3	2	0	1	0	0	1	0	2	0	1	20
Montgomery	1	1	3	2	2	2	0	1	4	1	2	3	2	2	3	5	0	3	37
Muscatine	3	2	5	7	6	5	4	8	2	4	7	5	4	3	6	7	2	1	81
O'Brien	1	0	3	1	1	2	3	4	0	0	0	2	3	1	2	3	0	0	26
Osceola	1	1	1	1	1	0	1	1	1	1	1	3	2	0	0	0	2	1	18
Page	2	1	4	0	0	3	3	1	2	1	0	3	0	2	1	0	2	1	26
Palo Alto	1	1	1	0	1	0	0	0	0	2	0	2	0	0	1	2	3	0	14
Plymouth	3	1	4	0	0	2	3	3	2	2	6	2	3	1	3	2	0	0	37
Pocahontas	1	0	0	1	0	0	3	2	1	2	1	0	2	2	0	2	3	1	21
Polk	43	45	34	47	44	25	46	49	46	51	42	42	50	31	47	46	40	40	768
Pottawattamie	13	8	16	11	9	16	10	13	11	11	16	8	12	12	11	10	9	13	209
Poweshiek	1	6	1	1	4	1	1	1	3	3	2	0	0	2	4	3	2	2	37
Ringgold	0	0	1	0	1	0	2	3	0	0	0	1	1	1	0	0	0	0	10
Sac	0	2	3	3	1	1	0	2	2	1	1	3	0	0	0	1	2	1	23
Scott	15	12	22	21	13	21	17	13	19	16	31	27	20	22	28	13	25	36	371
Shelby	4	0	2	0	1	1	2	4	1	2	1	1	2	2	2	0	2	2	29
Sioux	0	3	1	1	2	0	1	1	0	2	1	2	3	3	2	0	0	0	22
Story	12	5	8	7	5	3	5	6	6	5	8	5	6	6	3	9	4	3	106
Tama	4	2	6	4	5	0	1	0	1	2	2	3	3	3	5	3	3	1	48
Taylor	1	2	2	0	0	0	1	3	3	2	3	1	2	2	2	1	0	1	26
Union	1	3	1	1	5	2	2	3	1	0	3	0	1	3	1	1	1	2	31
Van Buren	0	1	0	0	1	0	1	0	1	2	0	4	3	1	4	0	0	1	19
Wapello	5	5	7	7	6	2	2	4	4	3	5	7	5	5	7	7	4	4	89
Warren	0	8	7	3	2	5	3	3	6	3	5	3	5	5	1	3	2	5	69
Washington	3	3	2	2	4	7	1	2	3	1	3	1	3	1	3	0	2	1	42
Wayne	0	2	0	0	1	3	1	1	0	1	1	2	1	1	0	0	0	0	14
Webster	4	7	5	2	1	6	6	7	7	5	6	11	3	5	3	10	7	4	99
Winnebago	0	1	2	0	1	1	0	1	0	2	2	1	2	1	1	1	2	0	18
Winneshiek	0	2	0	1	3	2	5	3	2	2	3	3	3	3	2	0	4	2	40
Woodbury	11	10	19	4	11	7	12	9	12	12	14	12	7	17	10	11	11	9	198
Worth	2	2	4	2	0	0	1	0	3	0	0	1	0	2	1	2	0	0	20
Wright	1	0	1	1	1	3	1	2	3	1	2	2	0	3	0	1	0	2	24
State of Iowa	345	321	336	322	318	287	334	336	314	317	398	366	335	346	326	308	303	321	5933

Table 5. Deaths to Teen-Aged Residents Caused by Suicide in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1997
Jefferson	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	4
Johnson	0	2	1	0	0	1	0	0	0	1	0	1	2	1	0	1	0	0	10
Jones	0	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	1	6
Keokuk	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Kossuth	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Lee	1	3	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	9
Linn	3	1	3	2	1	0	1	0	0	3	4	3	2	2	1	1	2	2	31
Louisa	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Madison	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	4
Mahaska	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	4
Marion	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1	0	0	0	5
Marshall	0	1	1	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0	8
Mills	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mitchell	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	3
Monona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monroe	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	1	0	0	1	2	2	1	1	0	1	0	0	2	0	1	0	1	0	13
O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4
Plymouth	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	4
Pocahontas	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
Polk	2	3	1	8	2	0	4	4	6	7	3	2	4	6	6	2	3	1	64
Pottawattamie	1	1	2	0	0	0	1	1	1	0	0	0	1	0	1	2	1	0	12
Poweshiek	1	1	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	7
Ringgold	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
Sac	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3
Scott	1	2	2	2	0	3	2	2	3	3	2	3	1	2	1	3	1	5	38
Shelby	0	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	4
Sioux	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3
Story	4	0	0	2	1	1	0	0	0	0	1	0	2	0	1	1	0	0	13
Tama	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	3
Taylor	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	3
Union	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	1	0	3	0	1	1	0	0	1	1	0	1	0	0	1	3	0	0	13
Warren	0	0	1	2	0	0	0	0	1	0	0	2	0	2	0	0	2	0	10
Washington	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	0	1	0	0	0	1	0	1	1	1	0	2	0	0	1	0	0	0	8
Winnebago	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	3
Winneshiak	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	3
Woodbury	0	0	2	1	1	1	2	1	1	0	0	2	1	0	1	0	1	1	15
Worth	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	3
Wright	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
State of Iowa	29	27	34	41	24	24	26	27	31	31	28	40	31	31	32	30	24	21	531

and another 18 counties had only one. Polk (18) had the most; Pottawattamie (7) and Woodbury (6) were the only other counties with more than five homicide deaths that year.

From 1980 through 1997, 1,165 Iowans died by homicide. Of these, 298 were Polk residents, 95 were from Scott, 66 from Black Hawk, 64 from Linn, and 57 each from Pottawattamie and Woodbury. These six counties accounted for half (54.7%) of all of Iowa's homicides during these 18 years. Nine counties had no homicides from 1980 through 1997, while 25 counties had one or two residents who died in this manner.

Deaths Due to Suicide

Iowa recorded 345 suicides in 1997, a number substantially lower than the 1987 high of 398 (Table 4, Figure 1), although it exceeded all but 3 of the 18 years reported. Polk was the only county with at least 30 suicides in 1997. A large majority (87) of the counties had five or fewer; of these, 20 had no suicides in 1997.

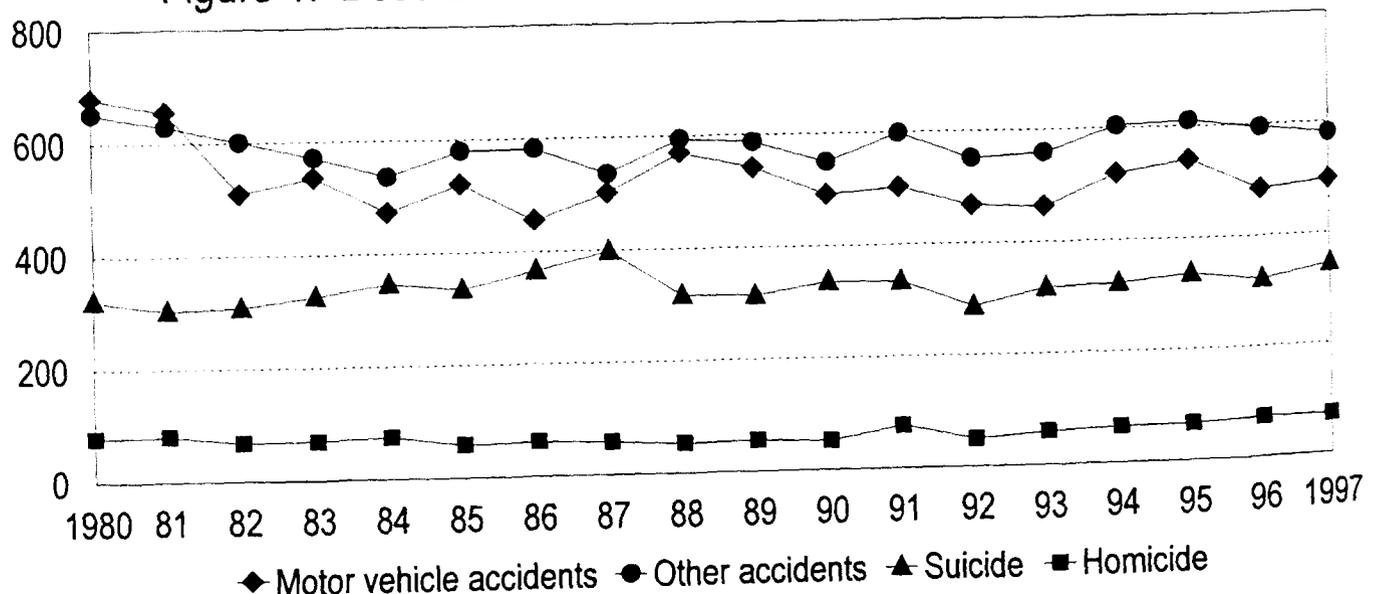
A total of 5,933 Iowans committed suicide from 1980 through 1997. At least 100 occurred to residents in 11 counties. Adams (7) and Howard (8) had the lowest totals for the 18 years.

Information also is available on the number of teenagers (19 years of age or younger) who committed suicide (Table 5). These vary from a low of 21 in 1980 to a high of 41 in 1994 during the 1980-1997 period. The 531 suicides by teenagers from 1980 through 1997 accounted for less than 10 percent of all suicides during that period.

In 1997, 29 suicides of teenagers were recorded in Iowa. Story had four, Linn three, and Clayton and Polk each had two. Eighteen other counties each had one. In the 18 years noted in Table 5, only Black Hawk, Dubuque, Linn, Polk, and Scott averaged at least one teenage suicide per year (total of 18 or more suicides). Cerro Gordo, Clinton, Des Moines, Johnson, Muscatine, Pottawattamie, Story, Wapello, Warren, and Woodbury were the only others with at least 10 suicides committed by teenagers from 1980 through 1997. No such deaths were recorded in Butler, Cass, Chickasaw, Davis, Fremont, Howard, Iowa, Lucas, Monona, Montgomery, O'Brien, Osceola, Van Buren, and Wayne counties during that period.

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

Figure 1. Deaths due to selected causes in Iowa, 1980-1997.



Injuries and Fatalities on Farms in Iowa's Counties: 1990-1997

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Information on injuries and fatalities occurring on Iowa's farms is collected annually by the Iowa Department of Public Health through its Sentinel Project Researching Agricultural Injury Notification Systems. The first year for which data were gathered was 1990.

Injuries on Farms

In 1997, 1,980 farm-related injuries occurred in Iowa (Table 1). The number of injuries increased between 1990-1992, 1993-1994, and 1996-1997; declines occurred between 1992-1993 and 1994-1996 (Figure 1). Injuries on farms were related to work on 1,641 occasions in 1997, which was lower than all other years except 1996 (Table 2). Leisure-related injuries on farms, though far fewer in number than injuries related to farm work, differed greatly from year to year. They peaked at 568 in 1992 after a low of 277 in 1990; the totals of 252 in 1996 and in 1997 were the lowest in these eight years.

Buchanan, Sioux, and Winneshiek were the only counties listing at least 500 farm-related injuries from 1990 through 1997; Crawford, Dubuque, Fayette, and Poweshiek ranged from 400 to 499. Of the 25 counties where injuries totaled less than 100 in the 1990-1997 period, Dallas, Polk, Scott, and Worth had fewer than 50.

In the eight years examined, work-related injuries on farms ranged from fewer than 50 in 7 counties to more than 250 in 14 others. Fourteen counties reported at least 50 leisure-related injuries during the eight-year period; 14 counties had fewer than 10 such injuries.

Fatalities on Farms

In 1997, 49 farm-related fatalities occurred in Iowa. Of the 39 counties that had fatalities, 1 reported three fatalities, 8 had 2, and the other 30 had one each. Sixty counties had no fatalities that were related to farms in 1997.

From 1990 through 1997, 503 farm-related deaths took place in the state (Figure 2). All counties had at least one farm-related fatality. Eight counties (Clayton, Crawford, Delaware, Jackson, Jasper, Marion, Pottawattamie, Sioux) had at least 10. When single years are examined, no county had more than five farm-related fatalities in any one year.

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

Table 1. Farm-Related Injuries and Fatalities in Iowa's Counties, 1990-1997.

County	Injuries								Fatalities							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	4	5	5	9	9	29	37	12	1	0	0	1	1	1	1	0
Adams	8	19	19	20	22	33	17	32	1	0	1	0	0	2	0	0
Allamakee	37	41	40	27	37	32	55	20	0	1	0	0	0	0	2	1
Appanoose	7	3	9	3	9	24	5	4	1	0	1	0	0	0	0	2
Audubon	9	12	10	24	10	20	5	7	0	0	0	1	0	2	0	0
Benton	22	12	15	13	16	59	11	19	0	0	1	2	1	0	0	1
Black Hawk	37	34	61	74	34	91	59	8	0	0	0	0	1	1	1	2
Boone	10	11	12	10	14	7	22	10	1	0	0	0	1	1	0	0
Bremer	26	37	41	44	24	53	43	29	0	0	0	2	0	2	0	0
Buchanan	73	95	91	91	70	105	56	40	1	1	2	1	1	1	0	0
Buena Vista	8	2	6	3	2	8	4	17	0	0	1	0	0	1	0	0
Butler	33	28	40	30	15	23	28	30	1	0	1	0	0	1	0	0
Calhoun	3	2	1	16	14	7	7	18	1	0	0	0	1	0	2	0
Carroll	27	33	22	26	9	16	5	26	2	1	1	0	1	0	0	0
Cass	22	19	26	27	33	30	40	42	1	1	1	1	0	0	1	2
Cedar	4	11	16	15	14	24	15	18	0	0	0	3	0	0	0	0
Cerro Gordo	57	2	4	1	4	18	6	13	0	0	1	0	0	1	0	0
Cherokee	6	11	24	32	7	5	2	7	0	0	2	0	0	0	1	3
Chickasaw	9	15	12	12	28	25	27	17	1	1	0	0	0	1	1	1
Clarke	3	12	17	20	15	26	3	6	0	1	0	1	0	1	3	2
Clay	22	20	16	4	23	18	15	13	0	0	0	0	2	1	0	0
Clayton	35	39	26	29	35	42	37	14	0	1	1	2	2	5	4	1
Clinton	13	14	16	15	23	27	8	27	0	1	1	1	1	0	2	1
Crawford	54	43	32	37	53	45	76	89	2	1	1	1	1	3	0	2
Dallas	3	3	3	7	11	11	4	4	0	0	0	0	1	0	0	0
Davis	4	16	18	24	24	37	32	14	0	1	2	1	0	1	1	2
Decatur	9	9	2	6	9	9	10	18	2	1	0	2	2	1	1	0
Delaware	18	31	23	18	18	37	33	44	0	3	0	2	0	2	3	2
Des Moines	11	30	12	2	11	14	11	6	0	0	1	0	2	2	0	1
Dickinson	5	5	6	7	6	13	4	15	0	0	0	0	1	0	0	1
Dubuque	24	15	38	53	75	71	72	78	0	0	1	2	0	0	1	2
Emmet	20	23	15	19	1	7	22	21	0	1	0	2	0	0	1	0
Fayette	48	68	61	73	72	84	51	41	0	0	1	0	1	1	0	2
Floyd	23	9	13	16	24	17	27	19	0	1	0	1	0	2	0	0
Franklin	22	23	22	17	13	13	16	13	0	0	2	2	0	0	1	0
Fremont	8	5	4	18	13	10	8	11	0	0	0	2	2	0	0	0
Greene	14	18	8	14	24	41	27	36	1	0	1	0	0	1	1	0
Grundy	26	20	21	22	6	13	30	17	0	0	1	0	0	0	0	0
Guthrie	15	9	4	14	11	25	16	13	0	0	0	0	0	1	0	0
Hamilton	8	11	5	7	11	16	26	3	1	0	0	0	1	0	1	0
Hancock	41	24	25	14	24	35	33	34	0	0	0	0	1	0	0	1
Hardin	13	12	14	19	18	13	26	22	0	0	2	0	0	0	1	0
Hardin	13	12	14	19	18	13	26	22	0	0	0	1	0	0	0	1
Harrison	32	32	26	38	34	32	9	7	0	0	0	1	0	0	0	1
Henry	4	8	19	13	4	18	22	18	0	2	2	0	0	3	2	0
Henry	4	8	19	13	4	18	22	18	0	1	0	0	1	0	2	0
Howard	29	45	29	35	37	55	41	9	0	1	0	0	0	0	0	1
Howard	29	45	29	35	37	55	41	9	0	0	0	0	0	0	0	1
Humboldt	24	28	60	66	79	56	20	4	1	0	0	0	0	0	0	1
Ida	6	5	4	1	4	22	11	6	1	0	0	0	0	0	0	2
Iowa	27	18	39	22	41	44	54	43	1	0	1	1	1	4	5	2
Jackson	24	14	10	18	27	23	15	35	1	0	1	1	1	4	5	2
Jackson	24	14	10	18	27	23	15	35	2	3	0	2	0	4	1	0
Jasper	22	47	28	34	17	39	33	36	2	3	0	2	0	4	1	0

^aNot Available.

Table 1. Farm-Related Injuries and Fatalities in Iowa's Counties, 1990-1997 (continued).

County	Injuries								Fatalities							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Jefferson	12	24	24	32	36	29	45	23	0	0	1	1	0	1	0	0
Johnson	32	24	37	34	38	66	41	45	0	1	0	1	0	2	0	1
Jones	21	16	11	32	22	20	28	37	0	1	1	1	3	0	1	1
Keokuk	19	34	27	36	46	51	36	42	0	2	0	2	1	0	0	0
Kossuth	21	13	19	16	21	14	28	27	2	1	1	0	1	1	1	2
Lee	19	38	55	58	60	55	57	23	0	0	0	0	1	0	0	1
Linn	12	13	12	19	7	69	19	19	2	0	1	1	0	1	0	1
Louisa	5	13	10	9	7	10	5	5	0	1	1	0	0	1	0	0
Lucas	5	12	9	12	3	4	12	3	0	0	0	1	1	0	0	0
Lyon	16	13	12	24	25	14	21	24	0	2	0	0	0	0	2	1
Madison	1	9	12	33	7	17	20	7	0	0	1	0	0	0	3	0
Mahaska	28	18	29	42	38	48	25	15	1	0	0	0	0	1	0	1
Marion	7	16	24	22	28	15	23	9	1	3	2	2	1	0	2	3
Marshall	30	42	58	47	24	32	22	12	0	0	0	3	0	1	0	1
Mills	6	6	5	2	7	12	23	7	0	0	0	0	0	0	1	0
Mitchell	11	11	19	7	11	28	23	. ^a	1	3	0	0	1	2	0	. ^a
Monona	6	8	8	12	8	2	40	9	0	2	0	0	2	0	0	2
Monroe	17	5	15	9	31	34	45	30	0	0	2	0	0	0	1	1
Montgomery	12	2	7	10	1	29	25	15	0	0	0	0	0	2	1	0
Muscatine	12	17	19	16	14	25	12	11	0	2	1	2	1	0	0	0
O'Brien	42	19	39	31	47	40	50	42	1	1	0	0	0	0	0	0
Osceola	27	. ^a	33	32	3	8	11	14	1	. ^a	1	0	0	2	0	1
Page	17	10	5	26	28	21	13	23	0	1	0	0	1	0	0	0
Palo Alto	1	7	7	4	7	10	10	21	0	0	2	0	0	0	0	1
Plymouth	30	7	24	13	9	22	19	18	1	0	1	1	1	2	1	2
Pocahontas	6	6	21	15	13	16	11	18	0	0	0	0	0	0	0	2
Polk	2	2	2	5	6	10	3	4	0	0	0	0	2	0	0	1
Pottawattamie	24	15	21	24	35	48	40	25	1	0	1	1	3	5	3	4
Poweshiek	57	50	49	59	55	45	57	86	1	0	1	1	0	2	1	0
Ringgold	18	29	25	24	25	26	23	31	1	0	0	1	0	1	0	2
Sac	12	19	6	21	16	29	9	26	1	0	1	0	0	2	0	0
Scott	. ^a	1	3	8	20	4	7	4	. ^a	0	0	1	0	0	0	0
Shelby	35	19	15	12	13	12	28	43	0	0	2	1	0	0	1	3
Sioux	60	23	91	110	64	109	118	89	3	0	1	3	0	1	1	1
Story	12	32	15	6	16	47	31	19	1	0	0	0	2	1	1	0
Tama	30	34	54	54	23	48	49	17	1	0	2	1	0	0	3	1
Taylor	8	10	13	25	28	20	10	13	0	0	0	0	0	0	1	0
Union	5	5	2	6	13	10	16	12	0	0	0	1	0	0	0	0
Van Buren	11	16	17	28	26	41	32	33	1	1	1	0	0	0	1	1
Wapello	8	18	12	43	48	47	36	27	0	0	0	0	0	0	1	0
Warren	2	7	7	6	5	10	5	13	0	2	0	2	0	2	1	1
Washington	31	43	39	63	51	57	39	39	1	0	1	0	0	4	0	1
Wayne	16	16	29	37	37	35	69	15	1	0	0	1	0	0	0	0
Webster	4	4	11	22	38	83	12	2	0	0	0	2	1	2	0	0
Winnebago	17	5	2	1	4	22	11	10	0	0	0	0	2	1	2	0
Winneshiak	64	97	104	109	90	123	111	55	2	1	0	0	0	0	0	5
Woodbury	31	17	6	3	8	12	12	6	1	1	0	1	0	0	0	4
Worth	26	4	2	2	. ^a	4	3	4	0	0	0	0	. ^a	0	1	1
Wright	83	53	40	13	8	20	15	9	2	0	0	1	1	0	0	2
State of Iowa	1980	1950	2176	2433	2304	3075	2636	2166	49	47	54	66	51	83	69	84

Table 2. Work- and Leisure-Related Farm Injuries in Iowa's Counties, 1990-1997.

County	Work-Related Farm Injuries ^a								Leisure-Related Farm Injuries ^a							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	3	5	4	8	8	24	30	12	1	0	1	1	1	5	7	0
Adams	6	14	16	14	17	28	11	26	1	0	2	6	5	5	6	6
Allamakee	32	31	31	24	36	24	39	17	4	10	7	3	1	8	16	3
Appanoose	3	2	8	3	5	10	5	4	4	1	1	0	4	14	0	0
Audubon	8	11	10	23	7	15	4	7	0	0	0	1	3	5	1	0
Benton	20	11	11	11	14	46	10	16	1	1	3	2	2	13	1	3
Black Hawk	30	26	41	55	24	55	43	7	4	8	20	19	10	36	16	1
Boone	7	9	10	8	13	7	19	10	1	2	1	2	1	0	3	0
Bremer	22	33	37	34	23	43	36	25	4	4	3	10	1	10	7	4
Buchanan	50	61	67	71	51	77	46	32	16	19	17	20	19	28	10	8
Buena Vista	6	1	6	1	2	6	4	17	1	1	0	2	0	2	0	0
Butler	31	24	33	26	13	20	22	26	2	4	9	4	2	3	6	4
Calhoun	3	2	0	13	12	6	7	17	0	0	1	3	2	1	0	1
Carroll	24	24	19	24	9	12	4	23	2	3	1	2	0	4	1	3
Cass	20	19	21	27	31	25	34	39	1	0	4	0	2	5	6	3
Cedar	4	11	15	10	11	20	14	17	0	0	1	5	3	4	1	1
Cerro Gordo	29	1	4	0	3	14	6	12	20	0	0	1	1	4	0	1
Cherokee	6	8	17	27	7	4	1	7	0	3	7	5	0	1	1	0
Chickasaw	8	13	10	11	27	20	23	15	1	0	1	1	1	5	4	2
Clarke	3	4	13	18	9	17	1	5	0	8	3	2	6	9	2	1
Clay	20	20	15	4	21	17	13	11	2	0	1	0	2	1	2	2
Clayton	30	34	25	28	30	38	31	14	4	2	1	1	5	4	6	0
Clinton	13	14	14	14	21	24	7	24	0	0	0	1	2	3	1	3
Crawford	44	34	25	35	53	45	59	67	5	2	1	2	0	0	17	20
Dallas	3	2	3	5	10	8	4	4	0	1	0	2	1	3	0	0
Davis	4	15	17	24	22	31	27	13	0	1	0	0	2	6	5	1
Decatur	5	5	1	6	8	7	9	18	4	2	1	0	1	2	1	0
Delaware	16	27	19	16	15	34	31	44	1	3	2	2	3	3	2	0
Des Moines	7	15	12	2	9	13	10	5	4	15	0	0	2	1	1	1
Dickinson	5	5	4	4	6	12	4	14	0	0	1	3	0	1	0	1
Dubuque	20	13	35	48	64	62	67	70	3	0	3	5	11	9	5	8
Emmet	15	22	11	15	1	6	17	19	3	0	1	4	0	1	5	2
Fayette	46	61	51	57	66	71	40	37	1	5	7	16	6	13	11	4
Floyd	15	6	13	16	16	11	15	15	6	3	0	0	8	6	12	4
Franklin	20	15	18	17	12	11	16	13	1	8	2	0	1	2	0	0
Fremont	6	2	1	17	10	7	6	9	0	0	0	1	3	3	2	2
Greene	14	14	7	14	24	39	26	33	0	1	0	0	0	2	1	3
Grundy	21	16	18	20	5	12	24	16	4	1	3	2	1	1	6	1
Guthrie	11	5	4	13	10	22	16	12	3	1	0	1	1	3	0	1
Hamilton	7	8	5	6	10	14	16	2	1	3	0	1	1	2	10	1
Hancock	34	20	22	13	23	32	33	29	6	1	3	1	1	3	0	5
Hardin	11	9	14	18	18	11	18	20	0	3	0	1	0	2	8	2
Harrison	27	29	19	33	31	26	7	7	3	2	6	5	3	6	2	0
Henry	1	6	14	12	3	16	17	18	3	2	2	1	1	2	5	0
Howard	24	40	22	32	35	47	38	8	5	5	7	3	2	8	3	1
Humboldt	18	24	47	47	66	42	17	4	3	2	13	19	13	14	3	0
Ida	5	5	4	0	4	22	10	5	1	0	0	1	0	0	1	1
Iowa	27	17	29	18	39	36	44	38	0	1	6	4	2	8	10	5
Jackson	22	12	6	16	19	14	13	34	1	1	4	2	8	9	2	1
Jasper	15	39	20	28	13	37	30	29	6	5	7	6	4	2	3	6

^aWork-related and leisure-related injuries do not always add to the total injuries because some injury reports did not include the work/leisure designation.

^bNot Available.

Table 2. Work- and Leisure-Related Farm Injuries in Iowa's Counties, 1990-1997 (continued).

County	Work-Related Farm Injuries ^a								Leisure-Related Farm Injuries ^a							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Jefferson	10	21	16	28	27	22	32	19	2	3	8	4	9	7	13	4
Johnson	30	22	22	21	32	41	38	41	2	1	15	13	6	25	3	4
Jones	19	16	11	28	19	18	26	37	2	0	0	4	3	2	2	0
Keokuk	19	30	24	32	40	45	28	36	0	4	2	4	6	6	8	6
Kossuth	18	11	18	16	19	13	22	25	3	2	0	0	2	1	6	2
Lee	17	31	40	40	32	34	36	17	2	7	14	18	28	21	21	6
Linn	11	13	9	19	7	35	15	17	0	0	3	0	0	34	4	1
Louisa	5	9	6	9	6	9	5	5	0	3	3	0	1	1	0	0
Lucas	5	11	9	12	3	3	11	3	0	0	1	0	0	1	1	0
Lyon	11	11	12	19	25	14	21	24	1	0	0	5	0	0	0	0
Madison	1	7	7	19	7	9	15	5	0	2	5	14	0	8	5	2
Mahaska	23	16	23	31	31	39	25	13	5	1	5	11	7	9	0	2
Marion	6	13	21	19	25	14	21	9	1	2	2	3	3	1	2	0
Marshall	26	28	52	41	22	26	21	12	4	11	5	6	2	6	1	0
Mills	3	1	1	2	6	11	21	6	1	2	1	0	1	1	2	1
Mitchell	7	9	19	6	11	26	20	. ^b	3	2	0	1	0	2	3	. ^b
Monona	4	7	5	12	8	2	27	8	1	1	3	0	0	0	13	1
Monroe	17	4	10	7	28	30	37	26	0	1	5	2	3	4	8	3
Montgomery	11	2	5	8	1	24	22	15	1	0	1	2	0	5	3	0
Muscatine	10	14	18	16	12	21	12	9	2	1	1	0	2	4	0	2
O'Brien	32	16	33	24	39	38	42	39	8	3	6	7	8	2	8	3
Osceola	24	. ^b	32	30	2	7	10	13	3	. ^b	1	2	1	1	1	1
Page	14	7	5	20	23	19	12	15	3	2	0	6	5	2	1	8
Palo Alto	1	5	5	3	5	10	10	20	0	2	2	1	2	0	0	1
Plymouth	29	6	22	11	8	22	16	14	1	0	2	2	1	0	3	4
Pocahontas	5	6	19	14	12	15	10	15	1	0	0	1	1	1	1	3
Polk	2	2	2	3	4	7	3	3	0	0	0	2	2	3	0	0
Pottawattamie	19	7	14	24	32	35	35	17	0	3	2	0	3	13	5	8
Poweshiek	40	40	33	43	44	36	48	64	16	8	16	16	11	9	9	22
Ringgold	18	23	20	20	22	23	20	22	0	4	4	4	3	3	3	8
Sac	10	17	6	18	14	24	8	24	1	2	0	3	2	5	1	2
Scott	. ^b	1	3	7	14	2	5	4	. ^b	0	0	1	6	2	2	0
Shelby	29	13	13	12	13	12	27	38	4	5	2	0	0	0	1	5
Sioux	47	22	76	103	60	84	99	69	9	1	10	7	4	25	19	19
Story	11	30	11	6	15	42	28	18	1	2	4	0	1	5	3	1
Tama	25	27	42	43	18	42	41	14	4	5	11	11	5	6	8	3
Taylor	8	10	12	19	25	16	6	9	0	0	1	6	3	4	4	4
Union	5	5	2	4	12	8	10	11	0	0	0	2	1	2	6	1
Van Buren	9	13	15	24	20	34	26	29	2	2	2	4	6	7	6	4
Wapello	7	8	6	32	32	35	28	24	1	7	6	11	16	12	8	3
Warren	2	5	3	5	4	8	4	10	0	2	4	1	1	2	1	3
Washington	27	35	35	56	48	56	32	35	4	6	1	7	3	1	7	3
Wayne	12	10	16	24	29	25	51	13	4	5	7	13	8	10	18	2
Webster	4	4	11	15	29	68	8	2	0	0	0	7	9	15	4	0
Winnebago	12	5	2	1	3	19	8	9	4	0	0	0	1	3	3	1
Winneshiek	61	85	95	98	83	113	93	39	3	8	6	11	7	10	18	16
Woodbury	25	13	5	2	8	11	7	6	4	4	1	1	0	1	5	0
Worth	16	3	2	2	. ^b	4	3	3	6	0	0	0	. ^b	0	0	1
Wright	73	49	38	12	6	16	12	8	10	4	1	1	2	4	3	1
State of Iowa	1641	1587	1774	2046	1971	2507	2181	1880	252	252	316	387	333	568	455	277

Figure 1. Farm-related injuries in Iowa, 1990-1997.

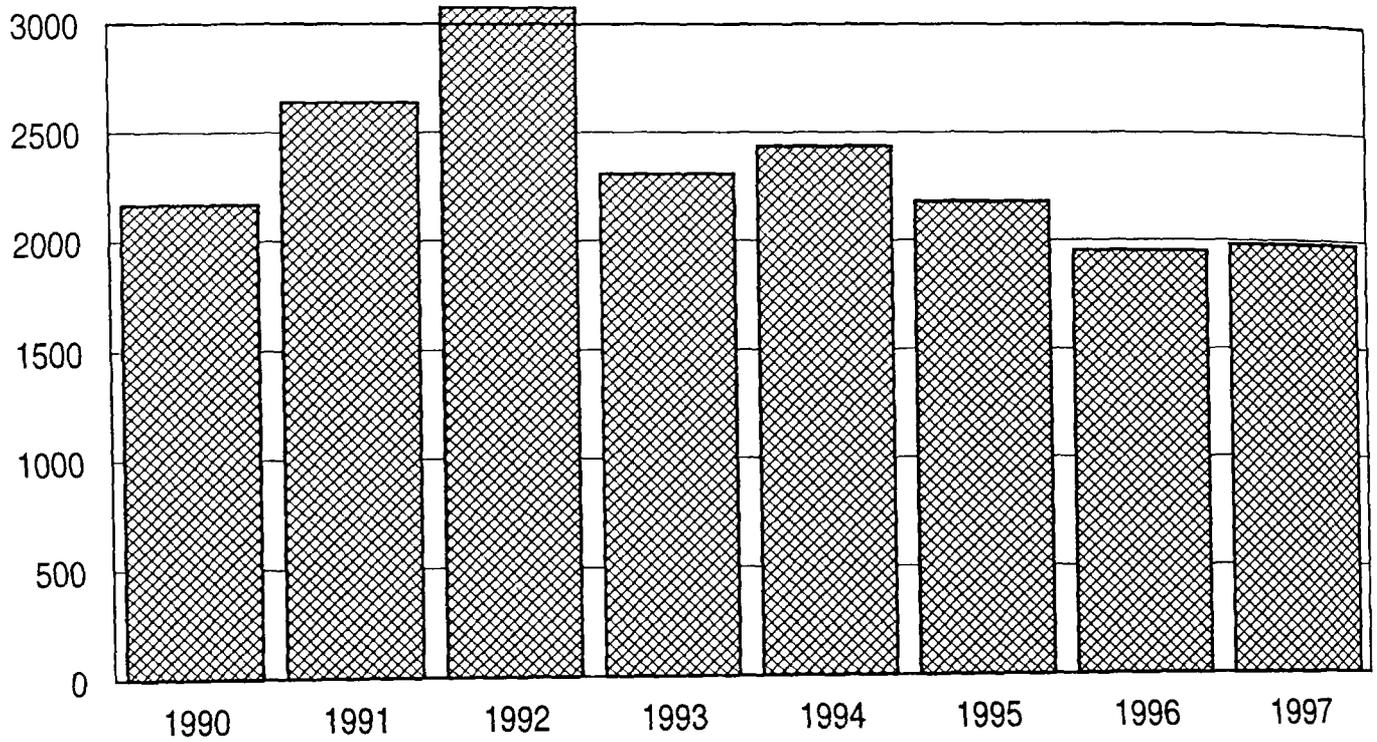
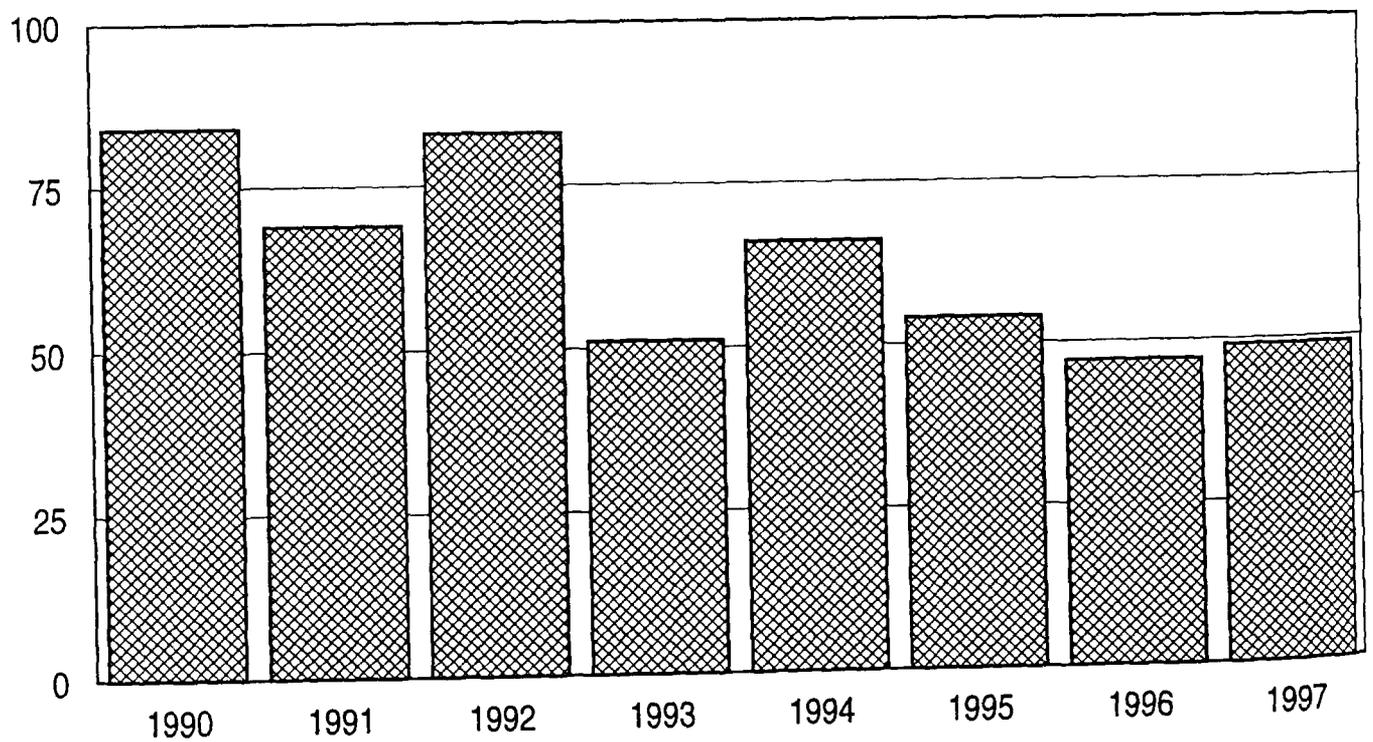


Figure 2. Farm-related fatalities in Iowa, 1990-1997.



Marriages and Dissolutions in Iowa's Counties: 1977-1997

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

Marriages

Iowa recorded 21,909 marriages in 1997, 802 fewer than in 1996 (Table 1, Figure 1). This was the 14th time since 1977 that there had been a decrease in marriages over the previous year; declines occurred each year from 1978 to 1981, 1982 to 1987, and 1989 to 1993. The largest year-to-year drop of the period was between 1984 and 1985 (-1,788).

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

In 1997, Polk's 2,972 marriages constituted the highest number in any county. Linn and Scott also had more than 1,000 marriages that year. Forty counties had fewer than 100 marriages in 1997, with the lowest numbers in Adair, Adams, Audubon, and Ringgold.

Sixty-eight of the counties followed the state trend with fewer marriages in 1997 than in 1996. Des Moines, Mahaska, Scott, and Washington decreased by at least 50. The greatest gain occurred in Polk (+132), the only county increasing by more than 100 marriages.

Nearly 1,200 fewer marriages occurred in Iowa in 1997 than in 1987. Sixty-five counties mirrored this trend. Three (Chickasaw, Dubuque, Scott) had at least 100 fewer marriages in 1997 than in 1987. Increases occurred in 30 counties, with Woodbury gaining more than 100 marriages when 1987 and 1997 were compared. When 1977 and 1997 were examined, the decline in the state was even greater; 4,500 more marriages were counted at the beginning of the period than at the end.

Dissolutions

There were 9,712 dissolutions in Iowa in 1997, the first time the total was less than 10,000 since 1974. Between 1977 and 1997, there were 10 times when dissolutions increased compared with the previous year and 10 times when dissolutions decreased (Table 2, Figure 1). Most of these year-to-year changes were modest, but between 1981 and 1982 there was a decline in dissolutions of 1,202. This large decrease followed the year (1981) in which the number of dissolutions was the highest ever recorded in Iowa. The decline of 635 between 1996 and 1997 was the second greatest change in the 1977-1997 period.

Dissolutions were highest in 1997 in Polk, the only county with more than 1,000. Other counties with at least 300 dissolutions that year were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury.

Table 1. Marriages in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	37	57	37	59	34	43	49	63	49	59	51	58	62	82	54	60	74	57	50	79	72
Adams	27	42	33	29	31	20	24	24	35	41	38	40	43	38	34	45	43	36	46	51	38
Allamakee	105	119	124	129	121	123	110	134	133	118	115	121	133	150	144	139	150	149	176	201	157
Appanoose	106	129	100	130	129	131	121	157	113	112	104	115	125	112	130	106	119	129	145	134	125
Audubon	36	45	31	42	49	47	45	48	48	65	54	42	49	71	82	74	70	64	65	59	74
Benton	147	153	141	150	174	159	150	156	157	153	168	178	160	169	163	158	189	190	182	206	210
Black Hawk	954	961	1002	974	1007	865	935	1074	1097	958	948	913	1044	1066	1130	1115	1144	1256	1289	1286	1153
Boone	178	177	191	164	179	196	208	179	202	224	192	194	216	209	205	209	224	235	247	259	220
Bremer	179	180	173	160	182	183	162	169	203	186	196	167	175	209	206	198	191	224	249	216	211
Buchanan	147	163	138	140	162	159	178	174	174	165	141	147	183	170	220	206	213	216	219	224	192
Buena Vista	164	143	163	136	150	167	149	164	165	164	155	163	180	171	188	189	173	207	210	189	176
Butler	94	93	91	92	87	98	111	97	81	101	113	103	107	123	127	124	134	122	133	145	146
Calhoun	52	72	70	67	65	72	70	80	71	69	77	84	76	110	93	99	119	117	113	113	104
Carroll	150	151	170	178	155	155	147	189	191	177	187	167	163	206	232	247	214	240	223	234	209
Cass	110	111	119	114	109	122	119	150	141	141	117	126	145	181	162	181	187	160	167	173	143
Cedar	109	119	125	118	129	153	117	139	121	118	122	117	103	134	140	148	176	156	135	144	149
Cerro Gordo	333	364	371	365	347	375	384	406	371	346	327	357	375	361	388	448	395	411	443	486	468
Cherokee	107	101	95	96	94	94	125	94	107	112	102	105	105	124	139	152	164	136	134	142	152
Chickasaw	580	611	623	601	690	630	721	806	751	800	741	775	791	897	963	915	910	850	874	961	863
Clarke	48	60	65	68	55	53	67	59	73	53	54	48	58	64	94	66	56	72	81	89	87
Clay	107	88	111	103	110	127	130	162	123	159	119	104	132	143	149	149	178	144	178	196	173
Clayton	136	139	150	121	136	155	141	149	162	160	144	151	154	166	164	182	186	204	183	197	182
Clinton	415	425	414	461	400	437	464	447	591	677	454	454	554	571	540	624	553	560	605	615	564
Crawford	122	149	146	141	132	128	142	131	119	141	134	144	135	152	176	142	149	163	144	151	136
Dallas	245	255	265	237	230	175	219	229	228	208	213	216	227	248	252	206	250	230	270	270	241
Davis	59	51	60	61	66	72	58	57	69	53	61	73	57	72	68	85	74	68	68	83	68
Decatur	60	88	61	66	59	81	60	67	66	70	80	72	80	75	74	71	75	81	82	84	81
Delaware	118	107	135	132	118	127	116	137	149	159	162	146	140	162	162	177	141	191	181	181	173
Des Moines	344	401	377	366	380	427	460	487	572	532	425	415	402	491	449	516	477	457	513	480	416
Dickinson	132	150	147	152	141	149	158	130	147	133	136	111	135	150	153	133	144	122	138	141	132
Dubuque	745	758	806	879	796	865	875	888	938	968	887	864	894	920	886	966	917	949	954	1003	883
Emmet	101	87	79	87	78	81	93	107	87	86	109	100	96	115	95	116	107	104	117	101	124
Fayette	127	152	147	132	156	169	160	193	185	175	157	177	185	182	181	225	219	201	222	247	234

Table 1. Marriages in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	109	110	120	119	124	124	133	134	123	128	120	137	155	160	145	152	176	153	154	161	151
Franklin	70	67	69	71	75	70	89	73	73	78	80	60	87	100	89	92	116	79	98	89	91
Fremont	68	70	65	81	71	72	54	75	73	67	71	66	52	80	81	65	71	80	78	63	82
Greene	72	70	72	76	73	66	93	107	104	84	74	84	73	86	99	99	99	105	94	118	102
Grundy	63	70	69	82	80	60	72	76	91	83	62	82	92	101	94	102	90	91	96	89	102
Guthrie	80	96	85	80	82	85	82	106	87	98	85	92	75	92	92	98	97	112	119	103	94
Hamilton	105	100	123	136	123	143	124	129	148	126	132	127	125	146	158	181	146	170	156	161	161
Hancock	78	83	99	75	84	93	93	95	82	80	77	101	101	100	101	103	112	101	121	111	132
Hardin	139	128	150	145	153	140	137	136	153	150	135	174	172	207	174	172	195	195	203	182	192
Harrison	101	103	92	100	105	114	130	124	134	117	111	122	136	145	145	137	131	147	144	152	121
Henry	137	164	159	158	152	171	164	156	171	183	168	158	167	168	166	158	171	164	162	179	135
Howard	69	69	77	74	61	70	83	75	88	94	68	81	92	106	92	98	82	104	114	99	117
Humboldt	56	68	71	91	82	64	90	89	67	97	83	75	82	109	98	109	100	107	109	102	128
Ida	46	72	51	46	65	51	46	63	61	53	63	45	59	66	61	67	65	69	84	83	66
Iowa	92	97	81	104	90	123	110	129	106	113	85	87	102	118	134	116	145	138	110	136	118
Jackson	144	152	190	157	157	192	148	184	195	188	198	181	176	177	200	214	218	238	218	191	206
Jasper	269	284	271	269	264	264	260	289	271	289	295	273	298	296	290	319	307	344	359	339	347
Jefferson	145	122	136	129	140	171	150	158	155	159	142	139	144	170	184	198	156	144	171	160	127
Johnson	668	689	651	710	637	653	685	770	774	721	668	677	697	734	746	727	706	731	679	683	690
Jones	129	151	133	135	145	144	145	155	146	157	137	163	159	138	169	162	187	169	162	167	168
Keokuk	82	78	66	69	72	64	84	101	77	76	91	66	99	111	118	90	107	122	120	118	111
Kossuth	136	123	112	142	117	131	119	154	145	143	138	134	152	160	188	212	179	182	169	203	195
Lee	337	377	376	383	368	359	365	396	487	437	373	372	412	446	423	407	399	442	446	429	416
Linn	1414	1422	1394	1436	1471	1516	1493	1525	1519	1505	1386	1365	1453	1507	1436	1532	1588	1562	1548	1487	1427
Louisa	84	83	76	83	61	82	76	69	92	96	85	93	91	101	89	97	107	74	95	96	87
Lucas	72	67	58	55	46	66	64	70	64	83	59	77	72	89	98	97	68	95	93	118	75
Lyon	69	66	80	61	86	87	71	77	78	78	81	91	90	101	102	120	117	116	110	105	90
Madison	138	158	135	103	126	97	82	97	101	91	87	79	66	104	108	103	96	100	108	120	103
Mahaska	156	208	170	201	175	202	195	189	201	194	183	167	179	202	212	214	213	201	211	231	223
Marion	249	238	237	227	252	239	251	326	258	242	249	259	246	272	266	279	283	296	282	291	266
Marshall	353	350	364	343	330	353	339	341	346	349	298	302	339	365	360	402	371	378	380	349	348
Mills	96	88	83	94	96	80	92	105	98	98	69	81	82	107	134	135	115	101	105	104	80
Mitchell	66	69	70	65	77	68	75	93	80	77	61	80	93	111	103	99	127	101	107	139	129

Table 1. Marriages in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	47	70	68	61	82	72	86	83	85	82	72	75	72	87	94	116	89	127	117	98	103
Monroe	70	57	72	83	72	63	68	73	61	65	61	67	77	76	81	77	85	83	100	70	60
Montgomery	95	105	93	96	104	100	113	99	97	106	90	84	103	101	141	111	117	105	127	113	148
Muscatine	383	406	422	322	410	355	402	421	429	373	340	415	383	375	412	444	454	398	397	396	388
O'Brien	105	107	96	111	107	109	97	120	124	113	88	107	119	112	122	139	149	139	158	148	162
Osceola	53	43	47	44	51	46	55	58	66	57	53	42	47	51	59	73	64	58	81	71	77
Page	110	123	108	130	146	130	111	144	107	136	136	136	137	163	148	170	136	154	186	174	177
Palo Alto	58	70	71	69	61	70	94	87	73	78	87	92	97	96	105	108	115	131	145	101	124
Plymouth	146	154	143	146	155	165	188	169	170	179	162	154	172	183	233	239	228	197	224	217	210
Pocahontas	52	60	49	42	54	54	56	57	70	76	82	51	84	95	96	93	79	94	109	104	111
Polk	2972	2840	2957	3112	3040	3013	3001	3217	3187	3108	2966	2928	2987	3130	3133	3114	3150	3118	3119	3133	3049
Pottawattamie	783	823	751	787	731	772	819	938	894	877	877	901	961	1085	1192	1052	998	978	987	951	908
Poweshiek	111	117	123	132	129	149	143	154	143	121	111	137	141	152	141	146	148	169	168	151	168
Ringgold	32	33	34	45	43	30	39	39	36	44	29	37	44	58	51	57	49	60	49	52	50
Sac	91	89	106	82	77	71	93	94	101	82	89	76	110	109	97	96	117	118	120	110	129
Scott	1236	1345	1312	1300	1385	1391	1484	1354	1726	1910	1353	1427	1505	1483	1484	1483	1523	1614	1555	1547	1344
Shelby	92	103	85	98	125	87	111	120	125	100	118	105	115	136	146	157	153	146	142	107	143
Sioux	227	233	216	229	231	203	222	221	208	223	225	225	246	245	214	250	247	277	266	248	297
Story	484	516	464	510	496	517	468	490	513	511	491	475	527	530	538	573	566	589	570	590	466
Tama	144	158	108	107	112	127	122	143	144	125	121	125	131	134	174	138	142	139	163	155	150
Taylor	51	41	43	48	58	52	50	55	50	50	47	48	43	67	70	62	71	60	85	73	66
Union	93	85	108	112	93	115	123	113	121	98	99	108	101	101	112	120	121	164	114	132	120
Van Buren	47	65	57	69	47	57	53	56	57	53	55	46	55	49	62	52	73	87	68	79	70
Wapello	282	321	330	320	334	351	363	365	317	353	309	353	369	392	365	424	409	396	426	394	399
Warren	254	287	293	281	291	307	292	333	304	273	260	278	288	284	315	316	311	329	269	305	274
Washington	123	173	160	158	157	153	153	137	140	146	152	145	135	176	187	165	181	162	199	185	162
Wayne	54	64	51	48	55	47	47	51	56	57	63	50	43	75	60	64	57	73	78	59	68
Webster	316	281	318	333	313	323	330	354	345	372	338	371	365	411	417	442	405	407	451	476	404
Winnebago	93	97	92	95	73	94	99	87	74	90	95	90	100	114	116	116	106	113	122	121	121
Winneshiek	137	131	158	149	149	158	130	180	158	147	171	160	151	184	170	188	204	185	159	226	220
Woodbury	789	774	752	815	716	761	714	760	752	738	674	705	802	844	812	758	843	883	914	919	807
Worth	41	51	51	45	45	51	48	66	63	48	63	62	54	74	75	71	69	57	68	85	72
Wright	72	96	90	95	89	84	97	81	104	82	88	99	112	125	149	148	139	152	148	142	136
State of Iowa	21909	22711	22573	22924	22822	23129	23533	24931	25267	25090	23062	23311	24578	26366	26769	27189	27153	27474	27925	28030	26419

Table 2. Dissolutions in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	27	30	24	27	26	30	21	30	24	22	26	26	27	39	26	24	20	34	19	28	25
Adams	7	17	15	16	20	14	18	18	11	15	17	23	17	9	27	11	20	11	16	12	9
Allamakee	26	42	33	32	52	44	31	26	38	24	30	32	43	33	32	25	43	29	33	29	30
Appanoose	55	61	61	53	53	67	64	54	66	62	34	56	51	55	66	82	50	59	57	31	49
Audubon	19	21	17	22	18	20	15	23	10	22	15	19	14	21	17	20	29	22	14	21	24
Benton	82	91	55	81	66	64	80	68	81	79	65	53	58	45	45	50	63	39	58	65	58
Black Hawk	313	328	400	405	490	553	496	493	523	514	476	496	512	564	560	539	670	671	683	646	625
Boone	112	105	95	120	110	97	123	96	104	106	120	102	113	95	104	97	114	133	139	114	112
Bremer	62	68	63	59	84	73	66	70	54	57	56	59	65	76	85	74	79	70	46	57	59
Buchanan	56	46	53	60	63	51	64	67	56	69	54	53	59	61	41	62	72	64	61	48	41
Buena Vista	75	58	71	67	49	57	75	75	63	57	56	68	63	54	50	58	72	59	51	50	63
Butler	28	51	50	40	38	36	40	45	33	42	31	38	42	42	44	37	30	35	48	38	36
Calhoun	33	26	31	43	28	31	27	39	27	23	27	39	40	32	35	33	37	39	31	28	34
Carroll	67	53	56	65	62	74	66	48	78	48	56	53	52	52	47	47	53	65	39	31	32
Cass	54	70	74	53	61	57	50	56	61	60	60	50	60	67	57	67	55	52	52	55	64
Cedar	52	55	48	44	61	49	64	47	69	53	65	55	55	39	65	67	64	67	58	60	45
Cerro Gordo	132	161	168	186	198	159	179	166	186	158	186	196	164	191	183	154	228	161	164	154	186
Cherokee	45	42	50	47	45	36	45	48	50	51	55	36	45	63	54	40	45	46	64	65	45
Chickasaw	41	20	39	32	37	40	43	28	29	42	37	30	34	32	34	36	38	38	29	32	33
Clarke	24	28	38	44	38	39	29	44	39	40	51	22	25	30	37	21	60	38	31	43	34
Clay	67	58	70	71	82	68	75	87	72	62	59	82	70	63	85	76	86	83	104	75	81
Clayton	45	63	46	56	43	53	41	41	44	44	33	45	49	43	54	49	65	59	58	42	43
Clinton	144	133	190	183	155	196	204	191	152	201	175	179	241	218	240	258	256	245	277	265	291
Crawford	64	51	65	65	65	63	67	73	77	62	62	75	53	66	57	64	60	64	46	61	55
Dallas	40	140	116	160	119	112	126	116	111	128	147	104	123	118	107	115	116	121	107	111	86
Davis	27	38	36	33	30	27	32	37	26	31	21	26	36	28	38	28	39	32	33	20	24
Decatur	19	32	42	28	23	31	36	29	32	28	23	31	24	29	33	36	44	37	29	33	33
Delaware	44	46	31	44	41	54	52	41	48	49	28	26	40	34	33	38	56	35	28	45	22
Des Moines	161	134	103	123	157	167	184	188	162	194	167	199	170	182	134	182	171	178	191	209	214
Dickinson	68	52	62	51	57	58	72	63	70	53	52	60	53	50	42	46	67	78	64	45	58
Dubuque	292	288	297	278	307	275	302	315	274	240	265	251	258	261	231	260	268	293	258	299	268
Emmet	33	43	37	38	42	26	26	37	38	33	34	32	38	44	27	37	43	57	44	30	42
Fayette	63	72	80	68	61	74	55	82	64	64	52	54	44	67	56	40	60	64	60	72	61

Table 2. Dissolutions in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	61	49	74	82	48	41	52	57	57	56	55	51	56	56	60	76	59	82	78	65	72
Franklin	29	44	41	40	37	39	36	32	32	34	30	28	38	37	35	35	48	47	34	29	25
Fremont	25	33	27	36	30	40	40	33	31	30	25	32	36	26	27	41	48	29	34	30	30
Greene	28	21	46	41	46	31	41	38	40	40	52	39	30	22	32	33	27	33	34	47	38
Grundy	38	26	33	38	35	39	22	27	27	21	31	21	33	30	28	18	36	35	32	26	31
Guthrie	38	46	41	48	58	46	41	42	40	44	41	38	33	34	40	41	39	38	45	38	41
Hamilton	76	67	79	68	76	87	55	66	60	56	61	58	50	55	65	57	57	56	66	50	56
Hancock	24	33	39	32	31	24	40	26	21	33	33	32	29	32	33	36	43	35	53	43	32
Hardin	62	66	77	68	71	60	74	69	68	73	46	52	67	58	62	58	71	62	62	72	70
Harrison	61	56	63	50	49	58	46	61	57	54	58	57	63	56	62	75	61	58	45	50	59
Henry	71	85	92	87	82	96	99	86	73	90	66	52	56	64	59	55	65	61	73	95	71
Howard	28	21	21	27	16	29	33	27	19	30	23	24	23	22	23	22	21	16	15	16	19
Humboldt	33	26	25	41	45	32	37	29	39	31	34	24	28	39	40	31	32	38	38	21	22
Ida	25	27	30	22	42	29	36	17	24	27	24	27	20	17	21	30	23	24	25	20	24
Iowa	47	62	51	49	43	46	38	49	52	37	20	40	29	45	31	42	34	39	51	41	32
Jackson	57	50	59	67	63	76	63	53	50	62	68	38	53	48	31	45	57	41	34	34	35
Jasper	52	66	67	84	124	128	145	156	158	131	165	144	123	117	123	132	167	154	157	145	137
Jefferson	78	68	82	111	96	112	94	85	90	69	76	90	98	82	84	77	71	64	50	56	50
Johnson	270	273	270	298	238	283	253	237	216	216	286	224	270	289	313	319	305	331	370	366	374
Jones	90	65	68	57	54	67	57	69	55	54	61	50	59	65	45	51	73	56	56	56	64
Keokuk	19	23	24	21	26	26	25	12	31	28	28	20	21	21	21	29	39	24	30	27	25
Kossuth	44	38	59	37	48	43	44	40	38	44	40	44	37	49	34	44	56	49	59	38	44
Lee	122	139	144	157	157	168	143	203	151	191	179	155	174	186	174	183	216	218	198	196	195
Linn	572	648	692	600	648	655	647	606	566	608	548	531	584	576	540	541	559	579	533	534	522
Louisa	39	48	49	61	54	52	44	43	54	51	39	48	40	37	37	40	44	59	50	40	36
Lucas	42	47	41	47	46	46	47	39	40	40	38	31	51	38	35	48	45	48	45	30	38
Lyon	13	28	23	27	21	16	19	11	19	26	15	19	24	13	20	13	18	18	24	12	11
Madison	58	51	54	44	49	47	54	62	50	42	56	32	35	27	53	41	53	45	48	46	28
Mahaska	108	109	124	124	116	118	132	125	96	115	81	72	108	107	99	89	103	100	79	96	70
Marion	111	117	125	118	139	107	106	127	122	114	137	111	109	122	98	106	113	112	106	113	112
Marshall	188	179	191	191	194	221	182	195	174	201	166	163	160	152	190	185	193	219	193	188	172
Mills	50	42	67	56	58	53	47	54	48	50	41	60	31	59	54	40	65	62	58	142	39
Mitchell	33	30	33	37	27	25	29	27	20	23	25	19	23	24	28	17	22	21	25	20	22

Table 2. Dissolutions in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	26	40	34	43	33	29	26	25	32	44	27	34	29	26	37	20	45	39	40	39	39
Monroe	30	28	24	38	31	32	37	38	28	29	26	19	23	27	24	30	26	26	17	14	14
Montgomery	61	70	75	56	64	58	51	44	68	72	72	64	68	62	42	39	77	69	58	56	40
Muscatine	192	207	197	219	220	255	187	212	219	244	279	225	212	225	229	238	227	227	258	248	228
O'Brien	31	43	39	35	45	39	40	41	35	45	44	28	37	32	28	29	40	28	31	34	27
Osceola	9	16	20	13	19	14	17	16	18	13	11	16	11	12	17	16	19	8	20	13	10
Page	63	74	55	76	70	90	89	70	75	60	67	75	75	63	99	69	109	73	85	75	82
Palo Alto	13	31	34	33	28	20	22	22	29	21	18	28	29	34	31	34	27	35	23	27	31
Plymouth	71	63	61	59	64	74	56	65	47	72	51	53	63	63	56	42	54	55	45	60	37
Pocahontas	17	25	31	23	20	29	21	30	27	31	26	18	18	27	32	29	22	33	27	28	26
Polk	1527	1677	1529	1761	1608	1709	1810	1642	1665	1780	1705	1707	1716	1578	1571	1703	1888	1919	1747	1788	1812
Pottawattamie	413	434	499	418	446	499	466	465	465	468	439	488	446	434	429	465	553	513	494	493	496
Poweshiek	84	65	59	69	70	77	69	71	82	60	60	75	58	58	82	55	55	48	76	65	61
Ringgold	19	16	17	15	14	17	18	21	21	16	16	17	10	28	28	20	30	17	19	15	18
Sac	35	30	36	31	39	30	37	32	29	28	32	37	29	30	31	38	33	35	29	44	29
Scott	601	648	630	719	679	677	649	725	664	735	777	743	747	736	804	873	962	984	866	854	825
Shelby	40	36	39	36	35	44	39	37	41	40	36	33	31	33	37	31	53	39	42	35	22
Sioux	56	59	57	48	57	48	53	48	41	55	33	46	42	46	52	40	31	48	32	37	26
Story	177	178	184	231	172	124	212	208	211	212	203	195	165	207	226	253	258	241	234	233	232
Tama	38	55	51	62	51	54	49	58	65	51	53	56	45	56	51	58	58	46	52	35	47
Taylor	17	15	24	24	27	17	20	12	15	22	25	29	30	25	30	19	28	19	25	31	24
Union	46	48	56	64	52	54	51	74	63	46	46	63	45	60	65	77	64	72	42	62	59
Van Buren	32	23	43	30	28	31	36	40	26	30	32	32	27	22	23	25	30	17	27	31	23
Wapello	153	187	153	188	158	148	197	204	157	177	169	166	209	224	206	210	228	215	245	244	236
Warren	122	168	139	134	144	133	135	149	128	130	155	122	133	120	121	140	146	138	133	119	138
Washington	52	61	86	67	64	68	79	86	60	70	61	70	76	66	68	66	70	43	49	64	57
Wayne	25	20	23	14	24	28	22	30	32	17	25	19	16	31	17	33	28	21	20	15	28
Webster	185	164	180	174	203	163	173	177	184	174	197	167	148	168	174	169	189	188	186	185	174
Winnebago	34	46	43	39	43	46	34	35	31	29	27	39	36	49	21	34	35	48	50	45	43
Winneshiek	40	55	49	48	41	41	43	50	45	67	41	65	68	48	49	46	48	51	53	23	47
Woodbury	476	478	472	464	428	467	443	447	449	451	409	429	474	431	490	475	526	540	538	456	421
Worth	16	24	23	28	21	30	21	23	20	22	27	16	23	19	18	19	26	22	31	10	25
Wright	42	57	56	66	54	44	48	72	45	43	55	54	57	61	57	51	50	66	40	49	35
State of Iowa	9712	10347	10545	10885	10700	10924	10939	10913	10507	10808	10527	10324	10525	10509	10588	10869	12071	11854	11426	11123	10890

Forty-nine counties reported fewer than 50. Adams and Osceola were the only counties with fewer than 10 dissolutions.

Between 1996 and 1997, the number of dissolutions decreased in 61 counties and increased in 38. Increases were 10 or more in 14 counties, with no gain greater than 30. Among the counties with fewer dissolutions in 1997 than in 1996, 31 declined by 10 or less. The largest drops occurred in Dallas, Linn, and Polk, the only counties where the number of dissolutions declined by at least 50.

Across the state, there were 815 fewer dissolutions in 1997 than in 1987. Nearly half (48) of the counties followed that trend. Forty-six counties had more dissolutions at the end of the period than at the beginning, while five had the same number both years. The comparison of 1977 and 1997 continued these trends. Nearly 1,200 fewer dissolutions occurred at the end of the period than the beginning. Declines of at least 100 took place in Black Hawk, Clinton, Johnson, Polk, and Scott.

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

Figure 1. Marriages and dissolutions in Iowa, 1915-1997.



Employment and Unemployment in Iowa's Counties: 1980-1997

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Iowa's labor force was estimated to include 1,577,000 people in 1997 (Table 1). The state's labor force generally declined from 1980 through 1984. The pattern changed back to growth from 1984 to 1985 and increases occurred each year until a decline took place from 1989 to 1990. Gains occurred through 1994, with the years following alternating between decline and growth. Labor force data include persons who are unemployed and looking for work as well as those who are already employed. This information is estimated by Iowa Workforce Development (formerly the Iowa Department of Employment Services) in cooperation with the Bureau of Labor Statistics of the U.S. Department of Labor; the methods used are consistent from state to state. The information on unemployment includes the number of persons receiving unemployment benefits plus an estimate of the number unemployed who do not receive such benefits. The data on employment are derived from monthly surveys of those employed in nonfarm jobs plus estimates of those self-employed and those working on farms. Additional factors are applied to account for multiple job holders, commuters, and new and re-entering workers.

In 1997, Polk County had 210,700 in the labor force, nearly double the next highest county (Linn, 108,500). Adams and Ringgold, in contrast, reported fewer than 3,000 in the labor force. Polk's labor force increased by 24,400 between 1987 and 1997. Black Hawk, Dubuque, Johnson, Linn, and Story each had gains of more than 5,000. Although Iowa had 128,000 more people in the labor force in 1997 than in 1987, 28 counties had a smaller labor force at the end of the period. Of these 28 counties, only Winnebago declined by as much as 1,000, however.

Employment

Employment in Iowa in 1997 (1,526,000) was 7,500 below that for 1996 (Table 2); the 1996 figure was the high point in the period examined. The annual gains recorded from 1985 through 1989 and again from 1990 to 1994 show that the state rebounded from employment losses from 1980 through 1982, from 1984 to 1985, and from 1989 to 1990.

In Iowa's counties in 1997, the number employed ranged from under 3,000 in Adams and Ringgold to 205,000 in Polk. Eighteen 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 1997; another 31 had employment totals ranging from 10,000 to 49,999.

The state had 157,000 more employed persons in 1997 than in 1987, an increase of 11.5 percent. Polk increased the most (+27,100) and Linn was second (+18,700); Black Hawk (+12,700) was the only other county gaining at least 10,000 employees. Black Hawk, Linn, and Polk together accounted for more than a third (37.3%) of the state's gain in employment from 1987 to 1997. Twenty-two counties had lower numbers employed in 1997 than in 1987, although only Winnebago had a decrease as great as 1,000 during this period.

Between 1987 and 1997, employment increased more than 25 percent in four counties (Bremer, Hancock, Jefferson, Madison), with the greatest percentage increase occurring in Hancock (+57.5%); another 42 counties had gains of 10-25 percent. Declines from 1987 to 1997 of at least 25 percent

Table 1. Labor Force Estimates in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4310	4410	4460	4330	4150	4180	4010	4010	4550	4620	4410	4450	4430	4420	4560	4440	4450	4560
Adams	2290	2390	2390	2460	2370	2410	2410	2430	3100	3190	3050	2920	2870	3030	2780	2660	2590	2690
Allamakee	7610	7740	7600	7680	7480	7410	7250	7160	7680	7630	7470	7510	7390	7380	7150	6990	6920	7040
Appanoose	6790	6700	6630	6810	6790	6710	6600	6340	6530	6600	6320	6150	5850	5910	5780	6020	6020	6110
Audubon	3560	3740	3670	3710	3650	3820	3740	3600	3510	3490	3490	3660	3740	3880	4090	4050	4100	4060
Benton	11990	12120	11780	11750	11670	11330	11080	11400	10790	10800	10230	10730	10650	10660	10830	10940	10910	11200
Black Hawk	68600	68700	67800	68100	69200	66200	64000	62100	61400	60600	58060	59220	59880	61710	64950	67170	68690	69500
Boone	13870	14020	13630	13710	13460	13030	12830	12600	12800	12890	12040	12250	11940	12070	12310	12090	12290	12300
Bremer	12900	12700	12300	12400	12700	12300	11900	11400	10700	10500	10120	10120	10190	10590	11190	10720	10610	10920
Buchanan	10910	10920	10690	10650	10380	10030	9840	9550	9950	10080	9810	9970	9900	10130	11270	11110	10910	11250
Buena Vista	10840	11110	11020	11160	11090	10790	10500	10000	11350	11630	11090	10940	10990	10930	11110	10330	10560	10750
Butler	7800	8130	8070	8260	7930	7890	7560	7320	7450	7350	7470	7660	7730	7920	8140	7820	7880	8290
Calhoun	4980	5190	5170	5180	5270	5190	5040	4960	5510	5560	5450	5580	5660	5790	6150	6200	6200	6240
Carroll	12360	12140	11900	12010	12120	11560	10980	10690	11720	11440	11120	11160	11080	11200	12270	12050	12180	11700
Cass	7700	7730	7680	7770	7790	7720	7510	7530	8520	8400	8260	8340	8510	8780	9250	8970	8910	8890
Cedar	9580	9680	9460	9670	9670	9300	9220	9070	9670	9560	9030	8980	8880	9020	8440	8520	8290	8370
Cerro Gordo	26560	26990	26100	25980	25980	25510	25810	25170	26370	26490	25610	25570	25450	24710	24110	23920	24620	24090
Cherokee	7000	7070	6910	7080	7050	6950	6880	6710	7010	7120	7100	7510	7450	7550	7740	7610	7630	7710
Chickasaw	7540	7770	7690	7600	7480	7270	7100	7060	7320	7220	7170	7320	7470	7340	7330	7130	7170	7340
Clarke	4080	4030	3870	4000	4090	4220	4360	4220	4590	4440	4200	4140	4010	3920	4700	4550	4710	4820
Clay	10050	10150	9660	9650	9410	9060	8850	8960	9270	9240	8780	8750	8890	9150	9810	9900	10080	10240
Clayton	10790	10830	10450	9620	9680	9620	9200	9190	10200	10220	9770	10010	9930	10110	10540	10320	10250	10300
Clinton	27160	27720	26920	27120	27390	27020	26150	25530	23820	23790	23030	23230	23260	23940	25570	26570	26960	28050
Crawford	8930	8970	8790	8850	8880	8660	8430	8500	8980	9200	9120	9150	9060	9240	10470	10230	10130	9840
Dallas	18700	19000	18300	18100	17800	17100	16400	16100	17000	16300	15480	15200	15020	15820	15520	13560	13300	13450
Davis	4170	4350	4330	4340	4280	4100	4010	3860	3840	3870	3740	3860	3680	3760	3700	3720	3690	3600
Decatur	3830	3820	3930	4030	3950	3890	3850	3790	3930	3820	3940	4070	4230	4090	3980	4160	4070	4160
Delaware	9610	9550	9180	9340	9080	9070	8970	8790	8880	8720	8410	8420	8490	8760	9140	8960	8880	8950
Des Moines	23400	23900	23410	23600	23710	23060	22440	22030	23100	23020	22480	22120	21410	21520	19060	19240	19600	19720
Dickinson	9860	10170	9720	9540	9500	8850	8280	8030	9780	9340	8770	8650	8510	8670	7700	7480	7430	7380
Dubuque	49600	50500	49900	50100	49900	48400	47300	46000	44900	44700	43590	43360	42330	41900	42750	43100	44980	45670
Emmet	5760	5720	5550	5650	5760	5770	5690	5540	5050	5100	5070	5220	5410	5690	5920	6160	6340	6280
Fayette	11250	11490	11410	11500	10790	10660	10400	10260	10550	10610	10380	10870	11130	11470	11530	11420	11370	11560

Table 1. Labor Force Estimates in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	8050	8380	8110	8480	8710	8760	8620	8550	8730	8720	8410	8390	8470	8620	7680	7740	7750	7980
Franklin	6120	6120	6040	6070	5870	5840	5690	5730	5290	5340	5480	5710	5770	5670	6300	6350	6280	6540
Fremont	3740	3890	3940	3990	3930	3820	3710	3730	4300	4300	4290	4350	4590	4830	6030	5820	5800	5580
Greene	5020	5220	5120	5250	5290	5240	4990	4880	5230	5190	5190	5290	5320	5400	5350	5320	5300	5640
Grundy	6220	6080	5980	6240	6110	6030	5820	5780	6770	6670	6480	6660	6750	6980	6410	6290	6170	6200
Guthrie	5990	6050	5890	5820	5880	5640	5650	5440	5390	5260	5210	5370	5320	5280	5750	5670	5590	5750
Hamilton	8570	8630	8550	8700	8520	8760	8480	8350	10400	10200	9420	9420	9150	9270	9160	8990	8960	8650
Hancock	9240	6030	6100	6090	5900	5920	5990	6220	6430	6350	6070	6130	6180	6100	6680	6740	7070	7120
Hardin	9540	9630	9570	9610	9580	9490	9430	9380	9580	9760	9790	9950	9960	10120	10880	10860	10950	10890
Harrison	7680	7730	7480	7620	7610	7430	7220	7100	6960	7040	6800	6830	6930	7080	7460	7330	7130	7180
Henry	11070	11220	11100	11070	10830	10530	10170	10020	12280	11830	10910	10440	9970	9460	10000	9860	9940	9900
Howard	5460	5450	5340	5280	4890	4890	4690	4600	5030	5090	4970	4990	5060	5030	5520	5400	5390	5610
Humboldt	5600	5580	5340	5380	5250	5140	5000	4960	5330	5510	5260	5430	5510	5550	5510	5430	5520	5460
Ida	4260	4250	4100	4150	4080	3850	3760	3880	4740	4720	4370	4210	4160	4150	4480	4320	4170	4250
Iowa	9370	9520	9200	9470	9390	9010	8390	7990	8620	8370	8140	8100	8050	8270	8970	8650	8970	9250
Jackson	10600	10770	10390	10950	10920	10610	10270	9990	10880	10800	10270	9980	10100	10130	10480	10390	10300	10390
Jasper	19150	18890	18460	18410	18160	17990	17950	17860	17950	18120	17710	17220	17380	17370	16010	15870	16040	16420
Jefferson	10460	9850	9550	9740	9560	9000	8590	8490	9220	9180	8470	8530	8080	7980	7490	7570	7720	7840
Johnson	64700	65200	64300	64600	63800	60300	58400	57500	62000	60600	59520	58130	54750	53960	48280	45980	44620	43720
Jones	9720	9860	9630	9570	9440	9570	9330	9300	9430	9150	8850	8870	8750	8780	9780	9910	9690	10020
Keokuk	5360	5290	5050	5150	5160	5230	5260	5320	5820	5700	5540	5830	5940	5770	5320	5310	5220	5240
Kossuth	9170	9060	8730	8950	8810	8960	8900	8830	9250	9190	9080	9560	9780	9760	11170	11060	11090	11410
Lee	19630	20040	19640	19710	19660	19590	19480	18870	18450	18520	18450	18700	18630	18810	20210	20620	21390	21430
Linn	108500	109100	107000	105900	104700	99900	96700	96600	97700	96500	91790	89340	85720	83960	84650	85570	87890	89620
Louisa	5790	6600	6480	6460	6560	6360	6090	5900	7800	7790	6610	5860	5110	4960	4890	5600	6160	5370
Lucas	3960	3980	4080	4380	4400	4430	4290	4260	4940	4930	4810	4950	5000	4990	4670	4620	4630	4550
Lyon	5820	5910	5750	5870	5930	5900	5650	5650	6170	6040	5780	5890	5590	5720	6130	6080	6020	6360
Madison	7500	7690	7470	7390	7040	6480	6370	6360	6170	6290	5970	5800	5570	5640	5700	5720	5780	5860
Mahaska	11270	11080	11070	11290	11120	10820	10580	10530	10500	10540	10180	10150	10060	9940	9790	9660	9850	9940
Marion	18000	18120	17500	17050	17130	16390	15890	15730	16370	16190	15560	15010	14260	13930	16170	15940	16330	16270
Marshall	20530	21050	20770	21030	20770	20240	20150	19980	20280	19950	19350	19920	19720	20510	19570	19680	19320	19370
Mills	6120	6300	6180	6590	6550	6600	6550	6420	5610	5620	5460	5570	5850	6050	6450	6570	6410	6410
Mitchell	5620	5740	5680	5710	5500	5300	5170	5150	5830	5770	5640	5760	5760	5650	6120	6090	6070	6000

Table 1. Labor Force Estimates in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	5330	5170	5170	5200	5170	4820	4440	4460	4780	4780	4670	4790	4890	5100	5470	5350	5300	5400
Monroe	4170	4180	4240	4180	4100	3940	3910	3730	4000	3700	3670	3710	3870	3810	4330	4400	4930	4850
Montgomery	6270	6390	6030	6190	6150	6000	5990	6110	6460	6130	5870	5900	6080	6320	6480	6370	6350	6570
Muscatine	21080	21910	21350	21470	21880	21480	20900	20830	21630	21400	20980	21070	20760	20480	21610	21640	21510	20360
O'Brien	7990	8100	7900	8010	7940	7640	7420	7310	8080	8070	7760	7750	7720	7900	8270	7970	7770	7880
Osceola	3720	3830	3690	3680	3640	3700	3580	3510	3540	3500	3420	3480	3510	3690	3510	3540	3520	3440
Page	9250	9380	9090	9230	8980	8570	8160	8120	8450	8410	8130	8400	8570	8750	9020	9080	8940	9020
Palo Alto	5550	5560	5260	5380	5300	5230	4910	4840	5240	5230	5190	5190	5380	5640	5630	5510	5400	5480
Plymouth	12990	13060	12670	12980	12910	12600	12350	11810	12510	12490	12140	11900	11720	11650	11490	11320	11320	11420
Pocahontas	4320	4390	4320	4320	4250	4330	4310	4340	4960	4920	4820	4820	4830	5000	4750	4780	4770	4720
Polk	210700	214100	209400	208800	208700	200100	193300	189500	199100	196100	186320	179650	171370	166850	163030	165450	165500	165770
Pottawattamie	48000	47700	46400	46500	46700	45000	43900	43600	48700	48300	47330	46800	44890	46070	41920	42170	41990	41170
Poweshiek	10300	10460	10370	10400	10370	10170	9800	9970	10920	10830	10300	9980	9710	9490	10260	10230	10090	10170
Ringgold	2660	2720	2620	2720	2680	2700	2610	2560	2580	2590	2520	2610	2580	2670	3340	3300	3300	3230
Sac	6050	6040	5980	6130	6040	6070	5900	5860	5690	5690	5560	5700	5710	6030	6200	6250	6220	6390
Scott	84400	84500	82500	83700	85500	83400	80600	78600	82800	83700	81570	80900	75880	72770	72410	74620	75760	75050
Shelby	7090	7180	6740	6880	6830	6720	6660	6540	6850	6910	6690	6890	7050	7060	6820	6730	6750	6570
Sioux	17690	17450	16990	17210	16880	16120	15450	15260	16390	15980	15150	14900	15160	14890	16560	15790	15790	16200
Story	45170	45760	44700	45570	44910	43030	41920	41750	42550	42080	40100	39610	38950	38500	39240	38170	37960	38470
Tama	9270	9570	9670	9480	9110	8170	8160	8220	8870	8920	8870	8860	8680	8440	9800	9740	9430	9680
Taylor	3350	3470	3380	3300	3230	3220	3280	3090	3360	3330	3390	3510	3540	3640	3570	3540	3480	3500
Union	6410	6460	6310	6310	6470	6320	6050	6060	6620	6540	6330	6370	6200	6320	7320	7350	7320	7160
Van Buren	4400	4180	4040	4050	4030	3840	3720	3610	3630	3650	3750	3780	3740	3700	3910	3850	3890	3820
Wapello	18030	18560	18240	18510	18540	17900	17410	16880	15840	15700	15440	16260	16420	16910	16400	16490	16900	17150
Warren	22800	23200	22700	22600	22500	21500	20700	20300	20600	20400	19290	18540	18580	18850	18290	18540	18680	18850
Washington	11360	11530	11180	11210	11160	10960	10680	10390	9520	9510	9470	9600	9580	9690	9740	9630	9810	9880
Wayne	3200	3390	3350	3390	3290	3310	3140	3200	3280	3250	3220	3260	3270	3370	3810	3760	3790	3710
Webster	20020	20240	20240	20260	20270	19880	19530	19460	20810	20800	20200	20570	20880	21180	21600	22000	22530	22920
Winnebago	4860	7000	6690	6790	6700	6370	5970	6410	7640	7790	7350	7120	7250	7330	6260	5820	5690	5860
Winneshiek	12290	12350	12030	12060	11920	11770	11430	11280	13120	12050	12350	12330	11940	11840	12120	11880	11640	11340
Woodbury	55100	56100	55000	54900	55100	52800	51300	50100	52300	51800	51200	49310	48250	48400	46790	45890	47000	46110
Worth	4150	4220	4070	4070	4090	3940	4010	4030	4980	4870	4650	4430	4450	4550	4010	3830	3810	3970
Wright	7030	7260	7310	7040	7020	7210	7180	7100	7970	7790	7500	7640	8000	8350	8240	7980	7660	7630
State of Iowa	1577200	1593100	1559500	1566200	1559900	1511700	1470400	1448000	1513000	1500000	1449000	1439000	1412000	1411000	1420000	1417000	1427000	1432000

Table 2. Estimates of the Number Employed in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4180	4260	4300	4190	4010	4040	3890	3920	4380	4480	4260	4250	4220	4220	4310	4250	4270	4370
Adams	2160	2170	2320	2380	2290	2310	2300	2340	3000	3100	2940	2800	2710	2890	2630	2510	2480	2580
Allamakee	7260	7350	7210	7310	7130	6970	6850	6760	7220	7240	6980	6930	6620	6690	6520	6340	6310	6470
Appanoose	6470	6330	6260	6440	6440	6290	6180	5910	6120	6200	5860	5570	5190	5280	5020	5170	5410	5460
Audubon	3440	3610	3550	3610	3570	3710	3630	3480	3380	3370	3310	3380	3420	3600	3830	3840	3910	3910
Benton	11580	11620	11280	11270	11210	10780	10500	10820	10300	10330	9620	9910	9750	9950	9880	9580	10090	10630
Black Hawk	65900	65600	64800	64700	65400	62000	60000	58600	58100	57100	53190	51650	51260	54300	56350	59010	63170	64630
Boone	13480	13640	13220	13240	12970	12460	12200	12070	12300	12430	11410	11480	11160	11400	11390	11220	11670	11730
Bremer	12600	12400	12000	12100	12200	11700	11300	11000	10300	10100	9400	9140	9230	9780	10160	9680	9890	10280
Buchanan	10460	10390	10210	10140	9800	9380	9260	9040	9440	9590	9120	9040	8790	9090	9960	10030	10140	10540
Buena Vista	10610	10830	10760	10860	10790	10500	10250	9740	11100	11310	10720	10450	10450	10440	10560	9580	10090	10410
Butler	7470	7700	7660	7800	7500	7360	7090	6990	7090	6960	6930	6930	6980	7280	7270	7040	7290	7780
Calhoun	4820	5000	4990	5000	5080	5000	4880	4840	5360	5360	5190	5230	5220	5480	5800	5830	5920	6030
Carroll	11960	11730	11460	11620	11750	11200	10570	10250	11180	10940	10480	10370	10190	10540	11500	11160	11370	11070
Cass	7320	7310	7330	7400	7400	7320	7100	7120	8160	8050	7790	7820	7840	8080	8740	8490	8460	8520
Cedar	9290	9310	9200	9380	9360	8950	8940	8820	9370	9200	8630	8450	8280	8570	7890	7940	7950	8090
Cerro Gordo	25700	25900	25180	24790	24640	23960	24380	23860	25110	25160	24140	23750	23390	23010	22220	22020	22860	22610
Cherokee	6790	6830	6690	6850	6850	6730	6680	6530	6770	6860	6660	7000	7050	7190	7360	7210	7200	7420
Chickasaw	7180	7330	7300	7170	7030	6770	6620	6640	6930	6830	6630	6570	6560	6590	6360	6290	6400	6550
Clarke	3900	3810	3640	3720	3750	3920	4070	4010	4350	4160	3930	3790	3650	3600	4350	4150	4380	4520
Clay	9760	9880	9390	9360	9140	8770	8550	8760	9010	8950	8360	8210	8200	8440	9270	9340	9510	9760
Clayton	10280	10170	9890	9050	9130	9030	8650	8690	9630	9640	9110	9190	8860	9190	9570	9270	9410	9480
Clinton	26140	26390	25600	25880	26040	25410	24570	24060	22230	22170	21250	21120	20750	21570	22560	23260	24760	26470
Crawford	8640	8660	8490	8530	8490	8300	8050	8020	8310	8560	8670	8600	8450	8690	9900	9580	9640	9490
Dallas	18300	18600	17900	17600	17300	16400	15900	15600	16000	15700	14800	14230	14140	14980	14480	12580	12460	12670
Davis	4010	4180	4150	4150	4100	3880	3770	3720	3630	3610	3420	3440	3320	3450	3270	3330	3390	3400
Decatur	3660	3600	3660	3800	3650	3600	3600	3550	3800	3630	3700	3750	3930	3830	3650	3910	3850	3960
Delaware	9140	8930	8710	8830	8580	8560	8490	8400	8360	8320	7920	7750	7550	8020	8190	8030	8150	8270
Des Moines	22470	22730	22370	22480	22430	21620	21120	20890	21750	21610	20990	20210	19130	19470	16550	16770	17650	18150
Dickinson	9500	9840	9390	9140	9180	8540	7980	7770	9490	8970	8300	7970	7710	8060	7120	6920	6970	6980
Dubuque	47700	47600	48100	48200	47800	45700	44400	43300	42200	42300	40920	40000	38280	38320	37580	36960	40150	41760
Emmet	5510	5470	5280	5360	5500	5450	5360	5230	4760	4800	4630	4580	4610	5070	5120	5380	5910	5940
Fayette	10880	11020	10940	11060	10280	10060	9850	9830	10080	10120	9710	9880	10000	10470	10370	10220	10610	10780

Table 2. Estimates of the Number Employed in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	7660	7940	7670	7750	8100	8150	8050	8090	8290	8230	7770	7500	7170	7770	6370	6620	6800	6960
Franklin	5930	5920	5860	5870	5660	5580	5450	5500	5060	5070	5090	5310	5350	5290	5800	5910	6020	6280
Fremont	3630	3740	3810	3850	3740	3600	3530	3600	4140	4130	4090	4050	4200	4470	5740	5550	5620	5440
Greene	4890	5040	4900	5030	5080	5020	4750	4640	4880	4940	4900	4890	4820	4970	4920	4870	4920	5290
Grundy	6050	5850	5750	6050	5920	5800	5630	5630	6580	6410	6200	6260	6340	6600	5920	5910	5930	5920
Guthrie	5810	5840	5690	5590	5650	5390	5410	5230	5060	5060	4930	4960	4940	4960	5420	5320	5270	5480
Hamilton	8300	8360	8200	8420	8220	8320	8130	7960	10030	9900	9040	8860	8570	8710	8570	8450	8450	8250
Hancock	9070	5850	5900	5900	5670	5590	5650	5860	6130	6140	5760	5650	5590	5760	6250	6210	6710	6590
Hardin	9140	9250	9190	9300	9200	8990	8910	8950	9190	9250	9140	9340	9370	9510	10360	10340	10480	10520
Harrison	7410	7420	7140	7270	7250	7000	6840	6820	6560	6600	6360	6290	6290	6540	6820	6730	6750	6860
Henry	10770	10840	10740	10690	10450	10050	9720	9670	11810	11370	10360	9830	9230	8760	9190	9060	9180	9320
Howard	5280	5220	5140	5090	4700	4680	4500	4420	4760	4770	4700	4590	4590	4670	5090	4960	5050	5260
Humboldt	5470	5440	5200	5210	5080	4970	4800	4800	5160	5350	5020	5050	5080	5170	5110	5070	5220	5170
Ida	4140	4140	3990	4050	3980	3740	3630	3780	4610	4600	4230	4040	3950	3980	4340	4180	4040	4110
Iowa	9130	9250	8980	9280	9170	8780	8180	7790	8420	8150	7870	7650	7530	7930	8550	8070	8550	8980
Jackson	10040	10080	9800	10390	10370	9920	9600	9350	10100	10000	9490	9050	8920	9140	9070	8990	9260	9480
Jasper	18630	18240	17840	17800	17480	17270	17160	17230	17210	17370	16850	16110	16300	16230	14630	14180	14760	15160
Jefferson	10120	9540	9180	9290	9150	8520	8190	8140	8770	8740	7880	7850	7500	7470	6870	6790	7190	7370
Johnson	63100	63300	62500	62900	62100	58300	56700	55800	61000	59400	58310	56590	53040	52640	46570	44040	42510	42190
Jones	9360	9440	9220	9170	8990	9000	8850	8850	9040	8790	8350	8270	8010	8120	8950	9010	9080	9470
Keokuk	5120	5030	4810	4920	4900	4910	4990	5080	5530	5380	5200	5350	5450	5320	4810	4750	4670	4800
Kossuth	8930	8760	8390	8590	8490	8520	8420	8440	8820	8730	8500	8810	8940	9120	10460	10260	10390	10720
Lee	18560	18810	18650	18610	18230	18000	18010	17660	17060	16990	16660	16790	16680	16990	17960	18150	19460	19900
Linn	105700	105900	104000	102700	101200	95700	92000	91300	94100	93000	87030	83780	79570	77940	77650	77300	80800	83800
Louisa	5520	6300	6220	6200	6230	5990	5780	5640	7490	7500	6270	5450	4590	4540	4350	5270	5930	5160
Lucas	3790	3770	3850	4150	4130	4130	4050	4000	4700	4720	4540	4660	4620	4650	4350	4260	4340	4280
Lyon	5690	5740	5590	5720	5760	5750	5520	5530	6020	5870	5590	5620	5330	5460	5860	5880	5750	6100
Madison	7210	7380	7150	7070	6730	6130	6020	6090	5850	5960	5660	5340	5160	5240	5230	5250	5370	5530
Mahaska	10950	10690	10680	10940	10690	10370	10100	10120	10000	10160	9710	9460	9220	9320	9090	8860	9190	9390
Marion	17450	17500	16910	16490	16530	15800	15280	15150	15820	15670	15010	14370	13700	13350	15420	15100	15670	15640
Marshall	19900	20290	20100	20410	19930	19410	19420	19320	19510	19140	18170	18490	18170	18950	17490	17820	18130	18300
Mills	5940	6090	5980	6380	6320	6320	6330	6190	5380	5410	5200	5180	5420	5710	6150	6280	6150	6210
Mitchell	5490	5540	5500	5480	5290	5090	4940	4950	5630	5560	5360	5330	5210	5240	5530	5590	5570	5520

Table 2. Estimates of the Number Employed in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	5160	4980	4990	5020	4960	4600	4250	4300	4550	4490	4330	4390	4450	4700	5090	4960	4980	5100
Monroe	3990	3990	4050	4010	3900	3730	3680	3530	3750	3440	3360	3230	3370	3320	3780	3780	4470	4510
Montgomery	5960	6000	5800	5950	5900	5700	5740	5840	6140	5890	5590	5520	5550	5860	6080	5970	6010	6240
Muscatine	20200	20840	20630	20660	20990	20270	19740	19820	20540	20290	19710	19540	19180	19060	19950	20130	20310	19380
O'Brien	7800	7900	7690	7800	7730	7410	7250	7160	7900	7840	7450	7360	7350	7510	7920	7640	7450	7610
Osceola	3610	3710	3560	3560	3530	3570	3470	3410	3400	3320	3250	3230	3240	3450	3270	3280	3300	3260
Page	8960	9000	8770	8890	8630	8080	7680	7740	8040	8070	7700	7830	7870	8150	8320	8410	8510	8660
Palo Alto	5410	5380	5090	5190	5120	5060	4730	4660	5050	5030	4990	4870	4920	5210	5170	5100	5050	5190
Plymouth	12570	12550	12170	12610	12560	12140	11940	11450	12090	12000	11580	11240	10900	10970	10870	10670	10720	10940
Pocahontas	4210	4250	4160	4200	4140	4180	4180	4240	4840	4780	4640	4580	4540	4750	4440	4420	4510	4540
Polk	205100	207900	203900	202800	201400	192700	186400	183400	192000	188800	177970	169300	160110	156950	150850	152150	153370	156450
Pottawattamie	46400	46200	44900	44800	44800	42700	41900	41900	46400	46000	44460	43530	41510	42580	39150	38780	38600	38630
Poweshiek	9910	9930	9960	9970	9860	9700	9350	9520	10540	10500	9910	9480	9090	8930	9600	9540	9590	9640
Ringgold	2580	2610	2520	2610	2590	2590	2500	2450	2460	2460	2340	2450	2400	2470	3050	3110	3180	3120
Sac	5850	5800	5750	5900	5840	5880	5680	5630	5390	5360	5210	5240	5180	5490	5550	5560	5810	6080
Scott	81700	81300	79500	80200	81400	78600	76600	75300	77900	78000	76200	74950	69640	66970	64630	66260	69750	71100
Shelby	6860	6910	6480	6570	6530	6350	6300	6270	6520	6570	6310	6410	6420	6470	6430	6360	6410	6310
Sioux	17210	16890	16480	16690	16440	15650	15020	14840	16060	15610	14560	14210	14430	14240	15910	15070	15040	15530
Story	43960	44460	43440	44220	43530	41390	40280	40240	41840	41360	39160	38350	37640	37280	37570	36540	36440	37160
Tama	8960	9130	9290	9100	8700	7710	7740	7860	8500	8510	8310	8190	8000	8020	9360	9270	9120	9410
Taylor	3160	3230	3200	3100	3100	3070	3140	2980	3220	3200	3180	3260	3250	3380	3270	3320	3340	3360
Union	6160	6130	6020	5980	6170	6030	5690	5770	6360	6230	5930	5950	5750	5800	6780	6890	6880	6800
Van Buren	4260	4010	3880	3880	3860	3640	3520	3490	3350	3380	3420	3420	3360	3410	3530	3440	3580	3530
Wapello	16880	17590	17340	17580	17490	16660	16110	15890	14780	14540	13870	14070	14460	15200	14310	14450	14930	15790
Warren	22300	22600	22100	22100	21800	20800	20100	19800	20000	19700	18490	17670	17620	18010	17350	17500	17640	18000
Washington	11020	11110	10820	10860	10790	10560	10320	10110	9130	9080	8910	8840	8790	9090	9020	8980	9240	9360
Wayne	3060	3210	3220	3260	3120	3130	3020	3110	3180	3100	3040	3060	3030	3150	3540	3530	3620	3560
Webster	19320	19470	19380	19380	19290	18710	18530	18470	19800	19800	18980	18980	19020	19520	19800	20220	21010	21590
Winnebago	4720	6830	6510	6610	6480	6130	5610	5910	7350	7600	7070	6740	6730	7080	5930	5420	5320	5300
Winneshiek	11810	11770	11460	11440	11270	11070	10820	10650	12550	11430	11610	11440	11030	11020	11240	11090	10810	10640
Woodbury	53200	54100	53300	53100	53300	50500	48900	48000	50100	49000	47780	45250	44090	44800	43280	42170	43340	43160
Worth	4020	4050	3930	3890	3910	3740	3790	3770	4740	4650	4410	4080	4040	4250	3690	3510	3500	3650
Wright	6840	7020	7030	6780	6740	6870	6890	6860	7700	7490	7140	7180	7370	7870	7740	7530	7280	7260
State of Iowa	1525800	1533300	1505100	1508700	1497100	1440400	1402300	1386300	1448000	1433000	1369000	1338000	1300000	1312000	1305000	1296000	1328000	1350000

Table 3. Estimates of the Number Unemployed in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	130	150	150	140	140	140	120	100	170	140	150	200	200	200	250	200	180	190
Adams	140	220	70	80	80	90	110	90	100	90	110	130	160	140	150	150	110	110
Allamakee	350	390	390	370	350	440	390	400	450	390	480	580	770	690	630	650	610	580
Appanoose	320	380	370	370	360	420	430	420	410	400	460	580	660	620	760	850	610	640
Audubon	120	130	120	100	90	110	110	120	130	120	190	280	320	280	260	210	180	140
Benton	410	500	500	480	460	550	570	580	490	480	620	810	900	710	950	1370	820	570
Black Hawk	2600	3100	3000	3400	3800	4200	3900	3500	3300	3500	4870	7570	8620	7410	8590	8160	5520	4870
Boone	380	380	410	470	480	570	630	530	500	460	630	770	780	670	920	880	620	570
Bremer	300	400	400	400	500	600	600	400	400	400	710	980	960	810	1030	1040	720	640
Buchanan	440	530	480	520	580	640	580	520	520	490	680	930	1120	1040	1300	1080	770	710
Buena Vista	230	280	260	310	300	290	260	260	250	320	370	490	540	490	550	740	470	340
Butler	330	430	410	450	440	530	470	330	360	390	540	730	750	630	870	770	590	510
Calhoun	160	200	180	180	190	180	160	120	160	200	260	340	440	310	350	360	290	210
Carroll	390	410	440	390	380	360	410	440	540	500	640	790	880	660	760	890	820	630
Cass	380	420	350	370	390	400	410	410	370	360	470	520	680	700	510	470	450	370
Cedar	290	370	270	290	310	350	280	250	310	370	400	530	600	440	550	580	340	280
Cerro Gordo	860	1090	920	1190	1340	1550	1430	1310	1260	1330	1470	1820	2060	1700	1890	1900	1760	1490
Cherokee	210	240	220	230	200	220	200	180	240	260	440	510	400	360	380	390	430	290
Chickasaw	360	440	390	440	450	500	480	420	400	400	540	760	910	760	970	840	770	780
Clarke	170	220	240	270	340	300	290	210	240	270	280	350	360	330	350	390	330	290
Clay	280	270	280	290	270	290	300	200	260	290	420	540	690	710	550	560	560	480
Clayton	510	660	560	570	540	590	550	500	570	580	660	820	1070	920	970	1050	840	820
Clinton	1020	1340	1320	1250	1350	1610	1590	1470	1590	1620	1780	2110	2510	2370	3010	3310	2200	1590
Crawford	290	310	300	320	390	370	380	480	670	640	460	550	620	560	570	650	490	350
Dallas	400	500	400	500	500	600	600	600	1000	600	690	970	880	840	1040	980	840	790
Davis	160	170	180	190	190	220	250	140	210	270	320	420	360	310	420	390	300	200
Decatur	170	220	270	230	300	290	250	240	130	200	240	310	300	260	330	250	220	200
Delaware	480	620	470	510	510	510	480	400	520	400	500	680	950	750	950	930	730	680
Des Moines	930	1170	1040	1110	1280	1440	1320	1150	1350	1410	1490	1910	2290	2060	2500	2470	1950	1580
Dickinson	350	330	330	400	320	310	300	260	280	370	470	680	800	610	580	560	470	400
Dubuque	1900	2900	1800	1900	2100	2600	2900	2700	2700	2400	2670	3370	4040	3580	5170	6140	4830	3910
Emmet	250	250	270	290	250	320	330	310	290	300	430	640	800	620	800	780	430	340
Fayette	370	470	480	440	510	590	550	430	470	490	670	990	1130	1000	1160	1200	770	780

Table 3. Estimates of the Number Unemployed in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	390	450	440	730	610	600	580	450	440	490	630	890	1300	850	1310	1120	960	1020
Franklin	200	200	180	200	210	260	240	230	230	270	390	390	420	380	500	440	260	260
Fremont	100	150	120	140	200	220	180	130	160	170	200	300	390	360	290	270	180	130
Greene	130	170	220	220	210	220	240	240	350	250	290	400	500	430	430	440	380	350
Grundy	170	240	230	190	190	230	200	150	190	260	280	400	410	380	490	380	240	280
Guthrie	190	210	200	230	240	250	250	210	340	200	280	410	380	320	320	350	320	270
Hamilton	270	280	350	270	300	430	350	390	370	300	370	570	580	560	590	540	510	410
Hancock	170	190	200	200	230	340	340	360	300	220	300	480	600	340	430	520	370	530
Hardin	400	380	380	310	380	500	530	440	400	510	640	620	600	610	530	520	470	370
Harrison	270	310	340	360	360	430	380	280	400	440	440	530	630	530	640	600	390	320
Henry	310	380	360	370	380	490	440	350	470	450	550	610	740	700	810	800	760	590
Howard	180	230	200	190	190	210	190	180	270	310	270	390	470	360	430	440	350	350
Humboldt	130	140	130	170	180	180	200	160	170	160	240	380	420	380	400	370	300	290
Ida	120	110	110	100	100	110	140	100	130	130	140	170	210	170	150	140	130	140
Iowa	240	270	230	200	220	230	210	200	200	220	270	450	520	340	420	580	420	270
Jackson	560	690	600	560	550	690	680	650	780	810	770	930	1180	990	1410	1400	1040	910
Jasper	530	650	620	610	680	720	790	630	740	750	860	1110	1080	1140	1380	1680	1280	1260
Jefferson	340	310	360	460	410	490	400	350	440	440	590	680	580	510	620	780	540	470
Johnson	1600	1900	1800	1700	1700	2000	1700	1800	900	1100	1210	1540	1710	1320	1710	1930	2110	1530
Jones	360	420	410	400	460	570	470	440	400	370	500	600	750	660	830	900	610	550
Keokuk	250	260	240	230	260	320	270	240	290	320	340	480	500	450	520	560	550	450
Kossuth	240	300	340	350	330	440	490	390	430	460	580	750	840	630	710	800	700	690
Lee	1070	1220	990	1100	1430	1590	1470	1210	1380	1530	1790	1920	1950	1820	2250	2470	1930	1540
Linn	2800	3200	3000	3300	3600	4200	4700	5300	3600	3600	4760	5560	6150	6020	7000	8270	7100	5820
Louisa	270	300	260	270	330	370	310	260	310	280	340	420	520	420	540	340	230	210
Lucas	170	210	230	230	280	300	240	250	230	210	270	300	380	340	320	360	290	280
Lyon	130	170	160	150	160	150	130	120	150	170	190	270	260	260	270	200	260	270
Madison	290	310	320	320	310	350	360	270	320	330	310	460	410	400	470	460	420	340
Mahaska	320	390	390	350	430	440	480	410	500	380	470	680	850	630	700	800	660	560
Marion	550	620	590	560	600	590	620	580	550	520	540	640	560	580	750	840	660	630
Marshall	630	760	680	620	840	830	730	660	770	810	1190	1430	1550	1560	2080	1860	1190	1070
Mills	190	210	200	220	220	280	230	220	230	210	270	390	430	340	300	290	260	210
Mitchell	140	200	190	230	210	210	220	200	210	210	280	430	550	410	590	490	500	480

Table 3. Estimates of the Number Unemployed in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	170	200	170	180	200	220	190	160	230	290	340	400	440	400	380	390	320	290
Monroe	180	190	190	170	210	220	230	200	250	260	310	480	490	490	550	620	460	330
Montgomery	310	390	230	240	250	300	250	270	320	240	280	390	540	450	400	400	340	330
Muscatine	880	1070	720	810	890	1210	1170	1010	1090	1110	1270	1530	1580	1420	1660	1510	1200	980
O'Brien	190	200	210	210	200	230	180	150	180	230	320	390	380	390	350	330	320	270
Osceola	110	120	130	120	110	130	120	100	140	190	170	260	270	240	240	260	220	170
Page	290	380	330	340	350	490	480	390	410	350	430	560	710	610	700	670	430	360
Palo Alto	150	180	170	180	180	170	190	180	190	200	200	320	460	430	470	410	350	290
Plymouth	420	520	500	370	360	470	400	360	420	490	560	660	830	680	620	650	600	480
Pocahontas	110	140	160	120	120	160	130	90	120	140	180	240	290	250	310	360	250	190
Polk	5600	6200	5500	6000	7300	7400	6900	6100	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320
Pottawattamie	1600	1500	1500	1700	1900	2300	2000	1700	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540
Poweshiek	390	530	420	430	500	470	440	450	380	340	390	500	620	560	660	690	500	530
Ringgold	80	110	110	100	100	110	110	100	120	130	180	160	180	200	290	190	130	120
Sac	200	240	230	230	200	190	220	230	300	330	350	460	530	540	650	690	410	310
Scott	2700	3300	3000	3400	4000	4800	4000	3300	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950
Shelby	230	270	260	320	310	380	350	270	330	340	380	490	630	590	390	370	330	260
Sioux	480	560	510	520	440	470	430	410	330	370	580	690	740	650	660	710	750	670
Story	1210	1310	1260	1350	1380	1640	1640	1510	710	720	940	1260	1310	1220	1680	1630	1520	1310
Tama	310	440	380	380	410	460	420	360	370	410	560	670	680	420	440	470	310	280
Taylor	190	240	170	200	130	150	140	110	140	120	210	250	290	260	310	210	140	130
Union	250	330	290	330	300	280	360	300	270	310	400	420	450	520	540	460	430	370
Van Buren	150	170	170	170	170	200	200	120	280	280	340	360	380	290	380	410	310	290
Wapello	1150	970	900	930	1060	1240	1300	990	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360
Warren	500	500	500	500	700	700	600	500	600	700	810	870	970	840	940	1050	1040	850
Washington	340	420	350	340	370	400	360	280	390	430	560	760	790	590	720	650	580	520
Wayne	140	170	130	130	180	180	120	90	100	150	190	200	250	230	270	230	170	160
Webster	700	770	850	880	990	1170	1000	990	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330
Winnebago	140	180	180	180	220	240	360	490	290	190	280	380	520	260	330	400	370	560
Winneshiak	480	580	570	620	650	700	610	630	570	620	750	880	910	820	890	790	830	700
Woodbury	1900	2100	1700	1800	1700	2300	2500	2200	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950
Worth	130	160	140	180	190	200	230	260	240	220	240	350	400	290	320	320	310	320
Wright	190	240	280	250	280	340	290	250	280	300	350	460	630	480	510	450	370	380
State of Iowa	51400	59800	54400	57600	62800	71300	68100	61700	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000

Table 4. Estimated Unemployment Rates in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	2.9	3.4	3.4	3.3	3.3	3.4	3.0	2.5	3.7	3.0	3.4	4.5	4.5	4.5	5.5	4.5	4.0	4.2
Adams	5.9	9.2	3.1	3.3	3.4	3.9	4.6	3.7	3.2	2.7	3.6	4.5	5.6	4.6	5.4	5.6	4.2	4.1
Allamakee	4.6	5.0	5.1	4.8	4.7	6.0	5.4	5.6	5.9	5.2	6.4	7.7	10.4	9.3	8.8	9.3	8.8	8.2
Appanoose	4.6	5.6	5.5	5.5	5.2	6.2	6.5	6.6	6.3	6.0	7.3	9.4	11.3	10.5	13.1	14.1	10.1	10.5
Audubon	3.5	3.6	3.2	2.8	2.4	2.9	2.9	3.3	3.7	3.5	5.4	7.7	8.6	7.2	6.4	5.2	4.4	3.4
Benton	3.4	4.1	4.2	4.1	4.0	4.9	5.1	5.1	4.5	4.4	6.1	7.5	8.5	6.7	8.8	12.5	7.5	5.1
Black Hawk	3.9	4.5	4.5	4.9	5.5	6.4	6.1	5.6	5.4	5.7	8.4	12.8	14.4	12.0	13.2	12.1	8.0	7.0
Boone	2.8	2.7	3.0	3.4	3.6	4.3	4.9	4.2	3.9	3.6	5.2	6.3	6.5	5.6	7.5	7.3	5.0	4.6
Bremer	2.4	2.9	3.0	3.2	4.0	4.6	5.0	3.5	3.7	4.1	7.0	9.7	9.4	7.6	9.2	9.7	6.8	5.9
Buchanan	4.0	4.8	4.5	4.8	5.6	6.4	5.9	5.4	5.2	4.9	6.9	9.3	11.3	10.3	11.5	9.7	7.1	6.3
Buena Vista	2.2	2.5	2.4	2.7	2.7	2.7	2.5	2.6	2.2	2.7	3.3	4.5	4.9	4.5	5.0	7.2	4.5	3.2
Butler	4.2	5.3	5.1	5.5	5.5	6.7	6.2	4.5	4.8	5.3	7.2	9.5	9.7	8.0	10.7	9.8	7.5	6.2
Calhoun	3.2	3.8	3.4	3.5	3.5	3.5	3.2	2.4	2.9	3.5	4.8	6.1	7.8	5.4	5.7	5.8	4.7	3.4
Carroll	3.2	3.4	3.7	3.2	3.1	3.1	3.7	4.1	4.6	4.3	5.8	7.1	7.9	5.9	6.2	7.4	6.7	5.4
Cass	4.9	5.4	4.6	4.7	5.0	5.2	5.5	5.4	4.3	4.2	5.7	6.2	8.0	8.0	5.5	5.2	5.1	4.2
Cedar	3.0	3.8	2.8	3.0	3.2	3.8	3.0	2.8	3.2	3.8	4.4	5.9	6.8	4.9	6.5	6.8	4.1	3.3
Cerro Gordo	3.2	4.0	3.5	4.6	5.2	6.1	5.5	5.2	4.8	5.0	5.7	7.1	8.1	6.9	7.8	7.9	7.1	6.2
Cherokee	3.0	3.4	3.2	3.2	2.8	3.2	2.9	2.7	3.4	3.6	6.2	6.8	5.4	4.8	4.9	5.1	5.6	3.8
Chickasaw	4.8	5.7	5.1	5.7	6.0	6.8	6.8	5.9	5.5	5.5	7.5	10.4	12.2	10.4	13.2	11.8	10.7	10.6
Clarke	4.2	5.5	6.1	6.9	8.3	7.0	6.7	5.0	5.2	6.2	6.7	8.5	9.0	8.4	7.4	8.6	7.0	6.0
Clay	2.8	2.6	2.9	3.0	2.8	3.2	3.4	2.2	2.8	3.1	4.8	6.2	7.8	7.8	5.6	5.7	5.6	4.7
Clayton	4.7	6.1	5.3	5.9	5.6	6.2	6.0	5.4	5.6	5.7	6.8	8.2	10.8	9.1	9.2	10.2	8.2	8.0
Clinton	3.7	4.8	4.9	4.6	4.9	6.0	6.1	5.8	6.7	6.8	7.7	9.1	10.8	9.9	11.8	12.5	8.2	5.7
Crawford	3.3	3.4	3.4	3.6	4.3	4.2	4.5	5.6	7.5	6.9	5.0	6.0	6.8	6.1	5.4	6.4	4.8	3.6
Dallas	2.3	2.4	2.4	2.8	3.0	3.7	3.7	3.7	5.9	3.4	4.5	6.4	5.9	5.3	6.7	7.2	6.3	5.9
Davis	3.9	4.0	4.1	4.3	4.4	5.4	6.2	3.6	5.5	6.9	8.6	10.9	9.8	8.2	11.4	10.5	8.1	5.6
Decatur	4.5	5.8	6.7	5.8	7.5	7.5	6.5	6.3	3.3	5.1	6.1	7.6	7.1	6.4	8.3	6.0	5.4	4.8
Delaware	4.9	6.5	5.1	5.5	5.6	5.6	5.4	4.6	5.9	4.6	5.9	8.1	11.2	8.6	10.4	10.4	8.2	7.6
Des Moines	4.0	4.9	4.5	4.7	5.4	6.3	5.9	5.2	5.8	6.1	6.6	8.6	10.7	9.6	13.1	12.8	9.9	8.0
Dickinson	3.6	3.2	3.4	4.2	3.4	3.5	3.6	3.2	2.9	3.9	5.4	7.9	9.4	7.0	7.5	7.5	6.3	5.4
Dubuque	3.9	5.8	3.7	3.7	4.1	5.5	6.1	5.9	6.0	5.5	6.1	7.8	9.5	8.5	12.1	14.2	10.7	8.6
Emmet	4.4	4.4	4.8	5.1	4.4	5.6	5.8	5.6	5.7	5.9	8.5	12.3	14.8	10.9	13.5	12.7	6.8	5.4
Fayette	3.3	4.1	4.2	3.8	4.8	5.5	5.3	4.2	4.5	4.7	6.5	9.1	10.2	8.7	10.1	10.5	6.8	6.7

Table 4. Estimated Unemployment Rates in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	4.9	5.3	5.4	8.7	7.0	6.9	6.7	5.3	5.0	5.7	7.5	10.6	15.3	9.9	17.1	14.5	12.4	12.8
Franklin	3.2	3.2	2.9	3.3	3.6	4.4	4.2	4.0	4.3	5.1	7.1	6.8	7.3	6.7	7.9	6.9	4.1	4.0
Fremont	2.8	3.9	3.1	3.5	5.0	5.7	4.9	3.5	3.7	3.9	4.7	6.9	8.5	7.5	4.8	4.6	3.1	2.3
Greene	2.6	3.3	4.2	4.2	4.0	4.3	4.8	4.9	6.7	4.7	5.6	7.6	9.4	8.0	8.0	8.3	7.2	6.2
Grundy	2.7	3.9	3.9	3.0	3.1	3.8	3.4	2.6	2.8	3.9	4.3	6.0	6.1	5.4	7.6	6.0	3.9	4.5
Guthrie	3.1	3.5	3.4	3.9	4.0	4.3	4.4	3.9	6.3	3.9	5.4	7.6	7.1	6.1	5.6	6.2	5.7	4.7
Hamilton	3.2	3.2	4.1	3.1	3.6	5.0	4.1	4.7	3.6	2.9	3.9	6.1	6.3	6.0	6.4	6.0	5.7	4.7
Hancock	1.9	3.1	3.2	3.2	3.9	5.7	5.7	5.8	4.7	3.4	4.9	7.8	9.7	5.6	6.4	7.7	5.2	7.4
Hardin	4.1	4.0	3.9	3.2	4.0	5.3	5.6	4.7	4.2	5.2	6.5	6.2	6.0	6.0	4.9	4.8	4.3	3.4
Harrison	3.5	3.9	4.5	4.7	4.8	5.7	5.3	3.9	5.7	6.2	6.5	7.8	9.1	7.5	8.6	8.2	5.5	4.5
Henry	2.8	3.4	3.3	3.4	3.5	4.6	4.3	3.5	3.8	3.8	5.0	5.8	7.4	7.4	8.1	8.1	7.6	6.0
Howard	3.3	4.2	3.7	3.6	3.8	4.4	4.1	3.9	5.4	6.2	5.4	7.8	9.3	7.2	7.8	8.1	6.5	6.2
Humboldt	2.3	2.4	2.5	3.2	3.3	3.4	4.0	3.2	3.2	2.9	4.6	7.0	7.6	6.8	7.3	6.8	5.4	5.3
Ida	2.8	2.7	2.7	2.5	2.5	2.8	3.7	2.6	2.7	2.7	3.2	4.0	5.0	4.1	3.3	3.2	3.1	3.3
Iowa	2.6	2.8	2.5	2.1	2.3	2.5	2.5	2.5	2.3	2.7	3.3	5.6	6.5	4.1	4.7	6.7	4.7	2.9
Jackson	5.3	6.4	5.7	5.1	5.0	6.5	6.6	6.5	7.2	7.5	7.5	9.3	11.7	9.8	13.5	13.5	10.1	8.8
Jasper	2.8	3.4	3.3	3.3	3.7	4.0	4.4	3.5	4.1	4.1	4.9	6.4	6.2	6.6	8.6	10.6	8.0	7.7
Jefferson	3.2	3.2	3.8	4.7	4.3	5.4	4.7	4.1	4.8	4.8	7.0	8.0	7.2	6.4	8.3	10.3	7.0	6.0
Johnson	2.5	2.9	2.7	2.6	2.7	3.3	2.9	3.1	1.5	1.8	2.0	2.6	3.1	2.4	3.5	4.2	4.7	3.5
Jones	3.7	4.2	4.3	4.2	4.8	5.9	5.0	4.7	4.2	4.0	5.6	6.8	8.6	7.5	8.5	9.1	6.3	5.5
Keokuk	4.6	4.9	4.8	4.5	5.0	6.1	5.1	4.5	5.0	5.6	6.1	8.2	8.4	7.8	9.8	10.5	10.5	8.6
Kossuth	2.6	3.3	3.9	3.9	3.7	4.9	5.5	4.4	4.6	5.0	6.4	7.8	8.6	6.5	6.4	7.2	6.3	6.0
Lee	5.5	6.1	5.1	5.6	7.3	8.1	7.5	6.4	7.5	8.3	9.7	10.3	10.5	9.7	11.1	12.0	9.0	7.2
Linn	2.6	2.9	2.8	3.1	3.4	4.2	4.9	5.5	3.7	3.7	5.2	6.2	7.2	7.2	8.3	9.7	8.1	6.5
Louisa	4.7	4.6	4.1	4.1	5.0	5.8	5.1	4.4	4.0	3.6	5.1	7.2	10.2	8.5	11.0	6.1	3.7	3.9
Lucas	4.3	5.3	5.5	5.3	6.3	6.8	5.6	5.9	4.7	4.3	5.6	6.1	7.6	6.8	6.9	7.8	6.3	6.2
Lyon	2.3	2.8	2.7	2.5	2.8	2.6	2.3	2.1	2.4	2.8	3.3	4.6	4.7	4.5	4.4	3.3	4.3	4.2
Madison	3.9	4.0	4.2	4.3	4.5	5.4	5.7	4.2	5.2	5.2	5.2	7.9	7.4	7.1	8.2	8.0	7.3	5.8
Mahaska	2.9	3.5	3.5	3.1	3.9	4.1	4.5	3.9	4.8	3.6	4.6	6.7	8.4	6.3	7.2	8.3	6.7	5.6
Marion	3.1	3.4	3.3	3.3	3.5	3.6	3.9	3.7	3.4	3.2	3.5	4.3	3.9	4.2	4.6	5.3	4.0	3.9
Marshall	3.1	3.6	3.3	2.9	4.0	4.1	3.6	3.3	3.8	4.1	6.1	7.2	7.9	7.6	10.6	9.5	6.2	5.5
Mills	3.1	3.3	3.2	3.3	3.4	4.2	3.5	3.4	4.1	3.8	4.9	7.0	7.4	5.6	4.7	4.4	4.1	3.3
Mitchell	2.4	3.6	3.3	4.0	3.8	4.0	4.3	3.9	3.6	3.6	5.0	7.5	9.5	7.3	9.6	8.0	8.2	8.0

Table 4. Estimated Unemployment Rates in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	3.2	3.8	3.4	3.5	3.9	4.5	4.3	3.6	4.8	6.1	7.3	8.4	9.0	7.8	6.9	7.3	6.0	5.4
Monroe	4.2	4.4	4.6	4.1	5.0	5.5	5.9	5.4	6.3	7.0	8.4	12.9	12.7	12.9	12.7	14.1	9.3	6.8
Montgomery	5.0	6.1	3.8	3.9	4.1	5.0	4.2	4.4	5.0	3.9	4.8	6.6	8.9	7.1	6.2	6.3	5.4	5.0
Muscatine	4.2	4.9	3.4	3.8	4.1	5.6	5.6	4.8	5.0	5.2	6.1	7.3	7.6	6.9	7.7	7.0	5.6	4.8
O'Brien	2.4	2.5	2.7	2.6	2.6	3.0	2.4	2.1	2.2	2.8	4.1	5.0	4.9	4.9	4.2	4.1	4.1	3.4
Osceola	2.9	3.1	3.4	3.2	3.0	3.5	3.4	2.8	4.0	5.3	5.0	7.5	7.7	6.5	6.8	7.3	6.3	4.9
Page	3.1	4.0	3.6	3.7	3.9	5.7	5.9	4.8	4.9	4.1	5.3	6.7	8.3	7.0	7.8	7.4	4.8	4.0
Palo Alto	2.6	3.2	3.2	3.4	3.4	3.2	3.9	3.7	3.6	3.8	3.9	6.2	8.6	7.6	8.3	7.4	6.5	5.3
Plymouth	3.3	3.9	4.0	2.9	2.8	3.7	3.2	3.0	3.4	3.9	4.6	5.5	7.1	5.8	5.4	5.7	5.3	4.2
Pocahontas	2.4	3.2	3.8	2.8	2.8	3.6	3.0	2.1	2.4	2.9	3.7	5.0	6.0	5.0	6.5	7.5	5.2	4.0
Polk	2.7	2.9	2.6	2.9	3.5	3.7	3.6	3.2	3.6	3.8	4.5	5.8	6.6	5.9	7.5	8.0	7.3	5.6
Pottawattamie	3.3	3.2	3.2	3.6	4.1	5.0	4.6	3.9	4.7	4.8	6.0	7.0	7.5	7.6	6.6	8.0	8.1	6.2
Poweshiek	3.8	5.1	4.0	4.2	4.8	4.6	4.5	4.5	3.5	3.1	3.8	5.0	6.4	5.9	6.4	6.7	5.0	5.2
Ringgold	3.0	3.9	4.0	3.8	3.7	4.0	4.2	3.9	4.7	4.9	7.1	6.1	7.0	7.5	8.7	5.8	3.9	3.7
Sac	3.4	4.0	3.8	3.7	3.3	3.1	3.7	3.9	5.3	5.7	6.3	8.1	9.3	9.0	10.5	11.0	6.6	4.9
Scott	3.2	3.8	3.6	4.1	4.7	5.7	5.0	4.2	6.0	6.8	6.6	7.4	8.2	8.0	10.8	11.2	7.9	5.3
Shelby	3.2	3.8	3.8	4.6	4.5	5.6	5.3	4.1	4.8	4.9	5.7	7.1	8.9	8.4	5.7	5.5	4.9	4.0
Sioux	2.7	3.2	3.0	3.0	2.6	2.9	2.8	2.7	2.0	2.3	3.8	4.6	4.9	4.4	4.0	4.5	4.7	4.1
Story	2.7	2.9	2.8	3.0	3.1	3.8	3.9	3.6	1.7	1.7	2.3	3.2	3.4	3.2	4.3	4.3	4.0	3.4
Tama	3.4	4.6	3.9	4.0	4.5	5.6	5.1	4.4	4.2	4.6	6.3	7.6	7.8	5.0	4.5	4.8	3.3	2.9
Taylor	5.7	6.9	5.1	6.0	4.1	4.7	4.3	3.6	4.2	3.7	6.2	7.1	8.2	7.1	8.7	5.9	4.0	3.7
Union	3.9	5.0	4.6	5.2	4.6	4.5	6.0	5.0	4.1	4.7	6.3	6.6	7.3	8.2	7.4	6.3	5.9	5.2
Van Buren	3.3	4.0	4.1	4.2	4.3	5.3	5.4	3.3	7.7	7.5	9.1	9.5	10.2	7.8	9.7	10.6	8.0	7.6
Wapello	6.4	5.2	4.9	5.0	5.7	6.9	7.5	5.9	6.8	7.4	10.2	13.5	11.9	10.1	12.7	12.4	11.7	7.9
Warren	2.1	2.3	2.3	2.3	3.1	3.3	2.9	2.5	2.9	3.5	4.2	4.7	5.2	4.5	5.1	5.7	5.6	4.5
Washington	3.0	3.7	3.2	3.0	3.3	3.7	3.4	2.7	4.1	4.6	5.9	7.9	8.2	6.1	7.4	6.7	5.9	5.3
Wayne	4.4	5.1	4.0	3.7	5.3	5.5	3.8	2.8	3.0	4.7	5.9	6.1	7.6	6.8	7.1	6.1	4.5	4.3
Webster	3.5	3.8	4.2	4.3	4.9	5.9	5.1	5.1	4.9	4.8	6.0	7.7	8.9	7.8	8.3	8.1	6.7	5.8
Winnebago	2.8	2.5	2.6	2.6	3.2	3.8	6.0	7.6	3.8	2.4	3.8	5.3	7.2	3.5	5.3	6.9	6.5	9.6
Winneshiek	3.9	4.7	4.7	5.1	5.5	5.9	5.3	5.6	4.3	5.2	6.1	7.1	7.6	6.9	7.3	6.6	7.1	6.2
Woodbury	3.4	3.7	3.1	3.2	3.1	4.3	4.9	4.4	4.2	5.3	6.7	8.2	8.6	7.4	7.5	8.1	7.8	6.4
Worth	3.1	3.9	3.4	4.5	4.5	5.1	5.7	6.5	4.8	4.5	5.2	7.9	9.0	6.4	8.0	8.4	8.1	8.1
Wright	2.7	3.3	3.8	3.6	4.0	4.7	4.0	3.5	3.5	3.8	4.7	6.0	7.9	5.7	6.2	5.6	4.8	5.0
State of Iowa	3.3	3.8	3.5	3.7	4.0	4.7	4.6	4.3	4.3	4.5	5.5	7.0	7.9	7.0	8.1	8.5	6.9	5.7

occurred in Adams and Winnebago; Fremont, Louisa, and Lucas noted decreases in the number employed of at least 10 percent but less than 25 percent between 1987 and 1997.

Unemployment

Unemployment figures for Iowa during this period reflect the economic difficulties encountered by the state in the first half of the 1980s. Unemployment was 82,000 in 1980, but it was 121,000 in 1982 (Table 3). For four of the five years from 1982 through 1986, unemployment was more than 100,000. Relatively rapid decreases, especially from 1986 through 1988, brought the figure below 62,000 in 1990. That was a decline of 49.0 percent from the period high in 1982. But the number unemployed increased by 6,400 between 1990 and 1991 and by 3,200 between 1991 and 1992. In contrast, a decrease of 8,500 occurred between 1992 and 1993 on the number unemployed. Except for 1996, that trend continued through 1997, when the 51,400 figure was lower than any year reported here. An increase in unemployment occurred from 1995 to 1996, when 59,800 were unemployed.

Just as Polk led in labor force and employment numbers, it also had the highest number unemployed (5,600) in 1997. Black Hawk, Linn, and Scott were the only others with 2,000 or more. Eight other counties had at least 1,000 unemployed. Thirty-two counties had fewer than 200 unemployed in 1997, although Ringgold was the only one below 100.

Unemployment in 1997 was much lower than the figures for the years 1982 through 1985 in most of Iowa's counties. Ninety counties recorded their highest unemployment for the period during one of those four years. All counties except Adams, Johnson, Marion, Montgomery, Poweshiek, and Story had lower numbers unemployed in 1997 than in 1987.

Unemployment Rates

When the number unemployed is divided by the number in the labor force and the result is multiplied by 100, an unemployment rate is obtained. These rates (number unemployed of every 100 in the labor force) were highest in Iowa from 1981 through 1986 (Table 4). The highest annual rate (1982, 8.5%) was about double the rates in 1989 and 1990 (4.3%). The state's unemployment rate increased to 4.7 percent in 1992 but then began another decline until it reached 3.5 percent in 1995, increased slightly to 3.8 percent in 1996, and then fell to 3.3 percent in 1997, the lowest rate recorded in the last 18 years.

For counties in 1997, unemployment rates varied from 1.9 percent (Hancock) to 6.4 percent (Wapello). Unemployment rates in 1997 were much lower than those in 1987. In 1987, 43 counties had unemployment rates of 6.0 percent or greater. Ten years later, only Wapello was above 6.0 percent. All counties except Adams, Johnson, Montgomery, Poweshiek, and Story had lower unemployment rates in 1997 than they did in 1987.

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

Per Capita Income in Iowa's Counties: 1976-1996

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Per capita income, a measure of average income per person, was \$22,330 for Iowa in 1996, a figure about \$2,100 below that for the United States (Table 1). It increased for Iowa every year from 1976 through 1996 except for 1982-1983; gains in per capita income exceeded \$1,000 in six comparisons (1980-1981, 1983-1984, 1988-1989, 1991-1992, 1993-1994, 1995-1996). This information is reported annually for all states and counties by the Bureau of Economic Analysis in the U.S. Department of Commerce. In the calculation of income, the Bureau of Economic Analysis includes income from sources such as wages, salaries, self-employment, farming, interest, rent, social security, and public assistance. Also included is the imputed value of non-monetary income or benefits such as Medicare, public housing subsidies, and other "in-kind" resources. Because of the inclusion of the value of non-monetary benefits, the income figures from the Bureau of Economic Analysis will generally be higher than figures produced by the U. S. Bureau of the Census, which do not include such "in-kind" benefits. In this report, both initial per capita income figures and data adjusted for inflation are presented.

Per Capita Income

Counties in Iowa varied in per capita income (Figure 1). In 1996, Polk had the highest (\$27,414) and Decatur the lowest (\$14,225) per capita income, a difference of more than \$13,000. Starting with 1980, there has been a difference of at least \$5,000 between the lowest and the highest county every year. This gap has been increasing; it has been at least \$8,000 each year since 1988 and exceeded \$10,000 for the first time in 1993. Polk has had the highest per capita income since 1976 and Linn consistently has been among the top five in recent years. Decatur has ranked among the lowest five every year in the 1976-1996 period. Other counties among the lowest in 1996 were Appanoose, Clarke, Ringgold, Taylor, and Wayne.

Per capita income gained in all counties from 1977 to 1978, 1980 to 1981, 1991 to 1992, 1993 to 1994, and 1995 to 1996. Between 1992 and 1993, however, per capita income decreased in 65 of Iowa's 99 counties. At least 40 had declines in three other comparisons (1981-1982, 1982-1983, 1987-1988). These year-to-year variations reflect changes in the economy in Iowa and its counties.

From 1976 to 1996, Iowa's per capita income increased by \$15,838 (Table 3, Figure 2), while the gain was \$17,746 in the United States. Increases were under \$10,000 in Clarke, Decatur, Ringgold, and Taylor. Forty-three counties had increases in per capita income of at least \$15,000, with Dickinson, Linn, and Polk the only ones exceeding \$18,000. During the 1976-1996 period, 23 counties increased every year, but the other 76 declined one or more times.

In percentage terms, Iowa's per capita income increased 244 percent between 1976 and 1996. Gains in Iowa's counties ranged from 160 percent in Ringgold and Taylor to more than 300 percent in Crawford, Ida, Lyon, and Mitchell.

Per Capita Income Adjusted for Inflation

Rising prices of goods and services between 1976 and 1996 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 1996 dollars based on the consumer price index for each year. Per

Table 1. Per Capita Income in Iowa's Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	19258	16437	17840	15234	16438	14995	15293	14689	12814	12993	12817	11217	10195	8700	9262	9255	7303	7705	7878	6036	6325
Adams	19653	15403	17432	14727	15684	14652	14168	13579	11660	12765	12318	10813	9554	9071	9422	9151	7281	7485	7322	5863	6595
Allamakee	17743	16136	16331	15322	15378	14211	14542	13490	12036	12480	11545	10626	10430	8237	8533	8425	7018	7073	6931	6261	6294
Appanoose	16666	15479	15586	14313	14074	13349	12757	12058	11234	11074	10763	9943	9589	9047	8933	8588	7882	7491	6654	6050	5901
Audubon	20861	18190	18111	15702	17054	16140	15060	14946	13008	13737	12196	11711	10429	8428	8966	9655	7558	7492	7821	5918	5710
Benton	20810	19022	18300	16629	16799	15786	15603	15052	13551	13985	13500	12302	12056	10522	10378	10445	8910	8762	8493	6909	6347
Black Hawk	21463	20565	19419	18226	17674	16562	16198	15411	14425	13560	12609	12361	12102	11589	11430	11303	10292	9457	8382	7674	6621
Boone	22635	21270	20837	19033	18868	17667	17046	16624	15137	15072	14106	13094	12305	11617	11218	11037	9920	9201	8621	6645	6597
Bremer	21231	19911	19326	18013	17754	16253	15948	14698	13515	13283	12514	12271	11844	10489	10309	10279	9043	8515	7899	7063	6080
Buchanan	19204	17459	17268	15623	15973	15191	14869	13893	12580	12889	11442	10929	10650	8743	9060	9206	7917	7747	7308	6282	5665
Buena Vista	21666	19666	18689	16661	17219	16446	15957	15567	14283	13934	13679	12991	11665	10582	10581	11026	9461	9033	8641	7493	5857
Butler	20133	18032	17337	15839	16804	15493	15277	13584	12731	13243	12391	12251	11641	9656	9519	9702	8551	8207	8093	6610	5885
Calhoun	21669	19403	18902	15599	17192	14664	14780	15041	14255	13889	13452	12704	11840	11049	10773	11500	9951	9418	8491	6567	5562
Carroll	22341	20297	19819	18029	18853	17041	16251	16129	15257	15045	13952	13362	12848	11524	11529	11857	10050	9512	8837	6797	5855
Cass	19796	18110	18217	16851	17134	15843	15554	15356	13681	13851	13311	12690	12001	10862	10708	10819	8824	8815	8323	7033	6747
Cedar	21501	19393	19463	17841	17718	16850	16992	16111	14657	14620	13318	13026	12941	10622	10706	10907	8998	9107	8836	7144	6615
Cerro Gordo	22331	20872	19819	18319	18148	17261	17030	15707	15094	14683	13741	13166	12850	11703	11190	11009	9694	8992	8373	7428	6725
Cherokee	20979	18818	18580	15827	17057	16546	16213	15257	14635	13911	13062	12185	11465	9917	10104	10294	8531	8221	8041	6655	5609
Chickasaw	19537	18205	17547	15585	16332	15237	14886	14057	13000	13835	12478	11929	11554	9597	9506	9862	8423	8345	7989	6968	5709
Clarke	15331	14041	14916	13438	14009	13609	13576	13099	11708	11995	11382	10502	9437	8981	9109	8667	7825	7054	6778	6074	5578
Clay	22821	20679	19931	16955	17469	16348	16610	16263	15591	14706	13798	12655	11484	10444	10506	10729	9691	9158	8609	8052	6809
Clayton	19291	17342	16673	15611	15994	14832	14943	13897	12194	12839	11995	10899	10772	7849	8275	8484	6726	7046	6886	5735	5322
Clinton	21154	19477	18739	17551	17559	16505	16040	15315	14106	13673	12895	12461	12132	10769	10622	10785	9583	8863	7999	6948	6231
Crawford	20460	18758	18650	16667	16754	15346	14794	13658	12895	12818	12293	11246	10849	9348	9761	10145	7648	7571	7518	5907	5097
Dallas	24107	22681	21794	20263	19806	18438	17920	17427	16002	15541	14602	13637	13289	12362	11927	11566	9797	9386	8394	7348	6953
Davis	17829	15555	15971	15255	15090	13727	13580	12069	11005	10999	10540	9905	9641	8490	8770	8177	7243	6935	6329	5219	5273
Decatur	14225	12717	13921	12900	12974	12377	12011	11631	10108	10684	10139	9553	8460	7302	7543	7047	5970	5832	6060	4801	4849
Delaware	19140	16491	16451	15160	15333	14833	15316	14472	12762	13820	12616	11349	11079	8295	8574	8951	6963	7533	7491	6026	5395
Des Moines	21777	20592	19864	18795	18313	17430	17126	16046	15143	14663	13981	13363	12871	11647	11210	10960	9972	9423	8441	7611	6895
Dickinson	25157	23190	22313	20111	20053	18566	18459	17667	16208	15469	14377	13294	13258	11477	11133	10884	9499	9107	8748	7550	6485
Dubuque	22096	21139	20088	18882	18246	17081	16582	15721	14612	14314	13152	12617	12053	10704	10243	10103	9137	8664	7949	7067	6134
Emmet	20610	18847	18325	15625	16635	15087	15150	14413	13317	13372	12792	12135	11196	10233	10196	10948	9970	8480	8290	7160	6083
Fayette	18330	16802	16487	14461	14945	14210	14298	13540	12030	12693	11658	11116	10939	9017	8785	8870	7499	7768	7260	6086	5437
Floyd	20825	19123	18078	16665	17141	16395	16233	14260	13669	13739	12852	12011	11877	10232	10166	9871	8913	8543	7976	7270	6262
Franklin	21742	19031	18385	14842	17311	14971	15567	14897	13899	14344	13997	12496	11943	9975	9821	10401	8601	8284	8437	6608	6299
Fremont	20388	16446	16963	13683	15827	14519	13880	13880	13740	13039	13887	13083	11316	11764	10749	10876	9613	8845	8405	6522	6974

Table 1. Per Capita Income in Iowa's Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Greene	22574	20602	19377	16311	18310	16161	15413	15722	13954	14697	13984	12507	11718	11469	11305	11687	10105	9681	9380	6024	6698
Grundy	22678	21982	20428	18620	19939	18066	17389	15717	14870	15302	14188	13338	13046	11891	11863	12197	10401	9954	9236	7982	7058
Guthrie	20394	18015	17850	16094	16782	15917	15777	15334	13352	13854	12706	12147	11211	9618	9983	9900	7899	7878	7589	5860	5738
Hamilton	23888	21358	20672	17353	18454	17582	16857	17095	14324	15092	14647	13873	12875	12249	11920	12146	10307	9745	9096	7442	6821
Hancock	20281	18040	17914	14719	15949	14106	15160	13937	13487	13264	13505	13008	12410	11167	10912	11133	8999	8767	8570	7475	6540
Hardin	22568	20688	19610	17571	18195	16804	16515	15102	13921	14651	14156	13277	12494	11351	10979	11157	9690	9037	8607	7024	6655
Harrison	19369	16748	16809	15183	15877	14210	13679	12917	12148	12108	11983	12044	10875	9676	9793	9832	7837	7832	7505	5892	5392
Henry	20592	18984	18728	17492	17110	16211	16050	14795	13877	13435	12967	12337	11714	10386	10303	10106	8866	8576	8015	7099	6729
Howard	20665	18601	18039	14928	15680	14799	14847	13845	11919	13039	12602	11301	11544	9167	8959	9203	7618	7874	7496	6526	5371
Humboldt	23606	21089	19859	16997	18136	15645	15955	16366	14275	14214	13365	12223	12037	10737	11054	11171	9049	8781	8886	7177	6398
Ida	20573	18059	17599	15540	16766	15375	15493	14935	14469	14102	13157	12739	12143	8990	9688	10070	7342	8073	8470	6413	4971
Iowa	22496	20537	21171	19657	19933	17824	16995	15928	14382	14934	13464	13257	13200	10313	10012	9985	8519	8493	8292	6870	6363
Jackson	17914	16608	16536	15947	15262	14417	14397	13500	12389	12581	11475	11064	10903	8985	9105	9135	7837	7561	7331	6235	5751
Jasper	22832	21324	20622	18864	18749	17871	17414	16514	15534	15483	14597	13973	13541	12134	11472	11311	9765	9143	8558	7177	6808
Jefferson	20491	18422	18010	16346	16703	15669	15633	14591	13561	13488	12914	11674	11109	9119	8842	9177	7866	7839	7168	6287	6081
Johnson	23687	22495	21903	20671	19529	18502	17701	16927	15436	14736	14088	13285	12776	11733	11154	10679	9724	8857	8180	7173	6291
Jones	17072	15440	15480	14576	14650	13847	14053	13405	11971	12288	11356	10919	10700	8695	8791	9002	7582	7590	7396	6103	5533
Keokuk	19067	16352	17105	15336	15923	15291	15170	14788	12896	14589	13251	12516	12151	10092	10165	9652	8124	8116	8047	6628	6046
Kossuth	20397	18142	18367	14829	16703	14387	15605	15441	14473	14381	14096	12534	11970	10742	10261	10512	8825	8168	8335	6953	5986
Lee	20161	18897	18483	17175	16870	16249	15709	14867	13952	13453	13182	12805	12225	11048	10745	10529	9313	8797	8046	6945	6432
Linn	25521	24323	23237	21939	20991	20194	19605	18746	17298	16475	15474	14632	13743	12775	12352	11816	10791	10060	8873	7911	7168
Louisa	17897	16996	17140	15615	16350	15097	15390	14495	13231	13383	12846	11958	11637	9685	10660	10377	8941	7793	7212	6436	6066
Lucas	17322	15924	17196	15707	16014	15205	14891	14289	13546	13193	12618	11511	10877	10079	9996	9679	8675	7882	7627	6177	6301
Lyon	20052	17311	17214	14691	15559	15021	14531	14412	12673	13074	12444	12022	11482	9638	10127	9732	7493	8259	7773	6103	4787
Madison	20243	18335	18599	16709	16631	15805	15453	14892	13544	13625	13098	12373	11489	10249	10340	9720	8624	7972	7789	6627	6664
Mahaska	19525	17968	17831	16555	16465	15669	15493	14617	13472	13904	13242	12383	11583	10266	10512	10273	8743	8526	8210	6867	6305
Marion	21720	20233	19793	18296	17883	16878	16596	15577	14798	14851	13951	13223	12613	11809	11186	10759	9373	9008	8237	6814	6742
Marshall	21882	21277	20593	19295	19241	18383	17668	16986	15226	15022	14164	13622	13051	12241	11769	11549	10403	9528	8828	7618	7447
Mills	22923	20757	21098	19158	19785	18819	18208	17041	16553	15979	14967	13703	12284	10912	10751	10158	8959	8326	8388	6962	6919
Mitchell	22828	20728	19979	17430	18854	17491	17881	16402	14454	15696	14776	13472	12996	10402	10017	9735	7932	7932	7964	6854	5475
Monona	19708	16814	17576	15564	16389	14066	14124	13970	12770	12335	12527	11764	10754	9471	10630	10833	7569	7355	7839	6417	4960
Monroe	18657	17003	17327	16263	16230	15407	15017	14006	12894	12861	11758	11231	10601	9397	9386	8767	8078	7215	6823	5945	5837
Montgomery	21840	19110	19282	17549	18077	17240	16408	15905	14362	13969	13527	12462	11784	10918	11072	10779	9343	9679	8421	7068	6813
Muscatine	24175	22506	21813	20591	19684	18281	17884	16847	15933	15370	14648	14200	13680	12366	12029	11622	10236	9216	8462	7542	7046
O'Brien	22121	19633	18781	16338	17400	16826	16580	15788	15500	14814	14099	13191	12351	10902	10899	10575	8896	8739	8767	7353	6380
Osceola	21340	19055	18055	14399	16025	15863	15193	14330	13526	12992	12331	11230	10812	9434	9447	10165	8616	8415	8631	7232	5699

Table 1. Per Capita Income in Iowa's Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	
Page	20662	18977	18816	17262	17693	16512	16109	15440	13846	13713	13785	12424	11149	10523	10111	9741	8516	8523	7746	6752	6607	
Palo Alto	21421	18408	17754	14557	16640	14080	15367	14467	13759	13898	13189	12515	10759	9687	10098	10540	9399	8086	8308	6885	5710	
Plymouth	20869	19362	18610	17787	17880	16978	16120	15550	13443	14268	13015	12682	11720	9547	9907	9719	7512	8088	8148	6484	5600	
Pocahontas	21501	18630	18719	14937	17415	14991	14985	15339	13923	13665	14170	13571	11193	10041	11043	11659	9220	8337	8887	7281	5517	
Polk	27414	26081	24712	23583	22792	21654	20809	19681	18540	17303	16443	15738	15055	14011	13387	12634	11604	10762	9488	8528	7582	
Pottawattamie	20299	19112	18279	17046	16841	15957	15273	14499	14003	13633	13113	12718	12091	11124	10651	10292	9126	8424	7963	6857	6268	
Poweshiek	21423	20241	19764	18110	18058	17144	16750	15945	14692	14838	13955	12641	12495	10790	10669	10408	8810	8690	8278	6889	6623	
Ringgold	16005	13512	15891	13428	14283	13403	13045	13247	11505	12511	11879	9829	8766	8335	9088	8377	7320	6902	7194	5584	6158	
Sac	20403	17499	17250	15059	15913	15168	14884	14713	13929	13569	13798	12200	11835	10177	10662	11453	8786	9354	8890	6951	5901	
Scott	22931	21900	20790	20083	19401	18668	18252	17139	16071	15355	14423	14029	13528	12411	12122	11897	10832	9902	8804	7886	7083	
Shelby	20682	18400	17992	16103	16823	16095	15814	14826	13597	13692	12528	12649	11593	9619	10023	10232	7850	8611	8540	6107	5655	
Sioux	20474	18411	17499	16414	16756	15790	15186	14536	13142	13316	12568	12477	11950	9728	9247	9812	8155	8310	8179	6359	5697	
Story	22217	21016	19584	18197	17737	16761	15787	15095	13840	13476	12707	12137	11498	10478	10074	9536	8711	8010	7295	6230	5718	
Tama	20055	18992	18381	16502	16636	15976	15894	14965	14120	14292	13294	12513	11945	10307	10733	10545	8806	8134	7969	6954	6531	
Taylor	15622	13016	14323	12552	13601	12916	12236	11689	10681	11691	11495	10660	8945	8495	9137	8471	7280	7472	6906	5983	6015	
Union	18541	17095	17189	15809	15728	14919	14559	13934	12977	12702	12322	11735	10837	10193	10229	9365	8372	7668	6992	6082	5975	
Van Buren	17463	14690	15473	13880	14439	13474	13264	12364	10960	11245	10572	9899	9159	7992	8251	8041	6945	7069	6898	5924	5677	
Wapello	19272	18250	17490	16334	16224	15732	15143	14338	13293	12701	12063	11675	11270	10373	10187	9702	9137	8275	7344	6567	5948	
Warren	21019	19912	19383	18073	17727	16726	16053	15276	14465	13703	12939	12501	11824	10912	10550	10084	9215	8665	7976	6784	6407	
Washington	21156	19570	18800	17346	17511	16865	16603	15761	14158	14747	14056	13896	13831	11960	11924	11565	9576	9542	8867	7227	6713	
Wayne	16155	14103	15460	13320	13536	13128	13027	12848	11718	12686	12297	11268	10118	9158	9228	8863	7655	7358	7046	5300	5619	
Webster	22531	21141	19872	17736	17713	16612	15579	15163	13803	13432	13184	12232	11692	11283	11092	11004	10065	9260	8375	7153	6512	
Winnebago	22260	20640	20588	18075	18079	16473	17072	16727	16908	16006	15099	14092	13861	11444	10550	10100	8575	8504	8474	7885	6921	
Winneshiek	19892	18283	18010	16613	16591	15445	15439	14247	12529	12958	11951	10911	10672	8122	8131	7980	6504	6388	6532	5617	5068	
Woodbury	22415	21169	19907	19032	18719	17066	16502	15886	15094	14658	13619	13054	12327	11531	11187	10901	9559	8897	8313	7462	6768	
Worth	20886	19616	18725	15121	16681	15589	16488	14865	14031	14110	13206	12528	12341	9936	9521	9511	7580	7775	8259	6983	6045	
Wright	22047	20215	18993	16100	17350	15551	15810	16469	14918	14643	14258	13383	13638	12195	11899	11702	10084	9645	9265	7966	6921	
State of Iowa	22330	20826	20077	18592	18441	17357	16911	16073	14900	14547	13748	13070	12473	11240	11002	10789	9495	8967	8310	7174	6492	
Counties:																						
Range: Low	14225	12717	13921	12552	12974	12377	12011	11631	10108	10684	10139	9553	8460	7302	7543	7047	5970	5832	6060	4801	4787	
High	27414	26081	24712	23583	22792	21654	20809	19681	18540	17303	16443	15738	15055	14011	13387	12634	11604	10762	9488	8528	7582	
Number Inc.	99	71	99	34	99	76	91	98	53	93	97	97	98	58	59	99	78	81	99	87		
United States	24436	23359	22186	21368	20631	19687	19188	18172	17062	15990	15185	14448	13588	12384	11729	11144	10062	9118	8196	7334	6690	

Table 2. Adjusted Per Capita Income (1996 Dollars) in Iowa's Counties, 1976-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Adair	19258	16916	18880	16530	18339	17215	18265	18466	16885	17806	18195	16169	15216	13430	14734	15604	13574	16249	18519	15268	17031
Adams	19653	15852	18449	15980	17498	16821	16921	17070	15365	17494	17487	15586	14260	14003	14988	15429	13533	15785	17212	14830	17758
Allamakee	17743	16606	17283	16626	17157	16315	17368	16959	15860	17103	16389	15317	15567	12716	13574	14205	13044	14916	16293	15837	16948
Appanoose	16666	15930	16495	15531	15702	15325	15236	15158	14803	15176	15279	14332	14312	13966	14210	14479	14650	15798	15642	15303	15889
Audubon	20861	18720	19167	17038	19027	18529	17987	18789	17141	18826	17313	16881	15566	13010	14263	16278	14048	15800	18385	14969	15375
Benton	20810	19576	19367	18044	18742	18123	18635	18922	17857	19166	19165	17733	17994	16243	16509	17610	16561	18478	19965	17476	17090
Black Hawk	21463	21164	20552	19777	19718	19014	19346	19373	19008	18583	17900	17818	18063	17890	18183	19057	19130	19944	19704	19411	17828
Boone	22635	21890	22052	20652	21051	20282	20359	20898	19947	20655	20025	18874	18365	17933	17845	18608	18438	19404	20266	16808	17764
Bremer	21231	20491	20453	19546	19808	18659	19047	18477	17809	18204	17765	17688	17677	16192	16399	17330	16808	17957	18569	17866	16371
Buchanan	19204	17968	18275	16952	17821	17440	17758	17465	16577	17664	16243	15754	15895	13497	14412	15521	14715	16337	17179	15890	15254
Buena Vista	21666	20239	19779	18079	19211	18881	19058	19570	18821	19096	19419	18726	17410	16336	16832	18590	17585	19049	20313	18953	15771
Butler	20133	18557	18348	17187	18748	17787	18246	17077	16776	18149	17590	17659	17374	14906	15143	16358	15894	17307	19025	16720	15846
Calhoun	21669	19968	20004	16926	19181	16835	17652	18908	18784	19034	19097	18312	17671	17056	17138	19389	18496	19861	19960	16611	14977
Carroll	22341	20888	20975	19563	21034	19564	19409	20276	20105	20618	19806	19261	19176	17790	18340	19991	18680	20060	20774	17193	15766
Cass	19796	18638	19279	18285	19116	18188	18577	19304	18028	18982	18896	18292	17912	16768	17034	18241	16401	18590	19565	17790	18167
Cedar	21501	19958	20598	19359	19768	19344	20294	20253	19314	20036	18906	18776	19315	16397	17031	18389	16725	19205	20771	18071	17812
Cerro Gordo	22331	21480	20975	19878	20247	19816	20339	19746	19890	20122	19507	18978	19179	18066	17801	18561	18018	18963	19683	18789	18108
Cherokee	20979	19366	19664	17174	19030	18995	19364	19180	19285	19064	18543	17564	17112	15309	16073	17356	15857	17337	18902	16834	15103
Chickasaw	19537	18736	18570	16911	18221	17493	17779	17671	17131	18960	17714	17195	17245	14815	15122	16627	15656	17598	18780	17625	15372
Clarke	15331	14450	15786	14581	15629	15624	16214	16467	15428	16439	16158	15138	14085	13864	14490	14613	14544	14876	15933	15364	15020
Clay	22821	21282	21093	18398	19490	18768	19838	20445	20545	20154	19588	18241	17140	16123	16713	18089	18013	19313	20238	20367	18334
Clayton	19291	17847	17645	16939	17844	17028	17847	17470	16069	17595	17028	15710	16077	12117	13164	14304	12502	14859	16187	14507	14330
Clinton	21154	20045	19832	19044	19590	18948	19157	19253	18588	18738	18306	17962	18107	16624	16897	18184	17812	18691	18804	17575	16778
Crawford	20460	19305	19738	18085	18692	17618	17669	17170	16992	17566	17451	16210	16192	14431	15528	17105	14215	15966	17673	14942	13725
Dallas	24107	23342	23065	21987	22097	21168	21402	21908	21086	21298	20729	19657	19834	19083	18973	19500	18210	19794	19732	18587	18722
Davis	17829	16008	16902	16553	16836	15759	16219	15172	14502	15074	14963	14278	14389	13106	13951	13786	13463	14625	14878	13201	14198
Decatur	14225	13088	14733	13998	14475	14209	14345	14622	13320	14642	14393	13770	12627	11272	11999	11881	11096	12299	14245	12144	13057
Delaware	19140	16972	17410	16450	17107	17029	18292	18193	16817	18940	17910	16359	16536	12805	13639	15091	12942	15886	17609	15243	14527
Des Moines	21777	21192	21023	20394	20431	20010	20454	20172	19955	20095	19847	19262	19210	17980	17833	18479	18535	19872	19843	19252	18566
Dickinson	25157	23866	23614	21822	22373	21314	22046	22210	21358	21199	20410	19163	19788	17717	17710	18351	17656	19205	20564	19098	17462
Dubuque	22096	21755	21260	20489	20357	19610	19804	19763	19255	19617	18671	18187	17989	16524	16294	17034	16983	18271	18686	17876	16517
Emmet	20610	19396	19394	16954	18559	17320	18094	18119	17548	18326	18160	17492	16710	15797	16220	18458	18531	17883	19488	18111	16380
Fayette	18330	17292	17449	15691	16674	16314	17077	17021	15852	17395	16550	16023	16327	13920	13975	14955	13938	16382	17066	15394	14640
Floyd	20825	19680	19132	18083	19124	18822	19388	17927	18012	18829	18245	17313	17727	15795	16172	16643	16567	18016	18750	18389	16861
Franklin	21742	19586	19457	16105	19313	17187	18592	18727	18315	19658	19870	18012	17825	15399	15623	17536	15987	17470	19833	16715	16961
Fremont	20388	16925	17952	14847	17658	16668	16577	17449	18106	17869	19714	18858	16889	18160	17099	18337	17868	18653	19758	16497	18779

Table 2. Adjusted Per Capita Income (1996 Dollars) in Iowa's Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Greene	22574	21202	20507	17699	20428	18553	18408	19764	18388	20141	19852	18028	17489	17705	17984	19704	18782	20416	22050	15238	18035
Grundy	22678	22623	21619	20204	22245	20740	20768	19758	19595	20971	20141	19226	19471	18356	18871	20564	19332	20992	21711	20190	19005
Guthrie	20394	18540	18891	17463	18723	18273	18843	19277	17594	18986	18037	17509	16733	14847	15881	16691	14682	16614	17840	14823	15451
Hamilton	23888	21980	21878	18830	20589	20185	20133	21490	18875	20683	20793	19997	19216	18909	18962	20478	19158	20551	21382	18824	18367
Hancock	20281	18566	18959	15971	17794	16194	18106	17520	17772	18178	19172	18750	18522	17239	17359	18770	16726	18488	20146	18908	17610
Hardin	22568	21291	20754	19066	20300	19292	19724	18985	18344	20078	20096	19138	18648	17523	17465	18811	18011	19058	20233	17767	17920
Harrison	19369	17236	17789	16475	17714	16314	16337	16238	16008	16593	17011	17361	16231	14937	15579	16577	14567	16517	17642	14904	14519
Henry	20592	19537	19820	18980	19089	18611	19169	18599	18286	18412	18408	17783	17483	16033	16390	17039	16479	18086	18841	17957	18119
Howard	20665	19143	19091	16198	17494	16990	17732	17405	15706	17869	17890	16290	17230	14151	14252	15516	14160	16605	17621	16507	14462
Humboldt	23606	21704	21017	18443	20234	17961	19056	20574	18811	19480	18973	17619	17965	16575	17585	18834	16819	18518	20889	18154	17228
Ida	20573	18585	18625	16862	18705	17651	18504	18775	19066	19326	18678	18363	18124	13878	15412	16978	13647	17025	19911	16222	13385
Iowa	22496	21135	22406	21330	22239	20463	20298	20023	18952	20466	19114	19109	19701	15920	15927	16835	15834	17911	19492	17378	17133
Jackson	17914	17092	17500	17304	17027	16551	17195	16971	16325	17242	16290	15948	16273	13870	14484	15402	14567	15945	17233	15771	15486
Jasper	22832	21945	21825	20469	20918	20517	20798	20760	20470	21219	20722	20141	20210	18731	18249	19070	18150	19281	20118	18154	18332
Jefferson	20491	18959	19060	17737	18635	17989	18671	18343	17870	18485	18333	16827	16580	14077	14066	15472	14621	16531	16850	15903	16374
Johnson	23687	23151	23180	22430	21788	21241	21141	21279	20341	20195	19999	19150	19068	18112	17744	18005	18074	18678	19229	18144	16940
Jones	17072	15890	16383	15816	16345	15897	16784	16852	15775	16840	16121	15739	15970	13423	13985	15177	14093	16006	17386	15437	14899
Keokuk	19067	16829	18103	16641	17765	17555	18118	18590	16994	19993	18811	18041	18136	15579	16170	16273	15100	17116	18916	16765	16280
Kossuth	20397	18671	19438	16091	18635	16517	18638	19411	19072	19708	20011	18067	17865	16583	16323	17723	16403	17225	19593	17587	16118
Lee	20161	19448	19561	18636	18821	18654	18762	18690	18385	18437	18713	18458	18246	17055	17093	17752	17310	18552	18914	17567	17319
Linn	25521	25032	24592	23806	23419	23183	23415	23566	22794	22578	21967	21091	20512	19721	19649	19922	20057	21215	20858	20011	19301
Louisa	17897	17491	18140	16944	18241	17332	18381	18222	17435	18341	18236	17237	17368	14951	16958	17496	16619	16434	16954	16280	16334
Lucas	17322	16388	18199	17043	17866	17456	17785	17963	17850	18080	17913	16592	16234	15559	15901	16319	16124	16622	17929	15625	16967
Lyon	20052	17815	18218	15941	17359	17245	17355	18118	16700	17917	17666	17329	17137	14878	16110	16408	13927	17417	18272	15437	12890
Madison	20243	18869	19684	18131	18555	18145	18456	18721	17847	18672	18594	17835	17148	15822	16449	16388	16029	16812	18310	16763	17944
Mahaska	19525	18492	18871	17964	18370	17989	18504	18375	17753	19055	18798	17849	17288	15848	16722	17320	16251	17980	19300	17370	16977
Marion	21720	20823	20947	19853	19952	19377	19821	19582	19500	20353	19805	19060	18825	18230	17794	18140	17422	18997	19363	17236	18154
Marshall	21882	21897	21794	20937	21467	21104	21101	21353	20064	20587	20107	19635	19479	18897	18722	19472	19336	20093	20752	19270	20052
Mills	22923	21362	22328	20788	22074	21605	21746	21423	21813	21898	21247	19752	18334	16845	17103	17126	16652	17558	19718	17610	18631
Mitchell	22828	21332	21144	18913	21035	20080	21356	20619	19047	21511	20976	19419	19397	16058	15935	16413	14743	16728	18721	17337	14742
Monona	19708	17304	18601	16888	18285	16148	16869	17562	16828	16904	17783	16957	16051	14620	16910	18265	14069	15511	18427	16232	13356
Monroe	18657	17498	18338	17647	18107	17688	17935	17607	16991	17625	16692	16189	15822	14506	14931	14781	15015	15215	16039	15038	15717
Montgomery	21840	19667	20407	19042	20168	19792	19597	19994	18925	19144	19203	17963	17588	16854	17613	18173	17366	20412	19796	17878	18345
Muscatine	24175	23162	23085	22343	21961	20987	21359	21179	20996	21064	20794	20469	20418	19090	19136	19595	19026	19435	19892	19077	18973
O'Brien	22121	20205	19876	17728	19413	19317	19802	19847	20425	20302	20015	19014	18434	16830	17338	17830	16535	18429	20609	18599	17179
Osceola	21340	19610	19108	15624	17879	18211	18145	18015	17824	17805	17505	16187	16137	14563	15028	17138	16015	17746	20289	18293	15346

Table 2. Adjusted Per Capita Income (1996 Dollars) in Iowa's Counties, 1976-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Page	20662	19530	19913	18731	19740	18956	19239	19410	18245	18793	19569	17909	16640	16244	16084	16423	15829	17974	18209	17079	17790
Palo Alto	21421	18944	18789	15796	18565	16164	18353	18187	18131	19046	18723	18040	16058	14954	16064	17771	17470	17052	19530	17415	15375
Plymouth	20869	19926	19695	19300	19948	19491	19253	19548	17714	19554	18476	18280	17492	14738	15760	16386	13963	17057	19154	16401	15079
Pocahontas	21501	19173	19811	16208	19429	17210	17897	19283	18347	18727	20116	19562	16706	15500	17567	19657	17137	17582	20891	18417	14855
Polk	27414	26841	26153	25590	25428	24860	24853	24741	24431	23713	23343	22685	22470	21629	21296	21301	21568	22696	22304	21571	20416
Pottawattamie	20299	19669	19345	18496	18789	18319	18241	18227	18452	18683	18615	18332	18046	17172	16943	17352	16963	17765	18719	17345	16878
Poweshiek	21423	20831	20917	19651	20147	19682	20005	20045	19360	20335	19811	18221	18649	16657	16972	17548	16375	18326	19459	17426	17834
Ringgold	16005	13906	16818	14571	15935	15387	15580	16653	15161	17146	16863	14168	13083	12867	14457	14124	13606	14555	16911	14125	16581
Sac	20403	18009	18256	16340	17754	17413	17776	18496	18355	18596	19588	17586	17664	15710	16961	19310	16331	19726	20898	17582	15889
Scott	22931	22538	22003	21792	21645	21432	21799	21546	21177	21043	20475	20222	20191	19159	19283	20058	20133	20882	20696	19947	19072
Shelby	20682	18936	19041	17473	18769	18478	18887	18638	17917	18764	17785	18233	17303	14849	15944	17251	14591	18159	20075	15448	15227
Sioux	20474	18948	18520	17811	18694	18128	18137	18273	17318	18249	17842	17985	17836	15017	14710	16543	15158	17525	19227	16085	15340
Story	22217	21628	20726	19745	19789	19242	18855	18976	18237	18468	18039	17495	17161	16175	16026	16078	16191	16892	17149	15759	15397
Tama	20055	19545	19453	17906	18560	18341	18983	18813	18606	19586	18872	18037	17828	15911	17074	17779	16368	17154	18733	17590	17586
Taylor	15622	13395	15158	13620	15174	14828	14614	14694	14075	16022	16318	15366	13351	13114	14535	14282	13531	15757	16234	15134	16196
Union	18541	17593	18191	17154	17547	17128	17388	17517	17100	17407	17492	16915	16174	15735	16272	15789	15561	16171	16436	15384	16089
Van Buren	17463	15118	16375	15061	16109	15469	15842	15543	14442	15411	15008	14269	13670	12337	13126	13557	12909	14908	16215	14985	15286
Wapello	19272	18782	18510	17724	18101	18061	18086	18025	17517	17406	17125	16829	16821	16013	16205	16358	16983	17451	17264	16611	16016
Warren	21019	20492	20513	19611	19778	19202	19173	19204	19061	18779	18368	18019	17648	16845	16783	17002	17128	18273	18750	17160	17252
Washington	21156	20140	19896	18822	19537	19362	19829	19813	18657	20210	19954	20030	20643	18463	18968	19499	17799	20123	20844	18281	18076
Wayne	16155	14514	16362	14453	15102	15071	15559	16151	15441	17386	17457	16242	15101	14137	14680	14943	14228	15517	16563	13406	15130
Webster	22531	21757	21031	19245	19762	19071	18606	19062	18189	18408	18716	17632	17451	17418	17645	18553	18708	19528	19687	18093	17535
Winnebago	22260	21241	21789	19613	20170	18912	20390	21028	22280	21935	21435	20313	20688	17666	16783	17029	15938	17934	19920	19945	18636
Winneshiek	19892	18816	19060	18027	18510	17731	18439	17910	16510	17758	16966	15728	15928	12538	12935	13454	12089	13471	15355	14208	13646
Woodbury	22415	21786	21068	20651	20884	19592	19709	19971	19890	20088	19334	18817	18398	17801	17796	18379	17767	18763	19542	18875	18224
Worth	20886	20188	19817	16408	18611	17897	19692	18687	18489	19337	18747	18058	18419	15338	15146	16036	14089	16396	19415	17663	16277
Wright	22047	20804	20101	17470	19357	17853	18882	20703	19658	20067	20241	19291	20355	18826	18929	19730	18743	20340	21780	20150	18636
State of Iowa	22330	21433	21248	20174	20574	19926	20197	20206	19634	19936	19517	18840	18616	17351	17502	18190	17648	18910	19535	18146	17481
Counties:																					
Range: Low	14225	13088	14733	13620	14475	14209	14345	14622	13320	14642	14393	13770	12627	11272	11999	11881	11096	12299	14245	12144	12890
High	27414	26841	26153	25590	25428	24860	24853	24741	24431	23713	23343	22685	22470	21629	21296	21301	21568	22696	22304	21571	20416
Number Inc.	98	44	99	8	98	18	47	88	14	76	94	68	97	25	7	86	3	9	97	65	
United States	24436	24040	23480	23186	23017	22601	22917	22844	22483	21913	21557	20826	20280	19117	18658	18789	18702	19229	19267	18551	18014

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1996 dollars) for Iowa's Counties in Selected Periods, 1976-1996.

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1976-1996			1986-1996			1991-1996			1976-1996			1986-1996			1991-1996		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Adair	12933	204.5	12	6441	50.3	6	4263	28.4	3	2227	13.1	9	1063	5.8	4	2043	11.9	3
Adams	13058	198.0	14	7335	59.5	7	5001	34.1	3	1895	10.7	10	2166	12.4	5	2832	16.8	3
Allamakee	11449	181.9	13	6198	53.7	6	3532	24.9	3	795	4.7	10	1354	8.3	6	1428	8.8	3
Appanoose	10765	182.4	19	5903	54.8	9	3317	24.8	4	777	4.9	11	1387	9.1	6	1341	8.8	3
Audubon	15151	265.3	15	8665	71.0	8	4721	29.3	4	5486	35.7	11	3548	20.5	6	2332	12.6	3
Benton	14463	227.9	17	7310	54.1	8	5024	31.8	4	3720	21.8	11	1645	8.6	6	2687	14.8	4
Black Hawk	14842	224.2	20	8854	70.2	10	4901	29.6	5	3635	20.4	13	3563	19.9	8	2449	12.9	5
Boone	16038	243.1	20	8529	60.5	10	4968	28.1	5	4871	27.4	11	2610	13.0	5	2353	11.6	3
Bremer	15151	249.2	20	8717	69.7	10	4978	30.6	5	4860	29.7	13	3466	19.5	7	2572	13.8	4
Buchanan	13539	239.0	16	7762	67.8	8	4013	26.4	4	3950	25.9	11	2961	18.2	6	1764	10.1	3
Buena Vista	15809	269.9	18	7987	58.4	9	5220	31.7	4	5895	37.4	11	2247	11.6	5	2785	14.8	4
Butler	14248	242.1	17	7742	62.5	8	4640	29.9	4	4287	27.1	12	2543	14.5	7	2346	13.2	4
Calhoun	16107	289.6	16	8217	61.1	7	7005	47.8	4	6692	44.7	10	2572	13.5	4	4834	28.7	3
Carroll	16486	281.6	17	8389	60.1	9	5300	31.1	4	6575	41.7	12	2535	12.8	6	2777	14.2	3
Cass	13049	193.4	16	6485	48.7	7	3953	25.0	3	1629	9.0	10	900	4.8	5	1608	8.8	3
Cedar	14886	225.0	15	8183	61.4	8	4651	27.6	4	3689	20.7	11	2595	13.7	6	2157	11.2	3
Cerro Gordo	15606	232.1	20	8590	62.5	10	5070	29.4	5	4223	23.3	12	2824	14.5	6	2515	12.7	4
Cherokee	15370	274.0	17	7917	60.6	9	4433	26.8	4	5876	38.9	12	2436	13.1	6	1984	10.4	3
Chickasaw	13828	242.2	17	7059	56.6	8	4300	28.2	4	4165	27.1	12	1823	10.3	7	2044	11.7	4
Clarke	9753	174.8	16	3949	34.7	7	1722	12.7	3	311	2.1	11	-827	-5.1	5	-293	-1.9	3
Clay	16012	235.2	16	9023	65.4	8	6473	39.6	4	4487	24.5	11	3233	16.5	6	4053	21.6	4
Clayton	13969	262.5	14	7296	60.8	7	4459	30.1	4	4961	34.6	12	2263	13.3	7	2263	13.3	4
Clinton	14923	239.5	18	8259	64.0	9	4649	28.2	4	4376	26.1	11	2848	15.6	6	2206	11.6	4
Crawford	15363	301.4	17	8167	66.4	9	5114	33.3	4	6735	49.1	12	3009	17.2	6	2842	16.1	3
Dallas	17154	246.7	20	9505	65.1	10	5669	30.7	5	5385	28.8	12	3378	16.3	6	2939	13.9	4
Davis	12556	238.1	17	7289	69.2	9	4102	29.9	4	3631	25.6	11	2866	19.2	6	2070	13.1	3
Decatur	9376	193.4	14	4086	40.3	7	1848	14.9	3	1168	8.9	11	-168	-1.2	5	16	.1	3
Delaware	13745	254.8	14	6524	51.7	7	4307	29.0	4	4613	31.8	11	1230	6.9	6	2111	12.4	3
Des Moines	14882	215.8	20	7796	55.8	10	4347	24.9	5	3211	17.3	14	1930	9.7	7	1767	8.8	4
Dickinson	18672	287.9	20	10780	75.0	10	6591	35.5	5	7695	44.1	13	4747	23.3	7	3843	18.0	4
Dubuque	15962	260.2	20	8944	68.0	10	5015	29.4	5	5579	33.8	15	3425	18.3	8	2486	12.7	5
Emmet	14527	238.8	16	7818	61.1	7	5523	36.6	4	4230	25.8	12	2450	13.5	6	3290	19.0	4
Fayette	12893	237.1	15	6672	57.2	7	4120	29.0	4	3690	25.2	11	1780	10.8	6	2016	12.4	3

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1996 dollars) for Iowa's Counties in Selected Periods, 1976-1996 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1976-1996			1986-1996			1991-1996			1976-1996			1986-1996			1991-1996		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Floyd	14563	232.6	18	7973	62.0	8	4430	27.0	4	3964	23.5	11	2580	14.1	6	2003	10.6	4
Franklin	15443	245.2	15	7745	55.3	7	6771	45.2	4	4781	28.2	10	1872	9.4	5	4555	26.5	4
Fremont	13414	192.3	13	6501	46.8	6	5869	40.4	3	1609	8.6	10	674	3.4	5	3720	22.3	3
Greene	15876	237.0	15	8590	61.4	7	6413	39.7	4	4539	25.2	11	2722	13.7	7	4021	21.7	4
Grundy	15620	221.3	17	8490	59.8	8	4612	25.5	4	3673	19.3	12	2537	12.6	7	1938	9.3	4
Guthrie	14656	255.4	17	7688	60.5	8	4477	28.1	4	4943	32.0	10	2357	13.1	5	2121	11.6	3
Hamilton	17067	250.2	16	9241	63.1	7	6306	35.9	4	5521	30.1	12	3095	14.9	6	3703	18.3	4
Hancock	13741	210.1	16	6776	50.2	7	6175	43.8	4	2671	15.2	10	1109	5.8	4	4087	25.2	3
Hardin	15913	239.1	17	8412	59.4	8	5764	34.3	4	4648	25.9	12	2472	12.3	6	3276	17.0	4
Harrison	13977	259.2	15	7386	61.6	8	5159	36.3	3	4850	33.4	10	2358	13.9	5	3055	18.7	3
Henry	13863	206.0	20	7625	58.8	10	4381	27.0	5	2473	13.6	11	2184	11.9	6	1981	10.6	3
Howard	15294	284.8	14	8063	64.0	7	5866	39.6	4	6203	42.9	11	2775	15.5	6	3675	21.6	4
Humboldt	17208	269.0	14	10241	76.6	7	7961	50.9	4	6378	37.0	11	4633	24.4	6	5645	31.4	4
Ida	15602	313.9	14	7416	56.4	8	5198	33.8	4	7188	53.7	10	1895	10.1	4	2922	16.6	3
Iowa	16133	253.5	17	9032	67.1	7	4672	26.2	3	5363	31.3	12	3382	17.7	7	2033	9.9	3
Jackson	12163	211.5	17	6439	56.1	9	3497	24.3	5	2428	15.7	12	1624	10.0	7	1363	8.2	4
Jasper	16024	235.4	20	8235	56.4	10	4961	27.8	5	4500	24.5	12	2110	10.2	7	2315	11.3	4
Jefferson	14410	237.0	18	7577	58.7	9	4822	30.8	4	4117	25.1	12	2158	11.8	6	2502	13.9	3
Johnson	17396	276.5	20	9599	68.1	10	5185	28.0	5	6747	39.8	14	3688	18.4	8	2446	11.5	4
Jones	11539	208.5	13	5716	50.3	6	3225	23.3	3	2173	14.6	10	951	5.9	5	1175	7.4	3
Keokuk	13021	215.4	16	5816	43.9	7	3776	24.7	3	2787	17.1	10	256	1.4	5	1512	8.6	3
Kossuth	14411	240.7	15	6301	44.7	7	6010	41.8	3	4279	26.5	11	386	1.9	4	3880	23.5	3
Lee	13729	213.4	20	6979	52.9	10	3912	24.1	5	2842	16.4	11	1448	7.7	5	1507	8.1	3
Linn	18353	256.0	20	10047	64.9	10	5327	26.4	5	6220	32.2	15	3554	16.2	8	2338	10.1	5
Louisa	11831	195.0	15	5051	39.3	6	2800	18.5	3	1563	9.6	11	-339	-1.9	6	565	3.3	3
Lucas	11021	174.9	17	4704	37.3	8	2117	13.9	3	355	2.1	10	-591	-3.3	5	-134	-0.8	3
Lyon	15265	318.9	16	7608	61.1	8	5031	33.5	4	7162	55.6	11	2386	13.5	5	2807	16.3	3
Madison	13579	203.8	16	7145	54.6	8	4438	28.1	4	2299	12.8	11	1649	8.9	5	2098	11.6	3
Mahaska	13220	209.7	18	6283	47.4	9	3856	24.6	5	2548	15.0	12	727	3.9	6	1536	8.5	3
Marion	14978	222.2	19	7769	55.7	9	4842	28.7	5	3566	19.6	12	1915	9.7	6	2343	12.1	3
Marshall	14435	193.8	20	7718	54.5	10	3499	19.0	5	1830	9.1	12	1775	8.8	6	778	3.7	3
Mills	16004	231.3	17	7956	53.2	8	4104	21.8	3	4292	23.0	10	1676	7.9	5	1318	6.1	3
Mitchell	17353	316.9	15	8052	54.5	7	5337	30.5	4	8086	54.9	14	1852	8.8	7	2748	13.7	4

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1996 dollars) for Iowa's Counties in Selected Periods, 1976-1996 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1976-1996			1986-1996			1991-1996			1976-1996			1986-1996			1991-1996		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Monona	14748	297.3	13	7181	57.3	6	5642	40.1	3	6352	47.6	10	1925	10.8	4	3560	22.0	3
Monroe	12820	219.6	19	6899	58.7	9	3250	21.1	4	2940	18.7	11	1965	11.8	6	969	5.5	3
Montgomery	15027	220.6	16	8313	61.5	8	4600	26.7	3	3495	19.1	11	2637	13.7	5	2048	10.3	3
Muscatine	17129	243.1	20	9527	65.0	10	5894	32.2	5	5202	27.4	14	3381	16.3	8	3188	15.2	5
O'Brien	15741	246.7	18	8022	56.9	9	5295	31.5	4	4942	28.8	12	2106	10.5	6	2804	14.5	4
Osceola	15641	274.5	16	9009	73.1	9	5477	34.5	4	5994	39.1	14	3835	21.9	8	3129	17.2	3
Page	14055	212.7	17	6877	49.9	8	4150	25.1	4	2872	16.1	10	1093	5.6	4	1706	9.0	3
Palo Alto	15711	275.1	14	8232	62.4	7	7341	52.1	4	6046	39.3	14	2698	14.4	7	5257	32.5	4
Plymouth	15269	272.7	15	7854	60.3	8	3891	22.9	4	5790	38.4	13	2393	13.0	7	1378	7.1	4
Pocahontas	15984	289.7	13	7331	51.7	6	6510	43.4	3	6646	44.7	10	1385	6.9	4	4291	24.9	3
Polk	19832	261.6	20	10971	66.7	10	5760	26.6	5	6998	34.3	17	4071	17.4	10	2554	10.3	5
Pottawattamie	14031	223.9	20	7186	54.8	10	4342	27.2	5	3421	20.3	14	1684	9.0	7	1980	10.8	4
Poweshiek	14800	223.5	19	7468	53.5	9	4279	25.0	5	3589	20.1	9	1612	8.1	5	1741	8.8	3
Ringgold	9847	159.9	13	4126	34.7	6	2602	19.4	3	-576	-3.5	11	-858	-5.1	5	618	4.0	3
Sac	14502	245.8	15	6605	47.9	8	5235	34.5	4	4514	28.4	9	815	4.2	4	2990	17.2	3
Scott	15848	223.7	20	8508	59.0	10	4263	22.8	5	3859	20.2	15	2456	12.0	9	1499	7.0	5
Shelby	15027	265.7	14	8154	65.1	8	4587	28.5	4	5455	35.8	11	2897	16.3	6	2204	11.9	3
Sioux	14777	259.4	16	7906	62.9	8	4684	29.7	4	5134	33.5	12	2632	14.8	6	2346	12.9	4
Story	16499	288.5	20	9510	74.8	10	5456	32.6	5	6820	44.3	13	4178	23.2	7	2975	15.5	4
Tama	13524	207.1	17	6761	50.9	8	4079	25.5	4	2469	14.0	13	1183	6.3	7	1714	9.3	4
Taylor	9607	159.7	14	4127	35.9	7	2706	21.0	3	-574	-3.5	11	-696	-4.3	5	794	5.4	3
Union	12566	210.3	18	6219	50.5	9	3622	24.3	4	2452	15.2	10	1049	6.0	4	1413	8.2	3
Van Buren	11786	207.6	15	6891	65.2	7	3989	29.6	3	2177	14.2	11	2455	16.4	6	1994	12.9	3
Wapello	13324	224.0	20	7209	59.8	10	3540	22.5	5	3256	20.3	14	2147	12.5	8	1211	6.7	4
Warren	14612	228.1	20	8080	62.4	10	4293	25.7	5	3767	21.8	12	2651	14.4	7	1817	9.5	3
Washington	14443	215.1	18	7100	50.5	8	4291	25.4	4	3080	17.0	11	1202	6.0	7	1794	9.3	4
Wayne	10536	187.5	15	3858	31.4	7	3027	23.1	3	1025	6.8	9	-1302	-7.5	4	1084	7.2	3
Webster	16019	246.0	20	9347	70.9	10	5919	35.6	5	4996	28.5	11	3815	20.4	6	3460	18.1	4
Winnebago	15339	221.6	17	7161	47.4	7	5787	35.1	4	3624	19.4	10	825	3.8	5	3348	17.7	3
Winneshiek	14824	292.5	17	7941	66.4	9	4447	28.8	5	6246	45.8	11	2926	17.2	6	2161	12.2	3
Woodbury	15647	231.2	20	8796	64.6	10	5349	31.3	5	4191	23.0	13	3081	15.9	6	2823	14.4	4
Worth	14841	245.5	15	7680	58.2	7	5297	34.0	4	4609	28.3	13	2139	11.4	7	2989	16.7	4
Wright	15126	218.6	16	7789	54.6	7	6496	41.8	4	3411	18.3	10	1806	8.9	5	4194	23.5	4
State of Iowa	15838	244.0	20	8582	62.4	10	4973	28.7	5	4849	27.7	12	2813	14.4	6	2404	12.1	4
United States	17746	265.3	20	9251	60.9	10	4749	24.1	5	6422	35.7	16	2879	13.4	9	1835	8.1	5

capita income adjusted for inflation was higher in 1996 than it was in 1976 for Iowa (Table 2, Figure 3), but it did not increase as frequently as was the case before adjustment (Table 1). Instead, there were eight times (1978-1979, 1979-1980, 1981-1982, 1982-1983, 1987-1988, 1989-1990, 1990-1991, 1992-1993) when it declined. The purchasing power of Iowa's residents was greater in 1978 than it was from 1979 through 1986.

County trends for adjusted per capita income show more variation than when the unadjusted figures were examined. Between 1976 and 1996, differences between the highest and lowest counties reached \$7,000-\$7,999 in 1 year, \$8,000-\$8,999 in 3 years, \$9,000-\$9,999 in 5 years, and more than \$10,000 in 12 years. Adjusted per capita income increased in all Iowa counties from one year to the next only once—1993 to 1994—although at least three-quarters of the counties had increases in eight other year-to-year comparisons. On the other hand, fewer than 10 counties had increases on four occasions: 1978 to 1979, 1979 to 1980, 1981 to 1982, and 1992 to 1993. More counties experienced declines with the adjusted than the unadjusted figures, indicating that some did not always keep up with inflation even though income rose.

For the entire period between 1976 and 1996, Iowa's adjusted per capita income increased by \$4,849; the increase was \$6,422 for the nation. Ninety-seven counties experienced gains (Table 3). Twenty-nine increased by at least \$5,000, with Dickinson and Mitchell exceeding \$7,500. In Ringgold (-\$576) and Taylor (-\$574), adjusted per capita income was lower in 1996 than it had been 20 years earlier. None of the counties had increases in adjusted per capita income in all 20 year-to-year comparisons from 1976 through 1996. Polk increased 17 times, while Dubuque, Linn, and Scott had gains from one year to the next on 15 occasions. Adair, Poweshiek, Sac, and Wayne increased in fewer than 10 of the 20 comparisons.

The state's percentage increase in adjusted per capita income from 1976 to 1996 was 27.7 percent. Gains ranged from less than 10 percent in 10 counties to more than 50 percent in Ida, Lyon, and Mitchell. These percentage changes 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.

When income in 1986 is adjusted for inflation that occurred from that year to 1996, the increase is \$2,813 (+14.4%) (Table 3). Ninety-two counties noted adjusted figures higher in 1996 than in 1986, indicating that buying power had increased in the majority of counties. Similar results generally occur when the 1991-1996 period is examined, when 97 counties had higher adjusted per capita income in 1996 than in 1991.

Figure 1. Per capita income, 1996.

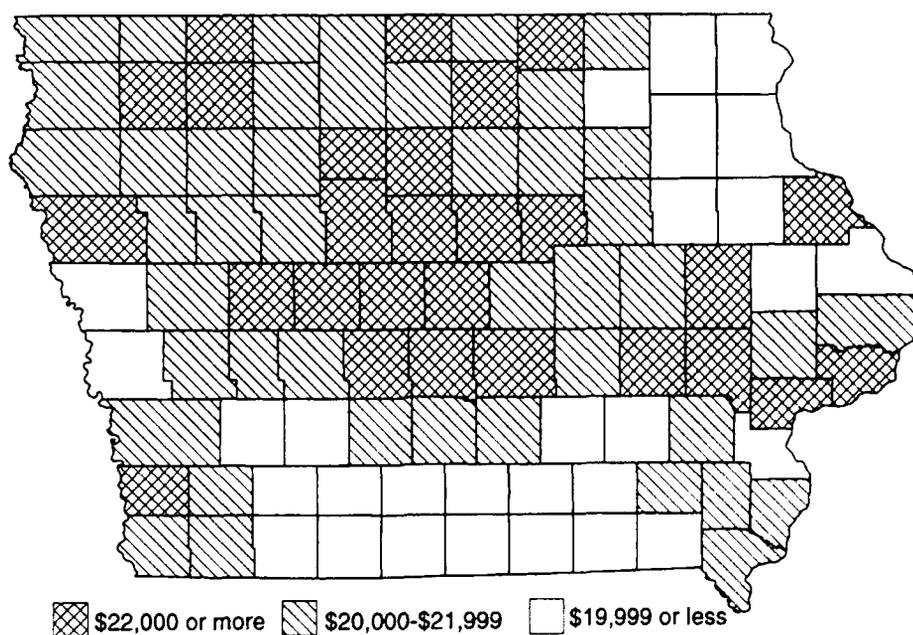


Figure 2. Per capita income in Iowa and the United States, 1976-1996.

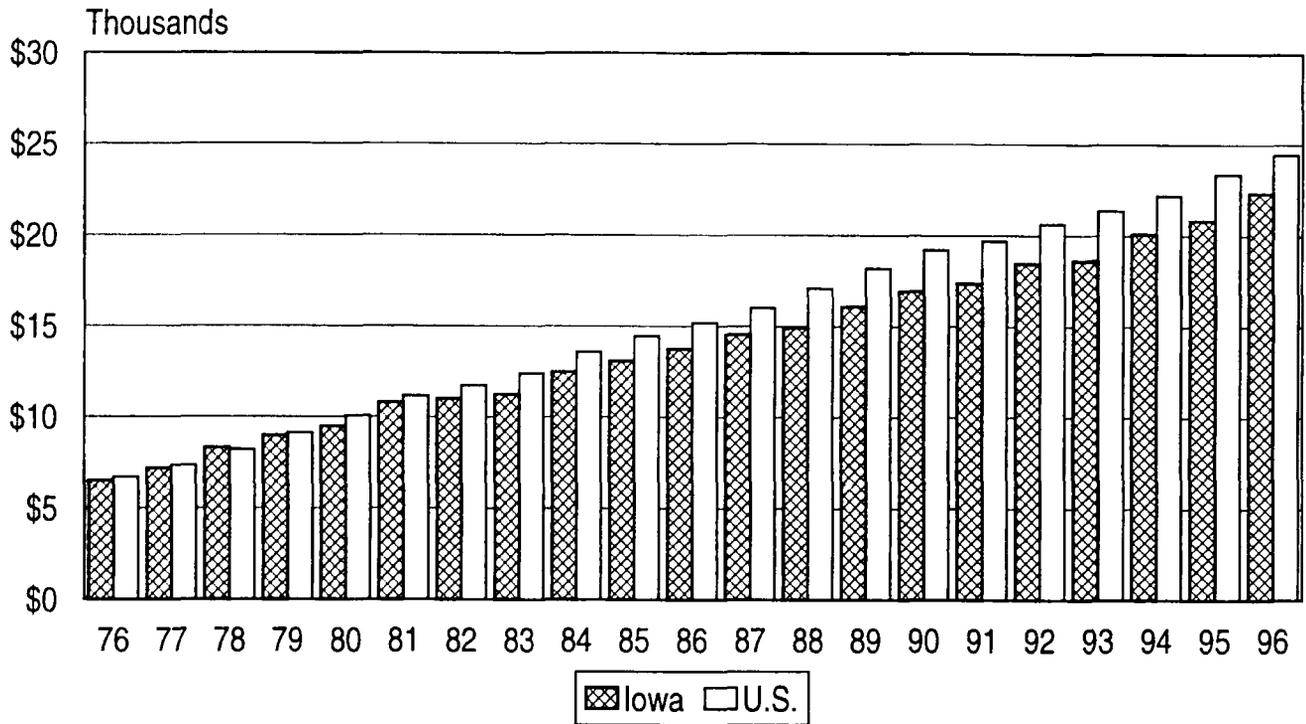
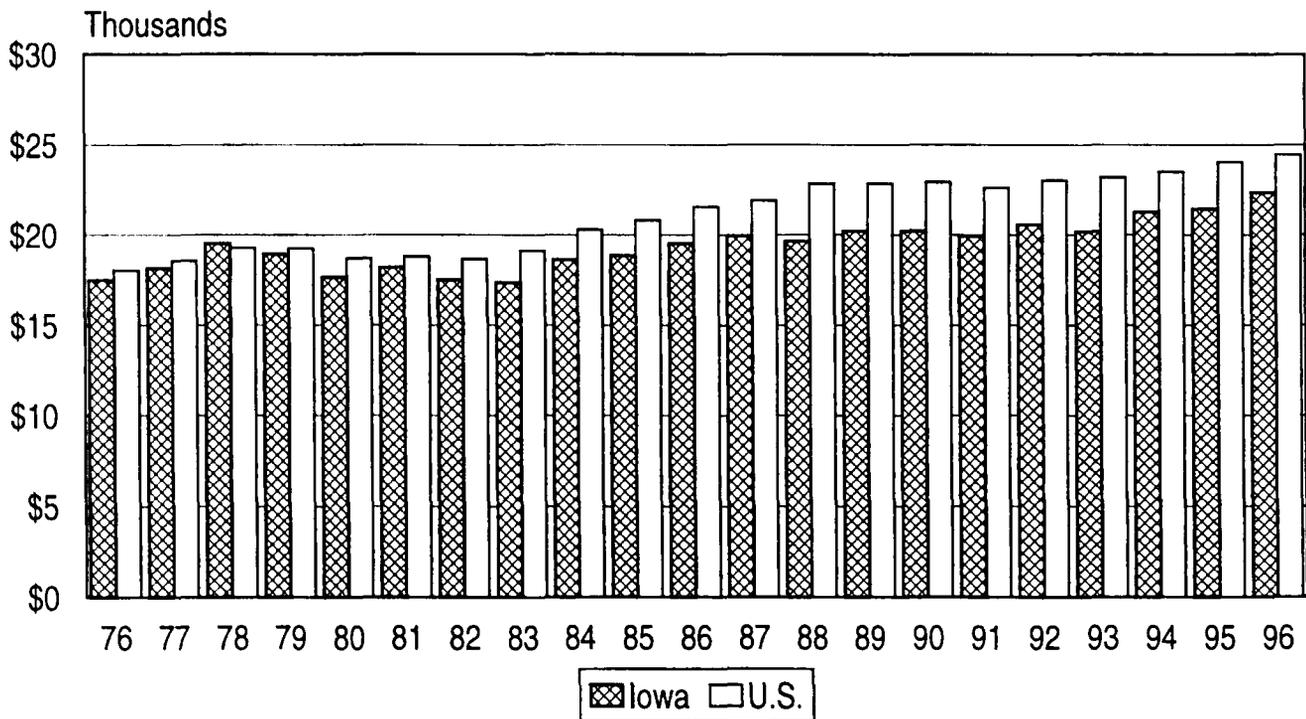


Figure 3. Adjusted per capita income (in 1996 dollars) in Iowa and the United States, 1976-1996.



Personal Income in Iowa's Counties:

1986-1996

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Information related to selected categories of income is estimated annually by the Bureau of Economic Analysis of the U.S. Department of Commerce. Four categories are included in this report. Nonfarm earnings include any income from wages, salaries, and self-employment received from other than farming activities. The second category consists of farm earnings, which refer to wages, salaries, and self-employment earnings received in farming activities. Dividends, interest, and rent constitute the third category. The fourth category includes transfer payments, with Social Security and public assistance benefits the two primary components; also included is the imputed value of non-monetary income or benefits such as Medicare, public housing subsidies, and other "in-kind" resources. The sum of the four categories represents total personal income in Iowa and its counties. Because of the inclusion of the value of non-monetary benefits, the income figures from the Bureau of Economic Analysis will generally be higher than figures produced by the U.S. Bureau of the Census which do not include such "in-kind" benefits. In this report, both initial income figures and data adjusted for inflation (using 1996 dollar values) are presented. The adjusted figures indicate whether income trends were keeping pace with the rising prices of goods and services.

Total Personal Income

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

Personal income totaled \$63.6 billion in 1996, up \$4.4 billion from 1995 and \$25.2 billion from 1986 (Table 1). In 1996, income ranged from \$85.7 million in Ringgold to \$9.7 billion in Polk. Ringgold is one of Iowa's least populous counties, while Polk has the highest number of residents; in general, total income tends to follow the ranking on total population. Income increased by 65.7 percent from 1986 to 1996 in Iowa; gains occurred in all counties. Four (Adams, Ringgold, Taylor, Wayne) increased by less than \$25 million; five others (Black Hawk, Johnson, Linn, Polk, Scott) each gained more than \$1 billion from 1986 to 1996.

When inflation is taken into account, however, increases in total personal income show a somewhat different pattern (Table 2). Adjusted income increased between 1986 and 1996 but not annually. Instead, 7 of the 10 year-to-year comparisons produced gains; the total increase for the period was \$9.1 billion or 16.7 percent. County patterns also differed; fifteen counties had lower total personal income in 1996 than in 1986 after inflation was included in the calculations. Gains in adjusted income in the remaining 84 counties were greatest in Polk (+\$2.5 billion), Linn (+\$986 million), and Johnson (+\$618 million); eleven others increased by at least \$100 million from 1986 to 1996 when the adjusted figures were used.

Nonfarm Earnings

Of the four categories summed to yield total personal income, nonfarm earnings constituted by far the largest share (\$38.9 billion or 61.2% of the total in 1996) (Table 3). Statewide, nonfarm earnings

Table 1. Total Personal Income (in \$1,000) in Iowa's Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	158726	135587	147837	128076	137845	125941	128306	123844	109034	111086	111506
Adams	87456	69423	79474	67595	73008	69305	68585	67719	59408	66596	64039
Allamakee	249154	228039	228095	214732	214881	197702	200950	189753	170456	176712	166068
Appanoose	226719	210601	212433	197894	194394	183393	175245	166616	156826	156318	152293
Audubon	143108	125385	125747	109927	121375	116741	110408	110663	97675	104469	95714
Benton	514135	462758	436366	389859	384001	356913	350187	337743	302103	310656	301653
Black Hawk	2623684	2522273	2401185	2265043	2196090	2062664	2007490	1899449	1766328	1678996	1591398
Boone	585826	543716	526041	479480	477341	447977	429537	417421	381065	379118	357104
Bremer	495377	461971	446781	417309	409107	372705	364451	333724	304304	301687	290652
Buchanan	406500	369440	367163	329826	334881	317667	309904	290225	261170	267916	241187
Buena Vista	429606	392091	374469	337009	345628	328072	318561	312160	288041	280103	279135
Butler	316351	283644	272306	248238	265056	245132	240127	214974	203279	211735	202273
Calhoun	248741	223558	220600	179519	198082	168723	169984	174446	165833	163349	160793
Carroll	481978	438069	425547	389262	404465	364823	347893	346786	331520	327557	308301
Cass	294449	270560	274804	253199	257158	238211	234942	233800	209702	213517	210849
Cedar	382424	342630	340724	312281	313048	294637	296389	280022	254000	255493	237363
Cerro Gordo	1035781	973083	921111	852586	849426	812340	796120	735703	712726	695346	661717
Cherokee	282020	256021	257461	219835	238172	232539	228656	215720	208932	201813	193885
Chickasaw	262211	244185	234726	207324	216589	201749	197855	188597	175995	189761	176865
Clarke	126707	114508	121762	112059	116957	112556	112411	109072	98451	100149	94326
Clay	400504	362601	351926	299590	309935	288101	293161	283826	268080	254642	245210
Clayton	362875	325270	313349	294048	300092	279740	284766	267078	236183	249216	236283
Clinton	1066061	991291	955887	899426	899546	841142	819092	781989	724561	707173	676330
Crawford	335915	309075	307428	275105	279278	255821	247414	233011	225409	225760	218119
Dallas	831654	756191	707598	644974	615284	560837	535348	510860	466867	447678	421677
Davis	149619	131998	134667	127835	125443	114098	112973	100188	92168	94085	91553
Decatur	117229	105207	113247	103782	105542	100736	99596	98743	85546	91437	89012
Delaware	351730	303409	302104	277409	280510	269198	276447	261271	229532	247736	227849
Des Moines	923576	876219	850153	805434	784476	745507	730315	683658	648149	629739	604271
Dickinson	395968	361377	343602	309222	305528	282013	275687	262278	238685	226708	212960
Dubuque	1951736	1865735	1769724	1658326	1594070	1482776	1432997	1362139	1276344	1247111	1154327
Emmet	227313	210350	207012	178252	193115	175050	175456	166230	155467	155787	152192
Fayette	403259	368833	361368	317062	328307	312625	312744	295776	263183	279204	263499
Floyd	344241	317373	302409	279976	290337	276259	276515	246865	237832	240949	229823
Franklin	239406	209585	202845	166835	193396	169326	176655	169798	160278	169192	169362
Fremont	161761	132189	138234	111281	129529	118471	114218	114540	115978	113077	120362
Greene	227278	206166	195085	165307	184675	162503	154361	159849	143879	154623	151361
Grundy	278483	268599	247767	224384	240601	215893	208942	190407	182512	190091	181596
Guthrie	232374	204511	200424	180107	187450	177095	172708	167452	147671	153075	143287
Hamilton	384173	346555	331559	278323	297463	281986	270229	278701	235774	250094	246534
Hancock	246582	218901	215921	178880	197396	176142	191126	178842	173499	171062	176849
Hardin	420412	387723	365685	326791	341741	318335	315118	290176	269896	287721	287020
Harrison	294974	252633	250022	224704	233180	208488	201403	191590	183193	183738	183875
Henry	410195	377453	369689	342146	335256	315517	309601	281910	265238	256022	245921
Howard	201279	181342	176533	147567	155126	145934	145529	137249	119896	132142	129677
Humboldt	245341	219034	207092	177943	191387	166897	171517	176113	155156	155567	150667
Ida	165779	147903	146402	129124	138837	127303	129214	125332	120732	118173	113108
Iowa	345409	311315	316377	292278	294148	262840	248402	233394	211489	219518	200885
Jackson	360988	334325	334201	320922	306440	286870	286591	272546	255015	261739	242331
Jasper	809699	750650	725390	660296	652992	620708	606251	573961	539692	535188	505594

Table 1. Total Personal Income (in \$1,000) in Iowa's Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	345069	308568	302318	273305	274899	256437	255170	238978	221603	219864	210115
Johnson	2406355	2277753	2199776	2045265	1913417	1789057	1707103	1597375	1428810	1333531	1259532
Jones	347222	314291	309065	289133	289292	270945	273627	259894	229144	233849	219709
Keokuk	219941	190225	196981	178202	184749	177679	175957	172396	152535	173612	160653
Kossuth	366208	328354	333681	269086	304192	263197	289671	290893	275468	275475	277467
Lee	781329	738260	719682	667718	658786	632040	606841	578043	546572	533618	531442
Linn	4592319	4353773	4105487	3838416	3632043	3445807	3316370	3143732	2871100	2707300	2540441
Louisa	214209	201655	201963	183776	187095	175507	178769	167664	153957	155714	149340
Lucas	156179	143712	155060	142162	144798	138590	134738	131127	125893	123814	120453
Lyon	239103	204998	204948	175734	186165	179379	174143	171513	151363	155618	150254
Madison	275300	246547	242370	214980	212445	198650	193441	184741	166893	167006	160260
Mahaska	425212	392382	387478	358626	354303	336307	333941	312944	290433	298468	286511
Marion	675966	627214	607257	556521	540220	508726	497715	467833	442267	439469	410936
Marshall	847024	824047	787897	731045	726645	700755	676357	650121	584740	582289	561629
Mills	320781	286503	286042	255888	264383	249534	239873	225622	220457	211055	198013
Mitchell	252571	229412	220832	191857	204338	190982	195315	180517	160587	174962	166393
Monona	196528	167553	176042	155813	163959	140058	141253	141898	131488	127576	131895
Monroe	150826	138931	141335	132621	132987	125704	122043	113335	105111	106067	98288
Montgomery	259806	227736	230768	211154	215149	206377	198060	192604	173194	168912	166991
Muscatine	995154	930135	897587	846785	802797	740620	714625	669826	633166	607724	586303
O'Brien	332307	299798	288094	251594	269197	259689	255809	245051	241116	231254	224523
Osceola	150555	134510	129129	103489	115554	115310	110619	104025	99346	95622	92942
Page	356876	316720	315180	286925	294665	278113	271702	260033	231743	232659	238525
Palo Alto	216352	186413	184695	151743	174802	148956	163430	155709	149180	152629	149950
Plymouth	511658	467637	448625	423908	422670	397863	376963	364626	318449	336173	307136
Pocahontas	192455	169645	170713	136663	161945	140725	142207	148984	137362	136826	146924
Polk	9679756	9139620	8565599	8087598	7706343	7201956	6832808	6346452	5879173	5413110	5092661
Pottawattamie	1721085	1601015	1524113	1423478	1404717	1321406	1262815	1200181	1166900	1142337	1103868
Poweshiek	406564	382523	375002	341669	341875	324713	318773	303823	277949	278175	260984
Ringgold	85707	71980	84779	72120	76970	72253	70612	71995	62382	67922	66142
Sac	244303	210482	208893	181450	193515	184438	183224	181709	172446	170381	175868
Scott	3599002	3424506	3240707	3122167	3006682	2860732	2761757	2571647	2414242	2317142	2201154
Shelby	270317	239640	235860	211982	222501	213516	209128	196874	182416	184396	172867
Sioux	636033	574637	546594	506679	509138	475019	454317	434271	393949	394109	375726
Story	1656309	1560966	1454692	1360211	1317079	1240289	1172537	1112692	1022537	987973	940633
Tama	353789	337173	326155	290452	289862	277623	276987	261700	249565	254473	242199
Taylor	111915	93062	101853	88766	95984	91331	86958	84018	77327	86583	87248
Union	232906	212628	213845	198353	197357	188880	186070	176043	165436	163268	159281
Van Buren	135318	114083	119728	107781	111544	104195	101934	94818	86012	88517	84481
Wapello	686042	650215	629182	588729	582067	562097	540810	511510	473127	460247	447953
Warren	828019	773266	743251	684503	659821	612323	580713	544668	508760	480145	451561
Washington	437809	401867	381086	351652	353725	335557	325916	308814	277983	287822	275771
Wayne	110514	96605	106565	92977	94401	92343	92111	90665	83002	91742	90517
Webster	877182	829878	783378	706876	710061	668237	628134	614194	561639	552157	549521
Winnebago	267296	246547	244930	213933	215267	197183	207205	202886	203624	192552	185929
Winneshiek	416807	383222	378212	349043	348155	324754	321711	299644	263689	271591	252581
Woodbury	2296871	2161657	2019946	1921143	1871523	1694050	1624918	1552730	1472826	1418901	1328322
Worth	164102	153789	146694	120361	131431	122844	131461	120321	114549	115494	111881
Wright	315115	290288	270036	227861	247268	219998	225355	236300	213594	211313	211492
State of Iowa	63596832	59157776	56802437	52430575	51757365	48440745	47004373	44531648	41249856	40252060	38383920

Table 2. Adjusted Total Personal Income (1996 dollars in \$1,000) in Iowa's Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	158726	139538	156459	138974	153790	144585	153240	155687	143678	152238	158294
Adams	87456	71446	84109	73346	81453	79565	81913	85131	78284	91266	90910
Allamakee	249154	234684	241398	233003	239737	226969	240000	238542	224616	242175	235751
Appanoose	226719	216738	224822	214732	216880	210542	209300	209456	206656	214226	216196
Audubon	143108	129039	133081	119280	135415	134023	131863	139117	128710	143169	135876
Benton	514135	476243	461816	423031	428420	409749	418238	424583	398093	425738	428228
Black Hawk	2623684	2595776	2541226	2457767	2450121	2368015	2397603	2387834	2327558	2300976	2259155
Boone	585826	559561	556721	520277	532557	514294	513008	524748	502144	519561	506946
Bremer	495377	475434	472838	452816	456430	427879	435274	419531	400993	413446	412611
Buchanan	406500	380206	388577	357890	373618	364693	370127	364847	344154	367165	342390
Buena Vista	429606	403517	396309	365684	385608	376639	380467	392422	379563	383867	396261
Butler	316351	291910	288187	269360	295716	281421	286791	270248	267869	290172	287148
Calhoun	248741	230073	233466	194794	220995	193700	203017	219299	218524	223861	228262
Carroll	481978	450835	450366	422383	451251	418830	415499	435951	436857	448900	437665
Cass	294449	278445	290831	274743	286905	273475	280598	293915	276332	292614	299322
Cedar	382424	352615	360596	338852	349260	338254	353986	352021	334706	350140	336962
Cerro Gordo	1035781	1001440	974832	925129	947683	932596	950829	924867	939186	952935	939376
Cherokee	282020	263482	272477	238540	265722	266963	273090	271186	275318	276574	275240
Chickasaw	262211	251301	248416	224964	241643	231615	236304	237089	231915	260058	251078
Clarke	126707	117845	128863	121594	130486	129218	134256	137117	129733	137249	133906
Clay	400504	373168	372451	325081	345787	330751	350131	356803	353259	348974	348101
Clayton	362875	334749	331624	319067	334805	321152	340104	335749	311227	341538	335428
Clinton	1066061	1020179	1011636	975955	1003600	965662	978265	983054	954782	969144	960121
Crawford	335915	318082	325358	298513	311583	293692	295494	292923	297030	309392	309643
Dallas	831654	778228	748866	699852	686457	643862	639382	642212	615208	613519	598614
Davis	149619	135845	142521	138712	139954	130989	134927	125948	121453	128939	129969
Decatur	117229	108273	119852	112612	117751	115649	118950	124132	112727	125310	126362
Delaware	351730	312251	319723	301013	312958	309049	330169	328449	302463	339509	323455
Des Moines	923576	901753	899735	873965	875220	855870	872236	859440	854091	863024	857826
Dickinson	395968	371908	363641	335533	340870	323761	329261	329715	314524	310691	302319
Dubuque	1951736	1920105	1872938	1799427	1778463	1702282	1711470	1712371	1681887	1709100	1638687
Emmet	227313	216480	219085	193419	215453	200964	209552	208971	204865	213498	216052
Fayette	403259	379581	382444	344040	366284	358905	373519	371826	346806	382634	374064
Floyd	344241	326622	320046	303798	323922	317156	330250	310339	313400	330208	326258
Franklin	239406	215693	214675	181030	215767	194393	210984	213456	211204	231869	240427
Fremont	161761	136041	146296	120749	144512	136009	136414	143990	152829	154966	170866
Greene	227278	212174	206463	179372	206037	186559	184358	200949	189595	211903	214873
Grundy	278483	276426	262217	243476	268432	247853	249545	239364	240503	260510	257794
Guthrie	232374	210471	212113	195432	209133	203312	206270	210507	194592	209781	203411
Hamilton	384173	356654	350896	302004	331872	323730	322742	350360	310688	342741	349981
Hancock	246582	225280	228514	194100	220230	202218	228267	224826	228626	234432	251056
Hardin	420412	399022	387012	354596	381272	365460	376355	364786	355652	394307	407455
Harrison	294974	259995	264604	243823	260153	239352	240541	240852	241400	251803	261030
Henry	410195	388453	391250	371258	374037	362225	369765	354395	349514	350865	349110
Howard	201279	186627	186829	160123	173070	167538	173809	172538	157992	181094	184090
Humboldt	245341	225417	219170	193084	213526	191604	204848	221395	204455	213196	213888
Ida	165779	152213	154940	140111	154897	146149	154324	157557	159093	161950	160569
Iowa	345409	320387	334829	317147	328173	301750	296674	293404	278687	300838	285177
Jackson	360988	344068	353692	348228	341887	329337	342284	342623	336043	358700	344014
Jasper	809699	772525	767696	716478	728526	712596	724063	721538	711173	733447	717743

Table 2. Adjusted Total Personal Income (1996 dollars in \$1,000) in Iowa's Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	345069	317560	319950	296560	306698	294399	304757	300424	292015	301312	298280
Johnson	2406355	2344130	2328071	2219289	2134750	2053904	2038842	2008091	1882798	1827535	1788037
Jones	347222	323450	327090	313734	322756	311055	326801	326718	301952	320478	311900
Keokuk	219941	195768	208469	193365	206120	203982	210151	216722	201001	237926	228064
Kossuth	366208	337923	353142	291982	339379	302160	345962	365687	362995	377524	393893
Lee	781329	759774	761655	724532	734991	725605	724768	726669	720239	731296	754437
Linn	4592319	4480648	4344926	4165012	4052177	3955914	3960836	3952046	3783358	3710213	3606421
Louisa	214209	207532	213742	199413	208737	201489	213509	210774	202875	213398	212004
Lucas	156179	147900	164103	154258	161547	159106	160921	164842	165894	169681	170996
Lyon	239103	210972	216901	190687	207700	205934	207984	215612	199457	213266	213301
Madison	275300	253732	256505	233272	237019	228058	231032	232241	219921	228873	227506
Mahaska	425212	403817	410076	389140	395287	386093	398835	393408	382715	409035	406732
Marion	675966	645492	642673	603873	602710	584036	594435	588122	582792	602269	583366
Marshall	847024	848061	833849	793247	810699	804493	807793	817280	770534	797997	797291
Mills	320781	294852	302724	277661	294965	286474	286487	283634	290505	289240	281100
Mitchell	252571	236097	233711	208181	227975	219254	233270	226931	211612	239776	236212
Monona	196528	172436	186309	169071	182925	160792	168703	178383	173267	174836	187239
Monroe	150826	142980	149578	143905	148370	144313	145759	142476	138509	145359	139530
Montgomery	259806	234373	244227	229120	240036	236928	236549	242126	228224	231485	237061
Muscatine	995154	957240	949936	918835	895660	850259	853497	842051	834347	832854	832318
O'Brien	332307	308535	304896	273001	300336	298133	305520	308058	317728	316922	318734
Osceola	150555	138430	136660	112294	128921	132380	132115	130772	130912	131045	131941
Page	356876	325950	333562	311338	328750	319284	324502	326893	305377	318847	338611
Palo Alto	216352	191845	195467	164654	195022	171007	195189	195745	196580	209170	212870
Plymouth	511658	481265	474790	459977	471562	456761	450218	458378	419632	460708	436012
Pocahontas	192455	174589	180669	148291	180678	161558	169842	187291	181007	187513	208574
Polk	9679756	9405962	9065160	8775742	8597769	8268112	8160620	7978248	7747211	7418384	7229563
Pottawattamie	1721085	1647671	1613002	1544596	1567207	1517023	1508216	1508771	1537669	1565513	1567056
Poweshiek	406564	393670	396873	370740	381421	372783	380720	381942	366264	381224	370494
Ringgold	85707	74078	89723	78256	85873	82949	84334	90506	82203	93084	93895
Sac	244303	216616	221076	196889	215900	211742	218830	228430	227239	233498	249663
Scott	3599002	3524301	3429711	3387821	3354478	3284226	3298446	3232867	3181339	3175522	3124767
Shelby	270317	246623	249616	230019	248239	245124	249768	247494	240377	252705	245403
Sioux	636033	591383	578472	549790	568032	545339	542604	545930	519122	540106	533382
Story	1656309	1606455	1539532	1475946	1469431	1423898	1400395	1398787	1347436	1353965	1335327
Tama	353789	346999	345177	315165	323392	318721	330814	328988	328861	348742	343827
Taylor	111915	95774	107793	96319	107087	104851	103856	105621	101897	118657	123858
Union	232906	218824	226317	215230	220186	216841	222229	221307	218001	223750	226116
Van Buren	135318	117408	126711	116952	124447	119620	121743	119198	113341	121308	119930
Wapello	686042	669163	665877	638822	649397	645308	645905	643029	623458	630744	635916
Warren	828019	795800	786599	742745	736145	702969	693562	684713	670413	658014	641038
Washington	437809	413578	403312	381573	394642	385232	389251	388216	366309	394445	391486
Wayne	110514	99420	112780	100888	105321	106013	110011	113977	109375	125728	128498
Webster	877182	854062	829066	767021	792197	767161	750199	772115	740093	756702	780102
Winnebago	267296	253732	259215	232136	240168	226373	247471	255052	268323	263882	263946
Winneshiek	416807	394390	400270	378742	388428	372830	384229	376688	347473	372201	358565
Woodbury	2296871	2224651	2137753	2084606	2088010	1944832	1940686	1951967	1940799	1944530	1885691
Worth	164102	158271	155249	130602	146634	141029	157008	151258	150946	158278	158827
Wright	315115	298747	285785	247249	275871	252566	269148	297057	281461	289593	300235
State of Iowa	63596832	60881719	60115258	56891697	57744365	55611768	56138678	55981598	54356512	55163346	54489974

Table 3. Nonfarm Earnings (in \$1,000) in Iowa's Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	77135	74261	69604	67130	64416	59635	58473	53369	52014	47404	43307
Adams	38994	38236	36895	34137	32570	30885	29434	29348	28516	26960	26092
Allamakee	127462	122253	117999	111089	105614	96911	92064	89814	87194	84362	79053
Appanoose	117229	113270	112911	108163	103616	98000	89025	83719	80120	76214	73859
Audubon	57986	56668	54568	51045	50229	47168	43333	41926	41985	38037	38022
Benton	304777	286155	265144	240776	225866	211844	201499	193120	182034	168280	158936
Black Hawk	1669760	1626796	1557506	1474996	1423788	1323559	1282776	1223925	1151150	1058411	960951
Boone	324445	302510	287300	269418	258037	242910	232639	222333	210363	196940	187564
Bremer	293644	282699	271927	256846	243819	223405	212229	196652	184183	169333	158710
Buchanan	223217	216434	206668	190735	181635	171178	163957	155811	148924	134577	123009
Buena Vista	206440	200929	191327	182565	174302	165838	155508	154390	144638	135524	131552
Butler	148618	143985	138097	133973	129766	120758	114512	109987	102750	97700	89641
Calhoun	95350	92652	88612	87162	82426	78321	73550	72656	67579	62143	59382
Carroll	244123	227215	218229	212716	197264	180137	168278	162666	159536	151262	148348
Cass	140490	137156	131949	128568	119909	110428	108696	108409	104482	97047	97891
Cedar	209444	199545	191924	183109	176036	167187	162291	151232	143622	133530	127697
Cerro Gordo	610020	584089	553132	521037	504886	484302	462312	444264	432191	403358	378156
Cherokee	132129	126922	122187	118360	113205	109188	104919	97246	94933	90553	89503
Chickasaw	140773	135968	128605	120818	115563	108298	102234	102217	99680	96846	90603
Clarke	75676	70477	68305	64948	65765	64012	62787	62487	55925	52081	48979
Clay	222086	208752	197497	186424	174388	164002	161022	154911	148025	134703	124421
Clayton	172773	165889	147727	141722	137278	126148	121552	115825	111578	103046	98714
Clinton	649544	613893	588452	561328	552907	517522	491154	471027	447163	418129	399277
Crawford	164683	160992	149026	143309	136498	126463	119811	117383	119570	116784	111303
Dallas	554599	514525	478568	438583	410762	372581	352675	329597	317870	288602	265737
Davis	77829	75270	71420	67703	64088	60377	58165	54829	51337	47216	44784
Decatur	58805	56513	56289	53083	50899	49953	50134	50853	45586	46482	43676
Delaware	180353	172695	164502	155388	147166	140666	135561	127207	115264	106337	99671
Des Moines	578796	559066	541413	512513	497433	474714	458650	433937	412650	398754	368421
Dickinson	213527	199754	185875	176811	163523	146929	141174	129384	117048	106472	97695
Dubuque	1214039	1195583	1141299	1049725	1002124	918653	876623	836064	800029	768760	685996
Emmet	111554	107143	102900	101931	97028	91516	86135	79603	77563	72535	67353
Fayette	194738	189389	180493	164097	156404	146799	142408	137877	133012	126061	122025
Floyd	159875	151462	144151	144989	141830	136112	132157	127360	120839	113625	105184
Franklin	104681	100871	96387	90385	86239	80537	77873	74141	71057	66379	64547
Fremont	67158	65638	63440	59551	56530	53196	52192	51493	51937	50722	48471
Greene	87967	83228	78941	76334	73668	67427	63191	61889	60796	58949	55728
Grundy	142176	138734	134091	126245	122037	112414	106298	98889	92093	87962	82001
Guthrie	114829	109875	102876	98749	93827	89350	85243	79139	73924	68570	65015
Hamilton	195485	184662	179976	164399	157317	154700	146050	142973	136952	125589	120283
Hancock	112860	110127	106717	98350	92248	87753	87642	86359	83968	76428	71955
Hardin	195324	188004	180126	171118	163543	154520	151643	137769	134114	131548	129894
Harrison	155178	145434	136926	128009	122431	113546	109171	102615	97044	92413	89377
Henry	252332	242571	231635	216012	208558	193609	186295	173238	162066	149982	139960
Howard	94542	89933	86762	76377	71199	66009	61661	58019	55912	54483	52582
Humboldt	110860	103768	99473	92526	87258	81693	78164	75743	71910	67505	63614
Ida	82050	76745	74557	70962	67534	62935	60184	56639	55864	50473	47657
Iowa	208455	195439	189640	177799	168685	154142	139654	131641	122722	113918	106453
Jackson	199747	192760	190065	179773	172487	162103	156315	146293	140873	133890	125974
Jasper	499533	467771	447823	409778	392042	378066	367748	351059	334765	313283	290916

Table 3. Nonfarm Earnings (in \$1,000) in Iowa's Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	206415	188657	176369	165620	163647	152709	147064	140602	138648	128395	118229
Johnson	1746790	1675343	1598800	1482611	1402952	1315708	1243235	1169550	1063546	972448	904544
Jones	189560	182278	175232	165572	160895	151035	143646	135212	127043	116861	109626
Keokuk	95795	89506	85828	81328	79775	76708	73471	71328	68297	67152	66660
Kossuth	164520	155323	149753	145357	142516	132910	130905	129263	120130	113321	109512
Lee	466346	455539	434246	403326	393798	374347	366930	351326	333317	319670	313453
Linn	3222997	3080290	2902133	2702108	2544882	2398999	2303949	2184556	2026226	1883011	1734277
Louisa	134836	132659	126141	120044	115640	112200	108800	103524	94175	90067	82871
Lucas	81838	77161	85358	81562	81337	78797	74405	73018	69732	66709	64156
Lyon	101636	96711	93177	89074	82953	76281	71715	69774	66124	62018	58468
Madison	175946	165536	156260	143648	133026	123699	118951	110268	105434	97255	89032
Mahaska	238348	227157	216862	203743	196045	181260	179260	165865	159929	150348	143058
Marion	422370	395286	374953	348303	332322	311208	302833	288192	274189	262195	239089
Marshall	503838	504272	488929	452366	441416	429559	408514	388016	362052	343809	328612
Mills	180043	167304	156070	144681	138402	131518	126217	120266	114886	107282	101539
Mitchell	112813	107888	101830	98610	93340	86530	84501	77772	73004	71495	67129
Monona	89596	87234	82628	77859	71196	66930	61720	60612	56081	52727	51904
Monroe	88356	85147	82077	79279	76629	72628	69923	63687	60821	59954	54017
Montgomery	130145	124717	119381	112829	107184	104105	100353	95347	88697	82431	77529
Muscatine	604178	574102	548646	531137	503424	467361	448430	428087	405550	385082	366312
O'Brien	147421	141252	135691	129759	123356	115952	110606	104442	103492	95830	90781
Osceola	61744	58532	55570	52847	50286	47830	44905	40843	39376	37130	36325
Page	185789	179815	170059	156360	149998	137868	133970	127591	117277	108287	110085
Palo Alto	91787	85017	80041	78108	73270	68154	65311	65463	62771	60811	57806
Plymouth	273301	263752	253764	242327	225031	209784	193252	179878	163730	161647	143913
Pocahontas	76264	73572	70910	68939	67575	65088	63903	62066	57809	54405	52358
Polk	6921462	6551655	6161578	5825581	5549320	5119185	4863248	4520655	4211007	3841359	3557485
Pottawattamie	1121338	1051394	989509	934439	903557	860435	831442	803272	782683	752141	715663
Poweshiek	239063	231629	222066	209741	201441	193675	186714	177008	169556	156406	144558
Ringgold	40448	38395	37042	34980	33691	31583	30635	29875	27543	25984	26488
Sac	94650	91047	87154	81278	78343	74486	69913	67279	63586	60619	60214
Scott	2401042	2297761	2182496	2081540	2045023	1939494	1863059	1750743	1655137	1588965	1481053
Shelby	122613	115128	107899	105734	102539	98654	93059	85836	84455	77864	76244
Sioux	329386	312804	297961	280515	258804	239391	227396	209491	195387	178890	171518
Story	1106344	1050518	999714	946737	899449	852686	810662	762469	704182	656609	617881
Tama	189082	188406	178779	165080	151844	147706	143243	137651	132379	124606	116598
Taylor	48679	47128	44044	41976	40041	38446	36044	33474	33228	31481	31652
Union	127316	123229	117354	113392	109258	100987	98730	94864	90149	84390	81954
Van Buren	69212	64619	62076	57703	56521	52367	51302	48092	44025	42386	40108
Wapello	405895	395786	380921	357644	346484	335480	325915	307676	285095	269183	254630
Warren	609878	573645	539766	508882	482193	448030	423464	396777	373193	342180	320630
Washington	232976	221581	211796	196599	192360	180850	170651	161680	151441	138309	130699
Wayne	48079	46968	46679	44114	42886	41561	41410	39442	37691	37111	36480
Webster	474823	458226	437207	407200	389077	368385	350713	332446	314582	295410	286243
Winnebago	150370	142861	140166	129235	115648	108563	107613	109575	111703	98628	93308
Winneshiek	236643	228898	215396	203278	195220	181913	168587	156923	146889	137249	127119
Woodbury	1525597	1453024	1343905	1257725	1196521	1087826	1056951	1009255	952890	896370	826202
Worth	73446	70631	67937	64070	61206	57986	58164	55611	55303	50928	48210
Wright	142431	136567	129470	117388	111524	106915	102439	102910	97787	91678	90298
State of Iowa	38917535	37170656	35283559	33213792	31750488	29734171	28465184	26948879	25407577	23739248	22206459

Table 4. Adjusted Nonfarm Earnings (1996 dollars in \$1,000) and Percentage of Total Personal Income from Nonfarm Earnings in Iowa's Counties, 1986, 1991, 1995, and 1996.

County	Adjusted Nonfarm Earnings (1996 \$s in \$1,000)				% of Total Personal Income from Nonfarm Earnings			
	1996	1995	1991	1986	1996	1995	1991	1986
Adair	77135	76425	68463	61479	48.6	54.8	47.4	38.8
Adams	38994	39350	35457	37040	44.6	55.1	44.6	40.7
Allamakee	127462	125816	111257	112224	51.2	53.6	49.0	47.6
Appanoose	117229	116571	112508	104851	51.7	53.8	53.4	48.5
Audubon	57986	58319	54151	53976	40.5	45.2	40.4	39.7
Benton	304777	294494	243205	225626	59.3	61.8	59.4	52.7
Black Hawk	1669760	1674203	1519495	1364170	63.6	64.5	64.2	60.4
Boone	324445	311326	278870	266267	55.4	55.6	54.2	52.5
Bremer	293644	290937	256477	225305	59.3	61.2	59.9	54.6
Buchanan	223217	222741	196519	174624	54.9	58.6	53.9	51.0
Buena Vista	206440	206784	190388	186752	48.1	51.2	50.5	47.1
Butler	148618	148181	138635	127255	47.0	50.8	49.3	44.3
Calhoun	95350	95352	89915	84299	38.3	41.4	46.4	36.9
Carroll	244123	233836	206804	210595	50.7	51.9	49.4	48.1
Cass	140490	141153	126775	138966	47.7	50.7	46.4	46.4
Cedar	209444	205360	191937	181279	54.8	58.2	56.7	53.8
Cerro Gordo	610020	601110	555997	536832	58.9	60.0	59.6	57.1
Cherokee	132129	130621	125352	127059	46.9	49.6	47.0	46.2
Chickasaw	140773	139930	124330	128620	53.7	55.7	53.7	51.2
Clarke	75676	72531	73488	69531	59.7	61.5	56.9	51.9
Clay	222086	214835	188280	176629	55.5	57.6	56.9	50.7
Clayton	172773	170723	144823	140135	47.6	51.0	45.1	41.8
Clinton	649544	631783	594134	566815	60.9	61.9	61.5	59.0
Crawford	164683	165684	145184	158006	49.0	52.1	49.4	51.0
Dallas	554599	529519	427737	377241	66.7	68.0	66.4	63.0
Davis	77829	77463	69315	63576	52.0	57.0	52.9	48.9
Decatur	58805	58160	57348	62003	50.2	53.7	49.6	49.1
Delaware	180353	177728	161490	141493	51.3	56.9	52.3	43.7
Des Moines	578796	575358	544989	523012	62.7	63.8	63.7	61.0
Dickinson	213527	205575	168680	138688	53.9	55.3	52.1	45.9
Dubuque	1214039	1230424	1054648	973843	62.2	64.1	62.0	59.4
Emmet	111554	110265	105064	95615	49.1	50.9	52.3	44.3
Fayette	194738	194908	168531	173227	48.3	51.3	47.0	46.3
Floyd	159875	155876	156262	149320	46.4	47.7	49.3	45.8
Franklin	104681	103811	92459	91631	43.7	48.1	47.6	38.1
Fremont	67158	67551	61071	68810	41.5	49.7	44.9	40.3
Greene	87967	85653	77409	79112	38.7	40.4	41.5	36.8
Grundy	142176	142777	129055	116409	51.1	51.7	52.1	45.2
Guthrie	114829	113077	102577	92296	49.4	53.7	50.5	45.4
Hamilton	195485	190043	177601	170754	50.9	53.3	54.9	48.8
Hancock	112860	113336	100744	102148	45.8	50.3	49.8	40.7
Hardin	195324	193483	177395	184398	46.5	48.5	48.5	45.3
Harrison	155178	149672	130355	126880	52.6	57.6	54.5	48.6
Henry	252332	249640	222270	198688	61.5	64.3	61.4	56.9
Howard	94542	92554	75781	74646	47.0	49.6	45.2	40.5
Humboldt	110860	106792	93787	90307	45.2	47.4	48.9	42.2
Ida	82050	78981	72252	67654	49.5	51.9	49.4	42.1
Iowa	208455	201134	176961	151121	60.4	62.8	58.6	53.0
Jackson	199747	198377	186100	178833	55.3	57.7	56.5	52.0
Jasper	499533	481403	434034	412986	61.7	62.3	60.9	57.5

Table 4. Adjusted Nonfarm Earnings (1996 dollars in \$1,000) and Percentage of Total Personal Income from Nonfarm Earnings in Iowa's Counties, 1986, 1991, 1995, and 1996 (continued).

County	Adjusted Nonfarm Earnings (1996 \$s in \$1,000)				% of Total Personal Income from Nonfarm Earnings			
	1996	1995	1991	1986	1996	1995	1991	1986
Jefferson	206415	194155	175316	167838	59.8	61.1	59.6	56.3
Johnson	1746790	1724165	1510481	1284094	72.6	73.6	73.5	71.8
Jones	189560	187590	173394	155626	54.6	58.0	55.7	49.9
Keokuk	95795	92114	88064	94631	43.6	47.1	43.2	41.5
Kossuth	164520	159849	152586	155464	44.9	47.3	50.5	39.5
Lee	466346	468814	429764	444979	59.7	61.7	59.2	59.0
Linn	3222997	3170054	2754140	2461987	70.2	70.7	69.6	68.3
Louisa	134836	136525	128810	117644	62.9	65.8	63.9	55.5
Lucas	81838	79410	90462	91076	52.4	53.7	56.9	53.3
Lyon	101636	99529	87573	83001	42.5	47.2	42.5	38.9
Madison	175946	170360	142011	126390	63.9	67.1	62.3	55.6
Mahaska	238348	233777	208093	203086	56.1	57.9	53.9	49.9
Marion	422370	406805	357278	339412	62.5	63.0	61.2	58.2
Marshall	503838	518967	493150	466499	59.5	61.2	61.3	58.5
Mills	180043	172179	150988	144145	56.1	58.4	52.7	51.3
Mitchell	112813	111032	99340	95297	44.7	47.0	45.3	40.3
Monona	89596	89776	76838	73683	45.6	52.1	47.8	39.4
Monroe	88356	87628	83380	76683	58.6	61.3	57.8	55.0
Montgomery	130145	128351	119516	110060	50.1	54.8	50.4	46.4
Muscatine	604178	590832	536548	520018	60.7	61.7	63.1	62.5
O'Brien	147421	145368	133117	128873	44.4	47.1	44.7	40.4
Osceola	61744	60238	54911	51567	41.0	43.5	41.5	39.1
Page	185789	185055	158278	156277	52.1	56.8	49.6	46.2
Palo Alto	91787	87495	78243	82062	42.4	45.6	45.8	38.6
Plymouth	273301	271438	240840	204300	53.4	56.4	52.7	46.9
Pocahontas	76264	75716	74723	74328	39.6	43.4	46.3	35.6
Polk	6921462	6742580	5877014	5050221	71.5	71.7	71.1	69.9
Pottawattamie	1121338	1082033	987811	1015958	65.2	65.7	65.1	64.8
Poweshiek	239063	238379	222346	205215	58.8	60.6	59.6	55.4
Ringgold	40448	39514	36258	37602	47.2	53.3	43.7	40.0
Sac	94650	93700	85513	85480	38.7	43.3	40.4	34.2
Scott	2401042	2364721	2226611	2102509	66.7	67.1	67.8	67.3
Shelby	122613	118483	113258	108236	45.4	48.0	46.2	44.1
Sioux	329386	321920	274830	243488	51.8	54.4	50.4	45.6
Story	1106344	1081132	978915	877146	66.8	67.3	68.7	65.7
Tama	189082	193896	169572	165523	53.4	55.9	53.2	48.1
Taylor	48679	48501	44137	44933	43.5	50.6	42.1	36.3
Union	127316	126820	115937	116342	54.7	58.0	53.5	51.5
Van Buren	69212	66502	60119	56937	51.1	56.6	50.3	47.5
Wapello	405895	407320	385143	361474	59.2	60.9	59.7	56.8
Warren	609878	590362	514355	455168	73.7	74.2	73.2	71.0
Washington	232976	228038	207622	185541	53.2	55.1	53.9	47.4
Wayne	48079	48337	47714	51787	43.5	48.6	45.0	40.3
Webster	474823	471579	422920	406352	54.1	55.2	55.1	52.1
Winnebago	150370	147024	124634	132460	56.3	57.9	55.1	50.2
Winneshiek	236643	235568	208843	180459	56.8	59.7	56.0	50.3
Woodbury	1525597	1495367	1248865	1172880	66.4	67.2	64.2	62.2
Worth	73446	72689	66570	68439	44.8	45.9	47.2	43.1
Wright	142431	140547	122742	128187	45.2	47.0	48.6	42.7
State of Iowa	38917535	38253863	34135929	31524383	61.2	62.8	61.4	57.9

Table 5. Farm Earnings (in \$1,000) in Iowa's Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	12917	-4452	17026	158	14798	10086	11468	17280	6736	14710	17210
Adams	13786	-1834	11876	3262	11136	9024	10468	10889	3723	11565	9700
Allamakee	19345	8359	19735	12360	21129	17666	26430	23570	11338	20718	12942
Appanoose	1578	-3953	3808	-2249	2181	-699	3114	3569	764	4349	1704
Audubon	26455	12681	18809	7041	19972	18248	17315	20877	11554	22611	12777
Benton	51919	26578	29019	11451	27249	15913	25700	28781	7273	30730	29349
Black Hawk	38737	24727	27287	6929	27853	16341	24030	14791	7731	27752	24116
Boone	35329	26761	24139	3166	23794	13367	13070	23509	8206	25845	21670
Bremer	32410	18601	22564	5968	22763	13736	19683	10780	2315	14306	11196
Buchanan	37547	12676	24520	4891	26499	20544	27454	21573	7642	30400	15400
Buena Vista	62462	40224	40518	13821	35494	27380	32306	33695	30390	32014	32591
Butler	50577	26886	28303	10238	31756	24826	28452	13318	14184	26449	21652
Calhoun	42144	24763	33642	-4215	26049	8210	15329	26194	26965	28912	27334
Carroll	51451	34250	38890	13351	43809	29394	32005	44957	41694	47855	32196
Cass	14995	1563	17848	-944	19823	12373	14910	20323	8955	18260	11792
Cedar	32325	10643	20930	5744	17806	12500	24701	26379	12858	25090	12916
Cerro Gordo	38959	24686	28928	-2363	22879	14527	28527	11961	21194	29080	25142
Cherokee	38913	21921	35722	3952	29057	29562	30704	32394	32472	30300	23480
Chickasaw	27468	18396	22183	4298	21768	16712	20412	13706	6324	22217	13205
Clarke	-3829	-8265	4459	-2405	3044	1327	4161	4457	1642	6943	3504
Clay	41586	24057	32792	-3117	22758	14850	24682	26229	22877	25881	24775
Clayton	42229	18758	32493	22088	39553	35299	49220	42916	21755	43996	34147
Clinton	38763	20181	31461	11026	28696	15086	30128	32564	15242	29573	13441
Crawford	24512	7405	22725	-121	19907	14789	21310	22347	20044	22060	16657
Dallas	45326	22212	23994	8252	20334	14211	15923	24650	5662	17518	12252
Davis	6614	-5464	5232	676	6490	3059	6601	3195	1135	6555	5835
Decatur	5789	-1450	8815	3598	7938	5651	5547	6573	662	5899	5199
Delaware	48744	14993	27812	14672	30118	28453	43911	42974	28053	55033	41017
Des Moines	18489	9013	15203	5782	12093	6890	13996	9740	12019	11993	14286
Dickinson	23350	11247	16234	-5184	11108	9279	13763	18369	15888	18568	14887
Dubuque	43441	18303	28160	15605	30087	28490	37811	45122	24246	43414	34030
Emmet	27408	17973	24926	-5462	16754	7542	16359	18666	14805	17816	17035
Fayette	50370	29598	37679	15331	38719	34959	43774	37017	17038	39266	21834
Floyd	36591	23431	24859	6505	23937	18740	27659	8810	16222	27120	21862
Franklin	44600	23045	26505	-3298	26699	10996	23668	25868	24280	34817	35679
Fremont	31076	5348	16875	-4037	18250	11538	9815	12054	16601	13948	23636
Greene	45220	32841	30527	6296	30477	16626	16326	26606	15504	25753	22656
Grundy	37125	36021	28766	13408	31287	21521	21985	15064	17917	28312	23857
Guthrie	29845	10841	19201	3422	18058	13492	15262	21234	11133	20544	12315
Hamilton	56523	34300	34494	940	28109	18541	19095	37064	6455	28858	28441
Hancock	38630	17645	23704	-5037	21719	6440	21877	17914	19861	23621	31200
Hardin	55290	38416	37277	10640	35433	22096	26638	21179	9289	30999	29179
Harrison	35431	5884	18461	3507	20141	5489	7781	6283	8624	15169	17350
Henry	25941	10007	19008	8651	13948	9652	14752	6937	6860	11291	9940
Howard	28280	16652	19739	1898	13939	12937	19064	18629	5982	20022	17055
Humboldt	41786	27500	23252	-858	21708	5302	15618	27046	16388	20163	18309
Ida	22273	13075	17982	5861	19692	13006	18130	20698	17818	19766	16944
Iowa	24438	8358	24096	7862	21501	13660	19095	19269	5820	23702	10076
Jackson	8187	-2424	9410	-177	6136	1113	15289	15529	7806	21085	6700
Jasper	36821	25327	31154	13892	30720	22036	28264	27195	15452	35280	30957

Table 5. Farm Earnings (in \$1,000) in Iowa's Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	13469	1517	16300	5132	12511	9298	13246	11266	4709	12513	14159
Johnson	24529	5877	22334	6732	18492	14896	24227	22491	6334	21826	18504
Jones	30115	10191	20431	10569	19229	13319	20697	20199	4522	21817	11993
Keokuk	25224	7823	25114	11340	19819	17699	21352	23389	10593	30689	16914
Kossuth	58298	35366	52771	-4618	39953	8500	37074	47136	48858	54624	57778
Lee	20079	3445	15787	4312	14975	8154	11028	6002	7215	12357	14281
Linn	28716	6984	21245	4059	17837	7277	17841	22414	-932	14442	9998
Louisa	13081	5681	16304	3756	12745	4719	13484	9838	7882	12359	12869
Lucas	-1963	-6006	2012	-1984	2482	726	2708	2615	1547	4525	1760
Lyon	53146	29410	39897	15603	33556	33208	33926	36049	25130	36063	32447
Madison	13662	-654	10352	-3284	7909	5327	7292	12165	666	9435	8986
Mahaska	27083	13109	27622	12441	24328	21968	26716	27757	15641	33870	29184
Marion	10091	1811	16551	3072	11719	9779	13439	13079	11245	19753	14874
Marshall	35877	28162	25445	10059	27069	20962	23346	26177	10926	31245	20723
Mills	14786	-1725	10028	-6515	10452	7555	7833	7965	10418	15136	17989
Mitchell	39687	26874	30082	6474	25765	23818	32227	27589	16267	30257	23689
Monona	22692	-190	18574	1068	20549	2469	11229	16031	14230	15534	19199
Monroe	-148	-6734	2497	-2953	1075	-603	1479	2428	-1464	2383	-560
Montgomery	22967	2239	16494	4037	18131	13810	12898	15359	9037	12145	13637
Muscatine	16902	8158	17994	2097	12550	4118	11519	13375	5373	9879	9278
O'Brien	55333	35478	36986	10057	35978	37677	41408	44508	47253	44110	38628
Osceola	33528	23067	24157	2403	17207	20767	19464	18998	18550	17556	14701
Page	27752	531	16135	4180	22149	18062	18893	20228	10696	21301	24547
Palo Alto	42034	22729	29362	-3889	28651	7714	26818	23953	23491	28904	24845
Plymouth	59728	33054	36112	20428	42394	38312	38703	48594	28893	50990	38502
Pocahontas	41190	24140	30960	-1588	26164	8997	13421	25529	20687	20915	31603
Polk	22917	18511	18869	2963	15968	7310	10763	16972	5944	15931	11627
Pottawattamie	37419	14203	34763	8733	39622	30022	25715	16019	13757	28556	27086
Poweshiek	19557	11177	21318	6732	18976	13600	19013	19355	8329	23181	17054
Ringgold	2152	-6996	8636	-1902	6370	4326	5417	10452	3900	10505	8005
Sac	44150	19347	28107	6769	25135	19159	25156	30121	30849	33535	35138
Scott	30824	15480	19089	7142	22032	16282	22071	23276	10523	18674	8066
Shelby	33147	15253	27014	8171	26682	23369	25627	25291	16656	27206	16707
Sioux	92173	58446	58720	43791	73795	65607	72803	79525	57158	76525	64555
Story	41934	31367	29851	4305	27651	17030	19063	29094	10221	29613	27508
Tama	29273	19597	25193	6410	21777	14146	21676	17100	14227	26458	19110
Taylor	13504	-1548	12825	1075	10238	6978	6196	8730	3259	13281	11961
Union	6828	-4004	8930	-800	6257	5831	6065	6025	2009	6916	2799
Van Buren	10950	-3061	8482	1955	8113	5507	7428	5163	2745	7966	5132
Wapello	13709	1587	12940	2703	10245	6045	7039	7531	2688	6328	6114
Warren	5251	-2484	11399	-5034	8490	2155	6338	7526	3861	11330	6590
Washington	35769	20804	22717	12348	22084	21216	25446	26357	16044	34470	29788
Wayne	6858	-3076	10895	-1553	3271	1967	3089	5631	2362	10339	7837
Webster	67431	51729	45160	3475	35205	20102	20160	41800	15445	26725	30027
Winnebago	25064	16272	22336	-4029	15831	5275	18775	15408	18686	21668	16880
Winneshiek	33361	15186	30782	16175	30533	26030	39648	34956	15466	33179	25686
Woodbury	28542	3574	17796	1203	25180	8861	19575	26914	13281	32074	11604
Worth	31044	25809	24827	2167	16797	11743	20778	17265	13664	18565	15556
Wright	45791	33594	29255	-3120	25736	7084	21087	32259	23808	23161	25784
State of Iowa	3045672	1489408	2294492	479742	2134845	1450953	2004778	2108648	1348047	2328942	1922569

Table 6. Adjusted Farm Earnings (1996 dollars in \$1,000) and Percentage of Total Personal Income from Farm Earnings in Iowa's Counties, 1986, 1991, 1995, and 1996.

County	Adjusted Farm Earnings (1996 \$s in \$1,000)				% of Total Personal Income from Farm Earnings			
	1996	1995	1991	1986	1996	1995	1991	1986
Adair	12917	-4582	11579	24431	8.1	-3.3	8.0	15.4
Adams	13786	-1887	10360	13770	15.8	-2.6	13.0	15.1
Allamakee	19345	8603	20281	18373	7.8	3.7	8.9	7.8
Appanoose	1578	-4068	-802	2419	0.7	-1.9	-0.4	1.1
Audubon	26455	13051	20949	18138	18.5	10.1	15.6	13.3
Benton	51919	27353	18269	41664	10.1	5.7	4.5	9.7
Black Hawk	38737	25448	18760	34235	1.5	1.0	0.8	1.5
Boone	35329	27541	15346	30763	6.0	4.9	3.0	6.1
Bremer	32410	19143	15769	15894	6.5	4.0	3.7	3.9
Buchanan	37547	13045	23585	21862	9.2	3.4	6.5	6.4
Buena Vista	62462	41396	31433	46266	14.5	10.3	8.3	11.7
Butler	50577	27669	28501	30737	16.0	9.5	10.1	10.7
Calhoun	42144	25485	9425	38803	16.9	11.1	4.9	17.0
Carroll	51451	35248	33745	45706	10.7	7.8	8.1	10.4
Cass	14995	1609	14205	16740	5.1	0.6	5.2	5.6
Cedar	32325	10953	14350	18336	8.5	3.1	4.2	5.4
Cerro Gordo	38959	25405	16678	35692	3.8	2.5	1.8	3.8
Cherokee	38913	22560	33938	33332	13.8	8.6	12.7	12.1
Chickasaw	27468	18932	19186	18746	10.5	7.5	8.3	7.5
Clarke	-3829	-8506	1523	4974	-3.0	-7.2	1.2	3.7
Clay	41586	24758	17048	35171	10.4	6.6	5.2	10.1
Clayton	42229	19305	40525	48475	11.6	5.8	12.6	14.5
Clinton	38763	20769	17319	19081	3.6	2.0	1.8	2.0
Crawford	24512	7621	16978	23646	7.3	2.4	5.8	7.6
Dallas	45326	22859	16315	17393	5.5	2.9	2.5	2.9
Davis	6614	-5623	3512	8283	4.4	-4.1	2.7	6.4
Decatur	5789	-1492	6488	7381	4.9	-1.4	5.6	5.8
Delaware	48744	15430	32665	58228	13.9	4.9	10.6	18.0
Des Moines	18489	9276	7910	20280	2.0	1.0	0.9	2.4
Dickinson	23350	11575	10653	21134	5.9	3.1	3.3	7.0
Dubuque	43441	18836	32708	48309	2.2	1.0	1.9	2.9
Emmet	27408	18497	8658	24183	12.1	8.5	4.3	11.2
Fayette	50370	30461	40134	30996	12.5	8.0	11.2	8.3
Floyd	36591	24114	21514	31035	10.6	7.4	6.8	9.5
Franklin	44600	23717	12624	50650	18.6	11.0	6.5	21.1
Fremont	31076	5504	13246	33554	19.2	4.0	9.7	19.6
Greene	45220	33798	19087	32163	19.9	15.9	10.2	15.0
Grundy	37125	37071	24707	33867	13.3	13.4	10.0	13.1
Guthrie	29845	11157	15489	17482	12.8	5.3	7.6	8.6
Hamilton	56523	35300	21286	40375	14.7	9.9	6.6	11.5
Hancock	38630	18159	7393	44292	15.7	8.1	3.7	17.6
Hardin	55290	39535	25367	41423	13.2	9.9	6.9	10.2
Harrison	35431	6055	6302	24630	12.0	2.3	2.6	9.4
Henry	25941	10299	11081	14111	6.3	2.7	3.1	4.0
Howard	28280	17137	14852	24211	14.1	9.2	8.9	13.2
Humboldt	41786	28301	6087	25992	17.0	12.6	3.2	12.2
Ida	22273	13456	14931	24054	13.4	8.8	10.2	15.0
Iowa	24438	8602	15682	14304	7.1	2.7	5.2	5.0
Jackson	8187	-2495	1278	9511	2.3	-0.7	0.4	2.8
Jasper	36821	26065	25298	43947	4.5	3.4	3.6	6.1

Table 6. Adjusted Farm Earnings (1996 dollars in \$1,000) and Percentage of Total Personal Income from Farm Earnings in Iowa's Counties, 1986, 1991, 1995, and 1996 (continued).

County	Adjusted Farm Earnings (1996 \$s in \$1,000)				% of Total Personal Income from Farm Earnings			
	1996	1995	1991	1986	1996	1995	1991	1986
Jefferson	13469	1561	10674	20100	3.9	0.5	3.6	6.7
Johnson	24529	6048	17101	26268	1.0	0.3	0.8	1.5
Jones	30115	10488	15291	17025	8.7	3.2	4.9	5.5
Keokuk	25224	8051	20319	24011	11.5	4.1	10.0	10.5
Kossuth	58298	36397	9758	82022	15.9	10.8	3.2	20.8
Lee	20079	3545	9361	20273	2.6	0.5	1.3	2.7
Linn	28716	7188	8354	14193	0.6	0.2	0.2	0.4
Louisa	13081	5847	5418	18269	6.1	2.8	2.7	8.6
Lucas	-1963	-6181	833	2499	-1.3	-4.2	0.5	1.5
Lyon	53146	30267	38124	46062	22.2	14.3	18.5	21.6
Madison	13662	-673	6116	12757	5.0	-0.3	2.7	5.6
Mahaska	27083	13491	25220	41430	6.4	3.3	6.5	10.2
Marion	10091	1864	11227	21115	1.5	0.3	1.9	3.6
Marshall	35877	28983	24065	29418	4.2	3.4	3.0	3.7
Mills	14786	-1775	8673	25537	4.6	-0.6	3.0	9.1
Mitchell	39687	27657	27344	33629	15.7	11.7	12.5	14.2
Monona	22692	-196	2835	27255	11.5	-0.1	1.8	14.6
Monroe	-148	-6930	-692	-795	-0.1	-4.8	-0.5	-0.6
Montgomery	22967	2304	15854	19359	8.8	1.0	6.7	8.2
Muscatine	16902	8396	4728	13171	1.7	0.9	0.6	1.6
O'Brien	55333	36512	43255	54836	16.7	11.8	14.5	17.2
Osceola	33528	23739	23841	20870	22.3	17.1	18.0	15.8
Page	27752	546	20736	34847	7.8	0.2	6.5	10.3
Palo Alto	42034	23391	8856	35270	19.4	12.2	5.2	16.6
Plymouth	59728	34017	43984	54658	11.7	7.1	9.6	12.5
Pocahontas	41190	24843	10329	44864	21.4	14.2	6.4	21.5
Polk	22917	19050	8392	16506	.2	0.2	0.1	0.2
Pottawattamie	37419	14617	34466	38451	2.2	0.9	2.3	2.5
Poweshiek	19557	11503	15613	24210	4.8	2.9	4.2	6.5
Ringgold	2152	-7200	4966	11364	2.5	-9.7	6.0	12.1
Sac	44150	19911	21995	49882	18.1	9.2	10.4	20.0
Scott	30824	15931	18692	11451	0.9	0.5	0.6	0.4
Shelby	33147	15697	26828	23717	12.3	6.4	10.9	9.7
Sioux	92173	60149	75319	91643	14.5	10.2	13.8	17.2
Story	41934	32281	19551	39050	2.5	2.0	1.4	2.9
Tama	29273	20168	16240	27129	8.3	5.8	5.1	7.9
Taylor	13504	-1593	8011	16980	12.1	-1.7	7.6	13.7
Union	6828	-4121	6694	3973	2.9	-1.9	3.1	1.8
Van Buren	10950	-3150	6322	7285	8.1	-2.7	5.3	6.1
Wapello	13709	1633	6940	8679	2.0	0.2	1.1	1.4
Warren	5251	-2556	2474	9355	0.6	-0.3	0.4	1.5
Washington	35769	21410	24357	42287	8.2	5.2	6.3	10.8
Wayne	6858	-3166	2258	11125	6.2	-3.2	2.1	8.7
Webster	67431	53236	23078	42626	7.7	6.2	3.0	5.5
Winnebago	25064	16746	6056	23963	9.4	6.6	2.7	9.1
Winneshiek	33361	15629	29883	36464	8.0	4.0	8.0	10.2
Woodbury	28542	3678	10173	16473	1.2	0.2	0.5	0.9
Worth	31044	26561	13481	22083	18.9	16.8	9.6	13.9
Wright	45791	34573	8133	36603	14.5	11.6	3.2	12.2
State of Iowa	3045672	1532812	1665748	2729287	4.8	2.5	3.0	5.0

Table 7. Dividends, Interest, and Rent (in \$1,000) in Iowa's Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	39264	37571	33970	34076	34510	34100	37536	34136	32046	31144	33078
Adams	15813	15131	13388	14134	14242	15159	15274	14709	14562	15592	16295
Allamakee	53344	50894	46756	47899	47759	46524	47589	43814	41692	42703	45667
Appanoose	45972	43409	40137	36628	37234	38185	38526	36949	35223	35762	36687
Audubon	32012	30522	28316	27517	28448	30038	30088	29104	27425	27503	28866
Benton	83057	79037	73981	74537	69215	72335	71633	68039	67685	67748	70122
Black Hawk	457818	430178	394078	381222	368432	373007	376855	358162	322019	318269	330804
Boone	102901	96205	85563	85329	82858	83394	84053	79798	72886	73655	74628
Bremer	94703	89681	84924	84736	82950	80513	82548	78917	72947	74077	77338
Buchanan	78530	74608	73146	73387	69908	72747	70528	66594	60782	59445	60625
Buena Vista	84998	80096	74223	75894	74454	77531	78172	74004	65783	67788	71576
Butler	56867	54076	50562	50825	53191	53381	55151	52626	49936	52161	56285
Calhoun	63212	60361	54626	54382	50547	45796	46282	44142	41503	43534	45743
Carroll	107582	101997	97718	95522	99159	95738	93544	88188	83609	83977	84351
Cass	74316	70226	66582	70295	65258	68347	67956	65085	59356	62161	65404
Cedar	86858	82072	80032	76522	74561	73795	71747	67250	64736	65081	65637
Cerro Gordo	199429	187658	169213	168539	166200	170746	172633	159395	145852	155221	153630
Cherokee	57618	54590	51170	50957	52305	53276	54713	49987	47860	47919	49017
Chickasaw	49991	47628	43645	42549	43078	42963	44230	43372	41827	43497	45805
Clarke	22408	21456	20142	20323	21749	22706	23933	21989	21939	22800	23912
Clay	73613	69844	65200	63321	63331	62264	63960	61577	59070	57486	60184
Clayton	79950	76214	72839	71563	67205	65430	65758	63624	60437	62097	64242
Clinton	176270	166562	155605	154433	155146	154305	155790	146709	140334	143531	148759
Crawford	84042	80460	78228	77347	72841	67902	64280	53994	49686	52706	56410
Dallas	126185	119505	110232	106525	98732	96604	96070	89413	80439	81142	83612
Davis	34137	32880	29999	32133	29479	27141	26361	21535	20240	21341	22249
Decatur	19852	18927	17769	17609	18345	19376	20228	19528	18258	18519	19866
Delaware	69642	66341	63461	61886	60153	60244	60545	57188	54628	55938	57306
Des Moines	160332	151013	144370	141892	136105	135359	137125	129959	120366	120915	124791
Dickinson	96141	90461	83960	80794	79282	77186	78075	74738	68270	65923	65855
Dubuque	398923	377015	341330	339286	327813	318986	318769	293752	276524	266891	267438
Emmet	39454	37401	35461	39187	38981	39082	39200	35568	33746	37116	39960
Fayette	75738	72001	69626	68149	67870	69785	70131	67633	63513	65271	70828
Floyd	80451	76170	68931	67640	66986	67925	67555	65752	57982	59383	62478
Franklin	49791	46980	42879	43066	44804	45232	45731	42419	38713	42714	44750
Fremont	30974	29457	27633	27658	28115	29072	29719	28847	26124	27773	27817
Greene	50229	47625	45871	45179	45091	45017	43992	42828	40502	44537	47866
Grundy	60275	56963	50726	50964	54450	51157	52147	48948	46129	48104	50406
Guthrie	42515	40594	37742	37173	37816	38870	39492	36316	33951	35817	38296
Hamilton	73511	69839	62263	59280	60825	62683	62325	59386	54951	59490	62183
Hancock	51278	48759	44745	45799	46182	48059	50454	46734	44004	46265	49396
Hardin	90653	85950	77790	75772	76537	79965	80871	78978	77309	76818	80972
Harrison	42624	40725	39918	39430	39879	42253	42676	42467	40302	40119	41865
Henry	67531	63694	60983	60913	59882	61201	61472	57924	55557	56530	58437
Howard	43736	41649	37705	37799	39909	39424	39609	37168	36491	37037	39249
Humboldt	48011	45610	43575	46344	45576	45353	46295	44587	40356	42334	43856
Ida	34462	32754	30209	28566	29482	30897	31960	30009	28861	30326	31459
Iowa	66225	62689	61034	65165	64444	59396	55709	51402	53237	53302	56238
Jackson	77775	73914	68167	73454	66922	68605	65207	63919	61214	63737	66945
Jasper	144396	136594	131784	125947	126537	125507	123293	116038	113932	114464	112690

Table 7. Dividends, Interest, and Rent (in \$1,000) in Iowa's Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	72307	68018	62354	58096	56615	54810	57770	53042	45626	47586	47468
Johnson	417307	392747	385432	372239	324971	303968	299040	274872	238560	227245	230887
Jones	70861	67429	63400	63169	62856	63737	68790	66127	61769	60167	63367
Keokuk	50415	48110	43569	44506	45382	46535	46981	45401	43049	46171	47738
Kossuth	80501	76462	72516	71275	68777	72201	75447	71492	65965	68444	71685
Lee	143503	134726	131676	125195	122672	132135	123033	118511	110132	109619	112937
Linn	781774	735711	680603	654593	620536	623101	610087	584453	517796	500068	492261
Louisa	31496	29918	28046	27299	28915	30203	30370	29669	28804	31324	31835
Lucas	39513	37456	33893	30362	29945	29351	30227	29639	29237	28001	30000
Lyon	45528	43234	38721	39334	39759	40554	41647	41047	37046	35635	37885
Madison	40763	38769	36125	35992	36049	36970	36918	34317	33784	34036	36207
Mahaska	82298	77711	70747	72445	67421	69791	69680	65425	64367	65769	66872
Marion	133299	125648	116513	110265	106174	104039	104858	95754	89604	92812	93661
Marshall	157682	149223	139880	141723	139503	139111	142858	140961	122249	120179	127242
Mills	37906	36037	32937	31966	31575	31691	32459	30774	29980	30688	31524
Mitchell	57599	54801	50525	49442	50612	49161	49858	47691	45739	48048	51195
Monona	35539	33732	30374	32143	31119	32660	33722	33696	31556	30537	32928
Monroe	27701	26092	23748	24828	25517	25402	24781	22695	21837	20673	21472
Montgomery	49490	46456	44722	45211	45515	47359	46845	46377	42174	41832	44039
Muscatine	241563	223143	213660	201188	180937	170365	163861	143430	143231	137882	135796
O'Brien	69243	65987	61604	61207	61069	61737	62901	58099	54739	56628	61322
Osceola	31148	29683	27010	26334	27372	27350	28542	26824	25539	25921	26878
Page	73399	69656	66156	66162	64340	66910	67767	64399	58511	59334	60998
Palo Alto	38862	36962	35229	38922	37454	39598	40779	37608	36046	37248	41890
Plymouth	105009	99351	89482	94626	93771	92956	93368	87365	80111	79258	81955
Pocahontas	36605	34990	33257	35060	36100	37003	37459	36091	34943	38292	40385
Polk	1580868	1482134	1352980	1265446	1213983	1216425	1175942	1089087	985268	914228	892286
Pottawattamie	246004	231773	211486	204861	200331	190082	182006	173687	177655	178505	179975
Poweshiek	83506	78910	74228	70838	70144	70729	70074	66533	62127	62025	63193
Ringgold	18763	17961	17498	18516	16962	17760	17660	16679	16384	17361	18320
Sac	55227	52339	48182	49703	48855	51426	52187	50083	46196	46992	51907
Scott	625161	585429	543182	549248	497709	497140	496485	446779	420352	404395	412149
Shelby	62651	59737	54143	53881	53752	55728	57854	54744	52107	50916	52502
Sioux	127767	121585	113275	107682	106452	105984	95446	89902	89974	87992	90388
Story	312567	293711	251594	241937	235843	224039	208963	197739	192926	190941	190531
Tama	70365	66935	63671	62702	62875	65002	65864	64077	62494	64164	68235
Taylor	22188	21340	19824	20499	21857	22734	23418	22000	21800	23259	25349
Union	46399	43699	41573	40054	39388	42133	43827	40199	40049	39246	42105
Van Buren	23748	22608	20855	21137	21449	22175	21062	20137	19420	19736	21234
Wapello	107086	101441	92435	89137	90348	97630	95493	89342	82443	84518	86305
Warren	104613	98499	95782	88088	84720	85090	81778	75819	71258	69759	69224
Washington	97575	92490	84002	80832	80988	78274	78823	73813	67674	74417	75744
Wayne	23795	22711	20279	22497	21993	24560	25093	24185	22850	24142	25805
Webster	162710	153913	144565	143224	144076	146980	135814	126820	126519	129835	134986
Winnebago	46840	44504	41728	49244	47664	47792	48483	47565	45020	45612	49902
Winneshiek	83024	78603	73838	72898	71035	69376	69799	66406	62669	64191	63631
Woodbury	375121	352789	322204	334245	333979	300217	278289	263628	264634	259555	264171
Worth	32350	30568	27673	27059	28025	28972	29795	27236	26251	27556	29874
Wright	63947	60609	55922	58652	58766	59920	59507	61193	54331	60031	59506
State of Iowa	11618995	10962326	10165305	9975509	9670928	9633427	9531500	8958612	8367589	8330436	8519622

Table 8. Adjusted Dividends, Interest, and Rent (1996 dollars in \$1,000) and Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa's Counties, 1986, 1991, 1995, and 1996.

County	Adjusted Dividends, Interest, and Rent (1996 \$s in \$1,000)				% of Total Personal Income from Dividends, Interest, and Rent			
	1996	1995	1991	1986	1996	1995	1991	1986
Adair	39264	38666	39148	46958	24.7	27.7	27.1	29.7
Adams	15813	15572	17403	23132	18.1	21.8	21.9	25.4
Allamakee	53344	52377	53411	64829	21.4	22.3	23.5	27.5
Appanoose	45972	44674	43838	52081	20.3	20.6	20.8	24.1
Audubon	32012	31411	34485	40978	22.4	24.3	25.7	30.2
Benton	83057	81340	83043	99545	16.2	17.1	20.3	23.2
Black Hawk	457818	442714	428226	469611	17.4	17.1	18.1	20.8
Boone	102901	99009	95739	105942	17.6	17.7	18.6	20.9
Bremer	94703	92294	92432	109789	19.1	19.4	21.6	26.6
Buchanan	78530	76782	83516	86064	19.3	20.2	22.9	25.1
Buena Vista	84998	82430	89008	101610	19.8	20.4	23.6	25.6
Butler	56867	55652	61283	79902	18.0	19.1	21.8	27.8
Calhoun	63212	62120	52576	64937	25.4	27.0	27.1	28.4
Carroll	107582	104969	109911	119745	22.3	23.3	26.2	27.4
Cass	74316	72272	78465	92848	25.2	26.0	28.7	31.0
Cedar	86858	84464	84719	93179	22.7	24.0	25.0	27.7
Cerro Gordo	199429	193127	196023	218094	19.3	19.3	21.0	23.2
Cherokee	57618	56181	61163	69585	20.4	21.3	22.9	25.3
Chickasaw	49991	49016	49323	65025	19.1	19.5	21.3	25.9
Clarke	22408	22081	26067	33946	17.7	18.7	20.2	25.4
Clay	73613	71879	71481	85437	18.4	19.3	21.6	24.5
Clayton	79950	78435	75116	91198	22.0	23.4	23.4	27.2
Clinton	176270	171416	177148	211179	16.5	16.8	18.3	22.0
Crawford	84042	82805	77954	80080	25.0	26.0	26.5	25.9
Dallas	126185	122988	110905	118696	15.2	15.8	17.2	19.8
Davis	34137	33838	31159	31585	22.8	24.9	23.8	24.3
Decatur	19852	19479	22244	28202	16.9	18.0	19.2	22.3
Delaware	69642	68274	69162	81352	19.8	21.9	22.4	25.2
Des Moines	160332	155414	155397	177154	17.4	17.2	18.2	20.7
Dickinson	96141	93097	88612	93488	24.3	25.0	27.4	30.9
Dubuque	398923	388002	366208	379656	20.4	20.2	21.5	23.2
Emmet	39454	38491	44868	56727	17.4	17.8	22.3	26.3
Fayette	75738	74099	80116	100548	18.8	19.5	22.3	26.9
Floyd	80451	78390	77980	88694	23.4	24.0	24.6	27.2
Franklin	49791	48349	51928	63527	20.8	22.4	26.7	26.4
Fremont	30974	30315	33376	39489	19.1	22.3	24.5	23.1
Greene	50229	49013	51681	67951	22.1	23.1	27.7	31.6
Grundy	60275	58623	58730	71557	21.6	21.2	23.7	27.8
Guthrie	42515	41777	44624	54365	18.3	19.8	21.9	26.7
Hamilton	73511	71874	71962	88275	19.1	20.2	22.2	25.2
Hancock	51278	50180	55174	70123	20.8	22.3	27.3	27.9
Hardin	90653	88455	91803	114948	21.6	22.2	25.1	28.2
Harrison	42624	41912	48508	59432	14.5	16.1	20.3	22.8
Henry	67531	65550	70261	82957	16.5	16.9	19.4	23.8
Howard	43736	42863	45260	55718	21.7	23.0	27.0	30.3
Humboldt	48011	46939	52067	62258	19.6	20.8	27.2	29.1
Ida	34462	33708	35471	44659	20.8	22.1	24.3	27.8
Iowa	66225	64516	68189	79836	19.2	20.1	22.6	28.0
Jackson	77775	76068	78761	95035	21.5	22.1	23.9	27.6
Jasper	144396	140575	144087	159975	17.8	18.2	20.2	22.3

Table 8. Adjusted Dividends, Interest, and Rent (1996 dollars in \$1,000) and Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa's Counties, 1986, 1991, 1995, and 1996 (continued).

County	Adjusted Dividends, Interest, and Rent (1996 \$s in \$1,000)				% of Total Personal Income from Dividends, Interest, and Rent			
	1996	1995	1991	1986	1996	1995	1991	1986
Jefferson	72307	70000	62924	67386	21.0	22.0	21.4	22.6
Johnson	417307	404192	348967	327768	17.3	17.2	17.0	18.3
Jones	70861	69394	73172	89956	20.4	21.5	23.5	28.8
Keokuk	50415	49512	53424	67769	22.9	25.3	26.2	29.7
Kossuth	80501	78690	82889	101764	22.0	23.3	27.4	25.8
Lee	143503	138652	151696	160326	18.4	18.2	20.9	21.3
Linn	781774	757151	715343	698816	17.0	16.9	18.1	19.4
Louisa	31496	30790	34674	45193	14.7	14.8	17.2	21.3
Lucas	39513	38548	33696	42588	25.3	26.1	21.2	24.9
Lyon	45528	44494	46557	53782	19.0	21.1	22.6	25.2
Madison	40763	39899	42443	51400	14.8	15.7	18.6	22.6
Mahaska	82298	79976	80123	94932	19.4	19.8	20.8	23.3
Marion	133299	129310	119441	132962	19.7	20.0	20.5	22.8
Marshall	157682	153572	159705	180633	18.6	18.1	19.9	22.7
Mills	37906	37087	36382	44752	11.8	12.6	12.7	15.9
Mitchell	57599	56398	56439	72677	22.8	23.9	25.7	30.8
Monona	35539	34715	37495	46745	18.1	20.1	23.3	25.0
Monroe	27701	26852	29162	30482	18.4	18.8	20.2	21.8
Montgomery	49490	47810	54370	62518	19.0	20.4	22.9	26.4
Muscatine	241563	229646	195585	192777	24.3	24.0	23.0	23.2
O'Brien	69243	67910	70876	87053	20.8	22.0	23.8	27.3
Osceola	31148	30548	31399	38156	20.7	22.1	23.7	28.9
Page	73399	71686	76815	86593	20.6	22.0	24.1	25.6
Palo Alto	38862	38039	45460	59467	18.0	19.8	26.6	27.9
Plymouth	105009	102246	106717	116344	20.5	21.2	23.4	26.7
Pocahontas	36605	36010	42481	57331	19.0	20.6	26.3	27.5
Polk	1580868	1525326	1396501	1266693	16.3	16.2	16.9	17.5
Pottawattamie	246004	238527	218221	255493	14.3	14.5	14.4	16.3
Poweshiek	83506	81210	81200	89709	20.5	20.6	21.8	24.2
Ringgold	18763	18484	20389	26007	21.9	25.0	24.6	27.7
Sac	55227	53864	59039	73687	22.6	24.9	27.9	29.5
Scott	625161	602489	570735	585088	17.4	17.1	17.4	18.7
Shelby	62651	61478	63978	74532	23.2	24.9	26.1	30.4
Sioux	127767	125128	121674	128315	20.1	21.2	22.3	24.1
Story	312567	302270	257205	270479	18.9	18.8	18.1	20.3
Tama	70365	68886	74625	96867	19.9	19.9	23.4	28.2
Taylor	22188	21962	26099	35986	19.8	22.9	24.9	29.1
Union	46399	44972	48370	59772	19.9	20.6	22.3	26.4
Van Buren	23748	23267	25458	30144	17.5	19.8	21.3	25.1
Wapello	107086	104397	112083	122519	15.6	15.6	17.4	19.3
Warren	104613	101369	97686	98271	12.6	12.7	13.9	15.3
Washington	97575	95185	89861	107527	22.3	23.0	23.3	27.5
Wayne	23795	23373	28196	36633	21.5	23.5	26.6	28.5
Webster	162710	158398	168738	191627	18.5	18.5	22.0	24.6
Winnebago	46840	45801	54867	70841	17.5	18.1	24.2	26.8
Winneshiek	83024	80894	79646	90331	19.9	20.5	21.4	25.2
Woodbury	375121	363070	344660	375018	16.3	16.3	17.7	19.9
Worth	32350	31459	33261	42409	19.7	19.9	23.6	26.7
Wright	63947	62375	68790	84475	20.3	20.9	27.2	28.1
State of Iowa	11618995	11281784	11059531	12094491	18.3	18.5	19.9	22.2

Table 9. Transfer Payments (in \$1,000) in Iowa's Counties, 1986-1996.

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Adair	29410	28207	27237	26712	24121	22120	20829	19059	18238	17828	17911
Adams	18863	17890	17315	16062	15060	14237	13409	12773	12607	12479	11952
Allamakee	49003	46533	43605	43384	40379	36601	34867	32555	30232	28929	28406
Appanoose	61940	57875	55577	55352	51363	47907	44580	42379	40719	39993	40043
Audubon	26655	25514	24054	24324	22726	21287	19672	18756	16711	16318	16049
Benton	74382	70988	68222	63095	61671	56821	51355	47803	45111	43898	43246
Black Hawk	457369	440572	422314	401896	376017	349757	323829	302571	285428	274564	275527
Boone	123151	118240	129039	121567	112652	108306	99775	91781	89610	82678	73242
Bremer	74620	70990	67366	69759	59575	55051	49991	47375	44859	43971	43408
Buchanan	67206	65722	62829	60813	56839	53198	47965	46247	43822	43494	42153
Buena Vista	75706	70842	68401	64729	61378	57323	52575	50071	47230	44777	43416
Butler	60289	58697	55344	53202	50343	46167	42012	39043	36409	35425	34695
Calhoun	48035	45782	43720	42190	39060	36396	34823	31454	29786	28760	28334
Carroll	78822	74607	70710	67673	64233	59554	54066	50975	46681	44463	43406
Cass	64648	61615	58425	55280	52168	47063	43380	39983	36909	36049	35762
Cedar	53797	50370	47838	46906	44645	41155	37650	35161	32784	31792	31113
Cerro Gordo	187373	176650	169838	165373	155461	142765	132648	120083	113489	107687	104789
Cherokee	53360	52588	48382	46566	43605	40513	38320	36093	33667	33041	31885
Chickasaw	43979	42193	40293	39659	36180	33776	30979	29302	28164	27201	27252
Clarke	32452	30840	28856	29193	26399	24511	21530	20139	18945	18325	17931
Clay	63219	59948	56437	52962	49458	46985	43497	41109	38108	36572	35830
Clayton	67923	64409	60290	58675	56056	52863	48236	44713	42413	40077	39180
Clinton	201484	190655	180369	172639	162797	154229	142020	131689	121822	115940	114853
Crawford	62678	60218	57449	54570	50032	46667	42013	39287	36109	34210	33749
Dallas	105544	99949	94804	91614	85456	77441	70680	67200	62896	60416	60076
Davis	31039	29312	28016	27323	25386	23521	21846	20629	19456	18973	18685
Decatur	32783	31217	30374	29492	28360	25756	23687	21789	21040	20537	20271
Delaware	52991	49380	46329	45463	43073	39835	36430	33902	31587	30428	29855
Des Moines	165959	157127	149167	145247	138845	128544	120544	110022	103114	98077	96773
Dickinson	62950	59915	57533	56801	51615	48619	42675	39787	37479	35745	34523
Dubuque	295333	274834	258935	253710	234046	216647	199794	187201	175545	168046	166863
Emmet	48897	47833	43725	42596	40352	36910	33762	32393	29353	28320	27844
Fayette	82413	77845	73570	69485	65314	61082	56431	53249	49620	48606	48812
Floyd	67324	66310	64468	60842	57584	53482	49144	44943	42789	40821	40299
Franklin	40334	38689	37074	36682	35654	32561	29383	27370	26228	25282	24386
Fremont	32553	31746	30286	28109	26634	24665	22492	22146	21316	20634	20438
Greene	43862	42472	39746	37498	35439	33433	30852	28526	27077	25384	25111
Grundy	38907	36881	34184	33767	32827	30801	28512	27506	26373	25713	25332
Guthrie	45185	43201	40605	40763	37749	35383	32711	30763	28663	28144	27661
Hamilton	58654	57754	54826	53704	51212	46062	42759	39278	37416	36157	35627
Hancock	43814	42370	40755	39768	37247	33890	31153	27835	25666	24748	24298
Hardin	79145	75353	70492	69261	66228	61754	55966	52250	49184	48356	46975
Harrison	61741	60590	54717	53758	50729	47200	41775	40225	37223	36037	35283
Henry	64391	61181	58063	56570	52868	51055	47082	43811	40755	38219	37584
Howard	34721	33108	32327	31493	30079	27564	25195	23433	21511	20600	20791
Humboldt	44684	42156	40792	39931	36845	34549	31440	28737	26502	25565	24888
Ida	26994	25329	23654	23735	22129	20465	18940	17986	18189	17608	17048
Iowa	46291	44829	41607	41452	39518	35642	33944	31082	29710	28596	28118
Jackson	75279	70075	66559	67872	60895	55049	49780	46805	45122	43027	42712
Jasper	128949	120958	114629	110679	103693	95099	86946	79669	75543	72161	71031

Table 9. Transfer Payments (in \$1,000) in Iowa's Counties, 1986-1996 (continued).

County	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Jefferson	52878	50376	47295	44457	42126	39620	37090	34068	32620	31370	30259
Johnson	217729	203786	193210	183683	167002	154485	140601	130462	120370	112012	105597
Jones	56686	54393	50002	49823	46312	42854	40494	38356	35810	35004	34723
Keokuk	48507	44786	42470	41028	39773	36737	34153	32278	30596	29600	29341
Kossuth	62889	61203	58641	57072	52946	49586	46245	43002	40515	39086	38492
Lee	151401	144550	137973	134885	127341	117404	105850	102204	95908	91972	90771
Linn	558832	530788	501506	477656	448788	416430	384493	352309	328010	309779	303905
Louisa	34796	33397	31472	32677	29795	28385	26115	24633	23096	21964	21765
Lucas	36791	35101	33797	32222	31034	29716	27398	25855	25377	24579	24537
Lyon	38793	35643	33153	31723	29897	29336	26855	24643	23063	21902	21454
Madison	44929	42896	39633	38624	35461	32654	30280	27991	27009	26280	26035
Mahaska	77483	74405	72247	69997	66509	63288	58285	53897	50496	48481	47397
Marion	110206	104469	99240	94881	90005	83700	76585	70808	67229	64709	63312
Marshall	149627	142390	133643	126897	118657	111123	101639	94967	89513	87056	85052
Mills	88046	84887	87007	85756	83954	78770	73364	66617	65173	57949	46961
Mitchell	42472	39849	38395	37331	34621	31473	28729	27465	25577	25162	24380
Monona	48701	46777	44466	44743	41095	37999	34582	31559	29621	28778	27864
Monroe	34917	34426	33013	31467	29766	28277	25860	24525	23917	23057	23359
Montgomery	57204	54324	50171	49077	44319	41103	37964	35521	33286	32504	31786
Muscatine	132511	124732	117287	112363	105886	98776	90815	84934	79012	74881	74917
O'Brien	60310	57081	53813	50571	48794	44323	40894	38002	35632	34686	33792
Osceola	24135	23228	22392	21905	20689	19363	17708	17360	15881	15015	15038
Page	69936	66718	62830	60223	58178	55273	51072	47815	45259	43737	42895
Palo Alto	43669	41705	40063	38602	35427	33490	30522	28685	26872	25666	25409
Plymouth	73620	71480	69267	66527	61474	56811	51640	48789	45715	44278	42766
Pocahontas	38396	36943	35586	34252	32106	29637	27424	25298	23923	23214	22578
Polk	1154509	1087320	1032172	993608	927072	859036	782855	719738	676954	641592	631263
Pottawattamie	316324	303645	288355	275445	261207	240867	223652	207203	192805	183135	181144
Poweshiek	64438	60807	57390	54358	51314	46709	42972	40927	37937	36563	36179
Ringgold	24344	22620	21603	20526	19947	18584	16900	14989	14555	14072	13329
Sac	50276	47749	45450	43700	41182	39367	35968	34226	31815	29235	28609
Scott	541975	525836	495940	484237	441918	407816	380142	350849	328230	305108	299886
Shelby	51906	49522	46804	44196	39528	35765	32588	31003	29198	28410	27414
Sioux	86707	81802	76638	74691	70087	64037	58672	55353	51430	50702	49265
Story	195464	185370	173533	167232	154136	146534	133849	123390	115208	110810	104713
Tama	65069	62235	58512	56260	53366	50769	46204	42872	40465	39245	38256
Taylor	27544	26142	25160	25216	23848	23173	21300	19814	19040	18562	18286
Union	52363	49704	45988	45707	42454	39929	37448	34955	33229	32716	32423
Van Buren	31408	29917	28315	26986	25461	24146	22142	21426	19822	18429	18007
Wapello	159352	151401	142886	139245	134990	122942	112363	106961	102901	100218	100904
Warren	108277	103606	96304	92567	84418	77048	69133	64546	60448	56876	55117
Washington	71489	66992	62571	61873	58293	55217	50996	46964	42824	40626	39540
Wayne	31782	30002	28712	27919	26251	24255	22519	21407	20099	20150	20395
Webster	172218	166010	156446	152977	141703	132770	121447	113128	105093	100187	98265
Winnebago	45022	42910	40700	39483	36124	35553	32334	30338	28215	26644	25839
Winneshiek	63779	60535	58196	56692	51367	47435	43677	41359	38665	36972	36145
Woodbury	367611	352270	336041	327970	315843	297146	270103	252933	242021	230902	226345
Worth	27262	26781	26257	27065	25403	24143	22724	20209	19331	18445	18241
Wright	62946	59518	55389	54941	51242	46079	42322	39938	37668	36443	35904
State of Iowa	10014630	9535386	9059081	8761532	8201104	7622194	7002911	6515509	6126643	5853434	5735270

Table 10. Adjusted Transfer Payments (1996 dollars in \$1,000) and Percentage of Total Personal Income from Transfer Payments in Iowa's Counties, 1986, 1991, 1995, and 1996.

County	Adjusted Transfer Payments (1996 \$s in \$1,000)				% of Total Personal Income from Transfer Payments			
	1996	1995	1991	1986	1996	1995	1991	1986
Adair	29410	29029	25395	25427	18.5	20.8	17.6	16.1
Adams	18863	18411	16345	16967	21.6	25.8	20.5	18.7
Allamakee	49003	47889	42019	40325	19.7	20.4	18.5	17.1
Appanoose	61940	59562	54999	56845	27.3	27.5	26.1	26.3
Audubon	26655	26258	24438	22783	18.6	20.3	18.2	16.8
Benton	74382	73057	65233	61392	14.5	15.3	15.9	14.3
Black Hawk	457369	453411	401534	391139	17.4	17.5	17.0	17.3
Boone	123151	121686	124339	103975	21.0	21.7	24.2	20.5
Bremer	74620	73059	63201	61622	15.1	15.4	14.8	14.9
Buchanan	67206	67637	61073	59841	16.5	17.8	16.7	17.5
Buena Vista	75706	72906	65809	61634	17.6	18.1	17.5	15.6
Butler	60289	60408	53001	49253	19.1	20.7	18.8	17.2
Calhoun	48035	47116	41784	40223	19.3	20.5	21.6	17.6
Carroll	78822	76781	68370	61619	16.4	17.0	16.3	14.1
Cass	64648	63411	54030	50768	22.0	22.8	19.8	17.0
Cedar	53797	51838	47247	44168	14.1	14.7	14.0	13.1
Cerro Gordo	187373	181798	163900	148759	18.1	18.2	17.6	15.8
Cherokee	53360	54120	46510	45264	18.9	20.5	17.4	16.4
Chickasaw	43979	43423	38776	38687	16.8	17.3	16.7	15.4
Clarke	32452	31739	28140	25455	25.6	26.9	21.8	19.0
Clay	63219	61695	53941	50864	15.8	16.5	16.3	14.6
Clayton	67923	66286	60689	55620	18.7	19.8	18.9	16.6
Clinton	201484	196211	177061	163046	18.9	19.2	18.3	17.0
Crawford	62678	61973	53575	47910	18.7	19.5	18.2	15.5
Dallas	105544	102862	88905	85284	12.7	13.2	13.8	14.2
Davis	31039	30166	27003	26525	20.7	22.2	20.6	20.4
Decatur	32783	32127	29569	28777	28.0	29.7	25.6	22.8
Delaware	52991	50819	45732	42382	15.1	16.3	14.8	13.1
Des Moines	165959	161706	147573	137379	18.0	17.9	17.2	16.0
Dickinson	62950	61661	55816	49009	15.9	16.6	17.2	16.2
Dubuque	295333	282843	248719	236879	15.1	14.7	14.6	14.5
Emmet	48897	49227	42374	39527	21.5	22.7	21.1	18.3
Fayette	82413	80114	70124	69294	20.4	21.1	19.5	18.5
Floyd	67324	68242	61399	57209	19.6	20.9	19.4	17.5
Franklin	40334	39816	37381	34618	16.8	18.5	19.2	14.4
Fremont	32553	32671	28316	29014	20.1	24.0	20.8	17.0
Greene	43862	43710	38382	35648	19.3	20.6	20.6	16.6
Grundy	38907	37956	35361	35961	14.0	13.7	14.3	13.9
Guthrie	45185	44460	40621	39268	19.4	21.1	20.0	19.3
Hamilton	58654	59437	52881	50576	15.3	16.7	16.3	14.5
Hancock	43814	43605	38907	34494	17.8	19.4	19.2	13.7
Hardin	79145	77549	70896	66686	18.8	19.4	19.4	16.4
Harrison	61741	62356	54187	50088	20.9	24.0	22.6	19.2
Henry	64391	62964	58613	53354	15.7	16.2	16.2	15.3
Howard	34721	34073	31644	29515	17.3	18.3	18.9	16.0
Humboldt	44684	43384	39664	35331	18.2	19.2	20.7	16.5
Ida	26994	26067	23495	24201	16.3	17.1	16.1	15.1
Iowa	46291	46135	40918	39916	13.4	14.4	13.6	14.0
Jackson	75279	72117	63198	60634	20.9	21.0	19.2	17.6
Jasper	128949	124483	109177	100836	15.9	16.1	15.3	14.0

Table 10. Adjusted Transfer Payments (1996 dollars in \$1,000) and Percentage of Total Personal Income from Transfer Payments in Iowa's Counties, 1986, 1991, 1995, and 1996 (continued).

County	Adjusted Transfer Payments (1996 \$s in \$1,000)				% of Total Personal Income from Transfer Payments			
	1996	1995	1991	1986	1996	1995	1991	1986
Jefferson	52878	51844	45485	42956	15.3	16.3	15.5	14.4
Johnson	217729	209725	177354	149906	9.0	8.9	8.6	8.4
Jones	56686	55978	49198	49293	16.3	17.3	15.8	15.8
Keokuk	48507	46091	42175	41653	22.1	23.5	20.7	18.3
Kossuth	62889	62987	56927	54643	17.2	18.6	18.8	13.9
Lee	151401	148762	134784	128859	19.4	19.6	18.6	17.1
Linn	558832	546256	478077	431425	12.2	12.2	12.1	12.0
Louisa	34796	34370	32587	30898	16.2	16.6	16.2	14.6
Lucas	36791	36124	34115	34833	23.6	24.4	21.4	20.4
Lyon	38793	36682	33679	30456	16.2	17.4	16.4	14.3
Madison	44929	44146	37488	36959	16.3	17.4	16.4	16.2
Mahaska	77483	76573	72657	67285	18.2	19.0	18.8	16.5
Marion	110206	107513	96091	89878	16.3	16.7	16.5	15.4
Marshall	149627	146539	127573	120740	17.7	17.3	15.9	15.1
Mills	88046	87361	90431	66666	27.4	29.6	31.6	23.7
Mitchell	42472	41010	36132	34610	16.8	17.4	16.5	14.7
Monona	48701	48140	43624	39556	24.8	27.9	27.1	21.1
Monroe	34917	35429	32463	33161	23.2	24.8	22.5	23.8
Montgomery	57204	55907	47188	45124	22.0	23.9	19.9	19.0
Muscatine	132511	128367	113399	106352	13.3	13.4	13.3	12.8
O'Brien	60310	58744	50884	47971	18.1	19.0	17.1	15.1
Osceola	24135	23905	22229	21348	16.0	17.3	16.8	16.2
Page	69936	68662	63455	60894	19.6	21.1	19.9	18.0
Palo Alto	43669	42920	38448	36071	20.2	22.4	22.5	16.9
Plymouth	73620	73563	65221	60711	14.4	15.3	14.3	13.9
Pocahontas	38396	38020	34024	32052	20.0	21.8	21.1	15.4
Polk	1154509	1119006	986205	896144	11.9	11.9	11.9	12.4
Pottawattamie	316324	312494	276524	257153	18.4	19.0	18.2	16.4
Poweshiek	64438	62579	53624	51360	15.8	15.9	14.4	13.9
Ringgold	24344	23279	21335	18922	28.4	31.4	25.7	20.2
Sac	50276	49140	45195	40613	20.6	22.7	21.3	16.3
Scott	541975	541160	468188	425719	15.1	15.4	14.3	13.6
Shelby	51906	50965	41060	38917	19.2	20.7	16.8	15.9
Sioux	86707	84186	73517	69937	13.6	14.2	13.5	13.1
Story	195464	190772	168226	148651	11.8	11.9	11.8	11.1
Tama	65069	64049	58285	54308	18.4	18.5	18.3	15.8
Taylor	27544	26904	26603	25959	24.6	28.1	25.4	21.0
Union	52363	51152	45840	46028	22.5	23.4	21.1	20.4
Van Buren	31408	30789	27721	25563	23.2	26.2	23.2	21.3
Wapello	159352	155813	141142	143244	23.2	23.3	21.9	22.5
Warren	108277	106625	88454	78244	13.1	13.4	12.6	12.2
Washington	71489	68944	63391	56131	16.3	16.7	16.5	14.3
Wayne	31782	30876	27846	28953	28.8	31.1	26.3	22.5
Webster	172218	170848	152425	139497	19.6	20.0	19.9	17.9
Winnebago	45022	44160	40816	36681	16.8	17.4	18.0	13.9
Winneshiek	63779	62299	54457	51312	15.3	15.8	14.6	14.3
Woodbury	367611	362536	341135	321320	16.0	16.3	17.5	17.0
Worth	27262	27561	27717	25895	16.6	17.4	19.7	16.3
Wright	62946	61252	52900	50969	20.0	20.5	20.9	17.0
State of Iowa	10014630	9813261	8750561	8141813	15.7	16.1	15.7	14.9

increased each year from 1986 to 1996; the gain was 75.3 percent during this period. All counties reported increases as well. Nonfarm earnings tend to follow the distribution of population; counties with greater numbers of residents generally have higher nonfarm earnings. Polk's nonfarm earnings of \$6.9 billion is more than twice that of Linn's \$3.2 billion; Black Hawk, Dubuque, Johnson, Pottawattamie, Scott, Story, and Woodbury also reported earnings in this category of at least \$1 billion in 1996. Adams, Ringgold, Taylor, and Wayne were the only counties with nonfarm earnings of less than \$50 million in 1996, although another 20 were under \$100 million that year.

Although the state had an inflation-adjusted increase in nonfarm earnings of \$7.4 billion (23.5%) from 1986 to 1996, four counties had lower nonfarm earnings in the later year after inflation was factored into the calculations (Table 4). The decrease of \$9.2 million in Lucas far surpassed drops of \$3.7 million in Wayne, \$3.2 million in Decatur, and \$1.7 million in Fremont. In the remaining 95 counties, changes in nonfarm earnings exceeded the rate of inflation. Polk's increase of \$1.9 billion was followed by a \$761 million gain in Linn. Nine others reported at least \$100 million more in adjusted nonfarm earnings in 1996 than in 1986. Inflation-adjusted changes in nonfarm earnings across counties range from a decline of 10.1 percent in Lucas to a gain of 54.0 percent in Dickinson when 1986 and 1996 were compared.

In 1986, nonfarm earnings accounted for 57.9 percent of total personal income in Iowa. This percentage increased somewhat between that year and 1996, when the figure was 61.2 percent (Table 4, Figure 1). Substantial differences occurred across counties, however (Figure 2). In 1996, for example, more than 70 percent of total income was derived from nonfarm earnings in Johnson, Linn, Polk, and Warren counties, while this source of income accounted for less than half of the total in 38 counties. Ten years earlier, nonfarm earnings accounted for more than 70 percent of total income only in Johnson and Warren; it was less than half of the total in 56 counties. Overall, nonfarm earnings were a larger portion of total earnings in 1996 than in 1986 in all counties but Crawford, Lucas, Muscatine, and Scott.

Farm Earnings

Iowa's farm earnings totaled \$3.0 billion in 1996 (Table 5). Farm earnings declined in 5 of the 10 year-to-year comparisons. Although farm earnings dropped \$554 million between 1990 and 1991, they increased by \$684 million between 1991 and 1992, only to decline again by nearly \$1.7 billion between 1992 and 1993, a year when flooding greatly affected farms. That was followed by one of the best years for farm income in the 11 years examined. In 1995, farm earnings again dropped to \$1.5 billion only to rebound to a record \$3.0 billion in 1996.

Farm earnings were negative in 27 counties in 1993 (earnings can be negative because losses can exceed gains in a particular year). That didn't occur in any county in 1994, although it happened in 18 counties in 1995 and three in 1996. Inflation-adjusted farm earnings (Table 6) also show significant year-to-year variations.

Farm earnings constituted a relatively small percentage of Iowa's total personal income in the 1986-1996 period (Table 6, Figure 1). The 5.0 percent reported for 1986 was the highest. In 1996, farm earnings accounted for 4.8 percent of total income in the state. Earnings from farms were at least 10 percent of total income in 43 counties that year, with Lyon, Osceola, and Pocahontas the only ones in which farm earnings accounted for more than 20 percent of total income (Figure 2).

Dividends, Interest, and Rent

Income from dividends, interest, and rent decreased from 1986 to 1987 and increased since then to 1996's figure of \$11.6 billion (Table 7). Over the period, income from this source increased by \$3.1 billion. In 1996, dividends, interest, and rent provided income exceeding \$1.5 billion in Polk and more than \$500 million in Linn and Scott. It was at least \$100 million in another 22 counties.

After adjustments are made for inflation, income from dividends, interest, and rent was nearly half a billion dollars lower in 1996 than 10 years earlier (Table 8). The percentage that income from this source constituted of total personal income declined during this period. In 1986, 22.2 percent of total

personal income came from dividends, interest, and rent (Table 8). Percentages decreased relatively steadily from that point to 18.3 percent in 1996 (Figure 1). This was the trend throughout the state except for Lucas and Muscatine counties.

Again, differences occur across counties (Figure 2). In 1996, dividends, interest, and rent accounted for at least 25.0 percent of total personal income in four counties (Calhoun, Cass, Crawford, Lucas). In Harrison, Louisa, Madison, Mills, Pottawattamie, and Warren, however, less than 15.0 percent of total income came from dividends, interest, and rent in 1996.

Transfer Payments

The final category of income includes transfer payments, which increased annually from \$5.7 billion in 1986 to \$10.0 billion 10 years later (Table 9). Twenty-two counties listed at least \$100 million in transfer payments in 1996, although only Polk reported a total greater than \$1 billion. Adams (\$18.9 million) was the only county with less than \$20 million in transfer payments.

Substantial gains occurred among transfer payments even after controlling for inflation (Table 10). These payments increased 23.0 percent from 1986 to 1996, with annual gains occurring from 1986 to 1996. Although it has fluctuated, the percentage of total personal income that comes from transfer payments also has increased (Table 10). The 1986 figure of 14.9 percent increased to 15.7 percent in 1996 (Figure 1).

Only in Johnson (9.0%) did less than 10 percent of total personal income come from transfer payments in 1996 (Figure 2). Appanoose, Clarke, Decatur, Mills, Ringgold, and Wayne were the only counties with at least 25 percent of income generated by this source. Caution is urged in interpreting these and all numbers and percentages in this report, of course; the location of a state institution in Mills could have influenced these results, for example.

Concluding Comments

In 1996, 61.2 percent of total statewide personal income came from nonfarm earnings; 4.8 percent from farm earnings; 18.3 percent from dividends, interest, and rent; and 15.7 percent from transfer payments (Figure 1). The percentages for 1986 were 57.9, 5.0, 22.2, and 14.9, respectively. While nonfarm earnings and transfer payments increased their shares, the percentages of income derived from farm earnings and dividends, interest, and rent declined.

Figure 1. Percent of personal income from selected sources, 1986-1996.

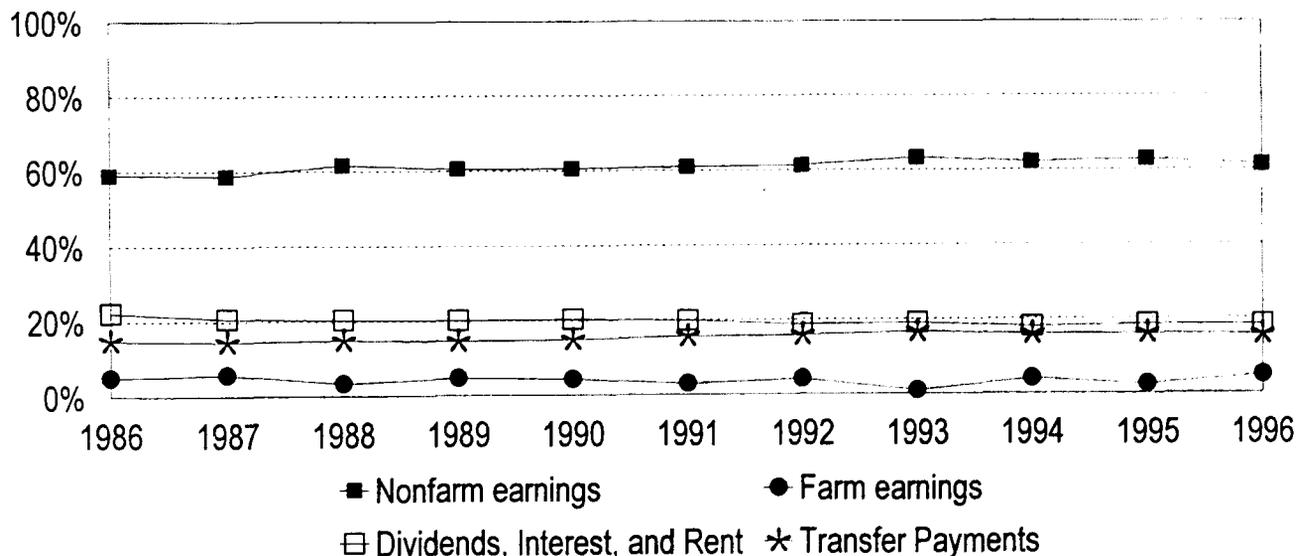
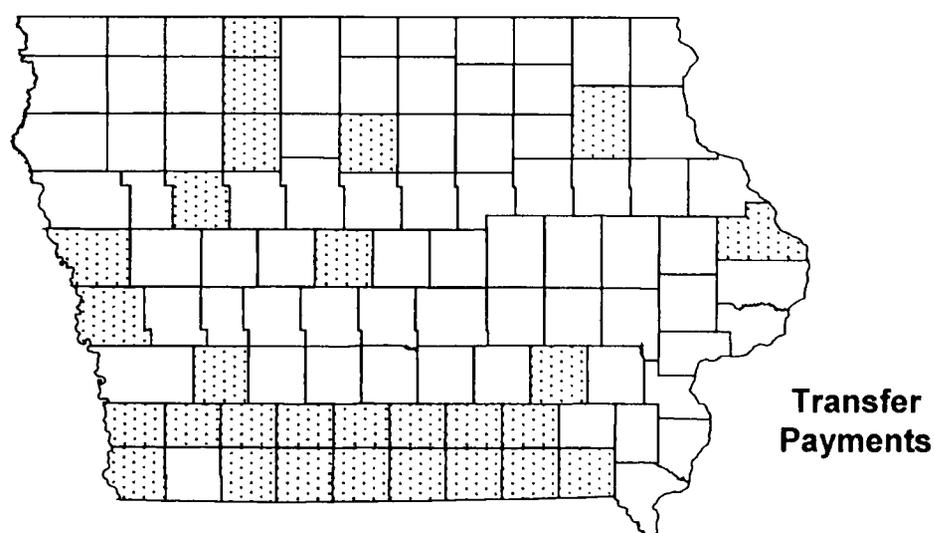
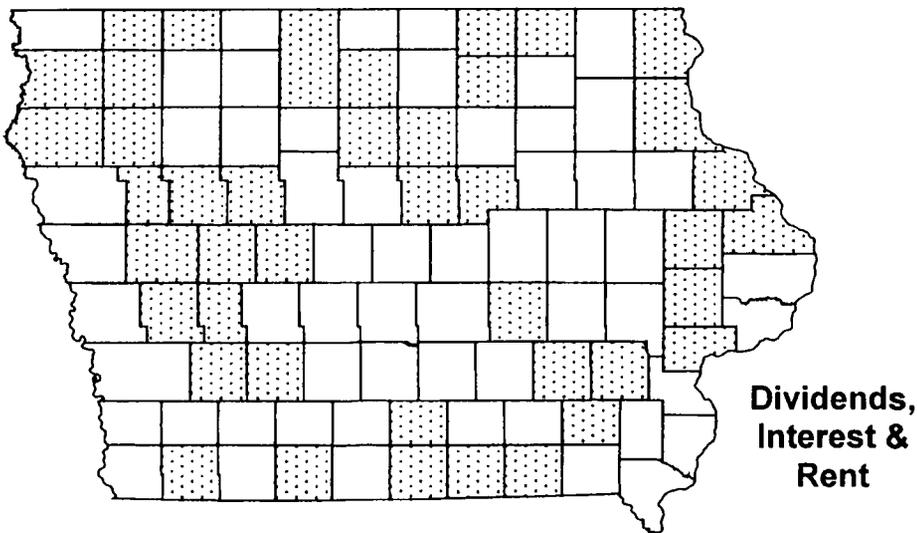
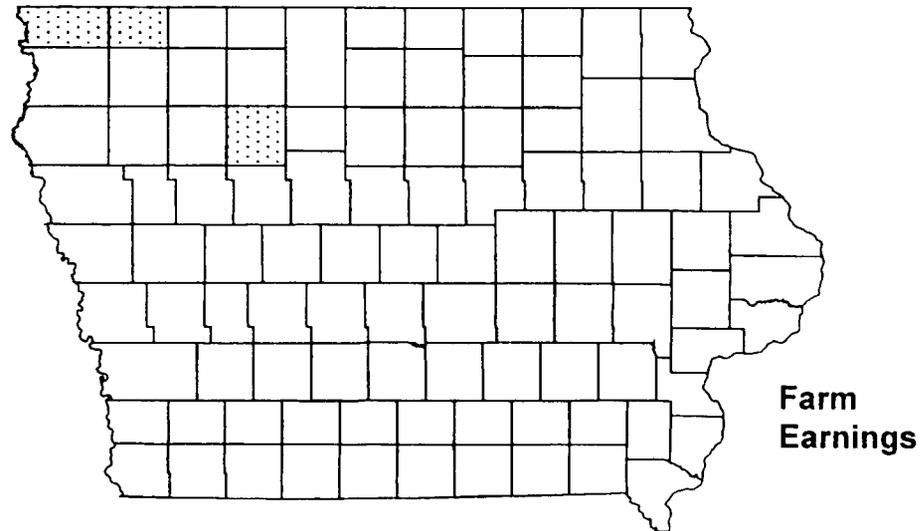
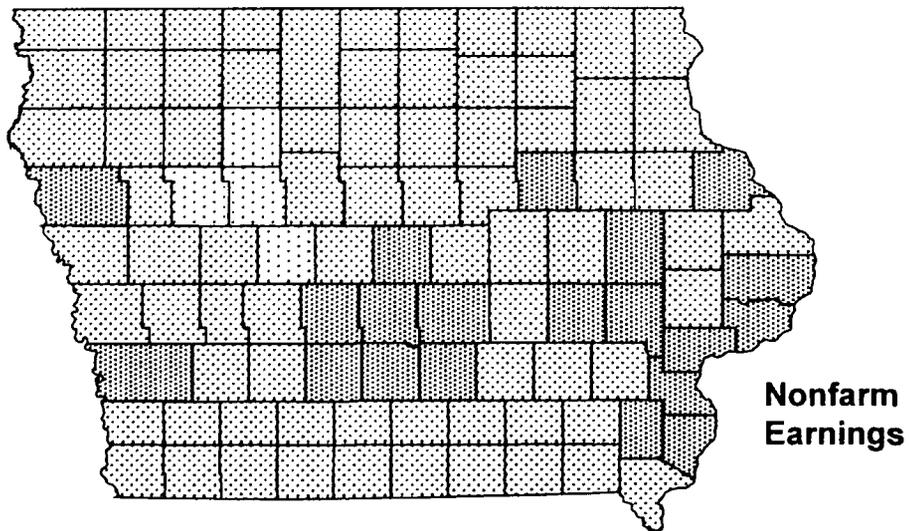


Figure 2. Percent of personal income from selected sources, Iowa, 1996.



60.0% or more
 40.0%–59.9%
 20.0%–39.9%
 Less than 20.0%

Government Payments to Individuals in Iowa's Counties: 1986, 1991, 1995, and 1996

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

Total Transfer Payments

Transfer payments totaled nearly \$9.5 billion in 1996 (Table 1), up from \$9.0 billion in 1995 (Table 2), \$7.2 billion in 1991 (Table 3), and \$5.3 billion in 1986 (Table 4). When inflation is taken into account, however, the increases are less substantial. The increase from 1986 to 1996 in unadjusted dollars was \$4.1 billion (77.0%); after including inflation, the increase was \$1.9 billion (24.7%).

Total transfer payments generally were correlated with population size; counties with larger numbers of residents received substantially greater amounts than those with smaller populations. Polk, for example, reported \$1.1 billion in government payments to individuals in 1996, while Adams noted \$18 million; these counties have the highest and lowest populations in the state. Twenty other counties had at least \$100 million in transfer payments in 1996, with Black Hawk, Linn, and Scott in the \$400-\$525 million range. Totals in 41 counties plus Adams were below \$50 million, although Osceola and Ringgold were the only ones joining Adams with less than \$25 million received through transfer payments in 1996.

After adjusting for inflation, all counties received higher transfer payments in 1996 than in 1986. In Appanoose, Grundy, Lucas, Monroe, Taylor, and Worth, gains were less than 10 percent; increases exceeded 40 percent in Johnson and Warren.

Retirement and Disability Payments

More than half (56.6%; \$5.4 billion) of total government payments to individuals in Iowa arrived through retirement and disability payments, with OASDI (Social Security) alone accounting for 46.1 percent (\$4.4 billion) of the total in 1996 (Table 1). In 1986, 61.2 percent of the total transfer payments came from the two categories of retirement and disability payments; in that year, half (50.7%) of the total came from OASDI alone (Table 4). Unadjusted OASDI payments increased by 60.8 percent between 1986 and 1996; after adjusting for inflation, however, the increase was 13.3 percent.

Table 1. Government Payments (in \$1,000s) to Individuals in Iowa's Counties, 1996.

County	Total	OASDI*	Other Retirement/ Disability Payments	Medicare	Other Medical Payments	Income Maintenance Benefit Payments	Unemployment Insurance Benefit Payments	Veterans Benefit Payments	Other Payments
Adair	27814	14073	2085	4912	3563	2098	437	488	127
Adams	17993	8817	1559	3299	2022	1473	431	306	69
Allamakee	46289	24625	3165	7321	5944	2777	1240	947	270
Appanoose	59302	23980	6985	9770	8967	6643	1074	1623	260
Audubon	25322	12527	1615	5481	3399	1242	482	445	107
Benton	69674	35106	6487	13516	7029	4108	1494	1465	469
Black Hawk	433630	186684	35089	77479	66987	42146	7980	7608	9657
Boone	118179	42744	11911	14630	40775	4742	1147	1735	495
Bremer	70124	35927	5611	14450	7728	3147	1001	1159	1101
Buchanan	63102	31420	4798	11895	7661	4614	1246	1061	407
Buena Vista	71847	37057	4599	13191	9674	3263	821	1259	1983
Butler	57238	29161	3535	12332	7066	2637	1351	854	302
Calhoun	45820	24169	2950	9175	5737	2128	579	862	177
Carroll	74652	38053	5221	13916	11296	3219	1302	1233	412
Cass	61751	31222	4008	12278	7832	3629	1378	1117	287
Cedar	50363	24550	4872	9766	6244	2628	1087	873	343
Cerro Gordo	178387	87465	15617	31742	22646	10214	3955	3306	3442
Cherokee	50744	27340	3626	9449	6212	2290	679	888	260
Chickasaw	41375	20920	3211	8252	4382	2220	1364	768	258
Clarke	30868	14235	2429	5484	4609	2628	649	676	127
Clay	59821	29827	5298	10142	8419	3223	834	1306	772
Clayton	64276	31018	5173	12139	7806	3648	2958	1172	362
Clinton	191691	85707	19664	35522	27344	14474	4711	3124	1145
Crawford	59492	27064	4042	11664	10147	4090	1176	993	316
Dallas	99071	49438	12200	17926	10507	4502	1573	2278	647
Davis	29398	13525	2427	4705	4960	2413	588	619	130
Decatur	31196	13276	2127	4771	5708	3243	602	639	799
Delaware	49422	24075	3896	8688	5879	3632	1881	1017	354
Des Moines	157712	69806	18617	29013	18420	12369	4933	2887	1667
Dickinson	59915	35144	5086	10489	4542	2182	979	1192	301
Dubuque	278192	132106	22746	54373	34236	15855	9878	5177	3821
Emmet	46744	22480	3460	8737	7173	2219	689	955	989
Fayette	78172	35404	7681	14924	10922	5307	1554	1501	879
Floyd	64120	32107	3960	12579	7977	3865	1703	1613	316
Franklin	38193	20400	2750	6567	4605	2189	744	727	170
Fremont	31008	12898	2795	6395	5048	2410	644	666	123
Greene	41909	24129	2566	7039	3923	2453	743	861	157
Grundy	36525	19662	3395	7958	2597	1360	653	663	191
Guthrie	42977	22265	3236	8153	5261	2464	652	726	177
Hamilton	55532	28032	4695	12412	4753	3099	1171	1061	309
Hancock	41460	23679	2690	7247	4101	1893	590	629	586
Hardin	75533	37679	5175	14660	10235	3812	1352	1097	1523
Harrison	58805	24517	6129	11724	10206	3980	833	1123	293
Henry	60553	30508	5562	10322	7531	3578	1388	883	781
Howard	32823	16578	2050	6488	4302	1810	720	688	151
Humboldt	42679	23521	2688	8124	5138	1831	449	727	162
Ida	25419	12745	2161	5402	2830	1403	307	416	125
Iowa	43332	22251	3720	8594	4688	1925	958	901	295
Jackson	71395	32941	6894	14064	9026	4714	2183	1189	384
Jasper	122115	63073	9983	22417	15485	5948	2603	1920	686

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

Table 1. Government Payments (in \$1,000s) to Individuals in Iowa's Counties, 1996 (continued).

County	Total	OASDI*	Other Retirement/ Disability Payments	Medicare	Other Medical Payments	Income Maintenance Benefit Payments	Unemployment Insurance Benefit Payments	Veterans Benefit Payments	Other Payments
Jefferson	49614	23136	4264	8689	7111	3958	1050	818	588
Johnson	197966	84197	31909	30386	22132	12559	3903	4097	8783
Jones	52731	26020	4277	10632	5570	3419	1260	1160	393
Keokuk	46267	22590	2793	9549	5968	3265	967	913	179
Kossuth	59394	32831	3977	10681	6190	3335	779	1254	347
Lee	143854	62151	15251	28220	19174	10975	4352	2853	878
Linn	523956	250138	60845	85152	65978	32564	11217	10131	7931
Louisa	32494	14689	3334	5590	4220	2833	922	677	185
Lucas	35042	14941	3829	6484	4834	3245	696	839	141
Lyon	36485	18758	2291	6439	5870	1783	330	785	185
Madison	42302	19137	3810	8807	6110	2203	1069	905	261
Mahaska	73266	35358	6405	12652	8719	5737	1355	1770	1270
Marion	104165	47238	16060	17599	10305	5396	1842	3878	1847
Marshall	142132	66567	12419	22172	20108	9134	2465	7728	1539
Mills	85351	19087	6732	9828	44787	3088	395	1165	269
Mitchell	40319	22123	2662	8440	4075	1586	659	560	172
Monona	46773	22000	3293	10459	6601	2738	557	933	155
Monroe	33344	13232	4183	6857	4757	2390	585	1185	125
Montgomery	54905	27398	3982	11145	7070	2937	1351	795	183
Muscatine	124527	61685	12056	19359	15265	10158	3332	1876	796
O'Brien	57377	31050	3421	10823	7518	2476	647	949	493
Osceola	22766	13415	1419	4655	1139	1189	331	481	110
Page	66699	32624	5331	12435	9227	4497	1047	1211	327
Palo Alto	41703	22826	2543	7882	5126	1956	514	661	157
Plymouth	68909	39972	5717	13546	2994	3137	1363	1241	939
Pocahontas	36646	19349	2380	7744	4015	1820	409	756	140
Polk	1085903	450618	145480	185109	154751	84403	24197	26890	14455
Pottawattamie	299933	117247	52452	54329	37948	24704	2949	6794	3510
Poweshiek	60766	30211	5286	12298	6047	3379	1570	1258	717
Ringgold	23309	11095	1805	4117	3433	1946	283	528	82
Sac	47950	25547	2927	8673	5339	2221	2197	817	185
Scott	511410	202749	91821	74735	64990	52167	9639	8023	7286
Shelby	49377	25466	2851	11766	4857	2561	848	777	202
Sioux	80659	42912	5638	15840	8113	3468	1309	1266	2113
Story	181008	77653	27241	32488	17122	8503	2438	2988	12575
Tama	61634	32066	4846	11835	7109	3205	1171	944	458
Taylor	26159	12639	1689	5133	3035	2147	725	653	111
Union	49940	21585	5848	8940	6938	4180	942	869	592
Van Buren	29903	15355	2025	5977	3200	2101	554	541	121
Wapello	152416	63705	16368	27370	22371	14156	3101	3773	1572
Warren	100698	47380	13681	16874	12304	4575	1802	2774	1308
Washington	67503	32747	5453	13074	9670	3817	1388	957	397
Wayne	30459	13503	2516	6345	4059	2624	578	704	106
Webster	164670	78351	13689	30713	22425	11462	2582	2953	2495
Winnebago	42711	23881	3380	8038	4596	1667	371	549	185
Winneshiek	59717	30910	5121	10276	6304	2826	1335	1073	1872
Woodbury	347770	149800	38592	60174	53463	26474	6877	6951	5439
Worth	25738	12955	2787	4967	2394	1143	814	527	122
Wright	60175	31261	4800	11605	7685	2736	900	913	275
State of Iowa	9462749	4358078	993718	1688477	1276558	638580	191713	190566	125059

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

Table 2. Government Payments (in 1995 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1995.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$
Adair	26669	27446	13887	14292	1926	1982	4791	4931	3175	3268	1820	1873	430	443	480	494	139	143
Adams	17050	17547	8671	8924	1492	1535	3209	3303	1847	1901	1314	1352	145	149	284	292	76	78
Allamakee	43918	45198	23766	24459	3092	3182	6739	6935	5246	5399	2691	2769	1218	1253	892	918	238	245
Appanoose	55339	56952	23436	24119	6986	7190	9288	9559	6795	6993	6052	6228	1025	1055	1494	1538	228	235
Audubon	24232	24938	12157	12511	1375	1415	5115	5264	3494	3596	1121	1154	425	437	412	424	116	119
Benton	66502	68440	33995	34986	6205	6386	12552	12918	6483	6672	3905	4019	1460	1503	1435	1477	467	481
Black Hawk	417742	429916	181130	186408	33284	34254	72214	74318	66494	68432	39915	41078	7631	7853	7616	7838	9458	9734
Boone	113491	116798	41537	42747	11652	11992	13704	14103	38612	39737	4542	4674	1156	1190	1793	1845	495	509
Bremer	66674	68617	34853	35869	5281	5435	13470	13863	6811	7009	3016	3104	991	1020	1168	1202	1084	1116
Buchanan	61776	63576	30751	31647	4578	4711	11384	11716	8127	8364	4352	4479	1127	1160	1047	1078	410	422
Buena Vista	67122	69078	36005	37054	4367	4494	12347	12707	7483	7701	2933	3018	755	777	1291	1329	1941	1998
Butler	55767	57392	28206	29028	3352	3450	11427	11760	7882	8112	2538	2612	1268	1305	787	810	266	274
Calhoun	43648	44920	23502	24187	2739	2819	8623	8874	5271	5425	1939	1996	516	531	835	859	194	200
Carroll	70595	72652	36794	37866	4968	5113	12867	13242	9851	10138	3179	3272	1357	1397	1160	1194	419	431
Cass	58827	60541	30379	31264	3790	3900	11541	11877	7138	7346	3506	3608	1151	1185	1032	1062	253	260
Cedar	47082	48454	23849	24544	4660	4796	9136	9402	4981	5126	2510	2583	784	807	818	842	299	308
Cerro Gordo	168004	172900	84136	86588	14702	15130	29070	29917	20468	21064	9673	9955	3247	3342	3333	3430	3375	3473
Cherokee	50057	51516	26391	27160	3584	3688	8700	8954	7447	7664	2198	2262	620	638	851	876	231	238
Chickasaw	39696	40853	20359	20952	3071	3160	7766	7992	4219	4342	2085	2146	1185	1220	751	773	226	233
Clarke	29326	30181	13814	14217	2213	2277	5115	5264	4299	4424	2418	2488	681	701	628	646	137	141
Clay	56683	58335	28811	29651	5078	5226	9349	9621	7463	7680	3156	3248	852	877	1211	1246	718	739
Clayton	60913	62688	30109	30986	4909	5052	11337	11667	7307	7520	3311	3407	2435	2506	1141	1174	317	326
Clinton	181191	186471	83102	85524	18602	19144	33061	34024	23956	24654	13798	14200	4528	4660	2990	3077	1154	1188
Crawford	57154	58820	26152	26914	3862	3975	10762	11076	10286	10586	3718	3826	1139	1172	914	941	279	287
Dallas	93825	96559	47968	49366	11487	11822	16727	17214	8844	9102	4541	4673	1516	1560	2106	2167	636	655
Davis	27729	28537	13255	13641	2352	2421	4542	4674	3859	3971	2409	2479	594	611	554	570	143	147
Decatur	29686	30551	12884	13259	2076	2136	4453	4583	5230	5382	2899	2983	699	719	633	651	791	814
Delaware	45956	47295	23098	23771	3587	3692	7927	8158	5432	5590	3277	3372	1384	1424	894	920	311	320
Des Moines	149192	153540	67378	69341	18110	18638	26701	27479	16663	17149	11554	11891	4287	4412	2850	2933	1649	1697
Dickinson	57010	58671	33947	34936	4817	4957	9669	9951	4262	4386	2060	2120	946	974	1006	1035	263	271
Dubuque	258366	265895	127130	130835	21711	22344	49822	51274	30052	30928	14760	15190	6146	6325	4976	5121	3769	3879
Emmet	45757	47090	21708	22341	3349	3447	8049	8284	7803	8030	2152	2215	704	725	982	1011	981	1010
Fayette	73776	75926	34194	35190	7474	7692	13755	14156	9944	10234	4553	4686	1555	1600	1432	1474	869	894

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

Table 2. Government Payments (in 1995 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1995 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$
Floyd	63224	65066	31266	32177	3746	3855	11877	12223	9119	9385	3774	3884	1628	1675	1491	1534	281	289
Franklin	36633	37701	19908	20488	2657	2734	6236	6418	4230	4353	2044	2104	660	679	685	705	185	190
Fremont	30248	31129	12769	13141	2475	2547	6279	6462	5114	5263	2314	2381	520	535	621	639	136	140
Greene	40606	41789	23356	24037	2687	2765	6526	6716	3805	3916	2331	2399	905	931	802	825	169	174
Grundy	34601	35609	19060	19615	3326	3423	7408	7624	2080	2141	1224	1260	629	647	637	656	206	212
Guthrie	41085	42282	21448	22073	2986	3073	7486	7704	5308	5463	2327	2395	602	620	708	729	191	197
Hamilton	54737	56332	27154	27945	4528	4660	11519	11855	5859	6030	2900	2985	1470	1513	992	1021	274	282
Hancock	40109	41278	23072	23744	2597	2673	6853	7053	4057	4175	1692	1741	603	621	614	632	590	607
Hardin	71874	73969	36380	37440	4978	5123	13509	13903	9476	9752	3909	4023	1288	1326	1052	1083	1235	1271
Harrison	57782	59466	23757	24449	5779	5947	10907	11225	11536	11872	3550	3653	902	928	1057	1088	255	262
Henry	57492	59167	29515	30375	5242	5395	9556	9834	6828	7027	3423	3523	1294	1332	861	886	773	796
Howard	31284	32196	16160	16631	1943	2000	6127	6306	4000	4117	1659	1707	619	637	586	603	165	170
Humboldt	40231	41403	22615	23274	2558	2633	7435	7652	4541	4673	1784	1836	438	451	659	678	175	180
Ida	23804	24498	12353	12713	2139	2201	5033	5180	2169	2232	1284	1321	304	313	363	374	138	142
Iowa	42006	43230	21699	22331	3552	3656	8111	8347	4978	5123	1741	1792	794	817	836	860	256	263
Jackson	66344	68277	31794	32721	6614	6807	12949	13326	7253	7464	4388	4516	1839	1893	1119	1152	388	399
Jasper	114421	117755	60804	62576	9323	9595	20601	21201	13022	13401	5749	5917	2411	2481	1824	1877	687	707
Jefferson	47252	48629	22370	23022	4216	4339	8025	8259	6508	6698	3586	3691	1186	1221	778	801	540	556
Johnson	184813	190199	80678	83029	29829	30698	27658	28464	18031	18556	11609	11947	3593	3698	4828	4969	8587	8837
Jones	50612	52087	24943	25670	4182	4304	9694	9976	5798	5967	3253	3348	1229	1265	1119	1152	394	405
Keokuk	42629	43871	21716	22349	2629	2706	8735	8990	4747	4885	2883	2967	890	916	804	827	196	202
Kossuth	57831	59516	31999	32931	3743	3852	10107	10402	6483	6672	3158	3250	881	907	1108	1140	306	315
Lee	137273	141273	60296	62053	15093	15533	26274	27040	18339	18873	10192	10489	3469	3570	2728	2807	882	908
Linn	497362	511856	240183	247182	56981	58642	77800	80067	63689	65545	30793	31690	10313	10614	9800	10086	7803	8030
Louisa	31199	32108	14184	14597	3177	3270	5149	5299	4281	4406	2717	2796	782	805	681	701	199	205
Lucas	33421	34395	14525	14948	3688	3795	6071	6248	4271	4395	3158	3250	730	751	803	826	153	157
Lyon	33433	34407	18289	18822	2076	2136	6099	6277	4051	4169	1653	1701	316	325	720	741	200	206
Madison	40389	41566	18595	19137	3645	3751	8243	8483	5670	5835	2062	2122	1069	1100	845	870	226	233
Mahaska	70343	72393	34384	35386	6128	6307	11868	12214	8579	8829	5279	5433	1299	1337	1557	1602	1249	1285
Marion	98692	101568	45532	46859	15649	16105	16164	16635	9242	9511	5288	5442	1691	1740	3316	3413	1810	1863
Marshall	135196	139136	64356	66231	11488	11823	20466	21062	19643	20215	8630	8881	2148	2211	6961	7164	1504	1548
Mills	82321	84720	18268	18800	6104	6282	8924	9184	44292	45583	3011	3099	380	391	1075	1106	232	239
Mitchell	37783	38884	21390	22013	2525	2599	7801	8028	3298	3394	1457	1499	587	604	509	524	187	192

Table 2. Government Payments (in 1995 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1995 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$	1995\$	Adj to 1996\$
Monona	44924	46233	21359	21981	3180	3273	9806	10092	6393	6579	2596	2672	492	506	905	931	168	173
Monroe	32906	33865	12990	13369	4142	4263	6622	6815	4981	5126	2380	2449	594	611	1038	1068	138	142
Montgomery	52114	53633	26507	27279	3636	3742	10306	10606	7094	7301	2808	2890	771	793	764	786	199	205
Muscatine	117036	120447	59616	61353	11315	11645	17851	18371	13759	14160	9635	9916	2223	2288	1830	1883	807	831
O'Brien	54238	55819	30161	31040	3168	3260	10149	10445	6272	6455	2389	2459	673	693	931	958	456	469
Osceola	21916	22555	13030	13410	1408	1449	4365	4492	1089	1121	1068	1099	347	357	472	486	119	122
Page	63613	65467	31697	32621	4981	5126	11632	11971	8810	9067	4118	4238	884	910	1160	1194	283	291
Palo Alto	39814	40974	22146	22791	2422	2493	7357	7571	4507	4638	1999	2057	473	487	713	734	171	176
Plymouth	66981	68933	38507	39629	5360	5516	12435	12797	4425	4554	2869	2953	1288	1326	1173	1207	924	951
Pocahontas	35248	36275	18802	19350	2222	2287	7254	7465	4068	4187	1607	1654	465	479	653	672	154	158
Polk	1021714	1051488	434125	446776	136637	140619	169882	174833	139330	143390	81773	84156	19737	20312	26027	26785	14203	14617
Pottawattamie	287998	296391	112534	115813	50143	51604	49539	50983	39586	40740	23735	24427	2754	2834	6262	6444	3445	3545
Poweshiek	57283	58952	29106	29954	5168	5319	11293	11622	5417	5575	3180	3273	1205	1240	1205	1240	662	681
Ringgold	21627	22257	10701	11013	1682	1731	3785	3895	2909	2994	1719	1769	282	290	445	458	89	92
Sac	45509	46835	24831	25555	2803	2885	8127	8364	4690	4827	1950	2007	2046	2106	830	854	202	208
Scott	496530	511000	194948	200629	88218	90789	68374	70367	70848	72913	50010	51467	8606	8857	8376	8620	7150	7358
Shelby	47095	48467	24714	25434	2640	2717	10984	11304	4632	4767	2360	2429	801	824	712	733	219	225
Sioux	75983	78197	41239	42441	5200	5352	14482	14904	7481	7699	3126	3217	1167	1201	1213	1248	2075	2135
Story	171502	176500	74181	76343	25404	26144	29484	30343	15987	16453	8156	8394	2333	2401	3707	3815	12250	12607
Tama	58924	60641	31013	31917	4452	4582	10953	11272	7233	7444	3004	3092	991	1020	847	872	431	444
Taylor	24814	25537	12304	12663	1802	1855	4828	4969	2703	2782	1923	1979	508	523	608	626	120	123
Union	47392	48773	20848	21456	5650	5815	8238	8478	6486	6675	3931	4046	831	855	783	806	594	611
Van Buren	28473	29303	14846	15279	2031	2090	5524	5685	2845	2928	2018	2077	538	554	521	536	131	135
Wapello	144740	148958	62091	63900	15990	16456	25825	26578	19692	20266	13173	13557	2830	2912	3587	3692	1552	1597
Warren	96373	99181	45359	46681	12747	13118	15345	15792	12478	12842	4938	5082	1753	1804	2464	2536	1289	1327
Washington	63177	65018	31615	32536	5057	5204	12039	12390	8458	8704	3570	3674	1139	1172	902	928	397	409
Wayne	28730	29567	13193	13577	2484	2556	6052	6228	3402	3501	2356	2425	435	448	676	696	115	118
Webster	158723	163348	75833	78043	13158	13541	28434	29263	22018	22660	11308	11638	2792	2873	2726	2805	2454	2526
Winnebago	40693	41879	23042	23713	2977	3064	7400	7616	4518	4650	1544	1589	366	377	615	633	201	207
Winneshiek	56632	58282	29903	30774	4747	4885	9507	9784	5685	5851	2657	2734	1293	1331	1010	1039	1830	1883
Woodbury	333237	342948	145847	150097	36335	37394	56574	58223	52101	53619	25029	25758	5275	5429	6774	6971	5302	5457
Worth	25319	26057	12761	13133	2773	2854	4799	4939	2510	2583	1162	1196	675	695	488	502	132	136
Wright	56849	58506	30264	31146	4634	4769	10773	11087	6370	6556	2656	2733	1023	1053	850	875	243	250
State of Iowa	9005892	9268337	4212285	4335037	943580	971077	1562720	1608260	1206298	1241451	605464	623108	169016	173941	183602	188952	122927	126509

Table 3. Government Payments (in 1991 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1991.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$
Adair	20993	24101	11791	13537	1506	1729	3515	4035	2011	2309	1178	1352	372	427	538	618	69	79
Adams	13603	15617	7463	8568	1111	1275	2239	2570	1239	1422	947	1087	202	232	354	406	0	0
Allamakee	34742	39885	19878	22821	2614	3001	4979	5716	3691	4237	1470	1688	1221	1402	750	861	117	134
Appanoose	46064	52883	20163	23148	6625	7606	6595	7571	5289	6072	4640	5327	1149	1319	1466	1683	115	132
Audubon	20315	23322	10786	12383	1141	1310	4019	4614	2418	2776	832	955	347	398	701	805	60	69
Benton	53793	61756	28312	32503	4986	5724	9014	10348	5314	6101	3112	3573	1660	1906	1170	1343	188	216
Black Hawk	333045	382348	156896	180122	27242	31275	51728	59386	40720	46748	31427	36079	9184	10544	6191	7107	9657	11087
Boone	104904	120434	35912	41228	10125	11624	11610	13329	40239	46196	3658	4200	1511	1735	1599	1836	210	241
Bremer	51973	59667	28761	33019	4284	4918	9326	10707	4188	4808	2168	2489	1310	1504	955	1096	945	1085
Buchanan	50392	57852	25539	29320	3790	4351	8433	9681	6485	7445	3685	4231	1296	1488	957	1099	174	200
Buena Vista	54647	62737	32159	36920	3621	4157	8368	9607	4012	4606	2419	2777	661	759	1365	1567	2012	2310
Butler	44043	50563	25202	28933	2491	2860	7348	8436	4580	5258	2070	2376	1416	1626	778	893	133	153
Calhoun	34851	40010	19705	22622	2327	2671	5547	6368	4397	5048	1442	1655	477	548	842	967	96	110
Carroll	56680	65071	32426	37226	4057	4658	9142	10495	6108	7012	2257	2591	1319	1514	1160	1332	178	204
Cass	45044	51712	24668	28320	3040	3490	7275	8352	5242	6018	2372	2723	1294	1486	1003	1151	127	146
Cedar	38808	44553	21440	24614	3646	4186	6794	7800	3435	3944	1830	2101	828	951	662	760	146	168
Cerro Gordo	136448	156647	69697	80015	12129	13925	19771	22698	15651	17968	7939	9114	4745	5447	3110	3570	3406	3910
Cherokee	38627	44345	22355	25664	3327	3820	6005	6894	3870	4443	1508	1731	525	603	896	1029	119	137
Chickasaw	31999	36736	17045	19568	2218	2546	5951	6832	2953	3390	1472	1690	1469	1686	761	874	110	126
Clarke	23402	26866	12102	13894	1803	2070	3807	4371	2487	2855	1646	1890	846	971	630	723	68	78
Clay	44622	51228	24174	27753	3763	4320	6856	7871	4651	5340	2546	2923	871	1000	1089	1250	645	740
Clayton	50333	57784	25900	29734	4209	4832	8855	10166	5111	5868	2512	2884	2385	2738	1176	1350	157	180
Clinton	147388	169207	72734	83501	15015	17238	22781	26153	17268	19824	10966	12589	5212	5984	2703	3103	709	814
Crawford	44430	51007	22044	25307	3216	3692	7932	9106	6271	7199	2570	2950	1270	1458	961	1103	140	161
Dallas	73370	84231	37677	43255	9416	10810	12250	14063	6726	7722	3479	3994	1813	2081	1710	1963	251	288
Davis	22405	25722	11144	12794	1975	2267	3912	4491	2402	2758	1680	1929	692	794	518	595	69	79
Decatur	24664	28315	11207	12866	1818	2087	4158	4774	3231	3709	2084	2393	619	711	692	794	843	968
Delaware	37399	42935	19873	22815	2994	3437	5842	6707	3879	4453	2239	2570	1413	1622	979	1124	152	175
Des Moines	122803	140982	57774	66327	15003	17224	20068	23039	11761	13502	9144	10498	5123	5881	2528	2902	1402	1610
Dickinson	46579	53474	28360	32558	3752	4307	7822	8980	3033	3482	1519	1744	910	1045	1032	1185	128	147
Dubuque	205006	235354	105754	121410	17478	20065	34693	39829	18898	21696	11736	13473	8873	10187	4269	4901	3305	3794
Emmet	35353	40587	18106	20786	2712	3113	6053	6949	3923	4504	1820	2089	808	928	874	1003	1039	1193
Fayette	58130	66735	27912	32044	6313	7248	10246	11763	6230	7152	3726	4278	1677	1925	1283	1473	710	815

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

Table 3. Government Payments (in 1991 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1991 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$
Floyd	51221	58804	27093	31104	3177	3647	8393	9635	6083	6984	2900	3329	2119	2433	1289	1480	141	162
Franklin	31042	35637	17322	19886	2150	2468	5110	5866	3392	3894	1489	1709	792	909	674	774	95	109
Fremont	23570	27059	10692	12275	2281	2619	4845	5562	2882	3309	1482	1701	749	860	558	641	69	79
Greene	32083	36832	19605	22507	2208	2535	4639	5326	2356	2705	1501	1723	1055	1211	619	711	85	98
Grundy	29198	33520	17079	19607	2477	2844	5132	5892	2104	2415	1128	1295	565	649	595	683	100	115
Guthrie	33889	38906	19050	21870	2597	2981	5678	6519	3345	3840	1580	1814	781	897	747	858	93	107
Hamilton	43911	50411	22822	26201	3668	4211	8504	9763	4050	4650	2331	2676	1370	1573	1006	1155	135	155
Hancock	32215	36984	18437	21166	1991	2286	5615	6446	2736	3141	1299	1491	1030	1182	525	603	563	646
Hardin	59212	67978	33022	37910	3894	4470	9973	11449	5796	6654	2448	2810	1752	2011	1048	1203	1251	1436
Harrison	45230	51926	20290	23294	4693	5388	8673	9957	6667	7654	2724	3127	987	1133	1049	1204	124	142
Henry	48444	55616	25035	28741	4329	4970	8480	9735	5123	5881	2438	2799	1504	1727	882	1013	623	715
Howard	26241	30126	14259	16370	1594	1830	4813	5526	2982	3423	1328	1525	619	711	548	629	83	95
Humboldt	33118	38021	19815	22748	2083	2391	5333	6122	3268	3752	1260	1447	638	732	615	706	90	103
Ida	19354	22219	10178	11685	1705	1957	3564	4092	2272	2608	846	971	365	419	343	394	68	78
Iowa	33665	38649	18232	20931	2919	3351	6550	7520	3123	3585	1181	1356	782	898	731	839	124	142
Jackson	52381	60135	24836	28513	5744	6594	9316	10695	5624	6457	3561	4088	2031	2332	1073	1232	166	191
Jasper	90439	103827	49533	56866	7104	8156	15245	17502	9063	10405	4465	5126	2941	3376	1735	1992	353	405
Jefferson	37422	42962	19031	21848	3406	3910	5424	6227	4349	4993	2783	3195	1314	1509	647	743	442	507
Johnson	141509	162458	64171	73671	23109	26530	19291	22147	11585	13300	7731	8875	3205	3679	3392	3894	9025	10361
Jones	40227	46182	21684	24894	3194	3667	7631	8761	2942	3378	2162	2482	1337	1535	1084	1244	163	187
Keokuk	35177	40384	17923	20576	2355	2704	7034	8075	3682	4227	2312	2654	912	1047	844	969	97	111
Kossuth	47131	54108	27361	31411	3245	3725	7803	8958	3960	4546	2212	2539	1267	1455	1102	1265	153	176
Lee	112189	128797	51530	59158	12936	14851	18438	21168	12554	14412	8670	9953	4987	5725	2542	2918	532	611
Linn	393539	451797	198191	227531	44574	51173	56391	64739	38279	43946	26712	30666	14434	16571	8158	9366	6800	7807
Louisa	26826	30797	12784	14677	2574	2955	4270	4902	3600	4133	1957	2247	893	1025	633	727	97	111
Lucas	28494	32712	13275	15240	3279	3764	5200	5970	3139	3604	2013	2311	699	802	798	916	77	88
Lyon	27733	31839	16070	18449	1663	1909	5303	6088	2666	3061	935	1073	267	307	711	816	100	115
Madison	30967	35551	15525	17823	2904	3334	5317	6104	3573	4102	1608	1846	1145	1315	771	885	105	121
Mahaska	60409	69352	31717	36412	4985	5723	8512	9772	6749	7748	4253	4883	1503	1725	1496	1717	1161	1333
Marion	79655	91447	37615	43183	13566	15574	11867	13624	6442	7396	3933	4515	1744	2002	2755	3163	1686	1936
Marshall	106008	121701	55619	63853	8999	10331	15426	17710	9155	10510	6825	7835	2114	2427	6595	7571	1275	1464
Mills	76991	88389	14868	17069	4791	5500	5930	6808	47583	54627	2280	2618	405	465	1003	1151	110	126
Mitchell	30007	34449	18212	20908	2022	2321	5220	5993	2312	2654	950	1091	711	816	470	540	92	106

Table 3. Government Payments (in 1991 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1991 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$	1991\$	Adj to 1996\$
Monona	36663	42090	17893	20542	2871	3296	7294	8374	4724	5423	2203	2529	569	653	1010	1160	84	96
Monroe	27182	31206	11164	12817	4006	4599	5076	5827	3357	3854	1946	2234	708	813	846	971	67	77
Montgomery	39497	45344	21380	24545	3063	3516	7144	8202	4237	4864	1991	2286	791	908	773	887	100	115
Muscatine	93335	107152	47396	54412	9401	10793	13062	14996	10495	12049	7704	8844	3219	3696	1647	1891	411	472
O'Brien	42251	48506	24765	28431	2609	2995	7376	8468	4004	4597	1628	1869	510	585	971	1115	364	418
Osceola	18387	21109	11688	13418	1096	1258	2847	3268	1375	1579	635	729	315	362	360	413	60	69
Page	53013	60861	27350	31399	4475	5137	9507	10914	5606	6436	3534	4057	1302	1495	1063	1220	141	162
Palo Alto	32072	36820	18295	21003	1853	2127	5089	5842	3928	4509	1589	1824	544	625	670	769	89	102
Plymouth	53666	61611	31237	35861	4330	4971	8911	10230	4132	4744	2008	2305	1046	1201	1227	1409	738	847
Pocahontas	28377	32578	16972	19484	1738	1995	4756	5460	2667	3062	1131	1298	377	433	643	738	79	91
Polk	814447	935015	356303	409049	109282	125460	130221	149499	94587	108589	65662	75382	23739	27253	22539	25876	12114	13907
Pottawattamie	229751	263763	95046	109116	43741	50216	35843	41149	24184	27764	19017	21832	3538	4062	5406	6206	2976	3417
Poweshiek	44169	50708	23403	26868	3937	4520	8309	9539	3651	4191	2187	2511	1214	1394	874	1003	566	650
Ringgold	17860	20504	9183	10542	1354	1554	2872	3297	2468	2833	1216	1396	281	323	433	497	0	0
Sac	37736	43322	21308	24462	2420	2778	6002	6891	3649	4189	1456	1672	2013	2311	768	882	102	117
Scott	387248	444575	160540	184306	72683	83443	49699	57056	41345	47466	38973	44742	10710	12295	6886	7905	6412	7361
Shelby	33984	39015	18674	21438	2142	2459	6424	7375	3285	3771	1617	1856	1060	1217	652	749	110	126
Sioux	59999	68881	35059	40249	3795	4357	9717	11155	5252	6029	2061	2366	925	1062	1146	1316	1997	2293
Story	136602	156824	62430	71672	19989	22948	19612	22515	9886	11349	5483	6295	2796	3210	2727	3131	13679	15704
Tama	48439	55610	26444	30359	3509	4028	8609	9883	4983	5721	2512	2884	1157	1328	909	1044	316	363
Taylor	22224	25514	11573	13286	1638	1880	4218	4842	2274	2611	1375	1579	444	510	632	726	59	68
Union	38230	43889	17698	20318	4662	5352	6295	7227	4208	4831	2972	3412	959	1101	854	980	563	646
Van Buren	23109	26530	12520	14373	1633	1875	4618	5302	1973	2265	1312	1506	578	664	399	458	64	73
Wapello	118147	135637	54677	62771	13646	15666	18148	20835	12857	14760	10433	11977	3781	4341	3231	3709	1374	1577
Warren	72135	82814	34063	39106	9940	11411	11038	12672	8146	9352	3818	4383	2032	2333	2095	2405	1003	1151
Washington	52549	60328	28493	32711	3728	4280	9221	10586	6176	7090	2556	2934	1179	1354	1000	1148	166	191
Wayne	23311	26762	11400	13088	2111	2424	4935	5666	2261	2596	1487	1707	378	434	670	769	58	67
Webster	127371	146227	65598	75309	10854	12461	19123	21954	14791	16981	9090	10436	3017	3464	2483	2851	2415	2773
Winnebago	33947	38972	20674	23735	2138	2455	5288	6071	3258	3740	1227	1409	708	813	517	594	100	115
Winneshiek	44614	51219	24240	27828	3929	4511	6770	7772	3630	4167	1878	2156	1319	1514	946	1086	1869	2146
Woodbury	283831	325848	129079	148187	30558	35082	43096	49476	40340	46312	22289	25589	7007	8044	6470	7428	4992	5731
Worth	23087	26505	11594	13310	2489	2857	4193	4814	2302	2643	944	1084	1048	1203	440	505	65	75
Wright	44180	50720	24945	28638	4150	4764	7380	8473	3625	4162	2049	2352	1069	1227	819	940	120	138
State of Iowa	7247765	8320702	3550919	4076586	771733	885978	1144547	1313982	834805	958387	471373	541154	200848	230581	164846	189249	108694	124785

Table 4. Government Payments (in 1986 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1986.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$
Adair	16697	23703	9639	13684	1021	1449	2827	4013	915	1299	1339	1901	360	511	525	745	68	97
Adams	11240	15956	5975	8482	860	1221	2199	3122	697	989	885	1256	146	207	436	619	0	0
Allamakee	26418	37503	15277	21687	1762	2501	4311	6120	1643	2332	1664	2362	843	1197	801	1137	113	160
Appanoose	38102	54090	16722	23739	6041	8576	5470	7765	3275	4649	3954	5613	948	1346	1579	2242	109	155
Audubon	14961	21239	8983	12752	812	1153	2741	3891	803	1140	754	1070	355	504	449	637	61	87
Benton	40142	56986	22561	32028	3651	5183	6687	9493	2089	2966	2444	3470	1399	1986	1130	1604	175	248
Black Hawk	257798	365971	119756	170006	19399	27539	37038	52579	22540	31998	29939	42502	15608	22157	5633	7997	7847	11140
Boone	69733	98993	26724	37938	7659	10873	8776	12458	19702	27969	3277	4652	1812	2572	1579	2242	197	280
Bremer	40124	56960	23217	32959	2911	4132	6272	8904	1623	2304	2299	3264	1946	2763	1050	1491	799	1134
Buchanan	39211	55664	20325	28853	2542	3609	6208	8813	3950	5607	3470	4926	1491	2117	1054	1496	165	234
Buena Vista	40585	57615	24012	34088	2778	3944	5932	8421	1853	2631	2071	2940	981	1393	1290	1831	1662	2359
Butler	32423	46028	18857	26769	1737	2466	5761	8178	1907	2707	1952	2771	1225	1739	850	1207	129	183
Calhoun	26679	37874	16153	22931	1557	2210	4433	6293	1665	2364	1372	1948	526	747	876	1244	94	133
Carroll	40373	57314	23727	33683	3040	4316	6795	9646	2203	3127	1920	2726	1290	1831	1221	1733	171	243
Cass	33553	47632	19787	28090	2166	3075	5760	8177	1811	2571	1930	2740	996	1414	972	1380	126	179
Cedar	28624	40635	16636	23617	2509	3562	4727	6710	1645	2335	1429	2029	896	1272	635	901	141	200
Cerro Gordo	98159	139347	52149	74031	8945	12698	14170	20116	6229	8843	6725	9547	3768	5349	3390	4812	2769	3931
Cherokee	29816	42327	16464	23372	2462	3495	4723	6705	2491	3536	1524	2163	1094	1553	937	1330	117	166
Chickasaw	25266	35868	14163	20106	1528	2169	4682	6647	1158	1644	1516	2152	1342	1905	761	1080	112	159
Clarke	16802	23852	8596	12203	1293	1836	2801	3976	1420	2016	1435	2037	564	801	627	890	63	89
Clay	33292	47261	18141	25753	2622	3722	5081	7213	2239	3178	2499	3548	1029	1461	1127	1600	548	778
Clayton	36443	51735	19775	28073	2952	4191	6490	9213	2092	2970	2439	3462	1183	1679	1352	1919	154	219
Clinton	107585	152728	55103	78224	11895	16886	17860	25354	7074	10042	8718	12376	3543	5030	2807	3985	569	808
Crawford	31325	44469	17103	24279	2471	3508	5848	8302	1890	2683	2132	3027	792	1124	947	1344	137	194
Dallas	56061	79584	28334	40223	6519	9254	9984	14173	3439	4882	3432	4872	1977	2807	2141	3039	226	321
Davis	17478	24812	9022	12808	1402	1990	2946	4182	1139	1617	1389	1972	850	1207	659	936	68	97
Decatur	19044	27035	9213	13079	1308	1857	3389	4811	1597	2267	1636	2322	416	591	781	1109	701	995
Delaware	27304	38761	14631	20770	1866	2649	4225	5998	1754	2490	2590	3677	963	1367	1125	1597	144	204
Des Moines	90802	128903	45352	64382	11737	16662	12538	17799	6070	8617	7336	10414	3718	5278	2912	4134	1126	1598
Dickinson	32456	46075	19554	27759	2476	3515	5400	7666	1332	1891	1366	1939	1225	1739	982	1394	117	166
Dubuque	154716	219635	81087	115111	13145	18661	25708	36495	10081	14311	11832	16797	5542	7867	4627	6569	2667	3786
Emmet	26195	37187	13447	19089	1989	2824	4324	6138	1836	2606	1760	2499	1092	1550	884	1255	860	1221
Fayette	45601	64735	23151	32865	5027	7136	8139	11554	2556	3629	3146	4466	1649	2341	1315	1867	611	867

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

Table 4. Government Payments (in 1986 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1986 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$
Floyd	37821	53691	21508	30533	2216	3146	5790	8220	2438	3461	2954	4194	1432	2033	1338	1899	140	199
Franklin	22711	32241	13299	18879	1611	2287	3749	5322	1235	1753	1309	1858	738	1048	672	954	95	135
Fremont	19252	27330	10249	14550	1731	2457	3833	5441	1220	1732	1233	1750	338	480	578	821	67	95
Greene	23601	33504	14830	21053	1513	2148	3420	4855	1047	1486	1304	1851	596	846	802	1139	86	122
Grundy	23543	33422	14438	20496	1742	2473	4156	5900	990	1405	824	1170	650	923	638	906	101	143
Guthrie	26088	37035	14910	21166	1862	2643	4344	6167	1754	2490	1487	2111	700	994	939	1333	89	126
Hamilton	33325	47308	18600	26405	2563	3638	6645	9433	1711	2429	1726	2450	960	1363	984	1397	131	186
Hancock	22504	31947	13753	19524	1541	2188	3378	4795	1097	1557	1022	1451	756	1073	479	680	474	673
Hardin	44135	62654	26193	37184	2848	4043	7324	10397	2135	3031	2094	2973	1291	1833	1194	1695	1050	1491
Harrison	33193	47121	16332	23185	3331	4729	6786	9633	2635	3741	2127	3019	603	856	1257	1784	118	168
Henry	34958	49627	20202	28679	3186	4523	5323	7557	1920	2726	1868	2652	1118	1587	812	1153	523	742
Howard	19365	27491	10867	15427	1145	1625	3718	5278	1035	1469	1369	1943	504	715	643	913	81	115
Humboldt	23317	33101	14236	20209	1473	2091	3848	5463	1338	1899	1138	1616	643	913	549	779	89	126
Ida	15845	22494	9210	13075	1249	1773	2985	4238	940	1334	744	1056	234	332	413	586	67	95
Iowa	26039	36965	15684	22265	1933	2744	4491	6375	1160	1647	1031	1464	795	1129	824	1170	117	166
Jackson	39821	56530	19897	28246	4002	5681	7181	10194	2619	3718	3373	4788	1370	1945	1211	1719	162	230
Jasper	66233	94025	36304	51537	5332	7569	11282	16016	4448	6314	4404	6252	1967	2792	2214	3143	271	385
Jefferson	28033	39796	14976	21260	2669	3789	4005	5686	2013	2858	1824	2589	1377	1955	790	1121	374	531
Johnson	93152	132239	45220	64195	12687	18011	12146	17243	4046	5744	5684	8069	2842	4035	3416	4849	7083	10055
Jones	31992	45416	17751	25199	2317	3289	5537	7860	1835	2605	2363	3355	921	1307	1108	1573	154	219
Keokuk	27660	39266	15420	21890	2041	2897	4936	7007	1545	2193	1757	2494	870	1235	993	1410	95	135
Kossuth	35754	50757	21520	30550	2395	3400	6103	8664	1624	2305	1822	2587	1027	1458	1103	1566	154	219
Lee	85191	120938	40627	57674	10492	14894	13005	18462	6454	9162	7357	10444	4212	5979	2604	3697	427	606
Linn	281039	398964	143766	204091	32473	46099	38971	55323	18882	26805	23922	33960	11461	16270	6109	8672	5455	7744
Louisa	20163	28623	10690	15176	1938	2751	2893	4107	1582	2246	1696	2408	602	855	668	948	91	129
Lucas	23214	32955	11250	15971	2704	3839	4323	6137	1580	2243	1994	2831	464	659	820	1164	76	108
Lyon	19754	28043	12425	17639	1129	1603	3348	4753	892	1266	891	1265	311	441	659	936	96	136
Madison	24339	34552	12797	18167	1944	2760	4736	6723	1719	2440	1408	1999	877	1245	759	1077	96	136
Mahaska	44393	63020	23158	32875	3898	5534	6019	8545	3401	4828	3564	5059	1265	1796	2113	3000	969	1376
Marion	59263	84130	28050	39820	10577	15015	9202	13063	3227	4581	3424	4861	1060	1505	2317	3289	1397	1983
Marshall	79527	112897	42748	60685	6623	9402	9992	14185	4449	6316	5506	7816	2752	3907	6408	9097	1036	1471
Hills	45150	64095	12136	17228	3179	4513	4288	6087	21944	31152	2278	3234	617	876	602	855	102	145
Mitchell	22813	32385	14334	20349	1577	2239	3673	5214	1106	1570	944	1340	555	788	532	755	89	126

Table 4. Government Payments (in 1986 \$1,000s and adjusted to 1996 \$1,000s) to Individuals in Iowa's Counties, 1986 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$	1986\$	Adj to 1996\$
Monona	26407	37487	13614	19326	2180	3095	5200	7382	1823	2588	1923	2730	523	742	1058	1502	83	118
Monroe	22194	31507	9371	13303	3702	5255	3871	5495	1522	2161	1795	2548	951	1350	914	1298	65	92
Montgomery	30057	42669	16172	22958	2527	3587	6174	8765	1915	2719	1696	2408	620	880	853	1211	97	138
Muscatine	69348	98447	36110	51262	7110	10093	9830	13955	4593	6520	6664	9460	2683	3809	2032	2885	313	444
O'Brien	31577	44827	19321	27428	1940	2754	5457	7747	1406	1996	1627	2310	734	1042	769	1092	318	451
Osceola	13973	19836	8970	12734	737	1046	2203	3127	567	805	706	1002	348	494	379	538	60	85
Page	40457	57433	21904	31095	3266	4636	7218	10247	3015	4280	2814	3995	918	1303	1178	1672	138	196
Palo Alto	23817	33811	14081	19989	1339	1901	4164	5911	1351	1918	1594	2263	530	752	665	944	90	128
Plymouth	39529	56116	23334	33125	2665	3783	6749	9581	2077	2949	1952	2771	942	1337	1180	1675	623	884
Pocahontas	21137	30006	13541	19223	1223	1736	3275	4649	1066	1513	919	1305	417	592	611	867	82	116
Polk	588211	835027	264146	374983	78116	110894	92994	132015	50008	70992	51665	73344	20915	29691	20835	29577	9532	13532
Pottawattamie	169564	240714	68508	97254	34547	49043	26990	38315	13792	19579	14385	20421	3394	4818	5528	7848	2395	3400
Poweshiek	33594	47690	19241	27315	2937	4169	5691	8079	1662	2359	1943	2758	921	1307	714	1014	479	680
Ringgold	12550	17816	6571	9328	938	1332	2133	3028	1179	1674	1020	1448	237	336	426	605	0	0
Sac	26834	38094	16630	23608	1593	2261	4514	6408	1183	1679	1238	1757	723	1026	849	1205	100	142
Scott	278587	395483	116359	165184	51365	72918	38110	54101	22646	32148	30266	42966	9566	13580	5136	7291	5139	7295
Shelby	25484	36177	14763	20958	1629	2313	5045	7162	1254	1780	1292	1834	652	926	737	1046	108	153
Sioux	45104	64030	26638	37815	2464	3498	7493	10637	2181	3096	2043	2900	1288	1828	1330	1888	1658	2354
Story	94516	134175	46073	65405	11457	16264	12838	18225	3704	5258	4160	5906	2619	3718	2614	3711	11029	15657
Tama	35723	50713	20613	29262	2488	3532	5849	8303	2273	3227	2250	3194	1114	1581	977	1387	143	203
Taylor	17233	24464	9728	13810	1058	1502	3169	4499	1000	1420	1301	1847	316	449	600	852	59	84
Union	30614	43460	14777	20977	3497	4964	5106	7248	2237	3176	2718	3858	762	1082	1039	1475	474	673
Van Buren	16914	24011	9710	13784	1105	1569	3089	4385	784	1113	1243	1765	542	769	377	535	61	87
Wapello	95673	135818	43989	62447	10629	15089	15072	21396	7095	10072	8716	12373	5348	7592	3695	5245	1117	1586
Warren	50106	71131	23605	33510	6860	9738	7883	11191	3803	5399	3226	4580	1646	2337	2274	3228	797	1131
Washington	36831	52285	21659	30747	2648	3759	6067	8613	1994	2831	1969	2795	1404	1993	931	1322	153	217
Wayne	19351	27471	9904	14060	1748	2481	4087	5802	1243	1765	1399	1986	317	450	592	840	59	84
Webster	92474	131276	48692	69123	8117	11523	14019	19901	6371	9044	7380	10477	2967	4212	2953	4192	1962	2785
Winnebago	24109	34225	15102	21439	1491	2117	3963	5626	1178	1672	1044	1482	624	886	606	860	98	139
Winneshiek	33211	47146	17898	25408	2746	3898	5528	7848	1341	1904	1806	2564	1301	1847	1039	1475	1546	2195
Woodbury	212825	302127	98237	139458	23112	32810	35779	50792	20481	29075	18485	26241	7720	10959	5110	7254	3901	5538
Worth	17072	24235	9474	13449	2002	2842	2750	3904	894	1269	906	1286	548	778	430	610	65	92
Wright	33818	48008	19867	28203	3188	4526	5112	7257	1849	2625	1889	2682	909	1290	882	1252	118	168
State of Iowa	5347090	7590751	2709618	3846585	560427	795585	843097	1196864	398226	565323	402649	571602	181976	258334	163315	231843	87782	124616

At least \$100 million in OASDI payments were received in Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury in 1996. On the other hand, 23 counties reported payments of less than \$20 million, although Adams was the only one of these below \$10 million. While all counties had larger amounts in 1996 than in 1986, payments in 11 counties did not keep up with inflation.

Retirement payments other than OASDI totaled \$994 million in 1996, less than one-fourth the amount from Social Security. These other retirement benefits grew nearly 25 percent from the 1986 figures after taking inflation into consideration (Tables 1, 4).

Medical Payments

Medical payments to individuals totaled nearly \$3.0 billion in 1996, with more than half (56.9%, \$1.7 billion) related to Medicare and the remainder (\$1.3 billion) from other medical programs (Table 1). The two medical categories together accounted for 31.3 percent of government payments to individuals in Iowa in 1996. Ten years earlier, 23.2 percent of total transfer payments were from the two medical categories (Table 4). Thus, the percentage of total payments contributed by medical payments increased from 1986 to 1996 while it decreased for the retirement/disability payments. In addition, the two medical categories had the highest growth rates of any type of transfer payment, even after adjusting for inflation.

In 1996, Polk was the only county reporting at least \$100 million in either the Medicare or the other medical payment programs. Residents in Black Hawk, Linn, Scott, and Woodbury received at least \$50 million in each of them. All counties had larger amounts in both medical categories in 1996 than in 1986. Only in Decatur did Medicare fail to keep pace with inflation.

The four categories of retirement/disability and medical payments to individuals accounted for \$8.3 billion (or 87.9 %) of the \$9.5 billion of total transfer payments in 1996. For each year reported, at least 84 percent of transfer payments statewide came from these four categories as did more than three-fourths of the transfer payments to any county (Tables 1-4).

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

Income maintenance benefit payments exceeded \$638 million in 1996; they represent 6.7 percent of total government payments to individuals that year. Payments of income maintenance benefits increased from \$403 million in 1986 to \$471 million in 1991 and \$605 million in 1995. The statewide percentage gain from 1986 to 1996 was 11.7 percent after inflation was taken into account.

As with previous categories, these payments were higher in counties with larger numbers of residents. Fifteen counties noted income maintenance payments of at least \$10 million in 1996, with Polk highest at \$84.4 million. Payments to residents of less than \$2 million occurred in 16 counties; Worth was lowest at \$1.1 million. The dollar increases between 1986 and 1996 exceeded the effects of inflation in 80 counties.

Unemployment insurance benefit payments increased by nearly \$10 million when 1986 (\$182 million) and 1996 (\$192 million) were compared, although the 1991 figure (\$201 million) was larger than either. The \$169 million noted in 1995 was the lowest reported in Tables 1-4. Payments related to unemployment tend to change more dramatically than any of the other categories because they reflect annual changes in the economy.

Although statewide unemployment benefits were higher in 1996 than in 1986, 33 counties received lower payments of this type in the later year. In only 20 counties did increases match inflation.

Benefit payments for veterans increased when 1986, 1991, and 1996 were compared; this category accounted for only 2.0 percent (\$191 million) of all transfer payments in 1996. Seventy-one counties had higher veteran benefits in 1996 than in 1986, but in only six of these were payments larger after adjusting for inflation.

In each of the four years reported, the "other payments" category was the smallest, totaling \$125 million in 1996, an increase of \$37.3 million from 1986 (Tables 1-4). While Polk and Story each received more than \$12 million in 1996, 32 counties had less than \$200,000 in these payments.

In 1996, unemployment insurance benefit payments, benefit payments for veterans, and "other payments" generally varied across counties in manners similar to those for other payment categories. Some exceptions were evident. For example, Story County had an unusually high amount in the "other payment" category; that's because of federal education and training assistance payments that were received by residents. And Marshall County was relatively high on benefits for veterans, in part because of a facility located in that county. Usually, population size was the key, as counties with larger populations received higher totals in each category.

Note: Information on other categories of income received by individuals is reported in the previous section in this volume ("Personal Income in Iowa's Counties: 1986-1996").

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

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The U.S. Bureau of the Census provides data on median household income in each decennial census. Estimates are released between censuses as well, with the most recent for 1993; these numbers, which were released in 1998, are slightly revised from those included in the previous edition of this report. Income is based on responses to questions on amounts reported separately for wage or salary income; net nonfarm self-employment income; net farm self-employment income; interest, dividend, or net rental or royalty income; Social Security or railroad retirement income; public assistance or welfare income; retirement or disability income; and all other income. It does not include money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for persons, and so on; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. Income of households includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Because many households consist of only one person, average household income usually is less than average family income.

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

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

In 1993, medians varied from less than \$25,000 in 10 counties to more than \$35,000 in seven others. The lowest figure was \$20,627 in Wayne, which had the lowest median for 1989 as well; Ringgold reported the lowest figure for 1979. Warren's median of \$39,356 topped all other counties in 1993; it also had the top figure in 1989, although the median in Scott was the highest in 1979.

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

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

County	1993 Estimate	1989 Census	1979 Census	County	1993 Estimate	1989 Census	1979 Census
Adair	26691	21426	12527	Jefferson	27396	22630	14162
Adams	24002	20570	12844	Johnson	35075	27862	16253
Allamakee	25682	21098	13098	Jones	29380	24480	16297
Appanoose	22125	17833	11352	Keokuk	26916	22234	13501
Audubon	26097	21501	13722	Kossuth	28834	23321	15373
Benton	32310	25959	16742	Lee	29498	24671	16590
Black Hawk	30792	25683	19494	Linn	37430	32137	20084
Boone	31307	26110	16471	Louisa	31010	25590	16674
Bremer	33781	27326	18102	Lucas	25975	21316	12073
Buchanan	29538	23386	16066	Lyon	29418	22676	14776
Buena Vista	30452	25311	16222	Madison	32025	26644	15591
Butler	28590	23292	15698	Mahaska	29110	23115	14245
Calhoun	27319	22496	15036	Marion	34431	27991	16549
Carroll	30556	24391	16109	Marshall	31868	28333	17856
Cass	26433	21801	14136	Mills	32703	27420	16417
Cedar	33157	27713	17292	Mitchell	30028	24519	14450
Cerro Gordo	29544	25116	16443	Monona	24572	20714	13438
Cherokee	29305	22967	15609	Monroe	24693	20745	13190
Chickasaw	29992	24656	15541	Montgomery	28055	23312	14830
Clarke	24931	21735	12158	Muscatine	35337	29786	18233
Clay	30404	25028	16222	O'Brien	28983	23125	14718
Clayton	26009	21406	13356	Osceola	27417	23037	15215
Clinton	30156	25410	18516	Page	27904	22050	13805
Crawford	27634	22209	15633	Palo Alto	25916	21223	14590
Dallas	35297	28874	18661	Plymouth	32348	26796	15889
Davis	25441	20054	13015	Pocahontas	28418	23517	14611
Decatur	21644	18105	11074	Polk	37349	31221	18849
Delaware	30754	25757	15991	Pottawattamie	30027	26639	16930
Des Moines	31434	26536	17252	Poweshiek	31505	26063	15566
Dickinson	30197	25211	16032	Ringgold	23324	20761	10011
Dubuque	32804	28276	19396	Sac	26555	21818	14781
Emmet	27642	22790	16338	Scott	35382	29979	20767
Fayette	25945	21109	14815	Shelby	28705	22702	15214
Floyd	27607	23344	16031	Sioux	33105	25692	16163
Franklin	28342	23741	15365	Story	34024	26668	17006
Fremont	27316	22948	13201	Tama	29251	24297	15448
Greene	27427	22320	14464	Taylor	21644	18641	11747
Grundy	32818	26314	18006	Union	25378	21550	13661
Guthrie	27608	23356	13352	Van Buren	23358	19244	11569
Hamilton	30977	25847	16304	Wapello	25577	21060	14915
Hancock	29898	25445	15967	Warren	39356	32452	20087
Hardin	28282	23457	15541	Washington	30894	25822	15043
Harrison	27017	22258	13895	Wayne	20627	17599	10828
Henry	30906	24952	15662	Webster	28431	23692	16369
Howard	25401	21913	13795	Winnebago	28800	23480	14873
Humboldt	29915	24557	15843	Winneshiek	29901	24383	13718
Ida	28642	22859	13632	Woodbury	29977	25186	16054
Iowa	32728	26579	17063	Worth	27230	22902	15617
Jackson	27262	22487	16308	Wright	28814	24582	15633
Jasper	34352	28702	16986				
				State of Iowa	28867	26229	16799

Poverty (Total, Youth) in Iowa's Counties: 1979, 1989, and 1993

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In 1998, the U.S. Bureau of the Census released revised estimates of poverty in counties as of 1993. These estimates were based on administrative data available at the federal level: income tax returns; food stamps, supplemental security income, and aid to families with dependent children; and regional income estimates. A formula taking these and other factors into account was used to generate the county estimates. The new estimates included information on poverty among youth as well as the total population. Data also are included in this section from the 1980 and 1990 decennial censuses, which report on poverty for the calendar years 1979 and 1989, respectively.

Poverty status was determined by comparing a person's or family's income for the calendar year before the census is taken to national poverty thresholds. An individual or family with income below the threshold was classified as below the poverty level. Everyone in a particular family was given the same poverty status. Income levels for determining poverty status are provided by the U.S. Department of Health and Human Services between censuses; they are adjusted for family size. For a one-person unit, the poverty threshold was \$6,970 in 1993; it was \$9,430 for a two-person unit, \$11,890 for a three-person unit, and \$14,350 for a four-person unit. For a unit of eight persons, the guideline was \$24,190. For comparative purposes, the poverty thresholds for one-person units were \$6,310 in 1989 and \$3,686 in 1979; they were \$12,674 and \$7,412 for four-person units in 1989 and 1979, respectively. The manners in which the 1993 and the 1979/1989 figures were calculated differed greatly. Thus, it is not recommended that change be calculated between 1993 and the previous censuses.

Poverty in Iowa in 1993

The bureau's estimate suggests that about 312,000 Iowans were classified as poor in 1993 (Table 1). According to the 1993 estimates, percentages in poverty ranged from less than 10 in 32 counties to more than 15 in 8 others. Only Decatur had at least 1 of every 5 residents in poverty that year (Figure 1). Fewer than 1,000 residents were estimated to be poor in 10 counties (Adams, Audubon, Fremont, Grundy, Humboldt, Ida, Osceola, Pocahontas, Ringgold, Worth). In Adams, Audubon, Fremont, and Ringgold, however, these relatively low numbers in poverty translated to percentages higher than the state's 11.1 percent in poverty. That occurred because these counties have relatively low total populations. Numbers in poverty exceeded 10,000 in Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury. Of these six, only in Linn and Polk were the percentages in poverty below the state's figure.

Among the population under 18 years of age, Adams, Audubon, Ida, Osceola, Ringgold, and Worth had fewer than 300 in poverty, while Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury had more than 3,000 (Table 1). Percentages of youth in poverty ranged from less than 10 in six counties (Dallas, Grundy, Iowa, Plymouth, Sioux, Warren) to more than 20 percent in 11 others (Figure 2). According to the estimates, more than 1 of every 4 youths in Appanoose and Decatur lived in poverty in 1993. For the state, 15.1 percent of those 17 or younger were in poverty, which was a level substantially above that for the total population. Indeed, those in poverty under the age of 18 accounted for more than a third (35.9%) of all people in poverty in 1993.

In addition to numbers of youth in poverty, the census bureau also provided information on the school-aged population—those 5 through 17 years of age (Table 1). For the state as a whole, 13.1 percent of those in the 5-17 age category were poor in 1993. Polk and Scott had more than 5,000 school-

Table 1. Numbers and Percentages of Total Persons and Persons 17 or Younger in Poverty in Iowa's Counties, 1979 (census), 1989 (census), and 1993 (revised estimate).

County	Total Persons in Poverty						Persons 17 or Younger in Poverty						Persons 5-17 in Poverty					
	Number			Percentage			Number			Percentage			Number			Percentage		
	1993	1989	1979	1993	1989	1979	1993	1989	1979	1993	1989	1979	1993	1989	1979	1993	1989	1979
Adair	1014	1103	1578	12.1	13.4	16.9	347	382	549	16.3	18.3	21.4	229	252	407	14.6	16.4	22.4
Adams	706	796	812	15.4	16.8	14.4	232	279	261	20.6	23.9	17.4	147	154	197	18.6	19.0	18.2
Allamakee	1683	1794	2141	12.1	13.2	14.5	579	516	865	14.7	13.6	18.7	389	389	653	13.7	14.0	19.1
Appanoose	2605	2735	2642	19.0	20.4	17.3	930	959	960	26.9	28.5	22.5	629	657	601	24.4	26.1	19.9
Audubon	790	859	1086	11.4	12.1	13.0	268	301	474	15.1	16.3	20.1	188	239	340	14.5	17.7	19.6
Benton	2276	2502	2672	9.5	11.4	11.5	860	890	1015	13.1	14.8	14.6	551	593	721	11.6	13.5	14.2
Black Hawk	17131	17932	12130	14.1	15.3	9.3	6508	6001	4406	20.4	19.6	11.4	4102	3851	2564	17.6	17.1	9.3
Boone	2288	2119	2279	9.2	8.8	9.1	791	690	660	12.7	11.4	9.8	486	444	386	10.8	10.1	8.0
Bremer	1866	1962	1800	8.4	9.2	7.6	615	626	548	10.4	11.0	7.6	389	407	326	8.8	9.4	6.2
Buchanan	2794	3395	2627	13.1	16.7	11.8	1189	1443	1112	18.0	22.8	14.8	776	913	770	15.9	19.4	14.3
Buena Vista	1878	1633	1649	9.7	8.7	8.4	631	533	482	12.0	10.6	9.0	405	360	315	10.7	9.9	8.2
Butler	1544	1649	1675	9.7	10.7	9.7	520	509	517	12.4	12.4	10.1	337	334	353	10.6	10.7	9.5
Calhoun	1262	1317	1366	11.1	11.9	10.4	405	420	439	14.0	14.8	12.2	269	291	285	12.5	13.6	10.7
Carroll	2113	2220	1972	9.7	10.6	8.8	750	705	751	11.5	11.2	10.2	490	483	577	10.3	10.5	10.8
Cass	1795	1693	1932	11.9	11.5	11.7	636	617	608	16.2	15.9	13.7	421	422	420	14.4	14.4	13.0
Cedar	1638	1751	1945	9.2	10.2	10.6	600	603	704	12.7	13.1	13.0	382	395	466	10.8	11.3	11.8
Cerro Gordo	4791	4050	4083	10.3	8.9	8.7	1555	1202	1285	13.4	10.6	10.3	955	745	864	11.4	9.1	9.5
Cherokee	1310	1528	1686	9.5	11.2	10.7	462	540	568	12.1	14.4	12.6	293	331	375	10.4	11.8	11.6
Chickasaw	1276	1402	1731	9.4	10.7	11.4	433	430	606	11.2	11.5	12.5	291	320	418	10.1	11.3	11.5
Clarke	1226	1122	1406	14.8	13.7	16.4	442	445	542	20.3	20.6	22.5	293	291	401	18.3	18.3	22.9
Clay	1742	1722	1871	9.7	10.0	9.7	609	571	514	12.4	11.7	9.3	395	394	335	11.0	10.9	8.7
Clayton	2244	2696	2872	11.8	14.4	13.9	788	890	1033	14.9	16.9	16.6	515	561	697	13.1	14.3	15.4
Clinton	6068	5411	4312	11.8	10.8	7.7	2217	1883	1528	16.0	13.9	9.0	1398	1225	1066	13.8	12.3	8.6
Crawford	2166	2606	2289	13.0	15.9	12.3	797	935	755	17.2	20.3	13.1	517	592	444	15.5	17.8	10.8
Dallas	2539	2222	2078	7.8	7.6	7.2	884	680	720	9.7	8.3	8.2	535	412	504	8.0	6.8	7.9
Davis	1246	1440	1969	14.7	17.8	22.0	484	625	794	20.8	27.4	30.3	319	381	553	18.9	22.9	28.8
Decatur	1597	1598	1711	21.1	21.0	19.5	494	501	524	25.9	26.0	22.5	335	334	402	24.3	23.7	23.3
Delaware	2229	2272	2498	12.0	12.8	13.4	886	905	1113	15.6	16.3	17.4	566	557	747	13.5	13.5	15.8
Des Moines	5069	4748	3798	11.7	11.3	8.4	1984	1933	1244	17.7	17.7	9.6	1256	1222	857	15.4	15.3	9.1
Dickinson	1297	1338	1320	8.3	9.2	8.5	413	439	418	11.3	12.8	10.0	269	301	264	9.9	11.6	8.9
Dubuque	8901	8528	7475	10.2	10.3	8.3	3228	2988	2664	13.4	12.8	9.0	1995	1852	1796	11.3	10.8	8.1
Emmet	1387	1447	1656	12.4	13.0	12.7	498	479	624	16.6	16.1	16.3	318	296	433	14.1	13.2	16.0
Fayette	2957	3020	2694	13.5	14.2	10.8	1062	1044	853	18.0	18.0	11.6	702	714	667	16.3	16.7	12.3
Floyd	2120	2200	1751	12.7	13.3	9.2	762	718	524	17.6	16.7	9.2	505	499	363	16.0	15.9	8.6
Franklin	1223	1259	1555	11.0	11.3	12.1	415	376	559	14.4	13.2	15.8	274	268	338	12.9	12.7	13.2
Fremont	998	972	1528	12.2	12.2	16.6	328	319	583	15.4	15.1	22.9	225	243	425	14.0	15.1	23.2
Greene	1122	1203	1561	11.0	12.2	13.1	388	450	554	15.5	18.4	16.8	260	318	370	14.1	17.6	15.3
Grundy	907	980	896	7.4	8.3	6.3	306	307	287	9.7	10.1	7.0	193	204	173	8.3	9.0	5.8
Guthrie	1307	1195	1737	11.6	11.2	14.9	410	330	561	14.6	12.3	17.3	272	239	357	12.7	11.7	14.9
Hamilton	1523	1296	1658	9.4	8.2	9.4	493	367	566	11.8	9.2	11.6	305	224	364	9.9	7.7	10.2
Hancock	1215	1099	1123	10.0	8.9	8.2	447	385	344	12.9	10.9	8.4	283	244	216	11.0	9.3	7.3
Hardin	2132	1961	2185	11.6	10.8	10.5	686	572	763	15.1	12.7	13.9	426	343	558	12.5	10.1	13.9
Harrison	1884	1975	2508	12.6	13.8	15.6	661	683	864	16.3	17.6	18.2	434	460	642	14.5	16.1	18.2
Henry	1971	1784	1451	10.5	10.1	8.2	646	596	472	12.9	12.6	9.3	386	322	306	10.5	9.3	8.3
Howard	1265	1321	1616	12.9	13.8	14.8	408	384	591	15.4	14.9	18.7	272	260	433	13.9	13.7	18.5
Humboldt	961	933	1015	9.1	8.8	8.4	325	344	349	12.0	12.6	10.5	218	249	237	10.9	12.3	9.9
Ida	821	945	1245	9.8	11.6	14.2	285	293	410	12.0	12.4	16.7	188	198	301	10.9	11.6	16.9
Iowa	1088	1176	1211	7.2	8.2	8.0	351	345	422	9.0	9.2	9.9	225	236	265	8.1	8.8	8.4
Jackson	2651	2811	2834	13.0	14.3	12.8	949	909	1151	16.5	16.3	15.8	637	661	833	15.0	16.0	15.3
Jasper	2938	2367	2888	8.3	7.0	8.1	981	732	1128	10.9	8.4	11.0	565	403	779	8.6	6.3	10.3

Table 1. Numbers and Percentages of Total Persons and Persons 17 or Younger in Poverty in Iowa's Counties, 1979 (census), 1989 (census), and 1993 (revised estimate) (continued).

County	Total Persons in Poverty						Persons 17 or Younger in Poverty						Persons 5-17 in Poverty					
	Number			Percentage			Number			Percentage			Number			Percentage		
	1993	1989	1979	1993	1989	1979	1993	1989	1979	1993	1989	1979	1993	1989	1979	1993	1989	1979
Jefferson	2307	2115	1815	14.2	13.9	12.3	719	613	483	17.4	15.5	12.2	444	354	377	14.8	12.2	13.1
Johnson	9185	14899	11418	9.7	17.1	14.9	2146	2066	1367	10.4	10.8	7.7	1241	1121	795	8.9	8.7	6.3
Jones	2132	2043	2045	11.3	11.5	10.6	726	686	680	14.2	13.9	11.3	475	477	433	12.6	13.0	9.7
Keokuk	1496	1490	1621	12.9	13.1	12.7	515	514	500	17.0	17.2	14.5	352	380	343	15.6	17.0	13.4
Kossuth	2045	1997	2584	11.2	11.0	12.0	704	646	918	13.7	12.5	14.0	484	509	665	12.6	13.1	13.8
Lee	5047	4783	3692	13.1	12.9	8.9	1890	1840	1376	18.6	18.8	11.4	1211	1190	896	16.3	16.5	10.2
Linn	16551	14186	11292	9.3	8.6	6.8	5812	4504	3783	12.9	10.7	7.7	3556	2778	2561	11.1	9.3	7.1
Louisa	1382	1328	1341	11.6	11.7	11.3	481	404	570	14.8	13.1	15.4	303	250	392	12.5	10.9	14.5
Lucas	1218	1156	1601	13.4	13.1	15.9	381	365	551	16.9	16.5	19.8	251	247	414	15.0	15.0	20.3
Lyon	1185	1564	1691	9.8	13.3	13.3	472	621	599	12.8	17.1	15.0	315	426	389	11.7	15.9	13.9
Madison	1248	1354	1538	9.5	11.1	12.5	454	562	483	12.5	16.8	13.2	300	395	315	11.0	15.8	11.8
Mahaska	2645	2718	2747	12.2	13.0	12.5	907	847	905	15.7	15.3	15.0	561	494	651	13.5	12.4	15.1
Marion	2750	2762	2640	9.4	10.0	9.6	961	922	949	12.0	12.1	11.6	628	648	641	10.6	11.4	10.8
Marshall	4116	3188	3225	10.8	8.7	8.0	1453	1089	1114	14.9	11.5	9.6	904	693	751	12.6	9.9	8.8
Mills	1345	1270	1137	10.1	10.2	9.2	478	408	409	12.7	11.5	10.8	300	262	230	10.6	9.7	8.5
Mitchell	1044	1092	1538	9.5	10.3	12.8	361	380	484	12.3	13.4	13.5	239	259	343	10.9	12.2	12.7
Monona	1394	1436	1748	13.9	14.8	15.3	475	531	555	19.2	21.4	18.2	328	396	429	17.6	21.2	19.4
Monroe	1255	1235	1244	15.3	15.6	13.7	439	447	461	20.6	21.7	18.7	295	311	320	18.6	20.2	17.6
Montgomery	1302	1188	1237	10.9	10.1	9.4	418	368	409	14.0	12.4	11.8	277	265	263	12.5	11.9	10.8
Muscatine	4450	3967	3609	10.7	10.1	9.1	1782	1612	1299	15.2	14.6	10.6	1118	971	880	13.1	12.0	9.9
O'Brien	1462	1815	1735	9.5	12.1	10.4	517	623	417	12.4	15.1	8.9	349	449	251	11.3	14.5	7.6
Osceola	656	699	910	9.1	9.8	11.0	245	279	291	12.4	14.0	12.5	170	215	181	11.7	14.6	10.7
Page	2069	2222	2041	12.6	13.8	11.1	700	779	515	16.7	18.8	10.3	467	549	324	14.8	17.5	9.1
Palo Alto	1344	1582	1502	12.9	15.3	12.1	476	560	521	17.0	20.2	14.1	324	395	336	15.3	18.8	12.4
Plymouth	1834	2045	2833	7.6	9.0	11.8	643	649	1083	9.0	9.7	14.5	430	500	689	8.1	10.1	12.8
Pocahontas	971	969	1386	10.6	10.4	12.4	334	351	477	13.9	14.3	15.1	224	250	374	12.8	13.8	15.6
Polk	36018	29364	24882	10.3	9.2	8.4	13798	10140	8802	15.7	12.6	10.6	7876	6049	5683	13.0	10.9	9.4
Pottawattamie	10601	8524	8238	12.5	10.5	9.6	4217	3269	3275	18.3	14.7	12.6	2640	1978	2240	16.1	12.4	11.7
Poweshiek	1797	1839	2089	9.9	10.4	11.6	591	588	696	12.5	12.7	13.5	387	416	480	11.0	12.0	12.4
Ringgold	910	906	1478	17.1	17.2	24.7	287	293	464	22.3	22.6	30.6	198	209	292	20.3	20.8	26.4
Sac	1334	1419	1486	10.9	11.8	10.7	467	502	523	14.4	15.5	13.6	309	347	350	12.8	14.4	12.6
Scott	19987	17914	12355	12.7	12.1	7.9	8430	7096	4688	19.2	17.1	9.6	5049	4087	2757	16.2	13.8	7.8
Shelby	1340	1205	1844	10.2	9.4	12.6	471	401	731	12.9	11.1	15.9	308	277	529	11.2	10.2	15.1
Sioux	2119	2240	3007	7.1	8.1	10.4	789	803	1224	8.3	9.0	12.9	504	537	800	7.3	8.2	12.2
Story	6896	10515	7353	10.4	16.5	12.2	1576	1583	1271	10.3	10.9	8.5	915	839	741	8.7	8.3	7.2
Tama	1878	1789	2137	10.5	10.6	11.2	613	515	652	13.4	11.7	11.7	398	351	430	11.8	10.8	10.5
Taylor	1140	1265	1463	16.0	18.3	17.8	385	425	510	20.9	23.6	23.7	262	291	345	18.7	21.3	22.0
Union	1788	1930	1817	14.2	15.5	13.4	645	714	506	19.7	21.8	13.6	446	538	369	18.1	21.7	13.7
Van Buren	1091	1271	1669	13.8	16.8	19.6	390	476	569	19.0	24.2	23.6	265	323	419	18.0	23.0	24.0
Wapello	5492	5344	4009	15.1	15.3	10.2	1874	1825	1370	21.3	21.5	13.0	1248	1259	800	19.6	20.6	10.5
Warren	2770	2174	2227	7.3	6.3	6.6	989	705	759	9.0	7.0	6.7	599	451	480	7.4	6.0	5.7
Washington	1975	1797	2567	9.8	9.5	13.0	739	676	1039	13.5	13.3	18.1	497	484	726	12.6	13.2	17.5
Wayne	1160	1323	1519	16.7	19.1	18.8	365	432	435	22.3	26.6	21.8	255	318	289	21.6	27.2	20.3
Webster	5234	4600	4168	13.3	11.8	9.4	1927	1719	1509	18.5	16.6	11.8	1242	1142	1030	16.8	15.6	11.0
Winnebago	1119	1346	894	9.6	11.7	7.3	358	432	262	11.6	14.1	7.8	215	227	173	9.6	10.0	7.1
Winneshiak	2142	2477	2680	11.1	13.2	13.5	675	754	1014	12.9	14.7	16.9	446	525	678	11.8	14.2	15.2
Woodbury	13309	12858	11193	13.0	13.4	11.4	5427	4932	4333	18.9	18.4	15.0	3375	3088	2806	16.4	16.0	13.7
Worth	805	777	762	10.2	9.9	8.5	251	208	269	12.8	10.6	11.3	173	170	171	11.9	11.6	10.0
Wright	1492	1353	1649	10.4	9.7	10.3	492	433	542	14.0	12.5	12.5	320	293	382	12.6	11.7	12.2
State of Iowa	312380	307420	286173	11.1	11.5	10.1	112170	101661	96906	15.1	14.3	11.8	70282	65066	64377	13.1	12.6	10.8

aged children in poverty, although percentages were highest in Appanoose, Decatur, Ringgold, and Wayne, where more than 1 of every 5 children 5-17 years of age lived in poverty in 1993.

Note: See a section on "Poverty in Iowa's Counties: 1969, 1979, 1989, and 1993" in the 1997 edition of this volume for additional information on poverty for the total population.

Figure 1. Estimated percent of the total population in poverty, 1993.

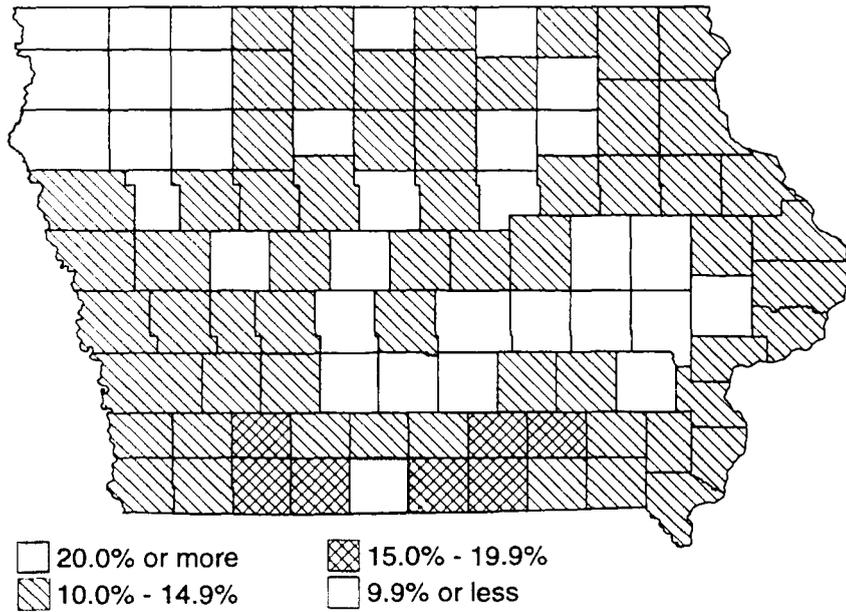
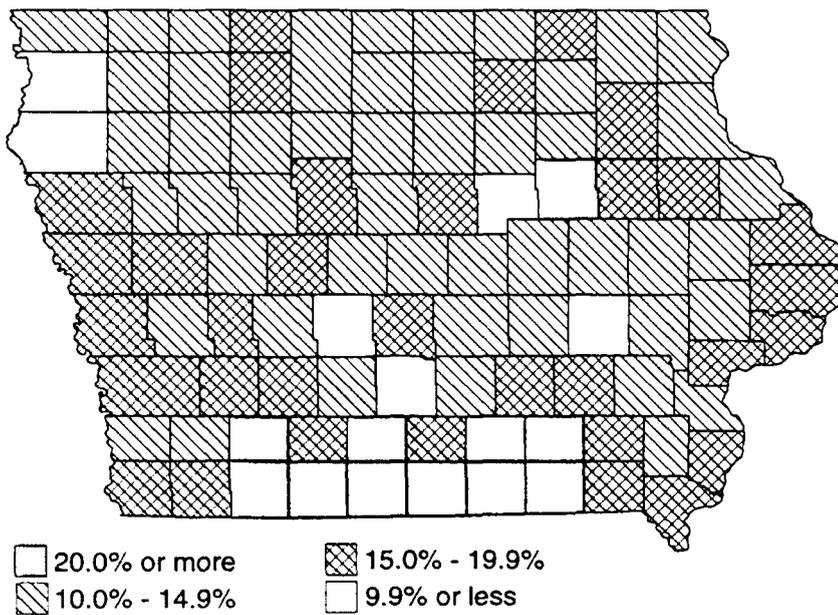


Figure 2. Estimated percent of the population under age 18 in poverty, 1993.



Federal Funds in Iowa's Counties: 1987, 1992, and 1996-1997

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In the middle of the 1980s, the U.S. Bureau of the Census initiated a series of annual publications that summarized federal funds that were provided to counties and subcounty areas. These documents attempt to capture the major categories of federal expenditures for the specified geographic units. The data for these reports are gathered from a variety of sources within the federal government; although these data represent major expenditures in counties, not every dollar is included. In addition, some federal programs allow the State of Iowa to distribute them to counties according to decisions made within the state; these distributions may not be included in the county totals other than Polk, the location of the state capitol. This may inflate the actual totals for Polk and decrease them in other counties. The county totals include amounts to places within them as well as directly to the counties themselves.

Two general areas are listed, the first of which includes direct federal expenditures or obligations. These totaled \$13.5 billion in Iowa for 1997 (Table 1). The second area includes other federal assistance, which amounted to \$5.3 billion. Both of these general areas include subcategories that provide more detailed breakdowns of expenditures.

Direct Federal Expenditures or Obligations

In 1997, direct federal expenditures or obligations exceeded \$100 million in 21 counties. Polk was the leader with \$2.4 billion; no other county topped \$1 billion. In 15 counties, the amount of federal funds received through direct federal expenditures or obligations was less than \$40 million in 1997; they were under \$30 million in Adams, Osceola, and Ringgold. In 1987, \$8.9 billion came to Iowa through direct federal expenditures or obligations (Table 4); this increased to approximately \$11.5 billion in 1992 (Table 3) and \$13.4 billion in 1996 (Table 2). From 1987 to 1997, these expenditures increased by 51.4 percent.

The \$2.1 billion for grants awarded within counties in 1997 accounted for 15.7 percent of the total direct federal expenditures or obligations in Iowa. These funds increased \$30 million from 1996 and \$550 million from 1987 (Tables 1-4). This subcategory includes a large number of federal programs in several areas (see notes at the end of this section). In 1997, 32 counties received at least \$10 million in grant awards from federal sources. Polk (\$529 million) and Johnson (\$138 million) had the largest shares in this subcategory. Adams, Grundy, Ida, and Osceola received less than \$3 million in grant awards. Six counties (Black Hawk, Johnson, Linn, Polk, Scott, Story) had nearly half (48.4%) of all grant awards for the state. Polk alone received nearly a fourth (24.8%) of the total.

Salaries and wages totaled \$943 million in 1997. These were generated by the Department of Defense, the Postal Service, and other federal agencies for employees in Iowa. The percentage increase in salaries and wages from 1987 to 1997 was 50.7. Salaries and wages paid by federal funds in 1997 exceeded \$10 million in 10 counties, topped by Polk with \$304 million, which accounted for 32.3 percent of all salaries and wages paid by the federal government in Iowa. Polk and three others (Johnson, Linn, Scott) received half (51.7%) of all federal funds in this category. On the other hand, 24 counties each received less than \$2 million in federally paid salaries and wages.

Two-fifths (40.0%) of the total direct federal expenditures or obligations went for retirement and disability payments; \$5.4 billion was received by individuals in Iowa in 1997. This includes federal employee retirement and disability benefits, Social Security payments of all types, selected Veterans Administration programs, and selected other federal programs. The increase in the amount in this

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1997.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	33233	4186	1313	15777	6807	300	4850	4439	23168
Adams	22500	2692	1158	9919	4380	264	4088	3421	9733
Allamakee	50966	5837	2743	27041	9490	677	5177	3822	8526
Appanoose	65684	9103	5025	34285	13467	630	3174	5262	6154
Audubon	32079	3299	1397	14964	7143	321	4956	6711	27642
Benton	77857	7862	2871	42272	16740	753	7359	13711	59133
Black Hawk	477840	80523	26719	239704	118727	6222	5946	37020	82193
Boone	117209	34878	4760	51907	18977	1467	5220	3179	39577
Bremer	77170	6587	2768	42818	18351	2120	4525	9642	28393
Buchanan	71115	9392	2819	37309	15319	642	5635	12121	31480
Buena Vista	89026	12293	4801	40085	19496	6826	5526	23161	44772
Butler	64594	6740	2331	33104	14653	538	7228	8924	33226
Calhoun	52382	4769	2007	28070	11689	481	5366	4470	46605
Carroll	84078	10724	4388	44288	18741	949	4989	6167	43705
Cass	67299	6717	3760	35485	15585	616	5136	5929	32063
Cedar	60078	5607	4083	29930	12646	545	7267	11682	40351
Cerro Gordo	204406	32248	8819	102614	43233	10414	7079	18231	51840
Cherokee	55546	6039	2312	30429	11417	511	4838	8363	47487
Chickasaw	76568	5280	2123	25345	10341	27928	5552	10817	27976
Clarke	33397	4370	1434	15813	6954	264	4564	1999	9442
Clay	71713	8680	3581	35136	13300	749	10266	10439	39239
Clayton	74846	7274	4044	37379	14506	2905	8738	8484	22489
Clinton	209057	39279	6803	104748	46952	1654	9621	15847	53133
Crawford	73254	12257	4409	31661	14569	3006	7352	10364	64091
Dallas	103970	12714	4562	57857	22474	1118	5244	14546	42985
Davis	32283	3488	1487	15774	6396	333	4804	2648	9042
Decatur	38262	7040	1773	16708	7815	440	4486	3474	9597
Delaware	54549	5901	2958	27351	10478	861	7000	11602	30614
Des Moines	238693	21989	9338	91872	54958	56620	3915	5102	32961
Dickinson	62333	4468	2453	37616	13114	550	4131	5566	24644
Dubuque	303629	39795	15507	162216	75116	4622	6374	6777	28522
Emmet	55295	7321	1894	25442	12204	3519	4915	11945	30773
Fayette	89427	10505	4422	45370	19667	1470	7994	11781	40523
Floyd	85038	19419	2834	39532	17013	561	5680	12626	30927
Franklin	44294	4441	1827	22654	8342	475	6555	15268	38875
Fremont	40057	5610	1452	18766	8704	1087	4438	5093	37474
Greene	44980	3869	1955	24885	8626	476	5170	3776	47999
Grundy	45011	2557	1674	25293	9400	401	5686	6488	33981
Guthrie	49600	5491	2518	25467	9656	549	5920	3998	28343
Hamilton	63782	6779	2570	33420	14840	607	5566	9098	42414
Hancock	46346	4006	2418	24257	8917	458	6289	11583	42337
Hardin	87371	7885	4840	46113	18238	3729	6566	10786	42562
Harrison	67435	9478	3823	33025	14903	619	5587	7504	44466
Henry	65920	6274	2877	36486	14119	697	5466	5175	22003
Howard	39981	4620	1402	19457	7976	819	5708	8704	26887
Humboldt	46254	4436	2913	24669	9635	504	4097	5882	43865
Ida	32309	2182	1606	17484	6492	309	4237	9708	41396
Iowa	71843	20668	2934	28444	11225	648	7924	4870	25577
Jackson	67135	-2719 ^a	3582	40171	17940	842	7319	6111	16321
Jasper	127668	17384	4705	68851	27921	1044	7763	10161	45750

^aA negative sign indicates an initial amount obligated adjusted at a later date to a deobligation.

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1997 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	54023	6701	3797	25715	11378	1363	5070	4586	18412
Johnson	447571	138178	56892	109910	51210	84383	6997	46836	71281
Jones	64042	5609	2612	34286	12628	2609	6299	9544	28996
Keokuk	57611	6033	2812	27175	11438	659	9494	6830	27839
Kossuth	71687	6324	3338	37526	13623	710	10165	25021	91581
Lee	147999	19601	6801	79636	35795	1525	4641	3637	27888
Linn	920638	95529	49257	307048	118848	341845	8111	19883	91260
Louisa	47491	4736	2434	20691	8015	6436	5180	4766	25000
Lucas	42649	5933	1730	21637	9005	348	3996	1215	6423
Lyon	40551	3934	1633	21805	8134	378	4667	9112	41291
Madison	46697	5201	2143	24294	10845	458	3756	2280	15616
Mahaska	90098	14665	3236	41360	18549	5339	6949	5110	28877
Marion	141193	10265	33655	64647	22946	5212	4469	15354	19257
Marshall	170148	31354	6054	85158	30308	9819	7457	14854	41297
Mills	80330	34949	2073	27361	11912	458	3577	4209	32602
Mitchell	46031	3647	1884	25151	10011	447	4892	10616	35739
Monona	54724	7353	2419	25324	12736	670	6221	4910	30839
Monroe	37757	4842	1338	18911	8512	261	2894	635	5558
Montgomery	56789	6949	2908	28466	13987	496	3982	4206	24856
Muscatine	133032	19944	5503	72045	27536	3431	4574	7011	35586
O'Brien	61780	5341	2984	34296	13706	619	4835	12014	39596
Osceola	27226	1691	1287	14731	5652	277	3588	6368	30211
Page	73132	8506	3393	39729	15796	745	4963	2933	22095
Palo Alto	50972	7162	1947	24739	9882	453	6789	12368	38805
Plymouth	80984	7924	4328	42877	16855	1391	7609	10968	66598
Pocahontas	42793	3821	1585	21685	9490	646	5567	6541	49088
Polk	2391883	528788	304172	598743	263560	73556	623064	8602	313205
Pottawattamie	585430	47686	9721	171799	73663	2429	280131	9649	144001
Poweshiek	71408	6310	2577	37613	16333	619	7957	9820	25000
Ringgold	28412	3013	1472	12602	5059	333	5933	1605	10925
Sac	50230	4446	2124	27764	10667	471	4759	7908	51896
Scott	639496	106709	77048	304749	110973	32088	7930	10948	156173
Shelby	57173	6748	2514	27429	14461	531	5489	6200	46620
Sioux	97599	7268	4504	48157	20816	10237	6617	9649	56401
Story	314345	81562	38949	103204	51637	33042	5951	11525	75266
Tama	75374	11049	4267	36341	14207	949	8563	11279	36154
Taylor	36970	5233	2197	15874	6321	1152	6193	5329	13110
Union	59386	7787	3826	28367	14932	642	3832	6645	9712
Van Buren	34495	3474	1848	17033	7255	390	4496	2179	12164
Wapello	165801	23970	8191	88293	39754	1395	4199	7024	20882
Warren	99888	12279	5579	54416	22087	997	4531	8026	23636
Washington	83799	15335	3211	41469	15456	645	7683	6863	29552
Wayne	37966	3835	1868	17236	8441	420	6166	1765	11351
Webster	180137	22743	14210	89984	41981	4872	6347	10407	56647
Winnebago	47556	4422	2181	24870	10004	568	5510	101223	32338
Winneshiek	69945	8302	3645	32140	16825	1293	7740	82026	14832
Woodbury	407236	65722	39315	192225	86917	12682	10373	13740	107544
Worth	33729	4241	1539	16393	6382	367	4807	10685	32182
Wright	65847	5829	3316	35533	14073	733	6363	6930	48380
Undistributed	575033	114059	0	1262	365826	0	93887	0	236393
State of Iowa	13542447	2129240	943091	5418964	2677077	805527	1568549	1056306	4244212

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1996.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	32103	4192	1397	15323	6496	271	4424	2623	25610
Adams	21481	2318	1438	9660	4131	248	3686	1611	14051
Allamakee	49709	5490	2708	26311	9161	894	5144	3049	11707
Appanoose	64072	9782	3475	34064	12871	1010	2869	3940	8581
Audubon	31976	3548	1640	14743	6798	327	4921	4702	34231
Benton	78626	10618	2900	40918	16295	843	7052	15231	62064
Black Hawk	456421	70415	29368	232134	113068	5858	5578	6969	92326
Boone	114354	33285	6420	50650	18482	1027	4490	3222	49091
Bremer	82872	15793	2723	40817	17430	1885	4224	8640	36462
Buchanan	71087	10277	3099	36448	14972	687	5604	9489	41022
Buena Vista	87636	8477	5198	39505	18005	11135	5316	5914	57982
Butler	62706	6719	2347	32324	13865	529	6923	6544	40701
Calhoun	50695	4550	2075	27675	10886	505	5004	2599	56245
Carroll	83759	12949	4521	42534	18317	953	4486	4374	51630
Cass	65125	7276	3473	34633	14635	613	4495	4595	36034
Cedar	59041	5235	4099	29321	12058	1369	6960	8656	50320
Cerro Gordo	191914	28969	8455	99829	41442	6252	6966	17144	57279
Cherokee	55260	6137	2534	29656	11174	1170	4590	6326	55866
Chickasaw	79776	4255	2277	24668	9781	33241	5554	10307	31390
Clarke	32373	4079	1427	15608	6957	322	3979	1185	8014
Clay	67977	9360	3889	34373	12891	790	6674	6021	48757
Clayton	70690	6550	4165	36316	13707	1952	7999	6508	25774
Clinton	199298	33367	6999	102751	44679	2394	9108	12657	58679
Crawford	74307	9990	4565	30719	13862	8554	6617	6662	68015
Dallas	101381	12251	4800	56758	21749	1056	4766	6942	47713
Davis	31121	3413	1535	15650	5918	317	4289	2406	10630
Decatur	36450	6701	1984	16252	7033	419	4061	1659	10215
Delaware	52392	5387	2726	26622	9906	1220	6531	8564	39187
Des Moines	220930	21680	9326	89792	54542	42386	3202	2392	35547
Dickinson	59515	4136	2284	36199	12235	557	4104	3427	25946
Dubuque	286650	32112	15842	155497	71789	5730	5679	5352	32001
Emmet	54020	5977	2319	25248	11726	3970	4780	8308	35094
Fayette	86855	9870	4486	44166	18623	2040	7671	10287	52186
Floyd	73968	9812	2706	38778	16346	563	5763	11459	35597
Franklin	44579	5068	2088	22376	7988	441	6618	17999	49090
Fremont	37588	4902	1603	18819	8168	360	3736	2600	40324
Greene	43975	3430	2146	24668	8239	462	5030	2410	55937
Grundy	42908	2150	1774	24973	8927	417	4668	5400	42878
Guthrie	48433	5288	2609	25091	9402	549	5494	2269	32336
Hamilton	61858	6680	2415	32458	14092	658	5555	6136	56405
Hancock	45061	3816	2109	24082	8471	469	6112	11400	52408
Hardin	85508	8383	3676	44840	17516	5579	5514	9999	52194
Harrison	66599	10933	3822	32258	13974	679	4933	3167	51233
Henry	64955	7914	3556	35228	12790	728	4738	5218	25855
Howard	38536	3793	1542	19045	7539	810	5806	8601	29230
Humboldt	45738	5187	2541	24382	9160	473	3996	3499	45036
Ida	31517	2591	1413	17003	6144	282	4084	6440	47432
Iowa	52867	3955	3069	27964	9843	631	7405	3960	30368
Jackson	75375	8032	3571	39315	17082	714	6662	4587	19575
Jasper	119225	12254	5128	67393	26509	1158	6783	6624	53309

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1996 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	52260	7020	4146	25155	10992	683	4264	3132	22813
Johnson	439894	134541	61017	103627	46809	87759	6141	4208	73708
Jones	62081	5405	2809	33203	12058	2712	5894	8329	36886
Keokuk	54656	4663	2896	27125	10728	661	8583	3916	33197
Kossuth	70079	5970	3630	36563	12998	857	10062	17773	101958
Lee	146585	22449	6503	77069	34359	2555	3650	2276	28690
Linn	864987	93492	51766	293366	114090	304991	7283	5770	105911
Louisa	42940	7559	2517	20301	7294	585	4683	3866	28559
Lucas	39971	4629	1954	21179	8148	330	3732	1344	7917
Lyon	40544	3672	1669	21262	7697	1923	4321	6302	48950
Madison	44877	4809	2129	23520	10578	462	3378	1765	20221
Mahaska	83143	11388	3635	40927	17572	3164	6457	4558	34823
Marion	146446	13464	35490	66134	22320	5034	4004	4994	23871
Marshall	163744	27194	6351	83345	28601	11600	6654	6105	49922
Mills	78581	34686	2400	26583	11304	484	3125	4056	36873
Mitchell	44131	3234	1886	24582	9197	455	4777	10271	41023
Monona	51891	6288	2687	24758	12086	682	5391	2105	43350
Monroe	36207	4514	1430	18933	8545	270	2515	3240	8248
Montgomery	53374	5937	2800	27746	12777	560	3555	3373	27125
Muscatine	127080	17156	5903	69076	26516	4311	4118	6366	46570
O'Brien	60078	5311	3007	33353	12901	619	4886	6703	48317
Osceola	26953	1581	1260	14514	5351	802	3445	4415	39467
Page	72482	10592	3177	38858	14800	672	4383	2174	27314
Palo Alto	48645	6511	1897	24040	9354	504	6338	7217	51710
Plymouth	81016	10449	4462	41552	16035	1165	7352	6104	77163
Pocahontas	41780	3688	1940	21764	8851	372	5166	3485	55872
Polk	2539029	539967	307373	573119	249276	74912	794381	5958	315030
Pottawattamie	673419	49974	11561	166587	70036	5850	369410	7562	147248
Poweshiek	69482	6892	2590	36462	15414	609	7514	4359	32880
Ringgold	27120	2752	1484	12385	4664	364	5471	3843	12404
Sac	49342	4193	2470	27274	10403	484	4518	5975	60937
Scott	584324	87485	54249	295476	106382	34999	5733	5534	146821
Shelby	54916	6271	2482	26994	13536	507	5126	3718	54909
Sioux	96905	7668	4444	47110	19727	10947	7010	7435	68017
Story	305763	77633	39551	98053	48198	36814	5516	5915	73055
Tama	69525	7869	3754	35627	13464	698	8112	7997	43756
Taylor	35420	4750	1761	15433	5999	1978	5499	4021	16627
Union	58191	7042	3751	28598	14620	631	3549	2620	13673
Van Buren	33295	3414	1976	16749	6879	405	3870	1486	13838
Wapello	159037	24017	6382	85838	37996	1400	3404	3290	24350
Warren	95276	11724	4869	52648	21214	990	3831	5269	24580
Washington	83364	17037	3268	40765	14788	732	6773	6056	34975
Wayne	36122	3563	1973	17086	7851	451	5197	1621	12977
Webster	172966	21472	14849	88287	39730	2686	5942	4047	71163
Winnebago	46138	4097	2185	23980	9429	773	5674	17913	37806
Winneshiak	66247	7386	4063	31253	15099	709	7736	4719	21266
Woodbury	387078	55853	42220	186398	83074	9841	9692	8992	124611
Worth	31998	2758	1551	16190	6094	372	5034	9313	38426
Wright	64632	5655	3666	35268	13310	698	6034	5638	56839
Undistributed	609657	164262	0	1214	357755	0	86426	287200	187770
State of Iowa	13414932	2099279	944096	5263166	2554577	777558	1776255	874399	4783971

Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1992.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	32585	4618	1268	13940	7615	207	4937	4747	16014
Adams	20992	2315	1460	8532	4634	234	3817	3188	7273
Allamakee	47388	4919	2336	22880	11232	775	5246	2552	2400
Appanoose	64061	12034	3681	30090	13211	2279	2766	2622	6498
Audubon	29790	1973	1589	12859	7526	252	5591	4994	15276
Benton	70023	9825	2594	34004	14790	501	8309	10385	34527
Black Hawk	471125	83783	27393	202855	95304	55255	6535	7671	26574
Boone	84449	7695	5522	43818	21278	563	5573	4624	26509
Bremer	68602	12059	2635	34649	13832	683	4744	7967	7743
Buchanan	61661	6233	2958	31917	13014	522	7017	8915	7456
Buena Vista	73882	5311	4803	34702	14762	8094	6210	6534	29832
Butler	56473	5087	2415	27941	12633	441	7956	6103	12568
Calhoun	46876	3981	1968	23910	10333	512	6172	4866	22114
Carroll	72962	10247	4471	36541	15758	768	5177	6600	21144
Cass	56962	4887	3045	29470	13816	466	5278	4998	17956
Cedar	53868	4501	3912	25053	10875	1036	8491	8301	30394
Cerro Gordo	159926	18118	8172	86004	36056	2824	8752	9852	30516
Cherokee	48810	4136	2349	25480	11002	450	5393	8939	28326
Chickasaw	45306	3818	2165	21281	10260	1474	6308	8072	6107
Clarke	31093	5238	1485	13518	6835	218	3799	2440	8749
Clay	61775	6770	3722	29605	12146	721	8811	6953	20272
Clayton	67734	7663	3996	31235	14463	2046	8331	6617	4644
Clinton	167123	16697	6758	88905	43257	1196	10310	11399	32618
Crawford	64874	6212	4033	26328	14239	7077	6985	11496	33307
Dallas	89858	9553	4338	46567	23216	729	5455	9734	28863
Davis	30996	4368	1524	13587	6997	358	4162	1103	7351
Decatur	36639	6439	1833	14073	9973	315	4006	4712	6182
Delaware	49713	5477	2590	22893	9589	1990	7174	7376	8608
Des Moines	185653	17791	8415	76925	32486	46359	3677	3550	15902
Dickinson	55663	6896	2095	30608	11140	429	4495	4532	12563
Dubuque	270402	38223	15633	132527	68830	10030	5159	4312	12928
Emmet	52756	4837	2031	22132	11070	7004	5682	7765	14773
Fayette	82653	9665	4254	38003	20856	1039	8836	10671	7411
Floyd	65154	8525	2464	34075	13103	414	6573	10825	12014
Franklin	44911	3615	2129	20154	7521	2995	8497	11484	18947
Fremont	34465	3633	1433	16212	8302	252	4633	6549	21700
Greene	41728	4060	2069	20723	8342	423	6111	6065	27016
Grundy	39903	2013	1713	21342	8279	324	6232	5554	21868
Guthrie	44399	4329	2267	21717	10040	427	5619	4082	17360
Hamilton	63616	10167	2625	28278	14809	540	7197	5951	29163
Hancock	40870	3104	2116	20292	7347	396	7615	8694	21712
Hardin	74180	6085	3376	38370	18504	585	7260	11253	25315
Harrison	57654	5864	3527	26913	15264	536	5550	5630	20399
Henry	57024	5482	3067	29929	12810	623	5113	4653	19349
Howard	39080	4434	1509	16695	9036	914	6492	7143	5528
Humboldt	41622	3056	2657	20947	8807	419	5736	3957	25426
Ida	28964	2456	1575	14509	5517	252	4655	6097	20812
Iowa	50279	6607	2728	23801	8811	468	7864	3958	17915
Jackson	70947	9531	3118	33523	17458	500	6817	4552	11832
Jasper	111464	15135	4364	57070	25538	1617	7740	10194	32233

Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1992 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	53439	13167	3668	21977	9411	680	4536	4324	15170
Johnson	344775	120040	48791	84137	35870	49190	6747	5155	26377
Jones	55593	5268	2834	27812	12358	442	6879	7350	19150
Keokuk	53593	7282	3009	22485	11117	579	9121	5191	22261
Kossuth	67974	6702	3288	31574	13128	690	12592	16382	52638
Lee	132711	25000	6021	67472	28821	1744	3653	2461	12812
Linn	749466	65980	50211	242624	97574	285544	7533	5243	59615
Louisa	36581	4031	2454	17242	6483	310	6061	3811	18174
Lucas	42157	5332	4928	17855	9952	839	3251	2619	4899
Lyon	35933	3850	1772	17767	6975	324	5245	7946	23166
Madison	42751	5620	2094	19496	11415	342	3784	3134	11027
Mahaska	72837	9458	3489	35490	16489	792	7119	4229	21401
Marion	140244	20238	33514	52862	23112	6205	4313	3355	10615
Marshall	136969	23400	5540	71000	24328	5070	7631	7862	26691
Mills	47562	8966	2106	21797	10476	360	3857	5225	17626
Mitchell	38951	2767	1770	20660	7938	333	5483	7465	19707
Monona	48094	5787	2430	21654	11111	406	6706	4939	15639
Monroe	34274	4435	1327	16553	9264	227	2468	1752	4791
Montgomery	49370	4669	2333	23592	14251	352	4173	5050	14385
Muscatine	123157	12689	5405	59677	24859	14957	5570	5063	20423
O'Brien	56921	6442	2910	28866	12207	497	5999	9905	16813
Osceola	25311	2079	1293	12285	5101	216	4337	6141	16555
Page	71987	13153	3258	33214	17160	836	4366	2968	13210
Palo Alto	46954	6034	2008	20864	9488	483	8077	9117	20185
Plymouth	69279	5901	3961	35241	15260	593	8323	8667	45295
Pocahontas	38261	2821	1996	18849	6844	569	7182	5475	26588
Polk	1903153	458439	249953	469189	257159	91305	377108	6870	112782
Pottawattamie	533236	48405	11515	140070	67667	1586	263993	8347	50975
Poweshiek	70221	11529	2393	30271	14155	451	11422	6414	20096
Ringgold	25452	2941	1592	10367	4895	289	5368	2543	6811
Sac	44947	3285	2189	23866	9860	372	5375	7442	31598
Scott	456125	55400	23353	246653	103856	21337	5526	6495	44631
Shelby	48306	6420	2446	22562	10406	425	6047	6462	24806
Sioux	82779	11116	4262	39701	18601	693	8406	8127	31204
Story	288649	81955	37633	82237	39857	40462	6505	7433	44271
Tama	64126	6244	3731	30136	12464	2590	8961	10934	25387
Taylor	33554	4130	1932	13973	6940	974	5605	2261	8463
Union	59638	11557	3954	24621	15013	956	3537	6963	7398
Van Buren	29783	2920	1872	13939	6714	350	3988	1949	7931
Wapello	148802	24012	6186	75083	38568	1380	3573	4158	13634
Warren	86032	11579	4531	41902	20024	3815	4181	5381	16776
Washington	62986	5119	3171	33764	12073	1007	7852	6393	25052
Wayne	38358	5095	1887	15297	10148	359	5572	2200	8750
Webster	162812	24670	14666	76783	37361	2038	7294	5824	36662
Winnebago	42706	3980	2041	20787	8971	387	6540	10059	18809
Winneshiek	62888	6888	3712	27721	16324	574	7669	3496	2912
Woodbury	362985	49535	38808	165748	90352	7828	10714	8633	47350
Worth	30410	2231	1509	14767	5658	370	5875	8467	19194
Wright	58372	5436	2925	30321	11397	521	7772	7107	28837
Undistributed	490700	136070	0	1077	298429	0	55124	0	547732
State of Iowa	11521082	1819533	818849	4471259	2390401	721175	1299865	626021	2649267

Table 4. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1987.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	34565	6142	1067	11074	3688	110	12484	20437	11264
Adams	21013	2077	1346	7112	2582	136	7760	10001	6157
Allamakee	41035	5907	1724	17452	5734	606	9612	9080	1785
Appanoose	49022	9314	2755	24709	7283	384	4577	4591	5578
Audubon	30089	2571	1413	10253	3583	130	12139	20699	10570
Benton	61131	6174	2230	26464	8026	273	17964	35505	15707
Black Hawk	356557	83953	19637	151252	55766	26138	19811	32195	44612
Boone	75382	5848	5272	35230	11492	1189	16351	29709	16091
Bremer	70007	5416	1994	27461	8456	14017	12663	23580	8347
Buchanan	64214	8997	2221	24345	7772	252	20627	32250	9098
Buena Vista	87074	6069	3683	26740	9117	22980	18485	76751	22275
Butler	57237	6476	1780	21159	7150	212	20460	33441	9860
Calhoun	51812	4590	1734	19012	5677	1597	19202	35402	13504
Carroll	65714	9307	3204	27370	8677	343	16813	29100	14685
Cass	60326	13214	2495	22877	7492	404	13844	22609	11519
Cedar	53794	4816	2848	19107	5819	458	20746	31279	13677
Cerro Gordo	152378	16294	7382	64430	19507	3512	41253	46697	21313
Cherokee	50505	4967	1948	19842	5935	513	17300	28218	15365
Chickasaw	39542	6126	1705	16275	5903	19398	-9865 ^a	29660	2965
Clarke	27349	5401	1218	10056	3869	122	6683	5858	5803
Clay	54572	3445	3078	21609	6678	371	19391	30768	12838
Clayton	68851	14145	2902	24108	8324	500	18872	21617	5378
Clinton	140606	16773	5802	68222	23005	646	26158	34336	12730
Crawford	61229	7724	3288	20382	7718	4364	17753	34253	18777
Dallas	82289	9059	3512	35299	12738	438	21243	31590	23066
Davis	27850	4336	1216	11128	4041	126	7003	7384	7923
Decatur	33515	9235	1273	11349	5920	199	5539	7326	5185
Delaware	-211699 ^a	10218	1830	17010	5811	207	-246775 ^a	29261	6999
Des Moines	38743	14371	7249	58936	16627	-67950 ^a	9510	15863	18153
Dickinson	45247	4475	1554	22207	5955	242	10814	21540	9849
Dubuque	221413	44603	12951	97086	37393	15532	13848	13223	15145
Emmet	44296	5790	1657	16395	6642	155	13657	31897	10298
Fayette	89557	10606	3322	29770	11754	1329	32776	35766	6616
Floyd	60587	7328	2018	24685	7042	780	18734	32936	7612
Franklin	50087	5375	1702	15588	4252	741	22429	43802	13845
Fremont	35698	3782	1203	13201	4626	138	12748	25357	12273
Greene	44557	5485	1717	16530	4615	244	15966	32491	14077
Grundy	43177	2911	1535	16747	4627	183	17174	33115	11073
Guthrie	42524	4554	1666	17176	5668	236	13224	21766	11235
Hamilton	58386	5881	2153	21659	8130	224	20339	39632	13673
Hancock	47838	3618	1840	15326	4233	195	22626	42237	13395
Hardin	70862	6682	2814	29983	10414	307	20662	84935	14084
Harrison	59228	9961	2605	21080	8295	781	16506	35174	15139
Henry	49592	5399	2668	23774	6897	279	10575	19101	13562
Howard	40494	5790	1085	12964	5267	220	15168	24431	3440
Humboldt	40484	3731	1892	15550	4738	195	14378	28664	13451
Ida	35421	3539	1195	11461	3077	152	15997	21443	15028
Iowa	52607	10309	1971	18520	4850	1356	15601	22565	10656
Jackson	61638	8776	2673	25687	9660	360	14482	15189	6259
Jasper	90131	11595	3460	42245	13402	919	18510	31431	21308

^aA negative sign indicates an initial amount obligated adjusted at a later date to a deobligation.

Table 4. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1987 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	39850	4607	3048	17569	5383	266	8977	12817	17153
Johnson	236180	80168	35916	59077	23238	24131	13650	19876	35053
Jones	53686	6309	1929	21205	6914	223	17106	26231	8596
Keokuk	50595	5212	2130	18557	6160	244	18292	26207	17577
Kossuth	79086	8054	2584	24808	7378	263	35999	72401	29906
Lee	96387	13759	4833	52826	15885	792	8292	12475	10010
Linn	778846	42173	35187	174632	54500	430079	42275	23423	83384
Louisa	35666	4927	1568	13254	3545	236	12136	20820	8756
Lucas	32354	5770	1431	14620	5400	126	5007	6011	6444
Lyon	9615	3909	1422	13752	3843	244	-13555 ^a	27367	14046
Madison	36672	4607	1560	15547	6298	180	8480	12260	6581
Mahaska	61247	8563	2589	27677	8698	249	13471	19820	16609
Marion	102460	8022	26680	40392	13280	5403	8683	33362	10488
Marshall	108489	14978	4257	54364	13414	772	20704	30942	19357
Mills	40917	5529	1793	16724	5512	185	11174	21323	13810
Mitchell	42842	5338	1358	15814	4616	163	15553	26637	10300
Monona	49999	7040	2150	16936	6234	291	17348	28645	10773
Monroe	28321	4850	942	13403	5084	102	3940	4422	7334
Montgomery	46389	6710	1925	18922	7698	507	10627	18453	11406
Muscatine	97832	12914	4186	43875	12731	13191	10935	-1820 ^a	12299
O'Brien	57293	5799	2608	22255	6933	269	19429	37753	12386
Osceola	48347	3362	871	9668	2893	90	31463	29237	10022
Page	56892	8274	2820	26204	9176	544	9874	18209	8570
Palo Alto	50806	6700	1536	16159	5299	179	20933	39432	17100
Plymouth	68496	7449	3683	26485	8739	1219	20921	37878	23267
Pocahontas	47519	4305	1589	15148	3975	252	22250	34107	16663
Polk	1015699	320462	189053	349696	138541	47789	-29842 ^a	33016	161965
Pottawattamie	310702	29363	9217	105728	34859	86506	45029	43046	69573
Poweshiek	55483	6412	1646	22918	7571	294	16642	24013	12187
Ringgold	24506	4694	1311	7830	2684	200	7787	9748	5955
Sac	47263	5123	1874	18785	5488	191	15802	30873	13702
Scott	425157	51391	18723	170302	57776	104603	22362	23596	74182
Shelby	49426	4747	1944	17240	5819	203	19473	34591	14964
Sioux	80874	10245	3301	29748	10922	345	26313	40197	19601
Story	230772	55539	29037	58893	30084	36371	20848	37184	34934
Tama	71310	7183	2768	23900	7015	9379	21065	34765	14524
Taylor	31498	4903	1461	11359	3905	155	9715	13222	6949
Union	45050	6992	2957	19375	7726	751	7249	9667	7061
Van Buren	27336	3744	1362	11144	3587	515	6984	7716	7634
Wapello	115833	19881	5544	59315	22131	1709	7253	9834	11421
Warren	61935	8273	3539	30656	10398	407	8662	18123	15728
Washington	60140	7315	2856	24983	6657	253	18076	26390	15913
Wayne	34344	5545	1441	12168	5632	184	9374	9911	10102
Webster	127796	15690	9811	58850	20055	1113	22277	44860	22540
Winnebago	46273	4535	1573	16237	4954	212	18762	35014	10526
Winneshiek	58469	8142	2948	20744	10046	287	16302	17820	4200
Woodbury	277688	42742	27926	126212	49274	4313	27221	56893	55097
Worth	35714	3450	992	11727	3314	122	16109	27156	7444
Wright	59441	5021	2487	23590	6412	434	21497	44738	15282
Undistributed	264891	185661	0	704	51033	0	27493	0	135800
State of Iowa	8942908	1579531	625853	3379877	1214633	832777	1310237	2696817	1808417

Table 5. Percentage of Total Direct Federal Funds Received as Retirement and Disability Payments in Iowa's Counties, 1987, 1992, and 1997.

County	1997	1992	1987	County	1997	1992	1987
Adair	47.5	42.8	32.0	Jefferson	47.6	41.1	44.1
Adams	44.1	40.6	33.8	Johnson	24.6	24.4	25.0
Allamakee	53.1	48.3	42.5	Jones	53.5	50.0	39.5
Appanoose	52.2	47.0	50.4	Keokuk	47.2	42.0	36.7
Audubon	46.6	43.2	34.1	Kossuth	52.3	46.5	31.4
Benton	54.3	48.6	43.3	Lee	53.8	50.8	54.8
Black Hawk	50.2	43.1	42.4	Linn	33.4	32.4	22.4
Boone	44.3	51.9	46.7	Louisa	43.6	47.1	37.2
Bremer	55.5	50.5	39.2	Lucas	50.7	42.4	45.2
Buchanan	52.5	51.8	37.9	Lyon	53.8	49.4	a
Buena Vista	45.0	47.0	30.7	Madison	52.0	45.6	42.4
Butler	51.2	49.5	37.0	Mahaska	45.9	48.7	45.2
Calhoun	53.6	51.0	36.7	Marion	45.8	37.7	39.4
Carroll	52.7	50.1	41.7	Marshall	50.0	51.8	50.1
Cass	52.7	51.7	37.9	Mills	34.1	45.8	40.9
Cedar	49.8	46.5	35.5	Mitchell	54.6	53.0	36.9
Cerro Gordo	50.2	53.8	42.3	Monona	46.3	45.0	33.9
Cherokee	54.8	52.2	39.3	Monroe	50.1	48.3	47.3
Chickasaw	33.1	47.0	a	Montgomery	50.1	47.8	40.8
Clarke	47.3	43.5	36.8	Muscatine	54.2	48.5	44.8
Clay	49.0	47.9	39.6	O'Brien	55.5	50.7	38.8
Clayton	49.9	46.1	35.0	Osceola	54.1	48.5	20.0
Clinton	50.1	53.2	48.5	Page	54.3	46.1	46.1
Crawford	43.2	40.6	33.3	Palo Alto	48.5	44.4	31.8
Dallas	55.6	51.8	42.9	Plymouth	52.9	50.9	38.7
Davis	48.9	43.8	40.0	Pocahontas	50.7	49.3	31.9
Decatur	43.7	38.4	33.9	Polk	25.0	24.7	a
Delaware	50.1	46.1	a	Pottawattamie	29.3	26.3	34.0
Des Moines	38.5	41.4	a	Poweshiek	52.7	43.1	41.3
Dickinson	60.3	55.0	49.1	Ringgold	44.4	40.7	32.0
Dubuque	53.4	49.0	43.8	Sac	55.3	53.1	39.7
Emmet	46.0	42.0	37.0	Scott	47.7	54.1	40.1
Fayette	50.7	46.0	33.2	Shelby	48.0	46.7	34.9
Floyd	46.5	52.3	40.7	Sioux	49.3	48.0	36.8
Franklin	51.1	44.9	31.1	Story	32.8	28.5	25.5
Fremont	46.8	47.0	37.0	Tama	48.2	47.0	33.5
Greene	55.3	49.7	37.1	Taylor	42.9	41.6	36.1
Grundy	56.2	53.5	38.8	Union	47.8	41.3	43.0
Guthrie	51.3	48.9	40.4	Van Buren	49.4	46.8	40.8
Hamilton	52.4	44.5	37.1	Wapello	53.3	50.5	51.2
Hancock	52.3	49.7	32.0	Warren	54.5	48.7	49.5
Hardin	52.8	51.7	42.3	Washington	49.5	53.6	41.5
Harrison	49.0	46.7	35.6	Wayne	45.4	39.9	35.4
Henry	55.3	52.5	47.9	Webster	50.0	47.2	46.0
Howard	48.7	42.7	32.0	Winnebago	52.3	48.7	35.1
Humboldt	53.3	50.3	38.4	Winneshiek	46.0	44.1	35.5
Ida	54.1	50.1	32.4	Woodbury	47.2	45.7	45.5
Iowa	39.6	47.3	35.2	Worth	48.6	48.6	32.8
Jackson	a	47.3	41.7	Wright	54.0	51.9	39.7
Jasper	53.9	51.2	46.9	Undistributed	0.2	0.2	0.3
				State of Iowa	40.0	38.8	37.8

^aPercentages in these instances are not appropriate because of data anomalies in other categories

subcategory was \$2 billion from 1987 to 1997. Retirement or disability payments constituted the largest part of direct federal expenditures and obligations in all but six Iowa counties. Chickasaw, Johnson, Linn, Mills, Polk, and Pottawattamie, which were the exceptions, received more federal funds in grant or procurement contract awards or in the "other" category than in any others listed. Twenty-two counties received at least \$50 million in the retirement/ disability category in 1997, with 11 above \$100 million. Only Adams (\$9.9 million) noted less than \$10 million in this subcategory of payments to individuals.

Another 19.8 percent (\$2.7 billion) of the total direct federal expenditures or obligations were in the form of other payments to individuals. Included here would be federal payments for Medicare, unemployment compensation, some types of veterans compensation, supplemental security income payments, and food stamps, for example. In 1997, other payments received by individuals ranged from \$4.4 million in Adams to \$264 million in Polk. Black Hawk, Linn, and Scott also had more than \$100 million in other payments to individuals from federal sources.

Procurement contract awards totaled nearly \$806 million in 1997. These are contracts with the Department of Defense, Postal Service, and other federal agencies. This subcategory was the most unevenly distributed across counties among the data reported in Tables 1 through 4. In 1997, three counties (Johnson, Linn, Polk) received more than half (62.0%) of all dollars for procurement contract awards in the state, with Linn alone (\$342 million) accounting for 42.4 percent of the total.

The "other" subcategory among direct federal expenditures or obligations amounted to nearly \$1.6 billion in 1997. This subcategory included a variety of federal programs (National Science Foundation, National Aeronautics and Space Administration, National Endowments for the Arts and for the Humanities, additional Department of Agriculture programs, and National Flood Insurance Claim Payments, among others). Most of these funds in Iowa were related to agriculture (feed grain production stabilization payments, conservation reserve program, crop insurance claims and payments), although none of these were direct payments to individuals. In 1997, Polk (\$623 million) and Pottawattamie (\$280 million) exceeded \$100 million in this subcategory; Clay, Kossuth, and Woodbury were the only other counties receiving at least \$10 million. Thirty-five counties received less than \$5 million each in 1997.

Other Federal Assistance

Data for two other kinds of federal assistance were available. Direct loans from federal sources (commodity loans-price supports, farmers home administration-rural housing loans, water and waste disposal system loans, housing for the elderly or handicapped) accounted for \$1.1 billion of the \$5.3 billion total for other federal assistance. These figures tend to vary by huge amounts from year to year, primarily because direct loans related to agriculture were much greater some years than others. In Iowa, \$646 million of the \$1.1 billion in this subcategory was related to commodity loans in 1997. Direct loans were at least \$10 million in 36 counties in 1997; in 1996, 11 counties exceeded that level. Twenty-four counties received less than \$5 million in direct loans in 1997.

Guaranteed loans and insurance totaled \$4.2 billion in 1997. This subcategory included several loan programs (mortgage insurance for homes, higher education act insured loans, veterans housing loans, small-business loans, for example) and two types of insurance (flood, crop). Figures for these expenditures also vary substantially from one year to the next; the lowest total was \$1.8 billion in 1987 while 1996 was the highest at \$4.8 billion. About \$3.5 billion of the \$4.2 billion for guaranteed loans and insurance was related to crop insurance in 1997. Totals from all the guaranteed loan and insurance programs exceeded \$50 million in 17 counties, led by Polk with \$313 million. Nine others received less than \$10 million in guaranteed loans and insurance from federal sources.

Percentage of Total Direct Funds Received as Retirement and Disability Payments

In 1997, retirement and disability payments accounted for \$2 of every \$5 of federal funds sent to Iowa (Table 5). The 1997 figure (40.0%) was slightly higher than those for 1992 (38.8%) and 1987 (37.8%). In 1997, retirement or disability payments accounted for at least 50 percent of all the funds from direct federal expenditures or obligations in 53 counties. In 1987, four counties had percentages of at least 50 when retirement or disability payments were compared with total federal funds disbursed. The

percentage that retirement and disability payments constituted of all federal funds increased in most counties when 1987 and 1997 were compared.

Notes: The source of this information is an annual CONSOLIDATED FEDERAL FUNDS REPORT: FISCAL YEAR, Volume 1: County Areas (Washington, DC: U.S. Department of Commerce, Bureau of the Census). See also a companion report on subcounty areas (Volume II) and a state report (FEDERAL EXPENDITURES BY STATE FOR FISCAL YEAR). Information by county for the years 1983 through 1986 and 1988 through 1991 was published in the 1991 edition of our county data book; the 1993-1995 data were included in the 1996 edition.

As an example of the type of programs included, expenditures on grants were accumulated from the following federal sources: Department of Agriculture, Department of Commerce, Department of Defense, Department of Education, Department of Energy, Environmental Protection Agency, Equal Employment Opportunity Commission, Federal Emergency Management Agency, Department of Health and Human Services, Department of Housing and Urban Development, Department of Interior, Department of Justice, Department of Labor, National Foundation on the Arts and the Humanities, Department of Transportation, Department of Treasury, and Department of Veterans Affairs. Each of these has many subdivisions, of course; in agriculture, for example, 22 areas are noted, including the Agricultural Marketing Service, Extension Service, Farmers Home Administration, Food and Nutrition Service, Food Safety and Inspection Service, Forest Service, and Soil Conservation Service. Although these subdivisions contribute to the total figures, information by county is not included on each one of them.

Some negative signs may be included in the tables. That's because initial amounts obligated may be adjusted at a later date, either through enhancements or deobligations. These deobligations appear as negative amounts.

Personal Bankruptcy Cases (Chapter 7) Filed in Iowa's Counties: 1993-1997

Margaret Hanson, Iowa State University

Willis Goudy, Iowa State University

George Prentice, Clerk, U.S. Bankruptcy Court (Northern District of Iowa)

Mary M. Weibel, Clerk, U.S. Bankruptcy Court (Southern District of Iowa)

Filing for bankruptcy can be done in several manners, although Chapter 7 filings are the most common. An individual can file; joint spouse filings are permitted as well. Nonindividuals (for example, corporations and partnerships) also can file for Chapter 7 bankruptcy, but they are not included here. Chapter 7 is designed for debtors in financial difficulty who do not have the ability to pay their existing debts. The purpose of filing a Chapter 7 case is to obtain a discharge of those existing debts; however, some debts (for example, certain taxes, student loans, alimony) may not be discharged under the law. Records of Chapter 7 filings are handled by the Northern and Southern Federal District Courts in the State of Iowa. Cases are recorded according to the county of residence of persons filing them.

In 1997, 8,437 personal Chapter 7 bankruptcy cases were filed in Iowa. Generally, the higher the population in a county, the greater the number of cases (Table 1). Polk had 1,470, while Linn and Scott were the only others with at least 500 that year. These three counties accounted for nearly a third (31.1%) of the cases. The addition of Black Hawk, Des Moines, Pottawattamie, and Woodbury, each of which had at least 200, to Polk, Linn, and Scott raised the total to almost half (48.4%). Another 12 counties had from 100 to 199. Fewer than 50 cases were listed in 70.0% of Iowa's counties; Mitchell and Palo Alto were the only counties reporting nine or fewer in 1997, however. In 1993, 24 counties had fewer than 10 cases, while 10 noted at least 100.

Personal Chapter 7 bankruptcy cases in Iowa increased dramatically from 1993 to 1997. The gain was 4,000, which represented nearly a doubling (+90.2%) in that relatively brief period. While increases occurred between each year, the change was less than 1 percent (+15 cases) between 1993 and 1994 while it was nearly 36 percent (+1,926 cases) between 1995 and 1996. The gain from 1996 to 1997 also exceeded 1,000.

More personal bankruptcy cases were filed in 1997 than in 1993 for all but four counties; Franklin had four fewer at the end of the period than at the beginning, Guthrie had three fewer, and Mitchell and O'Brien had the same number in 1993 and 1997. Increases exceeded 100 in Black Hawk, Linn, Polk, Pottawattamie, Scott, Webster, and Woodbury, with the gain of 635 in Polk the only one greater than 300.

In percentage terms, 58 counties reported greater increases from 1993 to 1997 than the state's growth of 90.2 percent in the number of personal Chapter 7 bankruptcy cases filed. Of course, many of the counties with large percentage gains had relatively small numbers of cases filed both years.

Table 1. Personal Bankruptcies in Iowa's Counties, 1993-1997.

County	1997	1996	1995	1994	1993	County	1997	1996	1995	1994	1993
Adair	25	11	5	4	8	Jefferson	57	62	43	35	31
Adams	16	3	2	2	2	Johnson	189	164	88	82	95
Allamakee	22	20	16	9	4	Jones	48	39	22	18	15
Appanoose	30	29	18	14	15	Keokuk	24	20	20	8	10
Audubon	11	11	14	6	7	Kossuth	21	27	19	9	17
Benton	65	52	28	38	27	Lee	131	101	83	65	52
Black Hawk	369	369	234	215	190	Linn	597	444	320	292	301
Boone	92	95	62	45	36	Louisa	16	25	16	22	15
Bremer	33	30	27	19	18	Lucas	21	16	9	13	14
Buchanan	50	43	32	26	25	Lyon	12	11	9	7	3
Buena Vista	45	33	25	30	26	Madison	33	36	22	23	19
Butler	38	25	18	8	11	Mahaska	14	16	7	13	8
Calhoun	32	31	16	15	12	Marion	89	72	48	51	45
Carroll	38	32	20	15	33	Marshall	119	101	77	58	61
Cass	38	28	23	23	9	Mills	53	44	32	25	21
Cedar	39	24	18	12	15	Mitchell	8	13	6	6	8
Cerro Gordo	137	125	81	69	76	Monona	36	25	20	23	19
Cherokee	28	39	26	14	24	Monroe	30	22	9	13	11
Chickasaw	26	24	11	13	16	Montgomery	39	31	19	15	20
Clarke	27	24	9	13	15	Muscatine	145	145	103	105	101
Clay	42	28	22	22	26	O'Brien	22	19	16	14	22
Clayton	26	31	20	12	8	Osceola	11	7	12	3	3
Clinton	164	154	154	107	110	Page	33	39	17	23	10
Crawford	47	34	26	22	14	Palo Alto	9	12	8	10	7
Dallas	109	81	60	41	41	Plymouth	59	40	37	20	16
Davis	19	15	12	7	7	Pocahontas	10	18	19	11	4
Decatur	21	20	9	7	6	Polk	1470	1209	947	771	835
Delaware	26	29	19	13	9	Pottawattamie	386	381	218	220	243
Des Moines	224	216	175	114	128	Poweshiek	31	33	25	16	15
Dickinson	49	32	21	24	26	Ringgold	11	7	7	4	5
Dubuque	197	142	132	97	105	Sac	17	22	16	17	15
Emmet	35	23	18	16	17	Scott	554	512	455	302	331
Fayette	53	18	28	17	18	Shelby	25	20	19	19	8
Floyd	44	35	21	16	22	Sioux	32	34	24	13	14
Franklin	10	18	17	15	14	Story	147	107	68	77	55
Fremont	33	18	13	10	13	Tama	36	39	23	19	20
Greene	22	12	18	11	10	Taylor	17	9	4	10	10
Grundy	21	18	21	9	9	Union	31	33	22	10	19
Guthrie	14	26	17	18	17	Van Buren	21	17	6	9	5
Hamilton	38	39	30	25	29	Wapello	126	136	94	76	62
Hancock	26	36	18	11	12	Warren	105	114	68	59	59
Hardin	35	39	31	27	15	Washington	46	33	44	22	18
Harrison	45	45	30	29	20	Wayne	21	19	9	15	5
Henry	84	57	53	43	41	Webster	179	137	111	80	74
Howard	17	15	10	3	9	Winnebago	23	26	14	14	13
Humboldt	31	26	21	8	17	Winneshiek	22	13	12	8	5
Ida	16	19	11	6	7	Woodbury	485	370	318	289	264
Iowa	19	30	14	18	13	Worth	22	15	8	8	6
Jackson	44	40	20	20	18	Wright	33	54	24	16	17
Jasper	99	92	56	56	61						
State of Iowa							8437	7325	5399	4452	4437

Retail Sales in Iowa's Counties:

1980-1997

Kenneth Stone, Iowa State University
Scott Baumler, Iowa State University
Sandra Charvat Burke, Iowa State University
Willis Goudy, Iowa State University
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The Iowa Department of Revenue and Finance annually reports retail sales tax receipts by the location of sales. Because these taxes are a set percentage of sales, they can be used to generate the actual dollars received from those sales. These data have been aggregated by county in this report. Adjustments have been made in the figures for counties in which additional sales taxes have been generated through local options approved by voters. Receipts are reported from the department's fiscal year of 1 April through 30 March; thus, the numbers in the tables under 1997 cover the period from 1 April 1996 through 30 March 1997.

Retail Sales

In 1980, more than \$15 billion in retail sales were reported in Iowa (Table 1). These figures cover all retail sales; estimates are included for the small portion for which sales tax is not paid. By 1997, this figure had increased to more than \$28 billion. Increases of more than \$1 billion from 1988 to 1989, from 1989 to 1990, and the five most recent comparisons were the largest reported between 1980 and 1997. Minor decreases occurred between 1980 and 1981 and between 1985 and 1986.

Sales varied greatly among Iowa's counties. In 1997, for example, Polk had retail sales of \$6.2 billion, which was more than a fifth (22.0%) of all retail sales in the state. Five other counties (Black Hawk, Johnson, Linn, Scott, Woodbury) reported at least a billion dollars in sales. Half (50.8%) of all sales in the state were generated in these six counties in 1997. Sales were less than \$50 million in 18 counties; three of them (Adams, Ringgold, Taylor) had receipts from sales of less than \$25 million in 1997.

When 1987 and 1997 are compared, 93 counties had sales that were greater at the end of the period than the beginning (Figure 1). The greatest increase was in Polk (+\$2.7 billion); Linn's \$1.1 billion gain was the second highest. Another 16 counties reported at least \$100 million more in sales in 1997 than in 1987. Of the six counties that declined in sales, four (Keokuk, Louisa, Mills, Worth) dropped by less than \$5 million when 1987 and 1997 are compared. Calhoun (-\$7.1 million) and Lucas (-\$9.6 million) had slightly higher decreases.

One major change occurred in the manner in which data were reported in 1997, which greatly added to sales in Union County and decreased totals in others. Receipts of one firm covering a large geographic area were credited to Union alone in 1997 unlike previous years. Unfortunately, information is not available to reapportion sales among the affected counties; those counties would have had somewhat higher figures in 1997 if sales from this firm had been attributed to them as they were in previous years.

The state's increase in retail sales from 1987 to 1997 was 57.3 percent, a level exceeded by 17 counties. These sales more than doubled in Iowa and Union counties and increased by 75-99 percent in Dickinson, Johnson, Linn, and Polk. Three deserve special mention. Iowa County began the period at \$92 million; it was \$107 million higher by 1997, with much of the increase due to a major shopping center constructed near an interstate highway. Sales in Dickinson gained \$99 million by 1997 from its base of \$101 million in 1987; this is related to its status as a recreational center. The increase in Union was due in large part to the data reporting change noted previously.

Table 1. Retail Sales (in \$1,000s) in Iowa's Counties, 1980-1997*.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	54452	51431	47615	47085	44794	44158	41630	40683	40798	41626	42847	43041	42748	44944	48603	47299	45732	46122
Adams	23407	23113	22899	22261	21142	20202	19390	19600	19780	20205	20149	18471	19139	20044	22426	21147	19710	20544
Allamakee	89431	88453	86950	80958	79335	76400	76268	68683	68593	70415	68834	65866	66158	66812	67298	67098	61841	61787
Appanoose	85220	80982	81773	83133	84566	79520	71767	66834	68339	66703	71046	64235	62429	63322	64160	62947	65866	65428
Audubon	34495	33324	31544	33009	33361	33898	32634	28740	28482	29768	28980	30633	33449	34900	37079	33906	33939	38407
Benton	122107	111402	102923	99719	95356	92304	90474	85157	83217	82078	80411	76461	83023	84497	87937	86707	87513	89725
Black Hawk	1378924	1319854	1259540	1199518	1159371	1099887	1063237	1005436	940556	854311	817100	791059	822513	811969	790325	807585	789589	772710
Boone	160518	154169	148923	145523	140752	136507	132792	127000	117378	112314	106344	106351	108035	108428	103032	95100	98033	101264
Bremer	140951	137423	131954	134048	126414	124219	120756	113444	109543	107662	103908	98188	104160	107199	108042	110078	108326	105713
Buchanan	104169	107284	109990	107471	103393	98632	93557	92402	86499	84045	79745	76597	81744	81323	86940	80862	77594	81309
Buena Vista	163791	157696	152603	150104	146352	142910	142795	133518	131636	131353	135676	121581	130724	135402	130199	123003	122209	127355
Butler	57784	55527	59340	57534	57101	54690	53557	51979	53334	54099	54114	55383	56147	59521	63417	62111	58905	61055
Calhoun	49496	45723	44288	46734	45074	42033	42986	46649	62068	72101	56649	47478	49059	53035	56397	55578	56799	59779
Carroll	219656	206239	198360	196771	182835	171669	165652	160253	155566	151356	146098	133510	138373	145997	145810	135468	131918	138155
Cass	112914	106159	103713	101806	99442	99613	97058	93991	92502	91466	91176	90453	99347	99477	100620	95004	97155	96427
Cedar	81070	76532	74095	72715	71584	66862	64865	62519	62293	61762	66642	61449	64041	65441	75801	71742	71293	72972
Cerro Gordo	602761	568991	534815	501078	474966	457949	450533	430451	410350	383790	374668	350064	346906	334994	324798	303631	292656	286525
Cherokee	96549	92970	91890	88924	84406	82744	81155	76089	78368	75565	75319	75924	78129	81172	84826	77383	77344	79824
Chickasaw	77493	70723	69606	66468	63453	61055	57772	55368	56659	57575	62371	55401	59103	61607	64650	65488	63330	67894
Clarke	51422	48825	46218	47843	49833	50298	48344	45941	44588	43367	41534	40363	38561	39612	38831	41525	42492	40470
Clay	193033	181456	172511	164434	152634	146960	146136	141888	138520	129794	128404	119482	130165	136207	136110	136788	137205	136717
Clayton	90328	87940	83671	81083	78309	78141	73662	70078	70007	73354	72332	67995	72654	78598	81423	80203	80647	87199
Clinton	399807	387172	368345	359805	351560	340329	333187	319160	316064	296565	282351	279952	275889	277727	274440	275239	269954	260690
Crawford	108440	104733	103324	99678	97598	95067	88688	84819	83143	83294	83713	79601	81903	82604	83005	77920	78913	80950
Dallas	164126	157618	145980	139815	133466	129483	127506	119478	115311	110024	111437	111967	123929	125069	120607	119091	117625	116938
Davis	40424	36051	34921	34904	34490	33915	33206	30791	31157	30452	30529	30395	28688	28422	29812	30876	29798	29333
Decatur	26692	25888	26467	33149	26239	26259	25956	24149	24668	24262	24037	24583	24871	25147	25550	26367	25971	24699
Delaware	101079	97930	97376	95003	90454	89378	85243	74415	72518	80114	73093	70176	73033	73519	76392	73610	72574	75055
Des Moines	463805	440530	429853	421306	394399	385059	361824	340744	335287	317488	298971	284125	276396	266705	267579	260038	254610	252944
Dickinson	200181	189909	185595	169777	168501	153482	148070	136452	120573	110234	101287	92539	94166	92911	86185	81572	79391	81664
Dubuque	936663	920570	895062	818488	788170	745005	703878	668050	635491	612932	575734	551085	538324	528239	507296	499035	497984	496155
Emmet	92528	88369	83397	82752	79685	76437	74725	73993	71815	67935	69253	61522	61893	67385	64646	67868	69271	67281
Fayette	138483	133657	131721	128311	125474	122307	120073	114107	111876	111273	116063	112668	113015	117588	120125	121387	119314	122679

*The fiscal year for these data runs from 1 April through 30 March; thus, 1997 refers to the period from 1 April 1996 through 30 March 1997.

Table 1. Retail Sales (in \$1,000s) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	113504	103069	94625	96646	98589	95646	90844	89561	88823	84161	82582	79681	86301	88630	88137	88986	83998	85736
Franklin	63193	60744	57930	56413	54793	56306	53104	50283	54094	56102	62215	52931	57200	57593	67425	66187	67370	68697
Fremont	46818	47165	41014	44834	42349	36287	30904	30549	31573	31947	33648	32322	35844	34468	34197	32951	30393	28359
Greene	67558	64937	63183	63833	61487	56691	52327	52089	51318	50701	51754	50322	53954	57158	57829	54525	56523	59423
Grundy	54620	52841	51599	50052	48782	46818	44610	41951	43334	46217	49093	46656	52791	53636	58373	57640	55654	56226
Guthrie	56563	55670	53937	50852	47796	48638	46637	45106	44591	41138	40133	39004	41808	43702	44011	41238	40488	43751
Hamilton	98082	101340	97075	94948	92022	90087	93027	88007	86618	84391	81930	79727	83581	85720	87310	84114	83164	87868
Hancock	61207	60690	58787	56937	55084	53407	53380	52951	55864	55545	56306	54241	57127	60703	62488	59728	60842	65778
Hardin	159577	150040	147087	134712	127418	125287	121269	114617	113661	116399	114209	115277	120061	125928	126560	123838	124053	128964
Harrison	63867	60805	59290	56663	60525	57011	53677	51358	50229	50925	56228	53227	54147	57513	57228	53888	57502	58310
Henry	127007	129776	122683	120015	136446	132010	126527	117024	116959	112340	110256	98335	96785	93046	94097	87927	87928	89433
Howard	55426	52647	55211	53338	52079	49973	47472	43960	43774	46009	49438	45171	44870	48219	50810	50358	47783	49418
Humboldt	70105	66124	64101	63376	62787	60039	59530	60935	59778	59135	56735	54634	58218	60688	61498	62531	60815	62396
Ida	53509	50458	47014	47653	44822	45335	43658	45565	45270	46455	45619	43352	45025	47134	47047	41097	39781	42423
Iowa	199092	181811	178728	174072	160638	151840	112269	101882	97437	92812	91992	86416	88467	88903	86181	84776	85495	83459
Jackson	110166	104953	103088	103107	100184	96596	94149	85880	84868	83579	84608	83105	83106	84821	84828	82866	82175	82451
Jasper	228313	212353	210481	205045	219770	227739	224584	211708	189793	188372	182496	180102	184622	180871	170856	164412	162003	167233
Jefferson	136100	130884	121207	111587	106444	98528	95047	94566	100221	94971	89634	84911	82374	77579	74412	72195	71759	71203
Johnson	1042787	990928	947020	888226	825557	774419	738389	705148	656467	597298	578282	528083	518157	497889	459339	415822	387711	366750
Jones	131621	128566	126388	123460	116655	112303	112409	105949	108813	102412	100147	91482	92454	89342	89620	88015	84458	91639
Keokuk	35800	33840	34101	36883	38334	37380	36145	35445	35652	37943	39859	39294	40714	40782	45875	45873	45019	48967
Kossuth	119668	120377	118822	112712	109526	105949	104626	103791	98556	99967	108226	106751	113328	121174	123847	127761	121319	128373
Lee	324003	315634	311386	300336	284046	274242	263718	251736	245632	239793	241840	229971	230595	222663	223988	218822	215502	209094
Linn	2575164	2545158	2390230	2217771	2031936	1907676	1834635	1737351	1631777	1516450	1439992	1361418	1334752	1246837	1169591	1132107	1106281	1109708
Louisa	29254	30244	30379	30338	31488	30483	29605	29806	30783	29888	31010	33557	33083	32968	36593	35565	36072	34548
Lucas	41307	36868	42027	38177	62960	62463	62313	55286	59295	56229	50918	38541	39960	39997	39632	41618	40424	39551
Lyon	51926	48835	48822	49347	47457	46263	44680	40657	40654	40907	41952	37061	39205	41662	44469	41085	42977	48149
Madison	67730	64123	61355	56897	56209	52047	49925	46773	42930	41419	39102	34230	34359	36101	38461	37487	38359	39185
Mahaska	169918	160253	159174	164390	160278	155131	145140	133378	130331	130564	128008	123531	123501	118403	119015	111827	111709	117659
Marion	213265	204039	192734	184628	172626	165384	161591	156081	153508	148284	141318	135236	131088	126509	122319	119283	114955	118698
Marshall	366384	363306	352792	350465	313405	301437	297446	280758	268442	251609	234886	234918	240047	232617	227858	218573	216640	210844
Mills	40530	40034	39250	39670	42245	42767	42203	40956	39596	39210	41294	39201	39816	40204	40748	38588	37664	37416
Mitchell	62833	59861	58786	56292	54365	52766	51710	47986	46859	49373	49318	44722	47349	49949	51808	50221	49078	52790

Table 1. Retail Sales (in \$1,000s) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	55569	51243	48686	48161	48763	45525	45416	44440	45389	44972	47540	46697	45692	50602	50872	49872	51069	56761
Monroe	40944	42651	42339	39615	38608	34915	36810	35468	33854	32752	32884	32103	31983	32531	30907	31496	30683	31009
Montgomery	93637	91439	96583	95943	93309	87408	87705	86810	85279	79231	73427	68593	71589	72701	67219	67734	67604	67045
Muscatine	342598	324487	322694	314481	302688	283404	272409	261989	249746	233345	220120	220037	230943	225050	216307	212491	197822	186131
O'Brien	101315	96469	92637	92254	89599	86581	86453	86120	88484	90297	85916	75044	77701	81619	83799	80234	77940	83884
Osceola	36454	34727	34175	32206	32215	30862	30326	30639	28905	28885	28410	27739	29411	33807	34031	32469	33167	35583
Page	105613	108146	102513	99411	94002	91498	92622	91696	93088	90483	92594	89286	93216	94414	94741	92808	95825	100857
Palo Alto	57946	53708	50920	48943	43950	42558	42691	41576	41056	40860	43389	41834	43766	48570	51476	49188	49792	51980
Plymouth	152481	142261	137331	135414	131779	127175	119529	112889	109781	107755	105145	97563	99411	99433	97457	92418	91142	96470
Pocahontas	42585	41077	39933	39484	38671	39297	37076	36087	36309	37130	36999	40681	47066	48838	51013	48543	49264	51667
Polk	6205982	5942471	5646934	5360643	5007727	4720949	4502306	4358547	4111700	3765168	3513382	3254482	3070912	2906398	2608614	2466204	2376725	2370263
Pottawattamie	771384	722846	658474	592235	559849	539073	521820	516367	498007	471803	444704	407113	413236	404873	384239	355209	350131	331083
Poweshiek	134429	134308	121707	127026	171640	172050	165222	151782	149521	128647	124048	117415	116584	111770	109707	102023	91512	91625
Ringgold	22253	21376	20304	21556	21870	22082	21318	20106	20100	19984	20260	19745	19047	19758	21107	22428	21279	23230
Sac.	63283	59038	57106	55836	53600	55204	53239	50086	49432	48747	49668	47783	52836	55206	61277	57532	59094	65781
Scott	1958299	1913996	1807408	1716910	1638392	1616729	1497100	1481015	1294922	1252558	1188962	1164155	1155406	1078089	1019768	1009623	975293	947266
Shelby	79561	73879	72597	72384	70762	67303	67623	64635	65548	64526	65588	64131	64640	67773	71355	66797	66608	69731
Sioux	221950	206073	198590	195676	182904	175896	167023	151036	139978	136838	133378	125073	132152	139892	140755	134004	131772	144055
Story	672914	627577	614286	578424	560705	527998	514331	478348	450646	428724	414177	396356	382423	370258	355057	335070	323558	311719
Tama	88387	86395	85103	82526	78979	78062	74844	73588	72919	71343	79626	76870	75440	80291	82725	82449	81227	86014
Taylor	21612	21011	21038	20798	19994	19263	18782	17669	17514	17964	19563	18824	19580	21649	23229	23800	23175	25781
Union	226724	110097	101190	96527	89581	86036	85367	75755	71149	71173	70111	68371	66582	67832	68050	65517	64792	67752
Van Buren	25171	23325	22738	23887	20842	21538	19147	18889	16667	16448	16265	17301	18128	17141	17923	19060	21068	22356
Wapello	322735	310418	289523	305815	288355	272987	263945	247915	215842	201028	197748	201279	202055	193091	188781	179792	185458	178592
Warren	151252	148693	141207	134492	125687	121462	117155	103684	98670	92747	88740	87098	86648	84468	81136	79895	76172	78876
Washington	128540	121786	117997	120843	116882	114654	112964	104245	101002	105772	103420	99414	103264	101910	107640	101395	99450	103438
Wayne	27575	27071	25236	23511	23318	22154	22066	21005	20549	20307	21015	21308	20856	21075	23491	25248	24556	27062
Webster	462345	452117	445459	418014	398339	386136	374260	377872	317645	298096	306071	295336	304707	301798	297795	288763	290808	298213
Winnebago	71417	72733	71728	66364	63060	61681	61605	60232	59411	56784	57722	55101	57501	59349	56281	54153	54685	56870
Winneshiek	152878	142369	139072	135092	130892	127748	123919	116184	110092	107402	102934	91806	91095	89734	91174	89851	85230	83811
Woodbury	1157918	1140375	1089725	1033068	963271	909134	868587	847458	810994	763298	725923	695572	697824	684745	660299	632564	611872	594253
Worth	25952	25165	24451	23668	22040	22137	21766	21090	21978	22302	27722	31579	24061	26370	29524	27631	30134	33565
Wright	99339	95519	89836	87611	83669	81799	78197	73896	71520	72469	72790	73763	79513	86141	89211	91243	85481	87188
State of Iowa	27064108	25830411	24641528	23471508	22429291	21509747	20646143	19620270	18615486	17927124	17007366	16201576	15730689	15380853	15357655			

Table 2. Retail Sales Adjusted for Inflation (1997 dollars in \$1,000s) in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	54452	52968	50389	51165	49955	50726	49472	50878	53527	56911	60979	62062	63706	69273	77206	78913	83383	94779
Adams	23407	23804	24233	24190	23578	23207	23043	24511	25951	27624	28675	26634	28523	30895	35623	35282	35938	42217
Allamakee	89431	91096	92016	87973	88475	87763	90634	85895	89994	96272	97963	94974	98595	102979	106902	111945	112754	126970
Appanoose	85220	83402	86537	90337	94309	91347	85285	83582	89662	91198	101112	92622	93037	97600	101917	105021	120093	134452
Audubon	34495	34319	33382	35869	37205	38940	38781	35942	37368	40699	41244	44170	49849	53792	58899	56568	61880	78924
Benton	122107	114731	108919	108359	106342	106033	107516	106498	109182	112218	114439	110251	123728	130238	139687	144661	159562	184381
Black Hawk	1378924	1359290	1332918	1303454	1292943	1263473	1263507	1257397	1234017	1168028	1162878	1140649	1225785	1251513	1255425	1347368	1439661	1587879
Boone	160518	158776	157599	158132	156969	156810	157805	158825	154001	153558	151346	153350	161004	167124	163665	158663	178744	208092
Bremer	140951	141529	139641	145663	140978	142694	143502	141873	143721	147197	147879	141580	155228	165228	171624	183654	197510	217234
Buchanan	104169	110489	116397	116783	115305	113301	111180	115558	113488	114907	113491	110447	121823	125345	138104	134909	141478	167086
Buena Vista	163791	162407	161493	163110	163213	164165	169691	166977	172707	179588	193091	175310	194817	208700	206821	205217	222824	261709
Butler	57784	57186	62797	62519	63680	62824	63645	65005	69975	73965	77014	79858	83676	91741	100738	103625	107402	125465
Calhoun	49496	47090	46868	50784	50267	48285	51083	58340	81433	98578	80622	68459	73113	81745	89585	92726	103561	122842
Carroll	219656	212402	209915	213821	203900	197201	196854	200412	204103	206936	207923	192512	206216	225030	231618	226013	240527	283901
Cass	112914	109331	109755	110627	110899	114429	115340	117545	121363	125054	129760	130426	148056	153327	159835	158505	177143	198152
Cedar	81070	78819	78412	79016	79832	76806	77083	78187	81729	84441	94844	88605	95440	100867	120409	119693	129989	149955
Cerro Gordo	602761	585992	565972	544496	529687	526060	535395	538321	538382	524724	533219	504766	516992	516337	515939	506575	533600	588794
Cherokee	96549	95748	97243	96629	94131	95051	96441	95156	102819	103314	107192	109476	116435	125114	134746	129105	141021	164035
Chickasaw	77493	72837	73661	72228	70763	70136	68654	69243	74338	78717	88765	79884	88081	94957	102696	109260	115470	139519
Clarke	51422	50284	48910	51988	55574	57779	57450	57454	58499	59292	59110	58200	57468	61055	61683	69281	77476	83165
Clay	193033	186878	182561	178681	170220	168818	173662	177445	181739	177457	182742	172284	193984	209940	216210	228216	250167	280946
Clayton	90328	90568	88546	88109	87331	89763	87537	87639	91850	100291	102941	98044	108275	121145	129339	133810	147045	179190
Clinton	399807	398741	389804	390981	392064	390947	395945	399142	414679	405469	401835	403671	411156	428068	435946	459207	492208	535705
Crawford	108440	107862	109343	108315	108842	109206	105394	106074	109085	113881	119139	114779	122059	127320	131853	130002	143882	166347
Dallas	164126	162328	154485	151930	148843	148741	151523	149419	151289	150426	158595	161448	184691	192772	191583	198691	214467	240303
Davis	40424	37128	36955	37928	38464	38959	39460	38507	40879	41634	43448	43827	42753	43807	47357	51512	54331	60279
Decatur	26692	26662	28009	36022	29262	30164	30845	30201	32364	33171	34209	35447	37065	38759	40587	43990	47353	50756
Delaware	101079	100856	103049	103235	100875	102671	101300	93063	95145	109533	104024	101188	108840	113317	121349	122810	132325	154234
Des Moines	463805	453693	454895	457811	439838	442328	429977	426133	439899	434075	425489	409687	411911	411081	425048	433846	464231	519788
Dickinson	200181	195584	196407	184488	187914	176309	175960	170647	158193	150713	144150	133435	140335	143206	136904	136094	144754	167816
Dubuque	936663	948077	947206	889408	878975	855810	836460	835462	833769	838011	819371	794624	802261	814190	805837	832587	907976	1019573
Emmet	92528	91010	88256	89922	88865	87806	88800	92535	94222	92882	98559	88711	92239	103863	102689	113230	126303	138259
Fayette	138483	137651	139395	139428	139930	140498	142690	142702	146782	152134	165178	162459	168426	181242	190817	202521	217546	252100

*The fiscal year for these data runs from 1 April through 30 March; thus, 1997 refers to the period from 1 April 1996 through 30 March 1997.

Table 2. Retail Sales Adjusted for Inflation (1997 dollars in \$1,000s) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	113504	106148	100138	105020	109947	109871	107955	112005	116536	115066	117528	114894	128613	136608	140005	148463	153154	176183
Franklin	63193	62559	61305	61301	61106	64680	63106	62884	70972	76703	88543	76323	85244	88771	107104	110426	122837	141169
Fremont	46818	48575	43403	48719	47228	41684	36725	38205	41424	43679	47887	46606	53417	53126	54321	54975	55416	58276
Greene	67558	66877	66864	69364	68571	65122	62183	65142	67330	69319	73655	72561	80407	88099	91861	90970	103058	122112
Grundy	54620	54419	54605	54389	54402	53781	53013	52464	56855	63189	69868	67275	78675	82670	92726	96166	101474	115541
Guthrie	56563	57334	57079	55258	53303	55872	55422	56409	58504	56245	57116	56241	62305	67358	69912	68801	73821	89906
Hamilton	98082	104368	102730	103175	102624	103486	110549	110061	113644	115381	116601	114960	124560	132123	138692	140336	151634	180564
Hancock	61207	62504	62211	61870	61431	61350	63435	66220	73294	75942	80134	78212	85136	93564	99261	99650	110933	135171
Hardin	159577	154523	155656	146384	142098	143921	144111	143340	149125	159143	162540	166222	178926	194096	201040	206610	226187	265014
Harrison	63867	62622	62744	61573	67498	65490	63787	64228	65901	69625	80022	76749	80694	88647	90907	89907	104844	119824
Henry	127007	133654	129830	130414	152166	151644	150360	146350	153451	153592	156914	141791	144238	143415	149472	146696	160319	183780
Howard	55426	54220	58428	57960	58080	57405	56414	54977	57431	62904	70359	65132	66869	74322	80711	84017	87124	101551
Humboldt	70105	68099	67835	68867	70021	68968	70743	76205	78430	80851	80744	78778	86762	93541	97689	104326	110884	128220
Ida	53509	51966	49753	51782	49986	52077	51882	56984	59394	63514	64924	62510	67100	72649	74734	68566	72533	87176
Iowa	199092	187243	189140	189155	179146	174423	133416	127413	127838	126895	130921	124605	131842	137029	136897	141440	155883	171505
Jackson	110166	108089	109094	112041	111727	110963	111883	107401	111347	114270	120412	119831	123853	130737	134748	138253	149830	169433
Jasper	228313	218698	222743	222811	245090	261610	266886	264761	249009	257546	259725	259694	275142	278782	271404	274304	295381	343656
Jefferson	136100	134794	128268	121256	118707	113183	112950	118264	131491	129846	127565	122435	122761	119576	118202	120449	130839	146318
Johnson	1042787	1020537	1002191	965188	920670	889599	877471	881857	861290	816636	822998	761456	772206	767411	729656	693754	706915	753652
Jones	131621	132408	133751	134158	130095	129005	133582	132500	142763	140020	142526	131910	137784	137705	142360	146844	153993	188313
Keokuk	35800	34851	36087	40078	42751	42939	42953	44327	46776	51876	56727	56659	60675	62858	72872	76533	82084	100625
Kossuth	119668	123974	125744	122479	122145	121706	124333	129801	129306	136676	154025	153927	168892	186768	196731	213155	221201	263800
Lee	324003	325065	329527	326360	316771	315030	313392	314821	322271	327849	344181	331601	343654	343197	355803	365080	392926	429677
Linn	2575164	2621207	2529478	2409935	2266036	2191405	2180205	2172728	2140905	2073315	2049364	1963063	1989173	1921787	1857887	1888799	2017086	2280395
Louisa	29254	31148	32149	32967	35116	35016	35182	37275	40387	40863	44132	48386	49304	50815	58128	59337	65770	70995
Lucas	41307	37970	44475	41485	70213	71754	74050	69141	77795	76878	72466	55573	59553	61649	62955	69435	73705	81276
Lyon	51926	50294	51666	53622	52925	53144	53096	50845	53338	55928	59705	53440	58426	64214	70639	68546	78359	98944
Madison	67730	66039	64929	61827	62685	59788	59329	58494	56325	56629	55649	49357	51205	55644	61096	62543	69939	80524
Mahaska	169918	165041	168447	178634	178744	178203	172479	166802	170995	178509	182178	178123	184052	182499	189055	186571	203680	241783
Marion	213265	210135	203962	200625	192514	189981	192028	195195	201403	202737	201120	195000	195359	194992	194303	199011	209597	243918
Marshall	366384	374161	373345	380832	349513	346269	353472	351115	352198	344004	334285	338734	357741	358540	361950	364665	395000	433274
Mills	40530	41230	41537	43108	47112	49128	50152	51219	51950	53608	58768	56525	59338	61968	64727	64379	50440	76887
Mitchell	62833	61650	62211	61169	60629	60614	61450	60012	61479	67504	70188	64486	70563	76988	82297	83788	89484	108481

Table 2. Retail Sales Adjusted for Inflation (1997 dollars in \$1,000s) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	55569	52774	51523	52334	54381	52296	53971	55577	59550	61486	67658	67333	68094	77995	80810	83205	93114	116641
Monroe	40944	43926	44805	43048	43056	40108	43744	44356	44417	44779	46800	46291	47665	50141	49095	52547	55944	63723
Montgomery	93637	94171	102210	104256	104060	100408	104225	108564	111887	108326	104500	98907	106689	112056	106777	113007	123263	137774
Muscatine	342598	334182	341493	341731	337561	325554	323720	327644	327669	319034	313270	317277	344173	346877	343602	354518	360690	382489
O'Brien	101315	99352	98034	100248	99921	99459	102737	107702	116091	123456	122274	108208	115797	125803	133114	133861	142109	172378
Osceola	36454	35764	36166	34997	35927	35453	36038	38317	37924	39492	40433	39997	43831	52108	54058	54170	60474	73122
Page	105613	111377	108486	108024	104833	105107	110068	114674	122132	123710	131777	128744	138919	145523	150495	154841	174719	207257
Palo Alto	57946	55313	53886	53184	49014	48888	50733	51995	53866	55864	61750	60321	65225	74863	81769	82065	90785	106816
Plymouth	152481	146512	145332	147147	146961	146089	142043	141179	144033	147325	149641	140679	148152	153259	154810	154189	166180	198242
Pocahontas	42585	42304	42260	42905	43126	45142	44060	45131	47638	50764	52656	58658	70142	75275	81034	80988	89824	106174
Polk	6205982	6120030	5975910	5825129	5584671	5423096	5350357	5450791	5394584	5147800	5000165	4692720	4576561	4479719	4143765	4114595	4333491	4870771
Pottawattamie	771384	744444	696835	643550	624350	619249	620109	645767	653390	645056	632893	587026	615843	624042	610361	592628	638394	680359
Poweshiek	134429	138321	128798	138032	191414	197639	196343	189819	196173	175888	176543	169304	173745	172275	174269	170214	166854	188285
Ringgold	22253	22014	21487	23424	24389	25367	25333	25144	26372	27322	28833	28471	28385	30454	33528	37418	38798	47736
Sac	63283	60802	60432	60674	59775	63415	63267	62637	64855	66648	70687	68899	78741	85091	97339	95986	107746	135178
Scott	1958299	1971186	1912703	1865676	1827153	1857185	1779092	1852155	1698948	1712518	1692103	1678625	1721895	1661692	1619894	1684447	1778256	1946583
Shelby	79561	76086	76827	78656	78914	77313	80361	80832	85999	88221	93344	92472	96333	104460	113346	111444	121446	143293
Sioux	221950	212231	210160	212631	203977	202057	198484	188886	183652	187087	189820	180345	196946	215619	223588	223571	240260	296025
Story	672914	646329	650073	628543	625304	606527	611210	598221	591252	586159	589448	571516	569922	570689	564005	559029	589944	640567
Tama	88387	88976	90061	89676	88078	89672	88941	92029	95670	97541	113322	110841	112428	123755	131407	137558	148101	176755
Taylor	21612	21638	22264	22600	22298	22128	22320	22097	22979	24560	27842	27143	29180	33368	36899	39708	42254	52980
Union	226724	113387	107085	104891	99901	98833	101446	94740	93348	97309	99781	98585	99227	104552	108097	109308	118135	139227
Van Buren	25171	24022	24063	25957	23243	24742	22754	23623	21867	22488	23149	24946	27017	26419	28470	31800	38413	45940
Wapello	322735	319693	306390	332313	321576	313589	313661	310042	283187	274849	281430	290229	301121	297617	299878	299964	338146	366998
Warren	151252	153136	149433	146145	140167	139527	139222	129667	129456	126806	126292	125589	129131	130192	128885	133297	138885	162086
Washington	128540	125425	124872	131314	130348	131706	134242	130369	132516	144614	147184	143347	153894	157076	170985	169166	181328	212561
Wayne	27575	27880	26706	25548	26004	25449	26223	26268	26961	27764	29909	30725	31082	32483	37315	42124	44773	55611
Webster	462345	465626	471410	454234	444232	443566	444755	472566	416752	407562	435593	425853	454103	465170	473045	481770	530230	612813
Winnebago	71417	74906	75907	72114	70325	70855	73209	75326	77948	77636	82149	79451	85693	91476	89402	90348	99707	116865
Winneshiek	152878	146623	147174	146798	145972	146748	147260	145300	144442	146841	146493	132377	135759	138310	144830	149906	155400	172227
Woodbury	1157918	1174449	1153210	1122580	1074250	1044349	1032193	1059829	1064031	1043593	1033118	1002964	1039963	1055419	1048881	1055364	1115629	1221159
Worth	25952	25917	25876	25719	24580	25429	25865	26375	28836	30492	39454	45535	35857	40645	46898	46099	54944	68974
Wright	99339	98373	95069	95202	93309	93965	92926	92414	93834	99081	103592	106361	118498	132772	141711	152229	155857	179166
State of Iowa	28208303		27335222		26175677		25561307		25741950		25513472		25421463		25736088		28001669	
		27872777		26776654		25765200		25820032		25451397		24523353		25760239		26244961		31606881

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1997*.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-18191	-14863	-21275	-19066	-16735	-16404	-15560	-11337	-7808	-3816	-2569	-1424	-2665	1027	7524	-2156	-1881	-5946
Adams	-15355	-12330	-14419	-13001	-10711	-11386	-10839	-9833	-8494	-6680	-6391	-7493	-6070	-5929	-2757	-3770	-5663	-6931
Allamakee	-23862	-21045	-14429	-18091	-15112	-13220	5757	-77	2750	7541	5568	3480	4659	8731	9491	-1250	-5844	-7833
Appanoose	-21313	-23953	-21828	-18997	-10751	-9596	-7755	-9570	-5567	-5092	3813	-2525	-5013	-4180	-3010	-8768	-1907	-5379
Audubon	-30014	-27206	-32011	-26784	-22475	-21051	-8610	-8999	-7334	-6098	-6899	-5225	-1320	729	3095	-10248	-10541	-7743
Benton	-101907	-102573	-109964	-96060	-85969	-78189	-60505	-61154	-53614	-47494	-49149	-48848	-42403	-40326	-35453	-39569	-39626	-38170
Black Hawk	181203	154117	203220	192339	181219	143819	-81759	-61849	-71322	-73656	-77548	-66556	-80988	-93442	-103156	7179	12272	34841
Boone	-90048	-80642	-74087	-70967	-62421	-58553	-61132	-60110	-60687	-58605	-59135	-49880	-49825	-50492	-46798	-43913	-36524	-36501
Bremer	-82413	-78506	-71656	-58168	-56328	-50705	-72214	-67772	-64077	-59041	-50445	-51312	-44429	-40495	-33340	-23041	-21576	-22472
Buchanan	-84546	-73412	-69506	-62326	-55693	-54509	-43039	-37583	-36656	-34121	-39767	-37579	-34313	-37168	-26995	-34634	-35741	-29937
Buena Vista	-17742	-12036	-1565	1541	3790	4194	12887	7097	12582	13424	19194	12279	23330	28972	27957	2767	6147	11842
Butler	-95191	-89329	-69523	-65506	-59947	-59010	-46973	-40127	-35046	-31843	-30472	-28033	-28346	-23959	-18817	-33045	-34682	-37818
Calhoun	-60292	-55175	-50603	-43714	-39369	-39078	-35192	-29579	-9578	4687	-5057	-14552	-14205	-12284	-7491	-15017	-12435	-10866
Carroll	27298	22837	19064	21987	16460	13176	30406	29350	28825	26559	23652	13512	18666	29351	36723	14971	16395	24723
Cass	-9217	-9808	-18669	-13264	-10177	-5171	-9579	-12884	-11352	-7055	-1175	-2902	5895	10523	14923	-5402	-2886	-4013
Cedar	-96320	-91725	-70316	-70357	-70015	-70316	-44315	-51071	-44562	-43818	-38071	-40152	-37687	-36007	-24431	-36727	-37926	-31257
Cerro Gordo	139675	124042	114030	92604	80683	80415	82740	73376	70008	53082	46894	42840	42920	36143	35639	46178	27800	28124
Cherokee	-29560	-23925	-19020	-15773	-15835	-15997	-13745	-18737	-11781	-14518	-8170	-3994	-3061	-764	4442	-8727	-7385	-1064
Chickasaw	-41157	-41349	-40509	-36921	-33848	-32076	-21527	-24118	-18659	-18830	-9528	-13376	-11128	-7886	-199	-11453	-8839	-3813
Clarke	-16677	-15874	-12090	-10695	-7584	-6216	-1405	-3390	-1123	342	2317	4018	1464	2447	2132	-4076	-2944	-5758
Clay	31496	29855	1835	3778	3170	4600	20545	22372	24704	20760	15895	5661	13336	22278	32067	6986	6788	12750
Clayton	-50205	-47262	-62100	-59877	-53851	-49809	-43529	-47355	-43243	-32946	-25442	-27566	-21689	-13284	-10292	-15564	-14540	-6803
Clinton	-81451	-78573	-64146	-55925	-45724	-42284	-64549	-61348	-47608	-58014	-55433	-45363	-43275	-42479	-50248	-37174	-33223	-49309
Crawford	-40923	-32645	-23326	-22389	-18696	-14809	-6429	-13706	-14979	-10079	-9023	-11289	-9561	-5456	-5040	-7990	-4819	-6098
Dallas	-209755	-190087	-144296	-133688	-128266	-115411	-81776	-97875	-85263	-70601	-68246	-57841	-45493	-48724	-51067	-51019	-46949	-48278
Davis	-32601	-35173	-32631	-27218	-23096	-23080	-15599	-17087	-15615	-14321	-10018	-8586	-10749	-9378	-5677	-7066	-7630	-11190
Decatur	-26479	-23604	-26601	-16294	-19827	-19987	-22484	-23111	-20557	-19610	-16774	-13068	-13291	-12621	-10574	-5694	-5156	-8076
Delaware	-54881	-51851	-52615	-48016	-46662	-43094	-30290	-37385	-33787	-21070	-23388	-21515	-17264	-14480	-6873	-20522	-22625	-22505
Des Moines	52049	35807	49792	55291	41423	45051	701	-9136	4342	5434	-4920	3177	-6865	-4014	8205	24000	19370	21975
Dickinson	38261	35686	27459	17889	20908	13316	21842	24605	16415	7196	182	-8758	-8449	-4801	-6586	-3732	-760	2241
Dubuque	89529	98366	129774	89608	90264	69963	73406	63710	47367	57852	55555	56822	32442	46675	20156	-10754	-5995	18733
Emmet	-4103	-920	-10014	-6704	-5776	-4145	5094	5926	5212	4528	4168	-5671	-5324	3702	-2225	7210	9525	6108
Fayette	-41762	-35287	-28681	-26763	-22286	-20223	-19516	-24913	-18829	-16885	-6133	-6203	-7311	-1169	2534	8635	8754	11946

*The fiscal year for these data runs from 1 April through 30 March; thus, 1997 refers to the period from 1 April 1996 through 30 March 1997.

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-37812	-42398	-51164	-38623	-28656	-27471	-20941	-24353	-17478	-17782	-13982	-15506	-9632	-1850	-2628	-17544	-24042	-25824
Franklin	-41640	-34428	-34605	-32227	-27360	-25243	-25769	-28878	-12108	-23568	-13226	-21063	-17032	-16249	-5955	-3896	-2575	-9805
Fremont	-22730	-16100	-24282	-16597	-14139	-17501	-23321	-31436	-28430	-24586	-19665	-18037	-15173	-11789	-7812	-17209	-18016	-17079
Greene	-27839	-21932	-19325	-12803	-11667	-15240	-22293	-23523	-22051	-21143	-15244	-17208	-14541	-8481	-4406	-19587	-17956	-19865
Grundy	-88801	-81157	-57211	-51400	-50445	-50966	-53414	-58801	-51919	-45969	-46649	-43659	-37365	-36389	-25340	-24860	-25592	-26269
Guthrie	-45440	-41871	-45462	-42187	-40416	-34357	-22312	-20238	-18509	-18255	-16347	-14177	-11953	-9025	-6732	-15773	-15660	-19651
Hamilton	-37777	-25002	-50185	-42598	-36088	-33536	-27727	-27771	-23738	-20404	-22689	-15604	-14043	-8551	-2383	-5712	-2507	607
Hancock	-57311	-47629	-41313	-41867	-38303	-38740	-36782	-41429	-31933	-31308	-23236	-22478	-18919	-13480	-7841	-11891	-12067	-9566
Hardin	-20410	-19005	-15945	-15835	-17924	-16320	-18057	-17109	-16045	-11095	-3608	836	8732	14076	18382	5843	8706	14652
Harrison	-92805	-84115	-52543	-49181	-37393	-37460	-28476	-33968	-30997	-25542	-18162	-17904	-17101	-14350	-10050	-24598	-21683	-22777
Henry	-71668	-59781	-37314	-33383	-14862	-15837	-22698	-16019	-12811	-5991	-1897	-4256	-4957	-5895	-467	-9323	-11635	-9968
Howard	-27264	-22702	-21048	-18133	-16118	-13992	-12857	-16318	-13829	-8193	-6723	-7671	-7806	-2484	1128	-8275	-8686	-10190
Humboldt	-30287	-26325	-38033	-31806	-24698	-25630	-15373	-15647	-14711	-14572	-11812	-12762	-8345	-6982	-4513	-8399	-8958	-3267
Ida	-24214	-23346	-22378	-18955	-17739	-14495	-7466	-5965	-3754	-2650	-1412	12	2767	4725	7905	-20987	-19659	-19581
Iowa	35237	28331	43835	45523	37557	33075	1890	-2725	-3967	-3803	1652	-130	2404	4405	8478	14815	19625	20268
Jackson	-58864	-59562	-61440	-54133	-49397	-47546	-33034	-40188	-38842	-38754	-35538	-28512	-29195	-24897	-22659	-23999	-20063	-22832
Jasper	-127798	-131608	-110280	-104683	-78309	-58990	-42249	-40549	-54716	-32322	-36577	-23331	-20821	-27810	-23642	-31948	-34012	-35432
Jefferson	-13856	-10422	-21450	-25256	-22874	-25161	-32809	-30166	-20919	-17548	-12119	-10005	-7257	-4833	-4022	-7461	-9937	-12804
Johnson	-100969	-116201	-108243	-133362	-135055	-134893	-91787	9656	1741	-20051	-24480	-34393	-45133	-69498	-73814	6116	510	-6823
Jones	-35001	-31870	-35397	-39721	-37965	-28785	-7632	-11511	-2025	-4496	-7185	-12116	-11099	-6128	-781	-8476	-9090	814
Keokuk	-60647	-57051	-50492	-46717	-43588	-42854	-39670	-36053	-35266	-28506	-27868	-22306	-21291	-21304	-13610	-18076	-19201	-19100
Kossuth	-30956	-16934	-20752	-18000	-13119	-20222	-14469	-14273	-14214	-8288	541	437	7690	17534	20012	1017	-2253	-3326
Lee	-19417	-16136	-1312	4244	-3405	-2841	-23071	-50757	-42832	-40135	-31790	-28964	-30095	-22968	-9546	8104	11252	2590
Linn	559183	601539	488334	416132	299905	273707	265881	267716	263700	225146	238263	234046	206699	121993	92856	158079	154187	196561
Louisa	-87947	-80480	-74902	-72241	-61949	-63241	-59290	-53546	-50860	-44788	-43858	-36750	-38869	-40992	-30823	-26843	-21811	-21238
Lucas	-28100	-33978	-27336	-28991	-353	-1207	7723	-3047	2252	2498	-4798	-13070	-12941	-13180	-11614	-19832	-18064	-24801
Lyon	-47819	-42497	-38623	-33796	-31114	-29378	-14943	-15836	-13607	-11305	-9448	-14631	-12304	-10718	-7479	-21075	-17721	-10324
Madison	-58362	-53847	-54745	-54816	-50668	-48080	-27334	-21818	-21170	-20097	-21783	-22034	-23587	-22909	-17150	-19998	-20135	-28727
Mahaska	-29365	-26546	-16722	-5106	-2453	-3237	10874	1115	2595	6366	5194	5371	5016	5367	9286	4654	8661	12468
Marion	-81100	-82271	-81395	-78891	-76548	-72276	-68477	-56084	-50253	-35869	-39112	-29753	-36555	-33486	-32780	-40635	-35322	-40881
Marshall	-25765	-11108	-24393	-5941	-21800	-24271	-30178	-36392	-39128	-49336	-54097	-35477	-35981	-47626	-38431	-7005	-3772	-7588
Mills	-84861	-76123	-69627	-62269	-56348	-54115	-43086	-39455	-38841	-38098	-36690	-35177	-35302	-28558	-25297	-39449	-35185	-42002
Mitchell	-34377	-29750	-38057	-35412	-30502	-29212	-20919	-23285	-20857	-16021	-11058	-13514	-10252	-9484	-2391	-6786	-9276	-3137

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-42170	-39688	-33945	-29559	-23044	-22504	-12022	-14068	-10074	-6590	-5531	-2996	-5249	-59	1687	-17040	-14006	-15961
Monroe	-28873	-23174	-20263	-19985	-18703	-19588	-28431	-26943	-26232	-23730	-19125	-15574	-13473	-11951	-14725	-9017	-9506	-12491
Montgomery	-16848	-13705	-4444	217	5594	999	6510	3606	6309	-574	-7425	-12811	-5875	-2440	-1879	-12932	-12211	-13043
Muscatine	-78355	-88684	-64895	-56533	-48390	-49416	-77830	-78444	-76119	-70174	-63871	-49827	-41826	-43229	-44753	-10850	-16155	-32639
O'Brien	-26093	-21012	-33360	-29057	-25980	-23843	-12483	-7218	-1369	4596	3090	-5281	-4094	-328	3980	-4512	-3284	-2475
Osceola	-22988	-19457	-31141	-29541	-25323	-25463	-14820	-13718	-14457	-11866	-11370	-9233	-8628	-5102	-4108	-6060	-3806	1999
Page	-50776	-39929	-41343	-35727	-33750	-34132	-28778	-30797	-22092	-23316	-14619	-13777	-8965	-6047	-3161	-4396	977	-10895
Palo Alto	-34894	-31562	-35089	-30149	-30922	-32525	-25820	-24914	-22875	-21645	-20486	-21218	-18507	-14731	-9974	-21834	-16184	-15184
Plymouth	-92103	-89757	-80929	-67721	-56090	-51208	-27941	-37905	-22349	-23814	-20774	-19295	-19402	-22614	-19719	-31937	-24663	-18527
Pocahontas	-38168	-32345	-40811	-36745	-31807	-30649	-32500	-33470	-29488	-27203	-27649	-20174	-12104	-7020	-1289	-9050	-7782	-11101
Polk	2012831	1870822	1712091	1598440	1403576	1372185	1453813	1499008	1423731	1260553	1166762	1069462	904911	804212	587459	638933	583878	595400
Pottawattamie	-7452	-36545	-56052	-88170	-93281	-94613	-159832	-157220	-141599	-129148	-106629	-113961	-108408	-96214	-100227	-88815	-81922	-94186
Poweshiek	-45754	-39793	-52845	-41355	12792	18446	22655	20869	24153	12109	11529	12384	11249	8648	13405	-20962	-26321	-31900
Ringgold	-16660	-13764	-17662	-15482	-13154	-12106	-5468	-5936	-3878	-3465	-4767	-3667	-5055	-3997	-2657	-6722	-7875	-8595
Sac	-51008	-47401	-55084	-48338	-44263	-38636	-17691	-17465	-16198	-14528	-15314	-16510	-9357	-7469	-1694	-16371	-14052	-15386
Scott	342708	333354	377256	358621	317840	355593	181458	156053	34380	62717	18966	56758	46580	35223	-36822	46103	44158	59053
Shelby	-41399	-38894	-37112	-33041	-29484	-27397	-17539	-22445	-19171	-16290	-9458	-9891	-11417	-8032	1959	-4450	-4592	91
Sioux	-46157	-52097	-41449	-31319	-29119	-22417	-1606	-18833	-21694	-21257	-12892	-15066	-5001	3877	8353	-4126	-5785	7011
Story	-62134	-82996	-80638	-86185	-58658	-52615	-91895	-70389	-77679	-87181	-81552	-70518	-73580	-90328	-74804	-64210	-53835	-55508
Tama	-85424	-77932	-56275	-51983	-51345	-51557	-42950	-32095	-28673	-30715	-22266	-21152	-20916	-12943	-8843	-23436	-21622	-29143
Taylor	-31698	-29398	-27754	-25011	-23278	-23934	-21501	-22826	-21944	-19006	-15087	-15527	-14792	-13189	-10478	-13353	-13367	-10734
Union	128662	15610	4587	2085	985	-778	-9347	-12649	-14592	-12191	-8244	-4530	-8228	-6450	-2675	345	1831	1108
Van Buren	-38151	-35991	-31634	-27633	-28022	-25390	-21999	-21915	-22713	-22054	-19651	-15935	-14841	-15770	-13533	-17947	-15758	-17371
Wapello	13180	7707	6877	39872	31145	16804	5964	2546	-23031	-23746	-30918	-20490	-22151	-17090	-25967	-18526	-15609	-25155
Warren	-251188	-238301	-219970	-208870	-200318	-178400	-154426	-169718	-159078	-148405	-146101	-127561	-126899	-126514	-131980	-87364	-85598	-79081
Washington	-60297	-58256	-46464	-37445	-35045	-28492	-20420	-24531	-22431	-10300	-14371	-11665	-6897	-1358	4881	-5279	-6600	-2361
Wayne	-22407	-19089	-23693	-23594	-21254	-21891	-15596	-13125	-12180	-10880	-11455	-8933	-10397	-10309	-6820	-9675	-9496	-15496
Webster	99209	102789	91380	77588	77082	78977	97076	107425	59839	51399	57173	55661	61659	62956	55200	42451	48848	66013
Winnebago	-21636	-13741	-20782	-20561	-20715	-21360	-38773	-36298	-31489	-34429	-30517	-26951	-23537	-14822	-11293	-3414	-4012	-14913
Winneshiek	-30008	-32797	-22859	-20844	-17797	-16593	-8982	-15624	-14306	-10901	-14181	-20128	-22383	-19347	-7835	-17020	-17965	-27207
Woodbury	90493	115538	174395	149260	120481	116169	156047	167881	174087	168700	135371	133792	131793	112362	96265	98847	92910	33023
Worth	-42664	-38045	-40401	-36590	-34704	-33164	-38339	-39588	-32989	-30066	-26132	-18462	-25069	-20289	-13307	-20107	-15592	-15641
Wright	-17009	-12408	-29536	-22136	-20054	-21454	-49576	-56225	-51468	-45297	-45120	-40603	-31450	-11533	-3578	-14524	-20916	-22250

Table 4. Adjusted Estimated Dollars of Retail Sales (1997 dollars in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1997*.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-18191	-15307	-22514	-20719	-18663	-18843	-18491	-14179	-10244	-5218	-3656	-2054	-3971	1582	11951	-3598	-3429	-12218
Adams	-15355	-12698	-15259	-14127	-11946	-13079	-12881	-12297	-11144	-9134	-9095	-10804	-9045	-9139	-4380	-6290	-10325	-14242
Allamakee	-23862	-21674	-15270	-19659	-16853	-15186	6842	-97	3608	10310	7924	5018	6943	13458	15077	-2086	-10656	-16096
Appanoose	-21313	-24669	-23100	-20643	-11990	-11024	-9215	-11968	-7304	-6962	5426	-3641	-7471	-6444	-4781	-14629	-3478	-11054
Audubon	-30014	-28019	-33876	-29105	-25065	-24182	-10232	-11254	-9623	-8337	-9818	-7534	-1967	1124	4916	-17097	-19220	-15912
Benton	-101907	-105638	-116370	-104384	-95874	-89818	-71901	-76479	-70341	-64934	-69947	-70435	-63193	-62156	-56317	-66016	-72250	-78438
Black Hawk	181203	158722	215059	209005	202097	165209	-97159	-77348	-93575	-100703	-110365	-95969	-120695	-144025	-163863	11978	22376	71596
Boone	-90048	-83051	-78403	-77116	-69613	-67262	-72647	-75173	-79622	-80126	-84160	-71923	-74254	-77825	-74338	-73264	-66594	-75007
Bremer	-82413	-80852	-75831	-63208	-62818	-58246	-85817	-84755	-84069	-80722	-71792	-73989	-66212	-62416	-52960	-38442	-39340	-46180
Buchanan	-84546	-75606	-73556	-67726	-62109	-62617	-51145	-47001	-48093	-46651	-56596	-54186	-51136	-57288	-42881	-57784	-65167	-61519
Buena Vista	-17742	-12395	-1656	1674	4227	4818	15314	8876	16508	18354	27316	17705	34769	44656	44409	4616	11207	24335
Butler	-95191	-91998	-73573	-71182	-66854	-67787	-55820	-50183	-45980	-43536	-43367	-40421	-42245	-36929	-29890	-55132	-63237	-77715
Calhoun	-60292	-56823	-53551	-47501	-43904	-44890	-41821	-36992	-12566	6409	-7197	-20982	-21169	-18933	-11900	-25055	-22673	-22328
Carroll	27298	23520	20175	23892	18357	15135	36133	36705	37818	36312	33661	19483	27817	45239	58334	24978	29893	50805
Cass	-9217	-10101	-19757	-14413	-11350	-5940	-11384	-16113	-14893	-9646	-1672	-4184	8785	16220	23705	-9013	-5262	-8247
Cedar	-96320	-94466	-74412	-76453	-78081	-80774	-52662	-63869	-58466	-59909	-54182	-57896	-56164	-55499	-38809	-61275	-69150	-64232
Cerro Gordo	139675	127748	120673	100628	89978	92375	98325	91764	91851	72574	66739	61773	63964	55709	56612	77043	50689	57793
Cherokee	-29560	-24640	-20128	-17140	-17660	-18376	-16334	-23433	-15457	-19849	-11627	-5759	-4561	-1178	7056	-14560	-13466	-2187
Chickasaw	-41157	-42584	-42868	-40120	-37748	-36847	-25581	-30162	-24481	-25745	-13560	-19287	-16584	-12155	-316	-19108	-16116	-7835
Clarke	-16677	-16348	-12795	-11622	-8457	-7141	-1670	-4239	-1474	467	3298	5794	2181	3772	3387	-6800	-5368	-11833
Clay	31496	30747	1942	4106	3535	5284	24415	27978	32412	28384	22622	8162	19874	34338	50939	11655	12377	26200
Clayton	-50205	-48675	-65718	-65066	-60055	-57217	-51728	-59222	-56735	-45045	-36209	-39748	-32323	-20475	-16349	-25967	-26511	-13980
Clinton	-81451	-80921	-67883	-60770	-50992	-48573	-76708	-76722	-62463	-79317	-78890	-65410	-64492	-65475	-79818	-62020	-60576	-101328
Crawford	-40923	-33621	-24685	-24329	-20850	-17011	-7640	-17141	-19653	-13780	-12842	-16277	-14249	-8410	-8006	-13330	-8787	-12530
Dallas	-209755	-195767	-152702	-145271	-143044	-132576	-97179	-122402	-111866	-96527	-97126	-83402	-67799	-75100	-81120	-85120	-85603	-99209
Davis	-32601	-36224	-34532	-29576	-25757	-26512	-18537	-21369	-20487	-19580	-14257	-12380	-16019	-14454	-9018	-11789	-13911	-22995
Decatur	-26479	-24309	-28151	-17706	-22111	-22959	-26719	-28903	-26970	-26812	-23873	-18843	-19807	-19453	-16797	-9500	-9401	-16596
Delaware	-54881	-53400	-55681	-52176	-52038	-49504	-35996	-46753	-44329	-28807	-33285	-31023	-25728	-22319	-10918	-34239	-41252	-46246
Des Moines	52049	36877	52692	60082	46195	51751	832	-11426	5696	7429	-7003	4581	-10232	-6186	13034	40041	35317	45157
Dickinson	38261	36752	29058	19440	23317	15296	25956	30771	21537	9839	258	-12628	-12591	-7401	-10461	-6226	-1385	4604
Dubuque	89529	101305	137335	97372	100664	80369	87233	79676	62145	79096	79064	81932	48348	71941	32018	-17943	-10931	38495
Emmet	-4103	-947	-10598	-7285	-6442	-4762	6054	7411	6839	6191	5932	-8177	-7935	5705	-3534	12030	17368	12552
Fayette	-41762	-36342	-30351	-29082	-24854	-23231	-23192	-31156	-24704	-23085	-8729	-8944	-10895	-1802	4025	14407	15961	24549

*The fiscal year for these data runs from 1 April through 30 March; thus, 1997 refers to the period from 1 April 1996 through 30 March 1997.

Table 4. Adjusted Estimated Dollars of Retail Sales (1997 dollars in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-37812	-43665	-54145	-41970	-31957	-31556	-24886	-30455	-22931	-24312	-19898	-22358	-14354	-2851	-4174	-29271	-43836	-53068
Franklin	-41640	-35457	-36621	-35019	-30512	-28997	-30623	-36115	-15885	-32223	-18822	-30372	-25383	-25045	-9459	-6500	-4694	-20149
Fremont	-22730	-16581	-25696	-18035	-15768	-20104	-27714	-39313	-37300	-33615	-27987	-26008	-22613	-18170	-12409	-28711	-32849	-35096
Greene	-27839	-22587	-20451	-13913	-13011	-17507	-26492	-29418	-28931	-28907	-21695	-24812	-21671	-13072	-6999	-32680	-32739	-40821
Grundy	-88801	-83582	-60544	-55854	-56256	-58547	-63474	-73536	-68118	-62849	-66390	-62953	-55685	-56088	-40253	-41476	-46661	-53981
Guthrie	-45440	-43122	-48110	-45843	-45072	-39467	-26515	-25310	-24283	-24958	-23264	-20442	-17814	-13910	-10693	-26316	-28553	-40381
Hamilton	-37777	-25749	-53108	-46289	-40245	-38524	-32950	-34731	-31145	-27896	-32291	-22500	-20929	-13180	-3786	-9530	-4571	1247
Hancock	-57311	-49052	-43720	-45495	-42716	-44501	-43710	-51811	-41897	-42805	-33069	-32411	-28195	-20778	-12455	-19838	-22002	-19658
Hardin	-20410	-19573	-16873	-17207	-19990	-18747	-21459	-21397	-21051	-15169	-5135	1206	13013	21695	29199	9748	15873	30109
Harrison	-92805	-86629	-55604	-53443	-41701	-43031	-33839	-42481	-40668	-34922	-25848	-25816	-25485	-22118	-15964	-41039	-39535	-46806
Henry	-71668	-61567	-39488	-36275	-16574	-18192	-26973	-20033	-16808	-8191	-2700	-6137	-7388	-9086	-742	-15554	-21214	-20483
Howard	-27264	-23381	-22274	-19704	-17975	-16073	-15279	-20407	-18144	-11202	-9568	-11061	-11633	-3829	1792	-13806	-15837	-20940
Humboldt	-30287	-27112	-40249	-34562	-27543	-29442	-18269	-19568	-19301	-19924	-16810	-18401	-12437	-10762	-7169	-14013	-16333	-6713
Ida	-24214	-24044	-23681	-20598	-19783	-16651	-8873	-7459	-4925	-3623	-2009	18	4124	7284	12557	-35015	-35844	-40238
Iowa	35237	29178	46388	49468	41884	37994	2246	-3407	-5205	-5199	2351	-187	3583	6789	13468	24717	35782	41650
Jackson	-58864	-61342	-65020	-58823	-55088	-54618	-39256	-50259	-50961	-52985	-50576	-41113	-43510	-38374	-35993	-40040	-36580	-46918
Jasper	-127798	-135540	-116705	-113754	-87331	-67763	-50206	-50710	-71788	-44191	-52055	-33641	-31029	-42865	-37556	-53302	-62014	-72812
Jefferson	-13856	-10734	-22699	-27444	-25510	-28903	-38989	-37726	-27446	-23991	-17247	-14427	-10815	-7449	-6388	-12447	-18118	-26311
Johnson	-100969	-119673	-114549	-144918	-150615	-154956	-109076	12076	2284	-27413	-34840	-49592	-67261	-107119	-117253	10203	930	-14021
Jones	-35001	-32822	-37459	-43162	-42339	-33066	-9070	-14395	-2657	-6147	-10225	-17470	-16541	-9445	-1240	-14141	-16574	1673
Keokuk	-60647	-58756	-53433	-50764	-48610	-49227	-47142	-45088	-46269	-38974	-39661	-32164	-31730	-32837	-21619	-30157	-35009	-39250
Kossuth	-30956	-17440	-21961	-19560	-14630	-23229	-17194	-17850	-18649	-11332	771	630	11461	27026	31790	1697	-4108	-6834
Lee	-19417	-16619	-1388	4611	-3797	-3264	-27417	-63477	-56196	-54874	-45243	-41764	-44850	-35401	-15163	13521	20516	5322
Linn	559183	619512	516783	452189	334457	314415	315963	334805	345977	307823	339091	337477	308042	188032	147502	263738	281130	403923
Louisa	-87947	-82884	-79265	-78501	-69087	-72647	-70458	-66964	-66728	-61235	-62418	-52991	-57927	-63182	-48962	-44784	-39767	-43644
Lucas	-28100	-34993	-28929	-31503	-393	-1386	9177	-3810	2955	3415	-6829	-18846	-19286	-20315	-18448	-33088	-32935	-50964
Lyon	-47819	-43767	-40873	-36724	-34698	-33747	-17758	-19804	-17852	-15456	-13447	-21097	-18337	-16521	-11880	-35161	-32311	-21216
Madison	-58362	-55456	-57934	-59566	-56506	-55231	-32483	-27286	-27775	-27477	-31001	-31772	-35151	-35310	-27243	-33364	-36712	-59033
Mahaska	-29365	-27339	-17696	-5548	-2735	-3718	12922	1395	3404	8704	7391	7744	7475	8272	14751	7764	15793	25621
Marion	-81100	-84729	-86137	-85726	-85367	-83026	-81376	-70139	-65933	-49040	-55663	-42901	-54478	-51613	-52071	-67795	-64402	-84008
Marshall	-25765	-11440	-25814	-6456	-24312	-27881	-35862	-45511	-51336	-67453	-76989	-51156	-53622	-73408	-61048	-11687	-6877	-15593
Mills	-84861	-78397	-73683	-67665	-62840	-62163	-51201	-49342	-50959	-52088	-52216	-50722	-52610	-44017	-40184	-65816	-64152	-86312
Mitchell	-34377	-30639	-40274	-38481	-34016	-33557	-24860	-29120	-27365	-21904	-15737	-19486	-15278	-14617	-3798	-11321	-16913	-6446

Table 4. Adjusted Estimated Dollars of Retail Sales (1997 dollars in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1997* (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-42170	-40874	-35922	-32120	-25698	-25851	-14287	-17593	-13217	-9010	-7871	-4320	-7822	-91	2679	-28429	-25538	-32800
Monroe	-28873	-23866	-21444	-21717	-20858	-22502	-33786	-33695	-34417	-32443	-27218	-22456	-20079	-18421	-23391	-15044	-17333	-25669
Montgomery	-16848	-14115	-4703	236	6239	1147	7737	4510	8278	-785	-10567	-18473	-8756	-3761	-2985	-21576	-22264	-26803
Muscatine	-78355	-91334	-68675	-61432	-53965	-56766	-92491	-98103	-99869	-95942	-90900	-71847	-62332	-66630	-71090	-18103	-29455	-67071
O'Brien	-26093	-21640	-35303	-31575	-28973	-27389	-14834	-9027	-1797	6284	4398	-7614	-6102	-506	6322	-7527	-5987	-5085
Osceola	-22988	-20038	-32955	-32101	-28241	-29250	-17611	-17156	-18968	-16224	-16182	-13313	-12859	-7864	-6526	-10110	-6939	4109
Page	-50776	-41122	-43751	-38823	-37638	-39208	-34198	-38515	-28984	-31878	-20806	-19866	-13361	-9320	-5020	-7334	1782	-22388
Palo Alto	-34894	-32505	-37133	-32761	-34485	-37362	-30684	-31157	-30012	-29594	-29155	-30594	-27581	-22705	-15843	-36428	-29508	-31203
Plymouth	-92103	-92439	-85643	-73588	-62552	-58824	-33204	-47404	-29322	-32559	-29566	-27822	-28914	-34856	-31323	-53283	-44968	-38072
Pocahontas	-38168	-33312	-43188	-39929	-35472	-35207	-38622	-41858	-38689	-37192	-39350	-29089	-18038	-10821	-2047	-15099	-14188	-22811
Polk	2012831	1926722	1811833	1736941	1565283	1576270	1727652	1874657	1867946	1723449	1660509	1542085	1348583	1239557	933175	1065991	1064586	1223517
Pottawattamie	-7452	-37637	-59317	-95809	-104027	-108685	-189938	-196619	-185779	-176573	-151752	-164324	-161559	-148298	-159209	-148179	-149368	-193547
Poweshiek	-45754	-40982	-55924	-44938	14266	21189	26922	26099	31689	16556	16408	17857	16765	13329	21294	-34973	-47990	-65552
Ringgold	-16660	-14175	-18690	-16824	-14670	-13907	-6498	-7424	-5088	-4737	-6784	-5287	-7533	-6160	-4220	-11215	-14359	-17662
Sac	-51008	-48818	-58293	-52526	-49362	-44383	-21023	-21842	-21252	-19863	-21794	-23806	-13945	-11512	-2690	-27313	-25621	-31617
Scott	342708	343315	399234	389695	354458	408481	215637	195159	45107	85748	26991	81841	69418	54290	-58492	76919	80513	121351
Shelby	-41399	-40056	-39274	-35904	-32881	-31472	-20843	-28069	-25152	-22272	-13461	-14262	-17014	-12380	3112	-7424	-8372	187
Sioux	-46157	-53653	-43863	-34032	-32474	-25751	-1908	-23552	-28463	-29063	-18347	-21724	-7453	5976	13268	-6884	-10547	14407
Story	-62134	-85476	-85336	-93652	-65416	-60441	-109204	-88029	-101916	-119196	-116064	-101681	-109655	-139225	-118826	-107127	-98158	-114065
Tama	-85424	-80260	-59554	-56487	-57261	-59225	-51040	-40138	-37619	-41994	-31689	-30499	-31170	-19950	-14047	-39101	-39423	-59887
Taylor	-31698	-30277	-29370	-27178	-25960	-27493	-25550	-28546	-28791	-25986	-21472	-22389	-22044	-20329	-16645	-22279	-24372	-22058
Union	128662	16076	4855	2265	1098	-894	-11108	-15819	-19144	-16668	-11733	-6532	-12263	-9942	-4249	575	3338	2277
Van Buren	-38151	-37067	-33477	-30028	-31250	-29166	-26142	-27406	-29799	-30152	-27967	-22977	-22118	-24306	-21497	-29943	-28732	-35697
Wapello	13180	7937	7278	43326	34733	19303	7088	3184	-30217	-32466	-44002	-29544	-33012	-26342	-41248	-30909	-28461	-51693
Warren	-251188	-245422	-232785	-226968	-223396	-204934	-183514	-212250	-208712	-202901	-207928	-183933	-189116	-195001	-209649	-145758	-156071	-162509
Washington	-60297	-59997	-49170	-40689	-39082	-32730	-24266	-30679	-29430	-14082	-20452	-16819	-10279	-2093	7753	-8808	-12034	-4853
Wayne	-22407	-19659	-25073	-25638	-23703	-25146	-18534	-16414	-15981	-14876	-16303	-12881	-15494	-15889	-10834	-16141	-17315	-31843
Webster	99209	105861	96703	84311	85963	90724	115362	134345	78509	70273	81368	80259	91890	97036	87685	70824	89064	135653
Winnebago	-21636	-14151	-21992	-22342	-23102	-24537	-46076	-45394	-41313	-47071	-43432	-38861	-35077	-22846	-17938	-5696	-7315	-30646
Winneshiek	-30008	-33777	-24191	-22650	-19848	-19061	-10674	-19539	-18769	-14904	-20183	-29023	-33357	-29821	-12446	-28396	-32755	-55909
Woodbury	90493	118990	184554	162193	134362	133447	185439	209952	228404	230650	192656	192918	196411	173186	152917	164916	169402	67861
Worth	-42664	-39182	-42755	-39760	-38702	-38097	-45560	-49508	-43282	-41106	-37191	-26621	-37360	-31273	-21137	-33546	-28430	-32142
Wright	-17009	-12779	-31256	-24054	-22364	-24645	-58914	-70315	-67527	-61930	-64214	-58546	-46870	-17777	-5684	-24231	-38136	-45722

When adjusted for inflation, retail sales varied in a relatively narrow band in the years from 1987 to 1997, with the highest figure (\$28.2 billion in 1997) less than \$3 billion above the lowest (\$25.5 billion in 1988) (Table 2). Sales in 1997, however, needed to be \$3.4 billion higher to equal the adjusted sales of 1980. Adjusted sales failed to increase in two-thirds (68) of the counties in the period between 1987 and 1997, which indicates that sales kept pace with inflation in only a third of the state's counties (Figure 2).

Estimated Gains and Losses in Retail Sales

The volume of sales expected in a county can be estimated by relating population figures to retail sales. The first step is to obtain the average sales per person in the state; the total sales figure is divided by the population. This state average then is multiplied by the population estimate for a particular county and the result is compared with the actual sales reported for that county. If the county's actual sales are greater than what the state average suggests, then that county has gained sales from residents of other counties. If the county's actual sales are less than the figure resulting from multiplying the state's average by the local population, then sales have been lost from that county to others. Because these calculations are based on population estimates for the years 1981 through 1989 and for 1991-1997, caution must be exercised in interpreting them. The calculations for 1980 and 1990 use the population counts from the decennial censuses.

Sales above what would be expected from the state average occurred in 15 counties in 1997 (Table 3, Figure 3). These counties are serving residents substantially in excess of those living within their own boundaries. These additional sales ranged from less than \$50 million in five counties to \$2.0 billion in Polk. Five other counties (Black Hawk, Cerro Gordo, Linn, Scott, Union) had figures at least \$100 million above those expected when population is factored into the calculations.

The remaining 84 counties had sales that were lower than their population bases would suggest. Twenty lost sales of less than \$25 million and 31 were down at least \$50 million in expected sales. Benton, Dallas, Jasper, Johnson, and Warren counties had sales at least \$100 million less than expected. Counties with relatively high leakage of retail sales generally are near major metropolitan centers that most likely captured many of those dollars.

Relatively few counties have been above the state average in previous years as well. In 1987, for example, 20 counties were in that category while retail sales in the other 79 were below what would be expected based on their populations. Dubuque, Linn, Polk, Webster, and Woodbury were the only ones with sales at least \$50 million above expectations in 1987; 10 counties were at least \$50 million lower than anticipated, with two of them (Pottawattamie, Warren) at least \$100 million less than expected.

When controlled for inflation, the gain/loss figures based on county population indicate relative change across the period. For example, nearly two-thirds (65) of the counties had greater leakage in 1997 than in 1987 after controlling for the effects of inflation (Table 4). Another nine counties with gains in 1987 had losses in 1997. Carroll and Woodbury reported gains at both times, although those for 1997 were smaller than the adjusted amounts reported for 1987. Thus, 76 counties did not improve their positions when adjusted retail sales figures for 1987 and 1997 were compared.

The remaining 23 counties noted relative improvement in retail sales between 1987 and 1997 after inflation was included. Ten counties with losses both times nonetheless had lower leakage in 1997 than in 1987. Black Hawk, Des Moines, Union, and Wapello, each of which had leakage in 1987, reported gains in 1997. The remaining nine counties (Cerro Gordo, Clay, Dickinson, Dubuque, Iowa, Linn, Polk, Scott, Webster) had retail sales in excess of what would be expected on the basis of population both years, although they were higher in 1997 than in 1987 even after inflation was taken into account.

Figure 1. Change in retail sales (unadjusted for inflation),
1987 to 1997.

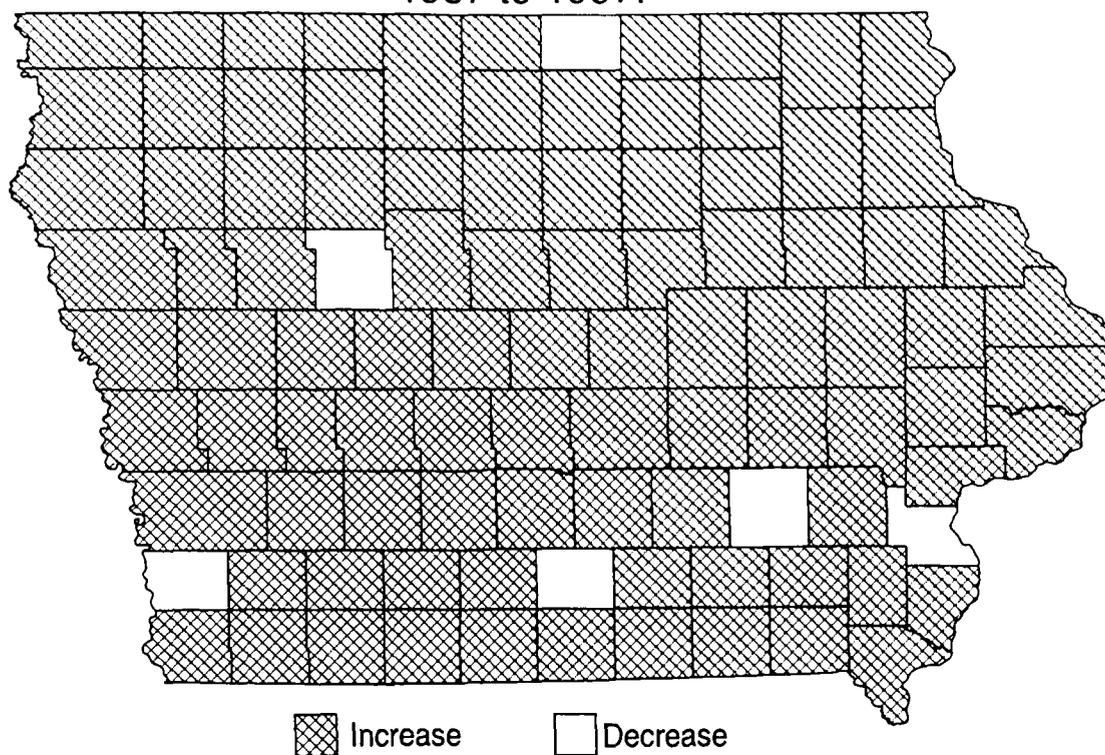
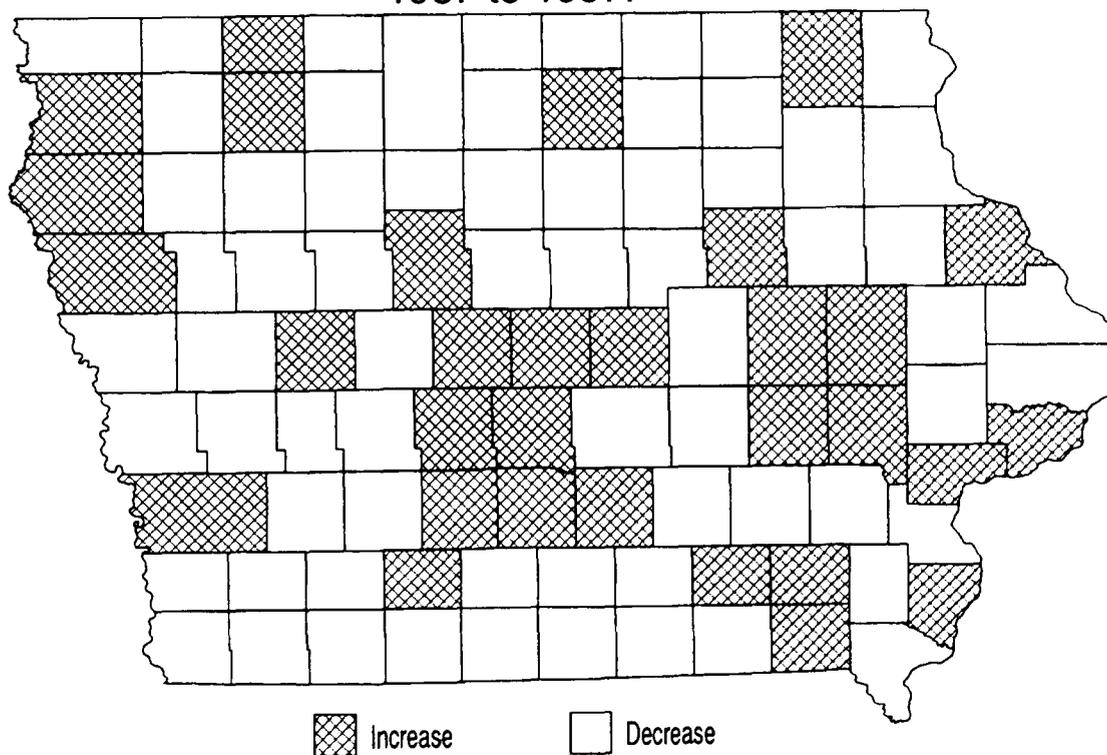


Figure 2. Change in retail sales (adjusted for inflation),
1987 to 1997.



Housing Sales and Average Sales Prices in Iowa's Counties: 1987-1997

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Housing sales and sales prices are compiled annually by the Iowa Department of Revenue and Finance. Buyers, sellers, or their agents report declarations of value on transfers of real estate to county recorders. Declarations of value are then forwarded to the appropriate city or county assessor for completion. The real estate numbers included in this section are "arm's length" transactions of single-unit and two-unit (duplexes) dwellings. Due to special considerations and financing of contract sales, the numbers that follow include only deed sales.

Housing Sales

In 1997, there were 32,612 deed sales of single- and two-unit homes in the state (Table 1). This marked a drop of 236 from the previous year. The only other decline in deed sales from 1987 through 1997 occurred between 1994 and 1995 (-1,829). Overall, from 1987 to 1997, annual sales of homes increased 50.1 percent (+10,881).

Dictated largely by population, numbers of housing sales varied greatly across the state. Nearly a third (31.0%) of all sales in 1997 occurred in Linn, Polk, and Scott counties. Black Hawk, Johnson, and Woodbury were the only others with more than 1,000 sales. Twenty-three counties reported fewer than 100 deed transactions; of these 23, Adair, Adams, and Van Buren had fewer than 50. In 1987, only Linn, Polk, and Scott had sales numbering more than 1,000 while 57 counties had fewer than 100.

When change over the decade was examined, counties reported from 3 (Henry) to 1,717 (Polk) more housing sales in 1997 than 1987. About a third (36) of Iowa's counties had fewer than 50 more deed sales at the end of the period than at the beginning. Four others (Black Hawk, Linn, Polk, Scott) counted at least 500 more sales in 1997 than in 1987; these four counties accounted for a third (33.6%) of the gain in the number of units sold. These increases reflected gains ranging from less than 10 percent in Henry and Appanoose to more than 100 percent in 28 others. Those that more than doubled their sales all were relatively rural counties, most of which had fairly small numbers of sales either year.

Average Sale Prices

The Iowa Department of Revenue and Finance reports the total sales across all units sold for deed. An arithmetic mean price can be calculated by dividing the total sales value by the number of sales. The result will be called the average price in this section. The average sales price of Iowa homes sold in 1997 was \$81,600, up from the average of \$51,200 ten years earlier (+\$30,400; +59.4%) (Table 2). The only decline in the statewide average sales price during the 11 years cited occurred between 1987 and 1988 (-\$400).

Seven counties (Adams, Decatur, Keokuk, Pocahontas, Taylor, Van Buren, Wayne) reported average housing prices under \$40,000, which was less than half the state's average. Five others (Dallas, Johnson, Linn, Polk, Story) had average prices of more than \$100,000. Johnson's average of \$125,500 was \$7,800 higher than Dallas' \$117,700, which was in second place. In 1987, Keokuk, Taylor, Van Buren, and Wayne had averages less than \$25,000 (or less than half the state's figure); Johnson again was highest at \$76,200.

Table 1. Number of Deed Sales of Residential Units in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	49	61	35	45	55	66	33	44	41	40	32
Adams	41	48	31	29	31	36	25	27	23	20	30
Allamakee	122	111	118	119	105	93	99	75	97	76	56
Appanoose	106	116	99	111	126	99	103	91	87	94	97
Audubon	65	62	57	60	41	60	50	33	35	38	25
Benton	241	269	252	241	215	225	197	186	144	151	130
Black Hawk	1461	1469	1372	1455	1427	1393	1286	1170	1182	991	829
Boone	313	352	257	320	310	266	219	221	223	203	203
Bremer	231	280	247	257	237	233	263	229	221	181	153
Buchanan	190	202	169	197	180	193	167	157	133	155	107
Buena Vista	216	286	243	248	224	221	201	222	152	141	114
Butler	137	125	140	156	122	119	104	76	102	65	55
Calhoun	124	131	103	120	112	86	106	86	87	88	62
Carroll	235	218	184	210	185	209	177	173	169	167	146
Cass	154	163	126	171	151	135	110	125	149	118	102
Cedar	178	177	144	172	149	145	130	113	104	88	62
Cerro Gordo	608	640	648	719	663	584	559	591	569	472	496
Cherokee	107	129	131	122	121	115	93	97	77	60	57
Chickasaw	118	136	134	114	130	111	100	90	93	69	53
Clarke	84	90	101	88	64	58	73	77	68	72	53
Clay	176	172	183	211	182	204	174	187	180	165	101
Clayton	146	132	131	146	137	134	122	103	109	107	87
Clinton	555	555	533	565	529	537	483	433	459	511	367
Crawford	131	157	151	167	159	143	118	111	104	115	96
Dallas	565	479	516	423	414	392	313	340	366	280	285
Davis	62	66	62	54	62	64	33	42	52	42	23
Decatur	68	70	74	81	50	42	39	54	55	42	30
Delaware	142	166	143	175	153	165	143	162	128	114	100
Des Moines	520	562	523	565	451	511	454	480	406	384	333
Dickinson	222	223	189	196	207	204	158	201	184	179	161
Dubuque	823	838	807	941	905	904	824	800	857	796	725
Emmet	133	130	115	116	113	95	101	89	81	94	59
Fayette	219	201	251	264	142	220	185	140	148	156	100
Floyd	182	189	227	222	171	167	142	164	150	121	92
Franklin	101	114	96	101	84	82	98	65	57	59	51
Fremont	71	63	41	56	65	59	41	42	43	52	31
Greene	115	102	103	94	110	92	73	84	66	70	56
Grundy	121	107	125	106	112	107	89	91	69	75	43
Guthrie	132	131	148	130	111	104	105	126	88	76	65
Hamilton	187	197	199	242	203	222	164	173	158	190	156
Hancock	114	104	101	121	124	99	93	88	114	93	85
Hardin	229	219	236	241	205	207	150	140	129	133	106
Harrison	140	154	144	158	120	122	84	96	117	86	85
Henry	183	184	214	231	213	218	207	224	190	194	180
Howard	89	103	105	115	56	97	82	99	73	59	55
Humboldt	106	107	114	112	79	117	97	89	83	75	57
Ida	67	75	61	67	59	58	50	49	50	53	39
Iowa	123	136	115	168	128	123	80	88	112	99	89
Jackson	155	166	148	164	167	152	157	149	147	128	97
Jasper	421	390	359	395	346	420	338	331	307	341	324

Table 1. Number of Deed Sales of Residential Units in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	181	172	149	174	154	211	143	143	167	138	128
Johnson	1179	1167	1012	1110	1124	1149	1049	977	849	932	872
Jones	149	153	182	138	153	127	131	112	108	84	73
Keokuk	79	85	80	86	99	68	76	80	70	56	44
Kossuth	172	167	149	145	188	157	131	133	109	114	68
Lee	330	358	356	455	398	399	394	374	340	292	221
Linn	2474	2564	2344	2602	2574	2511	2210	2254	2132	2133	1960
Louisa	86	100	117	100	82	105	79	88	77	65	55
Lucas	97	97	79	95	95	79	71	71	74	57	52
Lyon	86	78	96	89	84	70	69	65	73	59	40
Madison	141	122	117	136	117	126	91	108	75	80	68
Mahaska	192	221	235	244	247	227	195	207	218	198	166
Marion	355	337	319	295	293	285	249	274	268	261	240
Marshall	444	502	513	529	467	472	444	405	364	344	296
Mills	163	161	154	160	133	110	108	120	117	106	91
Mitchell	108	101	94	112	99	73	90	90	56	41	47
Monona	85	93	77	92	53	69	62	51	67	48	46
Monroe	70	49	68	85	69	52	40	65	45	42	37
Montgomery	147	145	132	143	134	151	131	120	130	124	123
Muscatine	478	436	420	541	423	437	365	382	305	322	315
O'Brien	137	187	185	164	193	172	129	164	134	113	86
Osceola	52	76	65	55	50	71	55	52	47	49	30
Page	191	188	178	194	158	135	103	119	124	126	96
Palo Alto	111	94	117	97	105	92	84	75	62	56	46
Plymouth	238	211	196	225	245	217	201	226	170	176	172
Pocahontas	76	68	71	86	73	50	56	52	39	39	35
Polk	5486	5188	5050	4988	5334	4973	4281	4060	3887	4018	3769
Pottawattamie	968	967	861	874	905	806	767	815	791	753	829
Poweshiek	191	181	184	220	200	193	163	191	180	175	152
Ringgold	55	51	40	25	39	49	32	22	34	26	21
Sac	120	91	98	108	104	91	95	97	89	73	60
Scott	2154	2103	2115	2225	2245	2157	1949	1829	1637	1539	1363
Shelby	97	126	119	126	123	104	102	119	85	104	85
Sioux	259	285	300	264	249	325	268	297	281	211	170
Story	825	750	705	766	809	805	700	662	683	632	609
Tama	151	171	155	175	126	132	112	109	95	81	76
Taylor	59	55	55	69	43	46	31	44	20	23	16
Union	150	127	135	140	141	130	114	100	112	96	76
Van Buren	41	51	59	59	59	70	45	47	39	36	34
Wapello	324	377	369	445	419	382	420	376	341	308	234
Warren	442	481	434	476	469	499	409	448	406	357	344
Washington	170	175	202	262	229	212	204	243	198	175	113
Wayne	58	59	46	42	42	34	33	45	28	32	20
Webster	521	533	488	512	511	576	472	466	473	407	327
Winnebago	126	133	131	131	129	123	85	98	100	94	81
Winneshiek	128	173	130	158	151	127	132	123	123	131	99
Woodbury	1144	1252	1249	1288	1262	1200	1033	1015	970	987	789
Worth	80	77	98	75	72	72	61	48	47	42	35
Wright	164	153	175	176	129	130	128	136	112	113	82
State of Iowa	32612	32848	31508	33337	32105	31379	27684	27320	25789	24646	21731

Table 2. Average (Mean) Sales Price of Deed Sales of Residential Units in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	56800	38600	40600	40800	34300	33100	38500	30400	28300	29000	26000
Adams	37200	32900	45500	34700	33900	29800	28100	28600	24300	31000	26300
Allamakee	53200	45000	42100	42000	42100	39800	37800	37500	39200	36900	35900
Appanoose	47500	38300	39200	41200	35500	30700	28500	34600	31100	30000	27800
Audubon	42900	33600	34500	33100	23900	29800	25600	23600	24900	29400	26100
Benton	74800	66000	60900	52000	49900	45500	41800	40900	39400	35300	37100
Black Hawk	71900	67400	62700	61000	58600	57400	54700	51800	52100	47400	49500
Boone	66500	58500	57300	49400	47800	46000	41500	41300	44400	38900	39900
Bremer	82800	73700	68700	65600	62200	59200	51800	48700	51000	45200	47000
Buchanan	55700	54000	53300	47300	43500	39200	36800	36900	30800	31500	27200
Buena Vista	64000	57100	53000	51900	47400	47600	45500	43700	46900	48700	52500
Butler	54000	44100	46800	40000	35800	34400	31000	35400	26700	27100	30700
Calhoun	47500	52000	38000	35400	39100	34100	31300	32100	29100	26600	27500
Carroll	65400	63900	60600	58000	50300	47100	47600	43900	44200	45700	42100
Cass	51000	46700	46100	41200	41500	39300	41300	38000	38500	39400	35700
Cedar	72200	71500	65900	63000	54700	51100	47400	44300	46200	46000	44100
Cerro Gordo	68600	66700	65400	58200	58700	56900	57700	52400	51900	49700	50400
Cherokee	55700	50500	44300	39500	37900	40000	33000	32900	31600	31900	35100
Chickasaw	51500	52700	47100	46700	40800	45000	38500	34800	36600	34800	38300
Clarke	58800	55000	46500	43100	43100	41100	40500	40700	37900	35100	35500
Clay	68800	62400	57900	57000	50200	50900	46500	44700	42600	46300	47100
Clayton	55000	48300	45200	43000	39400	38300	32800	31600	33300	31800	29900
Clinton	60900	56400	55500	51500	52300	47500	44700	42700	39800	40900	40400
Crawford	46000	44400	42800	38600	43600	37400	35700	37000	37400	33300	35400
Dallas	117700	104000	93200	83300	75200	64000	64100	57100	54100	54200	50100
Davis	44000	44500	37300	39800	37500	32300	33900	34900	30400	32100	36500
Decatur	31400	32100	28300	27300	26400	22500	25100	30300	25400	28200	31800
Delaware	63300	64800	60700	57600	54600	43700	44300	40000	40000	41000	35900
Des Moines	66800	65500	61400	56100	48700	50000	47800	47600	45700	42400	47500
Dickinson	97200	103500	86400	77100	73900	72900	77600	64000	70200	67400	64100
Dubuque	94600	89800	82800	78500	73100	65600	60600	56600	54600	49700	50800
Emmet	44200	41000	39300	34300	37200	30100	29400	30100	31300	29400	26700
Fayette	45200	43800	37800	35800	30700	31700	29600	29800	28200	27100	28300
Floyd	49800	46900	48300	43200	41700	39100	33400	39100	35800	32700	33900
Franklin	46300	41900	39200	33700	34100	33400	29400	34400	30600	38400	30200
Fremont	55300	40400	38600	37900	38400	36100	28900	32700	27800	32400	29600
Greene	46700	37700	37200	39300	34000	38600	29300	28600	30600	29700	33400
Grundy	58400	55700	49400	45200	49600	40100	39400	38300	37700	35200	34800
Guthrie	75600	76700	57700	56500	58500	49500	39800	47400	45400	34000	32200
Hamilton	59600	53100	47100	49300	49600	45400	38400	43800	39600	42300	38800
Hancock	44800	43200	43600	36900	40200	39200	34400	36100	38000	38700	40800
Hardin	53100	45400	42200	40600	41200	33400	33800	34500	39400	35400	39500
Harrison	60600	57100	51000	41600	42500	39000	36400	35300	34400	32000	31600
Henry	70000	65700	62700	56900	58500	51000	45200	46100	44900	41300	46000
Howard	45800	41400	38500	35500	37100	35500	33200	31200	29800	28700	28000
Humboldt	53000	60500	49300	47900	50600	41400	40500	42200	35700	35800	36800
Ida	41800	43100	38700	40900	41800	33500	34600	35900	31000	30000	33800
Iowa	69800	67000	62200	55600	50600	51300	48100	41100	38800	38600	37100
Jackson	62000	60200	54100	49300	48200	44600	42500	41000	35900	39900	39400
Jasper	73600	71500	63000	57300	57800	57200	53300	49900	48700	45300	45800

Table 2. Average (Mean) Sales Price of Deed Sales of Residential Units in Iowa's Counties, 1987-1997 (cont.).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	70000	70500	67300	64400	62400	59300	54600	56100	47100	50400	47600
Johnson	125500	123300	119100	111600	104100	98700	92500	85000	80000	76000	76200
Jones	71300	56500	57800	46200	53600	44600	43800	44300	36700	41200	42000
Keokuk	39800	32900	38900	31900	32700	29200	24000	21800	25000	24800	21900
Kossuth	46000	45300	36900	43100	39500	35800	40500	35800	32500	37600	37100
Lee	54100	55200	47000	47900	43800	44500	36500	38200	39300	41800	43200
Linn	104000	101200	95000	87500	83800	78200	70600	67200	63000	60100	58900
Louisa	50200	42100	40700	38200	34300	33200	32200	32900	32700	34100	29900
Lucas	43100	41500	39300	44000	36100	35700	29500	33000	31400	32300	32300
Lyon	48700	45000	45600	41200	37900	35400	37600	29900	27800	31200	32000
Madison	77600	68100	65900	57600	58100	46900	45400	45800	41800	39900	39600
Mahaska	58700	54500	53500	47100	43700	40000	38400	37000	39400	31300	32000
Marion	79100	74500	72500	66000	64900	57900	54800	53500	47700	49300	49200
Marshall	67400	62700	56300	54600	55400	53300	50000	47100	48100	45600	48100
Mills	86100	78700	66900	64300	59300	59400	56500	50200	47900	49600	42800
Mitchell	53000	51100	51800	41000	37600	41000	31700	36100	34700	36600	32200
Monona	44900	39600	39500	34200	34000	32000	29800	24800	33700	27500	30100
Monroe	44700	43200	34300	34400	32700	30700	31200	30100	24200	28500	26300
Montgomery	45100	48700	46500	44200	44700	44500	37600	35400	38600	38000	39100
Muscatine	80200	74000	69200	67200	64000	60100	56100	54900	56600	54100	53800
O'Brien	52100	50700	48300	39800	42700	36800	34500	35400	35100	32900	34600
Osceola	45400	40600	33000	32400	38200	32800	38900	28400	32400	27700	26700
Page	51600	47700	42900	38700	38400	36300	38600	33400	35800	34400	34300
Palo Alto	43900	36700	36100	33700	32800	27600	26000	27700	27700	31300	28800
Plymouth	80900	81000	75300	72000	65800	55700	53300	50400	47200	47500	44100
Pocahontas	36300	34300	34100	28900	31200	29200	30900	28200	24600	24800	25700
Polk	107000	99500	97400	90900	86900	80500	76300	71900	69400	66900	65300
Pottawattamie	76800	69100	62900	59500	57100	55400	51400	48600	47700	47400	47400
Poweshiek	69600	63100	59100	58500	44600	49900	48700	49200	44900	45400	45400
Ringgold	49100	50800	44700	45400	35700	33600	25700	27500	26100	28400	38700
Sac	41600	36400	36700	31200	32400	28200	30500	29000	26700	24500	26500
Scott	94200	91400	88700	82300	78800	75200	68900	65200	61100	60600	59400
Shelby	59100	52600	41100	46200	43000	42100	40400	37500	37000	37900	41400
Sioux	68900	66300	61500	58400	54900	48100	48000	45500	42100	42800	39500
Story	107500	101000	95400	88600	85200	76900	74100	68200	63000	62700	62100
Tama	55500	47800	45100	37300	38000	36600	37300	32700	31100	31600	26200
Taylor	28200	26100	24900	22900	20500	21900	21700	20300	22000	25200	22300
Union	45300	48800	44300	38000	36100	38100	34400	34900	37200	32900	30400
Van Buren	34000	33100	29100	27400	26000	26400	22800	25100	21400	15200	20800
Wapello	55900	52100	48000	44200	39600	37300	41000	35900	36300	36800	36000
Warren	93200	91000	85500	81500	75000	60900	66100	63500	57100	56400	56400
Washington	65100	65100	59200	55600	52700	44000	47200	45600	41500	41300	38200
Wayne	32500	32200	27200	28200	27900	27000	26100	24600	27900	25400	16300
Webster	62700	56500	54900	50400	48800	47400	43500	42800	42400	42900	41200
Winnebago	54600	45700	45100	39600	41800	39200	38200	38000	38000	38900	37000
Winneshiek	77100	73700	61400	58700	56700	55700	53500	51400	48100	43900	40100
Woodbury	78400	76300	68600	65700	62400	60500	55700	52100	51900	46500	48800
Worth	42100	40200	37900	32900	36800	33300	34700	28900	27300	31800	33700
Wright	42900	41600	42800	40800	40900	36500	33600	37200	36200	33700	34000
State of Iowa	81600	76500	72000	67000	65100	60700	57100	54100	52100	50800	51200

Table 3. Average (Mean) Sales Price Adjusted for Inflation (1997 \$s) of Deed Sales of Residential Units in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	56800	39800	43200	44800	38800	38600	46400	38300	37600	40200	37700
Adams	37200	33900	48400	38100	38400	34800	33800	36000	32300	42900	38200
Allamakee	53200	46400	44800	46100	47600	46400	45600	47200	52000	51200	52200
Appanoose	47500	39500	41700	45300	40200	35800	34400	43600	41300	41600	40500
Audubon	42900	34600	36700	36400	27000	34700	30900	29700	33000	40800	37900
Benton	74800	68100	64800	57100	56500	53100	50400	51500	52200	49000	54000
Black Hawk	71900	69500	66800	67000	66300	66900	65900	65200	69200	65800	71900
Boone	66500	60300	60900	54300	54100	53600	50000	52000	59000	53900	58000
Bremer	82800	76000	73000	72000	70400	69000	62400	61400	67700	62700	68300
Buchanan	55700	55700	56700	51900	49300	45700	44300	46500	40900	43700	39600
Buena Vista	64000	58800	56400	57000	53700	55500	54800	55000	62300	67600	76400
Butler	54000	45400	49800	44000	40600	40100	37400	44500	35500	37500	44600
Calhoun	47500	53600	40400	38900	44300	39700	37800	40400	38700	36800	40000
Carroll	65400	65900	64400	63700	56900	55000	57400	55200	58700	63500	61100
Cass	51000	48100	49100	45300	47000	45800	49800	47900	51100	54700	51800
Cedar	72200	73700	70100	69200	61900	59600	57100	55800	61300	63900	64200
Cerro Gordo	68600	68800	69600	64000	66500	66300	69600	66000	68900	68900	73300
Cherokee	55700	52000	47200	43400	42900	46700	39700	41500	41900	44300	50900
Chickasaw	51500	54300	50200	51300	46200	52400	46400	43900	48600	48300	55600
Clarke	58800	56700	49500	47300	48800	47900	48800	51200	50300	48700	51600
Clay	68800	64300	61600	62700	56800	59300	56000	56300	56600	64200	68500
Clayton	55000	49800	48100	47300	44600	44700	39600	39800	44200	44100	43500
Clinton	60900	58200	59000	56600	59200	55400	53900	53800	52800	56700	58700
Crawford	46000	45800	45500	42400	49300	43700	43000	46600	49600	46300	51500
Dallas	117700	107200	99100	91500	85100	74700	77300	71900	71800	75100	72800
Davis	44000	45900	39700	43700	42400	37600	40900	43900	40300	44500	53000
Decatur	31400	33100	30200	29900	29900	26300	30200	38100	33700	39200	46300
Delaware	63300	66800	64600	63300	61800	50900	53400	50300	53200	56900	52100
Des Moines	66800	67600	65300	61600	55100	58300	57700	60000	60700	58800	69100
Dickinson	97200	106700	91900	84700	83700	85000	93500	80700	93200	93500	93200
Dubuque	94600	92500	88100	86200	82800	76500	73000	71300	72500	69000	73800
Emmet	44200	42300	41800	37700	42100	35100	35400	37900	41500	40800	38800
Fayette	45200	45200	40200	39300	34700	36900	35700	37600	37400	37600	41200
Floyd	49800	48300	51400	47400	47300	45600	40300	49200	47500	45300	49200
Franklin	46300	43200	41700	37000	38600	38900	35400	43400	40600	53300	43900
Fremont	55300	41600	41000	41700	43500	42100	34800	41200	36800	44900	43100
Greene	46700	38800	39600	43200	38400	45000	35400	36000	40600	41100	48600
Grundy	58400	57400	52600	49700	56100	46800	47500	48200	50000	48800	50500
Guthrie	75600	79100	61400	62100	66200	57800	48000	59700	60300	47200	46800
Hamilton	59600	54800	50100	54200	56200	52900	46300	55100	52600	58600	56300
Hancock	44800	44600	46400	40500	45600	45700	41400	45500	50400	53700	59300
Hardin	53100	46800	44900	44600	46700	39000	40800	43400	52300	49100	57300
Harrison	60600	58800	54200	45700	48100	45500	43800	44400	45700	44400	45900
Henry	70000	67700	66800	62500	66200	59400	54500	58100	59600	57200	66900
Howard	45800	42600	40900	39000	42100	41400	40000	39300	39600	39800	40700
Humboldt	53000	62300	52400	52600	57300	48300	48800	53100	47400	49600	53400
Ida	41800	44500	41200	44900	47300	39000	41700	45200	41200	41600	49100
Iowa	69800	69000	66200	61100	57300	59800	57900	51800	51500	53600	53900
Jackson	62000	62100	57600	54200	54600	52000	51300	51700	47600	55300	57200
Jasper	73600	73700	67000	62900	65500	66700	64300	62800	64700	62800	66500

Table 3. Average (Mean) Sales Price Adjusted for Inflation (1997 \$\$) of Deed Sales of Residential Units in Iowa's Counties, 1987-1997 (continued).

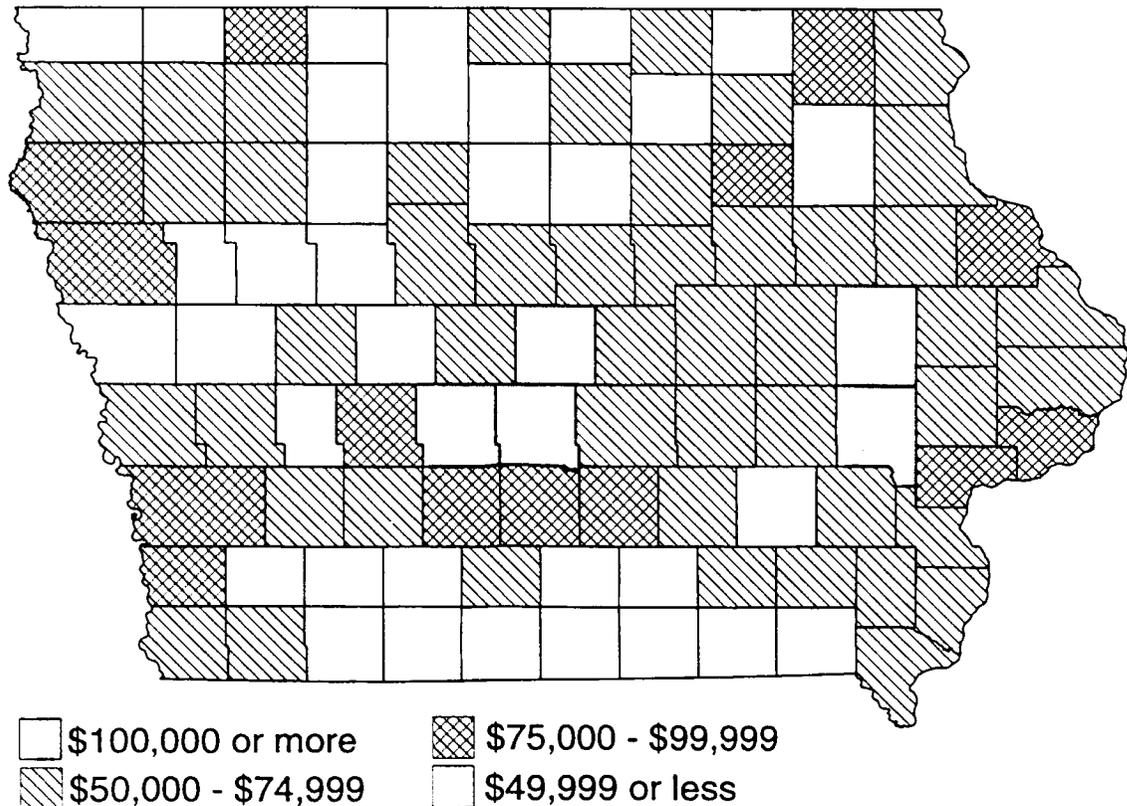
County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	70000	72700	71600	70700	70600	69100	65900	70600	62600	69900	69200
Johnson	125500	127100	126800	122600	117900	115000	111500	107000	106200	105500	110700
Jones	71300	58200	61500	50700	60700	52000	52800	55800	48700	57100	61000
Keokuk	39800	34000	41400	35000	37000	34100	29000	27400	33200	34400	31800
Kossuth	46000	46700	39200	47300	44700	41800	48800	45100	43100	52200	53900
Lee	54100	56900	50000	52600	49600	51900	44000	48100	52200	57900	62800
Linn	104000	104300	101100	96100	94900	91200	85000	84600	83600	83300	85500
Louisa	50200	43400	43300	42000	38800	38700	38800	41500	43400	47400	43400
Lucas	43100	42800	41900	48300	40800	41700	35600	41500	41700	44900	46900
Lyon	48700	46400	48600	45200	42900	41300	45300	37700	36900	43300	46600
Madison	77600	70200	70100	63300	65800	54700	54700	57700	55500	55400	57500
Mahaska	58700	56200	57000	51700	49500	46600	46300	46600	52300	43400	46600
Marion	79100	76800	77100	72500	73400	67500	66100	67400	63300	68300	71500
Marshall	67400	64600	59900	60000	62700	62100	60300	59300	63900	63300	70000
Mills	86100	81100	71100	70600	67100	69300	68000	63200	63600	68800	62200
Mitchell	53000	52700	55100	45100	42500	47800	38200	45500	46100	50700	46800
Monona	44900	40800	42100	37500	38500	37300	35900	31300	44800	38200	43700
Monroe	44700	44600	36500	37800	37000	35800	37600	37900	32100	39600	38200
Montgomery	45100	50200	49500	48600	50600	51900	45300	44500	51300	52700	56900
Muscatine	80200	76300	73600	73800	72400	70100	67600	69100	75100	75100	78300
O'Brien	52100	52200	51400	43700	48400	42900	41500	44500	46600	45600	50200
Osceola	45400	41800	35100	35600	43300	38300	46900	35700	43100	38500	38800
Page	51600	49100	45600	42500	43500	42300	46500	42100	47500	47700	49900
Palo Alto	43900	37800	38400	37000	37200	32200	31300	34900	36800	43500	41900
Plymouth	80900	83500	80100	79000	74500	65000	64300	63400	62700	65800	64200
Pocahontas	36300	35400	36300	31700	35300	34000	37300	35500	32700	34500	37400
Polk	107000	102600	103600	99800	98400	93800	92000	90500	92100	92800	94800
Pottawattamie	76800	71200	66900	65400	64700	64700	62000	61200	63400	65800	68900
Poweshiek	69600	65000	62900	64300	50500	58200	58700	62000	59700	62900	66000
Ringgold	49100	52400	47600	49900	40400	39200	31000	34600	34700	39400	56200
Sac	41600	37500	39000	34200	36700	32900	36800	36500	35500	34000	38500
Scott	94200	94200	94300	90400	89200	87700	83000	82100	81200	84100	86400
Shelby	59100	54200	43700	50700	48700	49100	48700	47200	49200	52600	60200
Sioux	68900	68300	65400	64100	62200	56100	57800	57300	55900	59400	57400
Story	107500	104100	101500	97400	96500	89700	89300	85900	83600	86900	90300
Tama	55500	49300	48000	41000	43100	42700	44900	41200	41300	43800	38000
Taylor	28200	27000	26500	25200	23200	25500	26100	25600	29200	35000	32500
Union	45300	50300	47200	41800	40900	44500	41500	43900	49400	45700	44100
Van Buren	34000	34100	31000	30100	29400	30800	27500	31600	28400	21000	30300
Wapello	55900	53700	51100	48600	44800	43500	49400	45200	48100	51100	52300
Warren	93200	93800	91000	89500	85000	71000	79700	80000	75800	78300	82000
Washington	65100	67100	63000	61100	59700	51400	56900	57400	55000	57300	55500
Wayne	32500	33200	29000	31000	31600	31500	31400	31000	37100	35300	23600
Webster	62700	58300	58400	55400	55200	55300	52400	53900	56300	59500	59800
Winnebago	54600	47100	48000	43500	47400	45700	46100	47900	50400	54000	53800
Winneshiek	77100	76000	65300	64500	64200	65000	64400	64700	63900	60800	58200
Woodbury	78400	78700	73000	72200	70600	70500	67100	65600	68900	64400	71000
Worth	42100	41500	40300	36100	41600	38800	41800	36400	36200	44100	49000
Wright	42900	42900	45500	44900	46300	42600	40500	46800	48000	46800	49400
State of Iowa	81600	78900	76600	73600	73700	70800	68800	68100	69200	70500	74400

Decatur (-\$400, -1.4%) was the only county to report a lower average price for housing in 1997 than 1987. Increases in the other 98 counties ranged from less than 20 percent in Hancock and Montgomery to more than 100 percent in Adair, Benton, Buchanan, Dallas, Guthrie, Mills, and Tama. The gain of \$67,600 in the average sales price in Dallas exceeded all others. Gains from \$40,000 to \$49,999 occurred in Dubuque, Guthrie, Johnson, Linn, Mills, Polk, and Story. Increases of less than \$10,000 took place in Davis, Hancock, Ida, Kossuth, Montgomery, Taylor, Worth, and Wright when 1987 and 1997 average sales prices were compared.

When housing sales prices were adjusted for inflation (using the Housing/Shelter Consumer Price Index), prices declined in 26 counties from 1987 to 1997 (Table 3). In Decatur, this decline was nearly \$15,000; decreases in Buena Vista, Hancock, and Montgomery also exceeded \$10,000. During the same period, average housing costs increased by more than \$15,000 in 14 counties even after inflation was taken into account, with the greatest increase in Dallas (+\$44,900). Gains ranged from \$10,000 to \$14,999 in 11 counties. In real dollars, Decatur's average housing sales price decreased by nearly a third and Hancock's by nearly a quarter. At the same time, average prices in Adair, Dallas, and Guthrie increased by more than 50 percent from 1987 to 1997 after inflation was controlled.

Note: Caution is urged in comparisons of average housing sales prices from one year to the next. In some instances, the average is based on a relatively small number of deed sales. When that occurs, one or two very low or very high prices can influence the average substantially.

Figure 1. Average (Mean) Sales Price of Deed Sales of Residential Units, 1997.



Farm Numbers, Acreage, and Size of Farms in Iowa's Counties: 1977-1997

Jim Sands, 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 98,000 farms reported for 1997, which was the second time the number was less than 100,000, represented a decrease of 5,000 from the total in 1992. Since 1977, farm numbers have declined by 27,000 (Table 1, Figure 1). The number of acres in farms also decreased (Table 2); the 33,200,000 acres reported in 1997 was 600,000 below the 1977 figure, a decline of 1.8 percent. Average farm size (in acres) has increased from 270 acres in 1977 to 339 in 1997, a gain of 69 acres over the 21 years (Table 3, Figure 2).

Counties vary by the number and average size of their farms. This variation is due to the physical size of the county; the terrain, soil, and commodities produced; and historical settlement patterns. Seven counties (Clayton, Dubuque, Kossuth, Linn, Plymouth, Sioux, Winneshiek) each had at least 1,500 farms. Their totals were more than double the number in the 19 counties with fewer than 750. Emmet, Louisa, and Mills were the only counties with fewer than 600 farms as of 1997. Acreage in farms varied from less than 300,000 acres in 29 counties to more than 400,000 in 16 others. Only Des Moines and Dickinson counties reported fewer than 225,000 acres in farms in 1997. In contrast, Kossuth, Plymouth, Pottawattamie, and Woodbury each had at least 500,000 acres in farms that year.

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

Change in Number of Farms

The number of farms declined in all 99 counties from 1977 to 1997. Thirty-seven counties reported decreases of 300 or more farms by the end of the period; 42 decreased from 200 to 299, and the remaining 20 lost fewer than 200 farms. Five counties (Adams, Decatur, Dickinson, Dubuque, Jackson) declined by fewer than 150 farms between 1977 and 1997; only Pottawattamie had at least 500 fewer farms in 1997 than in 1977.

Farms dropped by 8,000 from 1977 to 1982 and by another 10,000 from 1982 to 1987. The decline was 4,000 during the 1987-1992 period. In 1977, 20 counties had at least 1,500 farms; only seven did in 1997. The number of Iowa's farms decreased by 21.6 percent from 1977 to 1997 (Table 4). The drop was less than 10 percent in Dubuque and Jackson; it exceeded 30 percent in Grundy and Hamilton. At least 25 percent fewer farms were counted in another 23 counties. In the period from 1992 to 1997, farms decreased by 4.9 percent in the state.

In 52 counties, greater percentage declines occurred from 1982 to 1987 than in the other 5-year periods reported in Table 4. But 27 counties had larger decreases in the 1977-1982 period and another 16 had higher declines from 1987 to 1992. For Delaware, Dubuque, Jackson, and Sioux, however, percentage decreases were greater from 1992 to 1997 than the other periods.

Table 1. Estimated Number of Farms in Iowa's Counties, 1977-1997.

County	1997 ^a	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	880	880	900	910	920	930	930	940	950	970	980	1010	1030	1040	1050	1080	1080	1090	1110	1130	1140
Adams	660	660	670	670	680	690	690	690	700	710	700	720	720	730	730	750	750	750	760	780	790
Allamakee	1060	1060	1080	1090	1100	1110	1110	1110	1110	1120	1090	1110	1120	1120	1130	1150	1180	1180	1200	1210	1230
Appanoose	850	850	870	880	890	900	900	900	900	900	890	890	890	900	900	930	960	990	990	1000	1040
Audubon	770	770	780	790	800	810	810	830	840	860	870	880	890	900	910	920	940	960	980	1000	1010
Benton	1320	1320	1350	1360	1380	1390	1390	1410	1420	1460	1470	1490	1520	1570	1580	1590	1590	1600	1620	1650	1650
Black Hawk	1100	1100	1120	1130	1140	1160	1160	1190	1220	1280	1300	1320	1330	1330	1340	1370	1370	1380	1400	1410	1460
Boone	910	910	930	940	950	960	960	980	1000	1020	1040	1050	1080	1110	1140	1170	1180	1190	1210	1250	1280
Bremer	1060	1060	1080	1090	1110	1120	1120	1130	1150	1170	1170	1190	1210	1240	1280	1300	1300	1300	1310	1390	1390
Buchanan	1170	1170	1190	1200	1210	1220	1220	1250	1280	1340	1360	1380	1390	1390	1400	1420	1460	1490	1510	1510	1570
Buena Vista	940	940	960	970	980	990	990	1010	1050	1080	1120	1150	1170	1180	1190	1210	1240	1250	1250	1280	1280
Butler	1190	1190	1210	1220	1230	1250	1250	1270	1280	1310	1320	1340	1380	1420	1460	1490	1510	1510	1520	1520	1550
Calhoun	870	870	890	890	900	910	910	940	960	980	1010	1040	1080	1110	1170	1180	1180	1180	1190	1220	1220
Carroll	1160	1160	1180	1190	1200	1220	1220	1250	1270	1330	1350	1370	1390	1390	1400	1420	1420	1420	1430	1430	1430
Cass	900	900	920	930	930	940	940	940	950	970	950	980	1000	1050	1080	1100	1100	1110	1140	1150	1160
Cedar	1090	1090	1110	1120	1140	1150	1150	1160	1170	1200	1200	1220	1240	1280	1320	1330	1330	1340	1360	1400	1400
Cerro Gordo	860	860	880	890	900	910	910	920	930	950	950	970	1000	1020	1040	1050	1050	1060	1080	1120	1120
Cherokee	960	960	970	980	1000	1000	1000	1020	1050	1080	1110	1140	1170	1210	1220	1220	1220	1230	1240	1260	1260
Chickasaw	1030	1030	1060	1070	1080	1080	1080	1080	1080	1100	1080	1100	1110	1130	1170	1200	1200	1200	1210	1220	1220
Clarke	700	700	710	720	720	730	730	720	720	720	710	730	740	750	770	780	780	790	810	820	850
Clay	780	780	790	800	810	820	820	840	860	880	890	910	950	1000	1050	1060	1060	1070	1080	1100	1100
Clayton	1700	1700	1730	1750	1760	1780	1780	1760	1740	1740	1700	1710	1710	1710	1720	1750	1810	1830	1850	1850	1930
Clinton	1370	1370	1400	1420	1430	1440	1440	1450	1460	1490	1470	1490	1520	1550	1560	1590	1620	1640	1640	1660	1660
Crawford	1250	1250	1280	1290	1300	1320	1320	1330	1340	1370	1370	1400	1450	1490	1510	1540	1560	1560	1570	1590	1680
Dallas	970	970	990	1000	1010	1020	1020	1040	1050	1070	1100	1110	1140	1170	1200	1220	1220	1220	1230	1270	1270
Davis	910	910	930	940	950	960	960	960	960	960	940	940	940	940	950	970	990	1000	1040	1040	1090
Decatur	710	710	720	730	740	750	750	750	740	740	730	750	760	760	770	780	790	790	810	820	850
Delaware	1350	1350	1380	1390	1400	1420	1420	1430	1440	1470	1460	1460	1460	1460	1470	1500	1500	1500	1510	1530	1560
Des Moines	700	700	710	710	720	730	730	740	750	760	770	790	800	800	810	830	830	840	890	890	930
Dickinson	600	600	610	620	620	630	630	630	620	630	610	620	640	640	650	670	680	690	700	700	700
Dubuque	1650	1650	1680	1700	1720	1730	1730	1720	1710	1710	1680	1690	1690	1690	1700	1730	1730	1730	1740	1740	1780
Emmet	590	590	600	600	610	620	620	620	620	630	620	630	650	680	710	720	740	740	750	760	760
Fayette	1440	1440	1470	1490	1500	1520	1520	1530	1530	1560	1540	1570	1590	1620	1630	1660	1700	1730	1770	1780	1880

^aYear in which estimates were not revised

Table 1. Estimated Number of Farms in Iowa's Counties, 1977-1997 (continued).

County	1997 ^a	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	910	910	930	940	950	960	960	970	990	1010	1010	1030	1050	1070	1090	1110	1120	1120	1130	1140	1170
Franklin	950	950	970	980	990	1000	1000	1010	1020	1040	1030	1050	1080	1120	1160	1180	1180	1190	1210	1260	1260
Fremont	600	600	610	620	620	630	630	660	680	690	730	750	750	760	760	780	780	790	800	830	840
Greene	830	830	850	860	870	870	870	890	920	940	970	1000	1030	1050	1060	1070	1070	1090	1100	1130	1130
Grundy	820	820	840	850	850	860	860	910	950	980	1050	1060	1090	1110	1120	1150	1160	1170	1180	1230	1260
Guthrie	1010	1010	1030	1040	1050	1060	1060	1040	1020	1020	980	1010	1050	1080	1110	1120	1120	1120	1130	1160	1180
Hamilton	860	860	880	890	900	910	910	940	970	1000	1040	1060	1080	1110	1150	1170	1190	1210	1240	1290	1290
Hancock	930	930	950	960	970	980	980	1000	1020	1040	1070	1090	1120	1150	1170	1190	1210	1220	1230	1280	1280
Hardin	970	970	990	1000	1010	1020	1020	1040	1050	1070	1080	1100	1120	1160	1200	1220	1220	1230	1250	1280	1290
Harrison	930	930	950	960	970	980	980	1000	1010	1030	1050	1080	1120	1160	1190	1210	1220	1240	1250	1280	1310
Henry	840	840	860	870	870	880	880	890	900	920	910	930	950	950	960	980	980	990	1050	1070	1120
Howard	930	930	950	960	970	980	980	980	970	990	960	980	990	1010	1050	1070	1070	1070	1080	1110	1110
Humboldt	650	650	660	670	680	680	680	700	730	750	770	780	800	820	840	860	860	870	870	900	900
Ida	710	710	730	740	750	750	750	760	780	800	800	820	840	860	870	890	890	900	900	920	930
Iowa	1020	1020	1040	1050	1060	1070	1070	1070	1080	1100	1080	1100	1120	1130	1140	1170	1180	1190	1200	1210	1210
Jackson	1370	1370	1400	1410	1420	1440	1440	1430	1410	1410	1380	1400	1400	1400	1410	1440	1460	1460	1470	1470	1470
Jasper	1330	1330	1340	1360	1380	1390	1390	1410	1430	1460	1480	1500	1530	1550	1580	1610	1610	1620	1630	1680	1690
Jefferson	790	790	810	820	830	840	840	830	820	820	790	810	830	860	890	910	920	930	1000	1010	1060
Johnson	1300	1300	1330	1340	1350	1370	1370	1380	1380	1410	1390	1410	1440	1480	1500	1520	1520	1530	1540	1560	1560
Jones	1130	1130	1150	1160	1170	1180	1180	1180	1190	1200	1190	1210	1230	1270	1300	1320	1360	1360	1360	1370	1370
Keokuk	1010	1010	1030	1040	1050	1060	1060	1060	1060	1080	1050	1070	1100	1140	1190	1210	1210	1220	1300	1310	1380
Kossuth	1560	1560	1590	1600	1620	1630	1630	1660	1680	1730	1750	1780	1820	1860	1880	1910	1920	1940	1970	2030	2030
Lee	910	910	930	940	950	960	960	970	980	1000	1010	1030	1050	1050	1060	1080	1080	1080	1130	1140	1200
Linn	1570	1570	1600	1620	1640	1650	1650	1670	1680	1710	1710	1740	1760	1790	1800	1820	1820	1830	1840	1860	1860
Louisa	590	590	600	610	620	620	620	630	630	640	640	650	670	680	700	710	710	720	780	790	830
Lucas	680	680	700	700	710	720	720	720	710	710	700	720	730	740	770	790	800	840	850	850	880
Lyon	1160	1160	1190	1200	1210	1220	1220	1230	1240	1270	1260	1290	1320	1360	1390	1410	1420	1420	1430	1430	1430
Madison	1060	1060	1080	1090	1100	1110	1110	1100	1090	1090	1080	1110	1120	1130	1150	1180	1200	1250	1260	1270	1320
Mahaska	1130	1130	1150	1170	1180	1190	1190	1190	1190	1210	1200	1220	1240	1250	1260	1280	1290	1290	1360	1370	1440
Marion	1070	1070	1090	1100	1110	1120	1120	1130	1140	1140	1150	1180	1190	1210	1230	1250	1250	1260	1350	1370	1420
Marshall	1010	1010	1030	1040	1050	1060	1060	1070	1080	1100	1090	1110	1130	1160	1190	1220	1230	1230	1240	1240	1250
Mills	570	570	580	590	600	600	600	610	630	640	650	670	670	680	680	690	700	740	750	790	800
Mitchell	820	820	840	850	860	870	870	890	920	950	960	980	990	1000	1010	1020	1020	1030	1050	1060	1090

Table 1. Estimated Number of Farms in Iowa's Counties, 1977-1997 (continued).

County	1997 ^a	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	830	830	850	860	870	880	880	880	880	900	870	880	910	920	930	950	970	1000	1000	1050	1050
Monroe	690	690	700	710	720	720	720	730	740	740	750	750	750	750	760	770	780	810	830	830	860
Montgomery	630	630	640	650	660	660	660	670	690	700	710	730	740	760	760	780	780	790	790	790	800
Muscatine	810	810	830	840	840	850	850	860	880	910	920	930	940	970	1000	1010	1010	1030	1040	1050	1050
O'Brien	1100	1100	1130	1140	1150	1160	1160	1190	1200	1230	1260	1290	1320	1330	1340	1360	1360	1360	1370	1380	1380
Osceola	710	710	730	740	740	750	750	750	750	770	750	770	790	820	840	850	850	850	860	860	860
Page	940	940	960	970	980	990	990	1000	1010	1030	1030	1040	1040	1050	1050	1070	1070	1080	1090	1160	1170
Palo Alto	860	860	880	890	900	900	900	910	930	950	950	980	1000	1010	1020	1040	1050	1070	1070	1100	1100
Plymouth	1610	1610	1650	1660	1680	1700	1700	1720	1730	1770	1770	1810	1830	1870	1880	1900	1910	1920	1930	1950	1950
Pocahontas	890	890	900	910	920	930	930	950	970	990	1010	1040	1070	1100	1110	1130	1140	1160	1170	1180	1180
Polk	850	850	870	880	890	890	890	920	950	980	1020	1040	1060	1080	1100	1120	1140	1140	1150	1150	1170
Pottawattamie	1400	1400	1430	1440	1460	1470	1470	1520	1560	1610	1670	1700	1730	1780	1810	1850	1900	1900	1900	1900	1920
Poweshiek	1020	1020	1040	1050	1060	1070	1070	1070	1070	1090	1060	1080	1100	1130	1140	1170	1180	1190	1200	1220	1250
Ringgold	730	730	740	750	760	770	770	750	730	730	710	730	740	750	770	800	810	820	860	870	900
Sac	940	940	960	970	970	980	980	1000	1020	1050	1060	1090	1120	1140	1150	1160	1160	1160	1160	1190	1190
Scott	890	890	910	920	930	940	940	950	970	990	990	1010	1030	1060	1090	1110	1110	1120	1130	1170	1170
Shelby	1060	1060	1080	1090	1100	1110	1110	1130	1160	1190	1200	1230	1270	1300	1320	1340	1340	1340	1350	1370	1370
Sioux	1930	1930	1970	1990	2010	2030	2030	2040	2040	2080	2050	2070	2090	2100	2100	2130	2130	2140	2150	2200	2200
Story	980	980	1000	1010	1020	1030	1030	1060	1100	1140	1160	1180	1210	1230	1240	1250	1250	1260	1280	1340	1360
Tama	1320	1320	1350	1360	1370	1390	1390	1400	1400	1430	1430	1450	1480	1480	1490	1530	1550	1560	1600	1630	1660
Taylor	780	780	800	800	810	820	820	810	800	800	780	800	820	850	880	900	940	950	960	970	980
Union	700	700	710	720	720	730	730	720	720	720	700	720	730	740	770	780	780	790	860	870	900
Van Buren	800	800	810	820	830	840	840	830	830	830	800	820	840	850	880	900	910	930	970	990	1040
Wapello	800	800	820	820	830	840	840	850	880	900	910	930	950	950	960	970	1020	1020	1040	1040	1090
Warren	1230	1230	1260	1270	1280	1300	1300	1300	1310	1310	1320	1340	1360	1370	1390	1410	1410	1420	1470	1480	1530
Washington	1090	1090	1110	1120	1130	1140	1140	1150	1160	1200	1180	1210	1230	1230	1240	1260	1260	1280	1340	1350	1420
Wayne	760	760	780	790	800	800	800	790	780	780	760	780	790	800	820	830	840	840	910	920	950
Webster	1030	1030	1050	1060	1070	1080	1080	1120	1160	1200	1250	1260	1280	1310	1350	1370	1370	1380	1390	1420	1430
Winnebago	690	690	710	710	710	720	720	730	740	760	760	770	790	810	840	860	870	880	910	930	930
Winneshiek	1580	1580	1610	1630	1650	1660	1660	1660	1660	1690	1660	1690	1700	1700	1710	1750	1780	1790	1820	1850	1870
Woodbury	1320	1320	1350	1360	1380	1390	1390	1390	1390	1410	1370	1400	1450	1500	1580	1600	1630	1630	1640	1660	1700
Worth	710	710	720	730	740	740	740	730	710	710	680	690	730	760	800	810	830	840	860	870	870
Wright	800	800	820	830	830	850	850	860	880	900	900	920	940	970	1010	1020	1030	1040	1070	1090	1100
State of Iowa	98000	98000	100000	101000	102000	103000	103000	104000	105000	107000	107000	109000	111000	113000	115000	117000	118000	119000	121000	123000	125000

Table 2. Estimated Number of Acres in Farms in Iowa's Counties, 1977-1997.

County	1997 ^a	1996	1995 ^a	1994	1993	1992	1991 ^a	1990 ^a	1989 ^a	1988 ^a	1987	1986 ^a	1985 ^a	1984	1983 ^a	1982 ^a	1981	1980 ^a	1979 ^a	1978 ^a	1977
Adair	354200	354200	353700	353700	354500	355100	355500	355500	355500	355500	355500	356400	356400	356400	357500	357500	357500	358500	358500	358500	358500
Adams	263500	263500	262900	262900	263500	264100	264300	264300	264300	264300	264300	264700	264700	264700	265500	265500	265500	266300	266300	266300	266300
Allamakee	367800	367800	367900	367900	369300	371100	373600	373600	373600	373600	373600	373600	373600	373600	374800	374800	374800	375900	375900	375900	375900
Appanoose	285600	285600	285400	285400	286000	286700	286700	286700	286700	286700	286700	289400	289400	289400	290300	290300	290300	291100	291100	291100	291100
Audubon	277600	277600	277000	277000	277600	278100	277500	277500	277500	277500	277500	277500	277500	277500	278300	278300	278300	279200	279200	279200	279200
Benton	428700	428700	428600	428600	429700	431200	432500	432500	432500	432500	432500	434800	434800	434800	436100	436100	436100	437400	437400	437400	437400
Black Hawk	304400	304400	304500	304500	305200	306400	306200	306200	306200	306200	306200	308500	308500	308500	309400	309400	309400	310400	310400	310400	310400
Boone	332000	332000	331600	331600	332800	333600	331300	331300	331300	331300	331300	337400	337400	337400	338400	338400	338400	339400	339400	339400	339400
Bremer	255700	255700	256500	256500	257500	258600	260300	260300	260300	260300	260300	260300	260300	260300	261000	261000	261000	261800	261800	261800	261800
Buchanan	344200	344200	343700	343700	344500	345400	345900	345900	345900	345900	345900	345900	345900	345900	346900	346900	346900	348000	348000	348000	348000
Buena Vista	349800	349800	349200	349200	350100	350900	351300	351300	351300	351300	351300	351900	351900	351900	352900	352900	352900	353900	353900	353900	353900
Butler	350300	350300	350000	350000	351400	352100	352300	352300	352300	352300	352300	353000	353000	353000	354100	354100	354100	355100	355100	355100	355100
Calhoun	350000	350000	349000	349000	349800	350500	350800	350800	350800	350800	350800	351900	351900	351900	352900	352900	352900	353900	353900	353900	353900
Carroll	348300	348300	348200	348200	349200	350100	350500	350500	350500	350500	350500	351400	351400	351400	352400	352400	352400	353400	353400	353400	353400
Cass	345600	345600	344800	344800	345600	346400	346600	346600	346600	346600	346600	347000	347000	347000	348000	348000	348000	349100	349100	349100	349100
Cedar	349300	349300	348900	348900	349800	350600	351400	351400	351400	351400	351400	352000	352000	352000	353100	353100	353100	354100	354100	354100	354100
Cerro Gordo	329500	329500	331500	331500	332700	333200	336200	336200	336200	336200	336200	338400	338400	338400	339300	339400	339400	340400	340400	340400	340400
Cherokee	353900	353900	353600	353600	354500	355100	355300	355300	355300	355300	355300	355900	355900	355900	357000	357000	357000	358000	358000	358000	358000
Chickasaw	306000	306000	305900	305900	306800	307200	305100	305100	305100	305100	305100	305100	305100	305100	306000	306000	306000	306900	306900	306900	306900
Clarke	262000	262000	261600	261600	263000	263600	263900	263900	263900	263900	263900	264200	264200	264200	265000	265000	265000	265800	265800	265800	265800
Clay	342200	342200	342200	342200	343000	344100	345100	345100	345100	345100	345100	345800	345800	345800	346800	346800	346800	347900	347900	347900	347900
Clayton	462800	462800	462200	462200	463300	464500	465300	465300	465300	465300	465300	465300	465300	465300	466700	466700	466700	468100	468100	468100	468100
Clinton	406200	406200	406100	406100	407600	408700	409200	409200	409200	409200	409200	409200	409200	409200	410500	410400	410400	411700	411700	411700	411700
Crawford	441400	441400	440600	440600	441600	442700	443100	443100	443100	443100	443100	444400	444400	444400	445700	445700	445700	447100	447100	447100	447100
Dallas	338000	338000	340000	340000	341700	342500	345600	345600	345600	345600	345600	345600	345600	345600	346600	346600	346600	347700	347700	347700	347700
Davis	307400	307400	307500	307500	308400	309000	313600	313600	313600	313600	313600	310600	310600	310600	311600	311600	311600	312500	312500	312500	312500
Decatur	324100	324100	323700	323700	324600	325300	325100	325100	325100	325100	325100	325100	325100	325100	326000	326000	326000	327000	327000	327000	327000
Delaware	345600	345600	345000	345000	346000	346900	348700	348700	348700	348700	348700	348700	348700	348700	349700	349700	349700	350700	350700	350700	350700
Des Moines	216400	216400	216300	216300	216800	217400	218300	218300	218300	218300	218300	218500	218500	218500	219200	219200	219200	219800	219800	219800	219800
Dickinson	218300	218300	220100	220100	220700	222200	224700	224700	224700	224700	224700	226800	226800	226800	227400	227400	227400	228100	228100	228100	228100
Dubuque	343600	343600	344700	344700	345700	346700	348400	348400	348400	348400	348400	348400	348400	348400	349400	349400	349400	350400	350400	350400	350400
Emmet	238500	238500	238200	238200	238800	239400	240300	240300	240300	240300	240300	240800	240800	240800	241600	241600	241600	242300	242300	242300	242300
Fayette	439800	439800	439400	439400	440500	441500	441100	441100	441100	441100	441100	441100	441100	441100	442400	442500	442500	443800	443800	443800	443800

^aYears in which estimates were not revised

Table 2. Estimated Number of Acres in Farms in Iowa's Counties, 1977-1997 (continued).

County	1997 ^a	1996	1995 ^a	1994	1993	1992	1991 ^a	1990 ^a	1989 ^a	1988 ^a	1987	1986 ^a	1985 ^a	1984	1983 ^a	1982 ^a	1981	1980 ^a	1979 ^a	1978 ^a	1977
Floyd	301100	301100	300900	300900	301600	302500	302600	302600	302600	302600	302600	303600	303600	303600	304500	304500	304500	305400	305400	305400	305400
Franklin	355900	355900	355200	355200	356100	356800	357300	357300	357300	357300	357300	358100	358100	358100	359100	359100	359100	360200	360200	360200	360200
Fremont	309300	309300	309600	309600	310300	311100	311800	311800	311800	311800	311800	312800	312800	312800	313800	313700	313700	314700	314700	314700	314700
Greene	352300	352300	351800	351800	352900	353700	354100	354100	354100	354100	354100	354400	354400	354400	355500	355500	355500	356500	356500	356500	356500
Grundy	311600	311600	311200	311200	311900	312700	312800	312800	312800	312800	312800	312800	312800	312800	313700	313700	313700	314600	314600	314600	314600
Guthrie	362300	362300	361800	361800	362500	363100	363800	363800	363800	363800	363800	364400	364400	364400	365500	365500	365500	366600	366600	366600	366600
Hamilton	349900	349900	349000	349000	350000	350800	350600	350600	350600	350600	350600	350600	350600	350600	351600	351700	351700	352700	352700	352700	352700
Hancock	346500	346500	346800	346800	347800	348900	349300	349300	349300	349300	349300	350000	350000	350000	351000	351000	351000	352000	352000	352000	352000
Hardin	344500	344500	344100	344100	345000	345800	346200	346200	346200	346200	346200	347200	347200	347200	348200	348200	348200	349200	349200	349200	349200
Harrison	419200	419200	418400	418400	419500	420500	421900	421900	421900	421900	421900	425000	425000	425000	426300	426300	426300	427500	427500	427500	427500
Henry	259700	259700	259400	259400	260400	261000	262100	262100	262100	262100	262100	262300	262300	262300	263100	263100	263100	263900	263900	263900	263900
Howard	289200	289200	288900	288900	289600	290400	288400	288400	288400	288400	288400	288400	288400	288400	289300	289300	289300	290100	290100	290100	290100
Humboldt	266200	266200	265800	265800	266300	266900	267200	267200	267200	267200	267200	267400	267400	267400	268200	268200	268200	269000	269000	269000	269000
Ida	267400	267400	266800	266800	267300	267900	268000	268000	268000	268000	268000	268400	268400	268400	269200	269200	269200	270000	270000	270000	270000
Iowa	354000	354000	356600	356600	357500	358600	360400	360400	360400	360400	360400	361100	361100	361100	362100	362100	362100	363200	363200	363200	363200
Jackson	374800	374800	374700	374700	375500	376600	378400	378400	378400	378400	378400	378800	378800	378800	379900	379900	379900	381100	381100	381100	381100
Jasper	428200	428200	428400	428400	430300	431600	438600	438600	438600	438600	438600	439300	439300	439300	440700	440700	440700	442000	442000	442000	442000
Jefferson	257300	257300	257500	257500	258600	260500	262300	262300	262300	262300	262300	263400	263400	263400	264300	264200	264200	265000	265000	265000	265000
Johnson	318000	318000	321000	321000	323000	324600	330000	330000	330000	330000	330000	337700	337700	337700	338700	338700	338700	339700	339700	339700	339700
Jones	346100	346100	345900	345900	346600	347500	348100	348100	348100	348100	348100	348900	348900	348900	349900	349900	349900	350900	350900	350900	350900
Keokuk	354300	354300	351800	351800	353000	354500	356400	356400	356400	356400	356400	356400	356400	356400	357400	357500	357500	358500	358500	358500	358500
Kossuth	596700	596700	595900	595900	597200	598600	598700	598700	598700	598700	598700	600300	600300	600300	602100	602100	602100	603900	603900	603900	603900
Lee	291500	291500	291600	291600	292700	293700	294800	294800	294800	294800	294800	294800	294800	294800	295600	295600	295600	296500	296500	296500	296500
Linn	377600	377600	379600	379600	381200	382800	387200	387200	387200	387200	387200	389400	389400	389400	390600	390600	390600	391700	391700	391700	391700
Louisa	226600	226600	229400	229400	230300	231000	232000	232000	232000	232000	232000	233400	233400	233400	234100	234100	234100	234800	234800	234800	234800
Lucas	253100	253100	252900	252900	253900	249500	251100	251100	251100	251100	251100	255300	255300	255300	256100	256100	256100	256800	256800	256800	256800
Lyon	361600	361600	361000	361000	361700	362600	362800	362800	362800	362800	362800	363200	363200	363200	364300	364300	364300	365400	365400	365400	365400
Madison	347100	347100	346700	346700	347300	348200	347400	347400	347400	347400	347400	347400	347400	347400	348400	348400	348400	349500	349500	349500	349500
Mahaska	342500	342500	343300	343300	344500	345600	347100	347100	347100	347100	347100	350900	350900	350900	351900	351900	351900	352900	352900	352900	352900
Marion	300000	300000	299900	299900	300900	302000	303600	303600	303600	303600	303600	308700	308700	308700	309600	309600	309600	310600	310600	310600	310600
Marshall	338400	338400	338300	338300	340000	342100	344200	344200	344200	344200	344200	344400	344400	344400	345500	345500	345500	346500	346500	346500	346500
Mills	264200	264200	264100	264100	264700	265400	267200	267200	267200	267200	267200	267200	267200	267200	268000	268000	268000	268800	268800	268800	268800
Mitchell	286600	286600	286000	286000	286700	287400	287800	287800	287800	287800	287800	288700	288700	288700	289600	289600	289600	290400	290400	290400	290400

Table 2. Estimated Number of Acres in Farms in Iowa's Counties, 1977-1997 (continued).

County	1997 ^a	1996	1995 ^a	1994	1993	1992	1991 ^a	1990 ^a	1989 ^a	1988 ^a	1987	1986 ^a	1985 ^a	1984	1983 ^a	1982 ^a	1981	1980 ^a	1979 ^a	1978 ^a	1977
Monona	418300	418300	417500	417500	418300	418800	418600	418600	418600	418600	418600	421200	421200	421200	422500	422500	422500	423700	423700	423700	423700
Monroe	261900	261900	261700	261700	262900	263600	264200	264200	264200	264200	264200	264200	264200	264200	265000	265000	265000	265800	265800	265800	265800
Montgomery	258200	258200	257700	257700	258400	259200	260400	260400	260400	260400	260400	260800	260800	260800	261500	261500	261500	262300	262300	262300	262300
Muscatine	245800	245800	247900	247900	248700	249200	250100	250100	250100	250100	250100	250500	250500	250500	251300	251300	251300	252000	252000	252000	252000
O'Brien	351700	351700	351100	351100	351700	352400	352300	352300	352300	352300	352300	352600	352600	352600	353600	353700	353700	354700	354700	354700	354700
Osceola	244700	244700	244200	244200	244700	245300	245500	245500	245500	245500	245500	246500	246500	246500	247200	247200	247200	248000	248000	248000	248000
Page	325200	325200	325200	325200	326000	326700	327300	327300	327300	327300	327300	328600	328600	328600	329600	329700	329700	330600	330600	330600	330600
Palo Alto	345600	345600	345700	345700	346800	347600	348500	348500	348500	348500	348500	348800	348800	348800	349800	349800	349800	350800	350800	350800	350800
Plymouth	527300	527300	527100	527100	528900	530500	532600	532600	532600	532600	532600	534300	534300	534300	535900	535900	535900	537500	537500	537500	537500
Pocahontas	353600	353600	353100	353100	353800	354500	354400	354400	354400	354400	354400	355400	355400	355400	356500	356500	356500	357500	357500	357500	357500
Polk	233800	233800	239900	239900	243100	246400	252800	252800	252800	252800	252800	260000	260000	260000	260800	260700	260700	261500	261500	261500	261500
Pottawattamie	554100	554100	554300	554300	555300	557100	559900	559900	559900	559900	559900	562100	562100	562100	563700	563700	563700	565400	565400	565400	565400
Poweshiek	355000	355000	354300	354300	355200	356200	356900	356900	356900	356900	356900	357600	357600	357600	358600	358600	358600	359700	359700	359700	359700
Ringgold	336000	336000	335500	335500	336300	336700	337300	337300	337300	337300	337300	337700	337700	337700	338600	338700	338700	339700	339700	339700	339700
Sac	351600	351600	351000	351000	352000	352800	353500	353500	353500	353500	353500	355100	355100	355100	356200	356200	356200	357200	357200	357200	357200
Scott	232300	232300	233100	233100	234400	235200	238000	238000	238000	238000	238000	239000	239000	239000	239700	239700	239700	240400	240400	240400	240400
Shelby	363500	363500	362900	362900	364200	365000	365200	365200	365200	365200	365200	365400	365400	365400	366600	366500	366500	367600	367600	367600	367600
Sioux	466300	466300	465900	465900	467100	468100	467300	467300	467300	467300	467300	468000	468000	468000	469400	469400	469400	470800	470800	470800	470800
Story	326800	326800	327400	327400	328800	329700	331800	331800	331800	331800	331800	333700	333700	333700	334700	334700	334700	335700	335700	335700	335700
Tama	426800	426800	427700	427700	428800	437200	437500	437500	437500	437500	437500	437900	437900	437900	439200	439200	439200	440500	440500	440500	440500
Taylor	332200	332200	331100	331100	332300	332600	332700	332700	332700	332700	332700	333200	333200	333200	334200	334200	334200	335200	335200	335200	335200
Union	256300	256300	255700	255700	257200	258400	259700	259700	259700	259700	259700	259700	259700	259700	260500	260400	260400	261200	261200	261200	261200
Van Buren	290200	290200	290700	290700	291900	293500	296000	296000	296000	296000	296000	296500	296500	296500	297400	297400	297400	298300	298300	298300	298300
Wapello	245900	245900	246100	246100	246700	248000	249300	249300	249300	249300	249300	249600	249600	249600	250300	250300	250300	251100	251100	251100	251100
Warren	325700	325700	327100	327100	328900	330500	331500	331500	331500	331500	331500	334300	334300	334300	335300	335300	335300	336300	336300	336300	336300
Washington	339600	339600	339700	339700	340500	341400	343200	343200	343200	343200	343200	344100	344100	344100	345100	345100	345100	346200	346200	346200	346200
Wayne	321400	321400	321300	321300	322000	322700	322900	322900	322900	322900	322900	323800	323800	323800	324800	324800	324800	325700	325700	325700	325700
Webster	419600	419600	419100	419100	420100	421500	422900	422900	422900	422900	422900	423900	423900	423900	425100	425200	425200	426400	426400	426400	426400
Winnebago	239600	239600	239700	239700	240400	241000	241600	241600	241600	241600	241600	243300	243300	243300	244100	244000	244000	244800	244800	244800	244800
Winneshiek	416500	416500	415700	415700	416800	418100	419200	419200	419200	419200	419200	419200	419200	419200	420500	420500	420500	421700	421700	421700	421700
Woodbury	504000	504000	502700	502700	504200	508200	509800	509800	509800	509800	509800	510100	510100	510100	511600	511600	511600	513200	513200	513200	513200
Worth	240200	240200	239700	239700	240500	241100	241900	241900	241900	241900	241900	242800	242800	242800	243500	243500	243500	244300	244300	244300	244300
Wright	353900	353900	353400	353400	354100	355000	355300	355300	355300	355300	355300	355800	355800	355800	356900	356900	356900	357900	357900	357900	357900
State of Iowa	33200000		33200000		33400000		33500000		33500000		33600000		33600000		33700000		33800000		33800000		33800000
	33200000	33200000	33300000	33300000	33500000	33500000	33500000	33500000	33500000	33500000	33600000	33600000	33700000	33700000	33700000	33700000	33800000	33800000	33800000	33800000	33800000

Table 3. Estimated Average Size (in acres) of Farms in Iowa's Counties, 1977-1997.

County	1997 ^a	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	403	403	393	389	385	382	382	378	374	366	363	353	346	343	340	331	331	329	323	317	314
Adams	399	399	392	392	388	383	383	383	378	372	378	368	368	363	364	354	354	355	350	341	337
Allamakee	347	347	341	338	336	334	337	337	337	334	343	337	334	334	332	326	318	319	313	311	306
Appanoose	336	336	328	324	321	319	319	319	319	319	322	325	325	322	323	312	302	294	294	291	280
Audubon	361	361	355	351	347	343	343	334	330	323	319	315	312	308	306	303	296	291	285	279	276
Benton	325	325	317	315	311	310	311	307	305	296	294	292	286	277	276	274	274	273	270	265	265
Black Hawk	277	277	272	269	268	264	264	257	251	239	236	234	232	232	231	226	226	225	222	220	213
Boone	365	365	357	353	350	348	345	338	331	325	319	321	312	304	297	289	287	285	280	272	265
Bremer	241	241	238	235	232	231	232	230	226	222	222	219	215	210	204	201	201	201	200	188	188
Buchanan	294	294	289	286	285	283	284	277	270	258	254	251	249	249	248	244	238	234	230	230	222
Buena Vista	372	372	364	360	357	354	355	348	335	325	314	306	301	298	297	292	285	283	283	276	276
Butler	294	294	289	287	286	282	282	277	275	269	267	263	256	249	243	238	235	235	234	234	229
Calhoun	402	402	392	392	389	385	385	373	365	358	347	338	326	317	302	299	299	300	297	290	290
Carroll	300	300	295	293	291	287	287	280	276	264	260	256	253	253	252	248	248	249	247	247	247
Cass	384	384	375	371	372	369	369	369	365	357	365	354	347	330	322	316	316	315	306	304	301
Cedar	320	320	314	312	307	305	306	303	300	293	293	289	284	275	268	265	265	264	260	253	253
Cerro Gordo	383	383	377	372	370	366	369	365	362	354	354	349	338	332	326	323	323	321	315	304	304
Cherokee	369	369	365	361	355	355	355	348	338	329	320	312	304	294	293	293	293	291	289	284	284
Chickasaw	297	297	289	286	284	284	283	283	283	277	283	277	275	270	262	255	255	256	254	252	252
Clarke	374	374	368	363	365	361	362	367	367	367	372	362	357	352	344	340	340	336	328	324	313
Clay	439	439	433	428	423	420	421	411	401	392	388	380	364	346	330	327	327	325	322	316	316
Clayton	272	272	267	264	263	261	261	264	267	267	274	272	272	272	271	267	258	256	253	253	243
Clinton	296	296	290	286	285	284	284	282	280	275	278	275	269	264	263	258	253	251	251	248	248
Crawford	353	353	344	342	340	335	336	333	331	323	323	317	306	298	295	289	286	287	285	281	266
Dallas	348	348	343	340	338	336	339	332	329	323	314	311	303	295	289	284	284	285	283	274	274
Davis	338	338	331	327	325	322	327	327	327	327	334	330	330	330	328	321	315	313	300	300	287
Decatur	456	456	450	443	439	434	433	433	439	439	445	433	428	428	423	418	413	414	404	399	385
Delaware	256	256	250	248	247	244	246	244	242	237	239	239	239	239	238	233	233	234	232	229	225
Des Moines	309	309	305	305	301	298	299	295	291	287	284	277	273	273	271	264	264	262	247	247	236
Dickinson	364	364	361	355	356	353	357	357	362	357	368	366	354	354	350	339	334	331	326	326	326
Dubuque	208	208	205	203	201	200	201	203	204	204	207	206	206	206	206	202	202	203	201	201	197
Emmet	404	404	397	397	391	386	388	388	388	381	388	382	370	354	340	336	326	327	323	319	319
Fayette	305	305	299	295	294	290	290	288	288	283	286	281	277	272	271	267	260	257	251	249	236

^aYear in which estimates were not revised

Table 3. Estimated Average Size (in acres) of Farms in Iowa's Counties, 1977-1997 (continued).

County	1997 ^a	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Floyd	331	331	324	320	317	315	315	312	306	300	300	295	289	284	279	274	272	273	270	268	261
Franklin	375	375	366	362	360	357	357	354	350	344	347	341	332	320	310	304	304	303	298	286	286
Fremont	516	516	508	499	500	494	495	472	459	452	427	417	417	412	413	402	402	398	393	379	375
Greene	424	424	414	409	406	407	407	398	385	377	365	354	344	338	335	332	332	327	324	315	315
Grundy	380	380	370	366	367	364	364	344	329	319	298	295	287	282	280	273	270	269	267	256	250
Guthrie	359	359	351	348	345	343	343	350	357	357	371	361	347	337	329	326	326	327	324	316	311
Hamilton	407	407	397	392	389	385	385	373	361	351	337	331	325	316	306	301	296	291	284	273	273
Hancock	373	373	365	361	359	356	356	349	342	336	326	321	313	304	300	295	290	289	286	275	275
Hardin	355	355	348	344	342	339	339	333	330	324	321	316	310	299	290	285	285	284	279	273	271
Harrison	451	451	440	436	432	429	431	422	418	410	402	394	379	366	358	352	349	345	342	334	326
Henry	309	309	302	298	299	297	298	294	291	285	288	282	276	276	274	268	268	267	251	247	236
Howard	311	311	304	301	299	296	294	294	297	291	300	294	291	286	276	270	270	271	269	261	261
Humboldt	410	410	403	397	392	393	393	382	366	356	347	343	334	326	319	312	312	309	309	299	299
Ida	377	377	365	361	356	357	357	353	344	335	335	327	320	312	309	302	302	300	300	293	290
Iowa	347	347	343	340	337	335	337	337	334	328	334	328	322	320	318	309	307	305	303	300	300
Jackson	274	274	268	266	264	262	263	265	268	268	274	271	271	271	269	264	260	261	259	259	259
Jasper	322	322	320	315	312	311	316	311	307	300	296	293	287	283	279	274	274	273	271	263	262
Jefferson	326	326	318	314	312	310	312	316	320	320	332	325	317	306	297	290	287	285	265	262	250
Johnson	245	245	241	240	239	237	241	239	239	234	237	240	235	228	226	223	223	222	221	218	218
Jones	306	306	301	298	296	294	295	295	293	290	293	288	284	275	269	265	257	258	258	256	256
Keokuk	351	351	342	338	336	334	336	336	336	330	339	333	324	313	300	295	295	294	276	274	260
Kossuth	383	383	375	372	369	367	367	361	356	346	342	337	330	323	320	315	314	311	307	297	297
Lee	320	320	314	310	308	306	307	304	301	295	292	286	281	281	279	274	274	275	262	260	247
Linn	241	241	237	234	232	232	235	232	230	226	226	224	221	218	217	215	215	214	213	211	211
Louisa	384	384	382	376	371	373	374	368	368	363	363	359	348	343	334	330	330	326	301	297	283
Lucas	372	372	361	361	358	347	349	349	354	354	359	355	350	345	333	324	320	306	302	302	292
Lyon	312	312	303	301	299	297	297	295	293	286	288	282	275	267	262	258	257	257	256	256	256
Madison	327	327	321	318	316	314	313	316	319	319	322	313	310	307	303	295	290	280	277	275	265
Mahaska	303	303	299	293	292	290	292	292	292	287	289	288	283	281	279	275	273	274	259	258	245
Marion	280	280	275	273	271	270	271	269	266	266	264	262	259	255	252	248	248	247	230	227	219
Marshall	335	335	328	325	324	323	325	322	319	313	316	310	305	297	290	283	281	282	279	279	277
Mills	464	464	455	448	441	442	445	438	424	418	411	399	399	393	394	388	383	363	358	340	336
Mitchell	350	350	340	336	333	330	331	323	313	303	300	295	292	289	287	284	284	282	277	274	266

Table 3. Estimated Average Size (in acres) of Farms in Iowa's Counties, 1977-1997 (continued).

County	1997 ^a	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Monona	504	504	491	485	481	476	476	476	476	465	481	479	463	458	454	445	436	424	424	404	404
Monroe	380	380	374	369	365	366	367	362	357	357	352	352	352	352	349	344	340	328	320	320	309
Montgomery	410	410	403	396	392	393	395	389	377	372	367	357	352	343	344	335	335	332	332	332	328
Muscatine	303	303	299	295	296	293	294	291	284	275	272	269	266	258	251	249	249	245	242	240	240
O'Brien	320	320	311	308	306	304	304	296	294	286	280	273	267	265	264	260	260	261	259	257	257
Osceola	345	345	335	330	331	327	327	327	327	319	327	320	312	301	294	291	291	292	288	288	288
Page	346	346	339	335	333	330	331	327	324	318	318	316	316	313	314	308	308	306	303	285	283
Palo Alto	402	402	393	388	385	386	387	383	375	367	367	356	349	345	343	336	333	328	328	319	319
Plymouth	328	328	319	318	315	312	313	310	308	301	301	295	292	286	285	282	281	280	278	276	276
Pocahontas	397	397	392	388	385	381	381	373	365	358	351	342	332	323	321	315	313	308	306	303	303
Polk	275	275	276	273	273	277	284	275	266	258	248	250	245	241	237	233	229	229	227	227	224
Pottawattamie	396	396	388	385	380	379	381	368	359	348	335	331	325	316	311	305	297	298	298	298	294
Poweshiek	348	348	341	337	335	333	334	334	334	327	337	331	325	316	315	306	304	302	300	295	288
Ringgold	460	460	453	447	443	437	438	450	462	462	475	463	456	450	440	423	418	414	395	390	377
Sac	374	374	366	362	363	360	361	354	347	337	333	326	317	311	310	307	307	308	308	300	300
Scott	261	261	256	253	252	250	253	251	245	240	240	237	232	225	220	216	216	215	213	205	205
Shelby	343	343	336	333	331	329	329	323	315	307	304	297	288	281	278	274	274	274	272	268	268
Sioux	242	242	236	234	232	231	230	229	229	225	228	226	224	223	224	220	220	220	219	214	214
Story	333	333	327	324	322	320	322	313	302	291	286	283	276	271	270	268	268	266	262	251	247
Tama	323	323	317	314	313	315	315	313	313	306	306	302	296	296	295	287	283	282	275	270	265
Taylor	426	426	414	414	410	406	406	411	416	416	427	417	406	392	380	371	356	353	349	346	342
Union	366	366	360	355	357	354	356	361	361	361	371	361	356	351	338	334	334	331	304	300	290
Van Buren	363	363	359	355	352	349	352	357	357	357	370	362	353	349	338	330	327	321	308	301	287
Wapello	307	307	300	300	297	295	297	293	283	277	274	268	263	263	261	258	245	246	241	241	230
Warren	265	265	260	258	257	254	255	255	253	253	251	249	246	244	241	238	238	237	229	227	220
Washington	312	312	306	303	301	299	301	298	296	286	291	284	280	280	278	274	274	270	258	256	244
Wayne	423	423	412	407	403	403	404	409	414	414	425	415	410	405	396	391	387	388	358	354	343
Webster	407	407	399	395	393	390	392	378	365	352	338	336	331	324	315	310	310	309	307	300	298
Winnebago	347	347	338	338	339	335	336	331	326	318	318	316	308	300	291	284	280	278	269	263	263
Winneshiek	264	264	258	255	253	252	253	253	253	248	253	248	247	247	246	240	236	236	232	228	226
Woodbury	382	382	372	370	365	366	367	367	367	362	372	364	352	340	324	320	314	315	313	309	302
Worth	338	338	333	328	325	326	327	331	341	341	356	352	333	319	304	301	293	291	284	281	281
Wright	442	442	431	426	427	418	418	413	404	395	395	387	379	367	353	350	347	344	334	328	325
State of Iowa	339	339	332	329	326	324	325	322	319	313	313	308	303	297	293	288	286	284	279	275	270

Figure 1. Estimated number of farms in Iowa, 1977-1997.

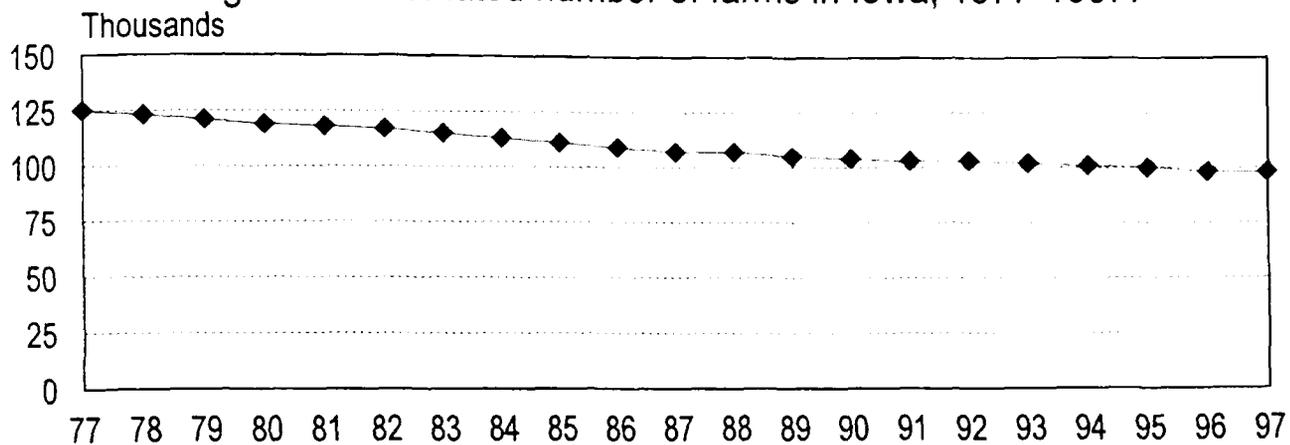


Figure 2. Estimated average size (in acres) of farms in Iowa, 1977-1997.

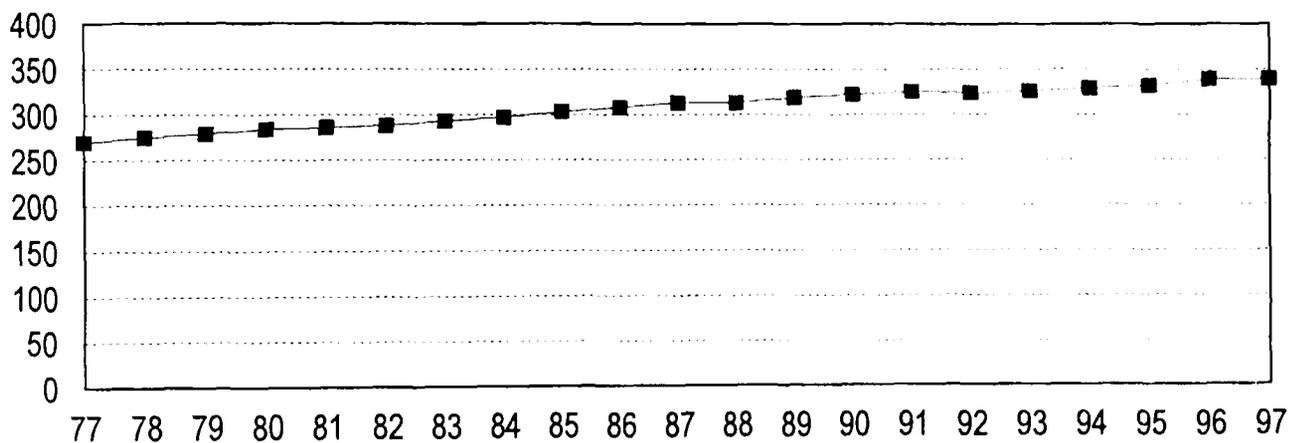


Figure 3. Estimated average farm size (in acres), 1997.

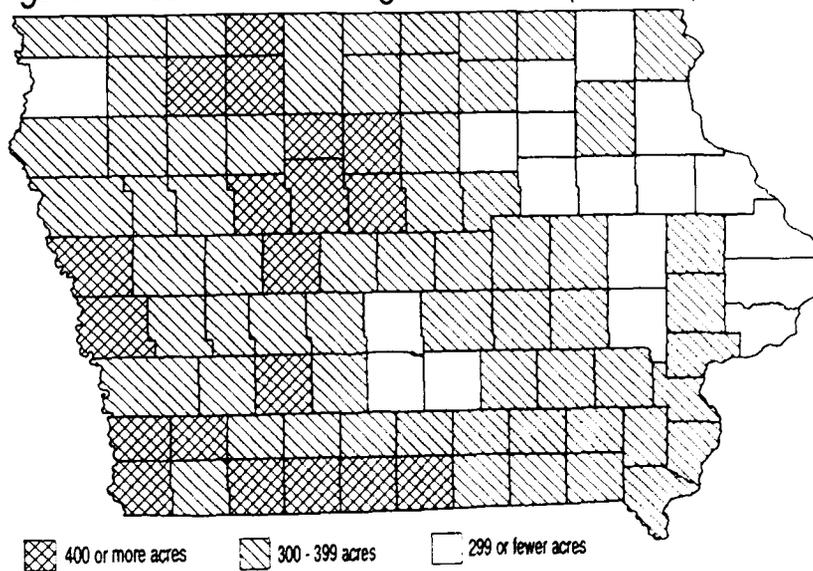


Table 4. Percentage Change in Number and Average Size (in Acres) of Farms in Iowa's Counties, 1977-1997.

County	% Change in Number of Farms					% Change in Average Size (in Acres)				
	1977-1997	1992-1997	1987-1992	1982-1987	1977-1982	1977-1997	1992-1997	1987-1992	1982-1987	1977-1982
Adair	-22.8	-5.4	-5.1	-9.3	-5.3	28.2	5.4	5.0	9.7	5.4
Adams	-16.5	-4.3	-1.4	-6.7	-5.1	18.5	4.2	1.3	6.8	5.0
Allamakee	-13.8	-4.5	1.8	-5.2	-6.5	13.4	3.9	-2.7	5.2	6.5
Appanoose	-18.3	-5.6	1.1	-4.3	-10.6	20.0	5.3	-0.9	3.2	11.4
Audubon	-23.8	-4.9	-6.9	-5.4	-8.9	30.6	5.1	7.0	5.3	9.8
Benton	-20.0	-5.0	-5.4	-7.5	-3.6	22.6	4.8	5.2	7.3	3.4
Black Hawk	-24.7	-5.2	-10.8	-5.1	-6.2	29.9	4.8	10.6	4.4	6.1
Boone	-28.9	-5.2	-7.7	-11.1	-8.6	37.7	4.8	8.3	10.4	9.1
Bremer	-23.7	-5.4	-4.3	-10.0	-6.5	28.3	4.4	3.9	10.4	6.9
Buchanan	-25.5	-4.1	-10.3	-4.2	-9.6	32.5	4.0	10.2	4.1	9.9
Buena Vista	-26.6	-5.1	-11.6	-7.4	-5.5	34.8	5.1	11.3	7.5	5.8
Butler	-23.2	-4.8	-5.3	-11.4	-3.9	28.5	4.4	5.3	12.2	3.9
Calhoun	-28.7	-4.4	-9.9	-14.4	-3.3	38.7	4.5	9.9	16.1	3.1
Carroll	-18.9	-4.9	-9.6	-4.9	-0.7	21.6	4.6	9.4	4.8	0.4
Cass	-22.4	-4.3	-1.1	-13.6	-5.2	27.6	4.1	1.1	15.5	5.0
Cedar	-22.1	-5.2	-4.2	-9.8	-5.0	26.7	5.1	3.9	10.6	4.7
Cerro Gordo	-23.2	-5.5	-4.2	-9.5	-6.3	26.0	4.7	3.3	9.6	6.3
Cherokee	-23.8	-4.0	-9.9	-9.0	-3.2	29.8	3.8	9.9	9.2	3.2
Chickasaw	-15.6	-4.6	0.0	-10.0	-1.6	17.9	4.6	0.4	11.0	1.2
Clarke	-17.6	-4.1	2.8	-9.0	-8.2	19.6	3.7	-3.0	9.4	8.6
Clay	-29.1	-4.9	-7.9	-16.0	-3.6	38.8	4.5	7.6	18.7	3.5
Clayton	-11.9	-4.5	4.7	-2.9	-9.3	12.0	4.3	-5.0	2.6	9.9
Clinton	-17.5	-4.9	-2.0	-7.5	-4.2	19.6	4.4	2.1	7.8	4.0
Crawford	-25.6	-5.3	-3.6	-11.0	-8.3	32.8	5.4	3.6	11.8	8.6
Dallas	-23.6	-4.9	-7.3	-9.8	-3.9	27.2	3.7	6.5	10.6	3.6
Davis	-16.5	-5.2	2.1	-3.1	-11.0	17.7	4.9	-3.7	4.0	11.8
Decatur	-16.5	-5.3	2.7	-6.4	-8.2	18.6	5.2	-2.5	6.5	8.6
Delaware	-13.5	-4.9	-2.7	-2.7	-3.8	13.8	4.9	2.0	2.6	3.6
Des Moines	-24.7	-4.1	-5.2	-7.2	-10.8	31.0	3.7	4.7	7.6	11.9
Dickinson	-14.3	-4.8	3.3	-9.0	-4.3	11.6	3.1	-4.2	8.6	4.0
Dubuque	-7.3	-4.6	3.0	-2.9	-2.8	5.7	4.1	-3.5	2.5	2.5
Emmet	-22.4	-4.8	0.0	-13.9	-5.3	26.7	4.7	-0.5	15.5	5.3
Fayette	-23.4	-5.3	-1.3	-7.2	-11.7	29.4	5.3	1.4	7.1	13.1
Floyd	-22.2	-5.2	-5.0	-9.0	-5.1	26.8	5.0	4.8	9.5	5.0
Franklin	-24.6	-5.0	-2.9	-12.7	-6.3	31.0	4.9	2.8	14.1	6.3
Fremont	-28.6	-4.8	-13.7	-6.4	-7.1	37.5	4.4	13.6	6.2	7.2
Greene	-26.5	-4.6	-10.3	-9.3	-5.3	34.7	4.3	10.3	9.9	5.4
Grundy	-34.9	-4.7	-18.1	-8.7	-8.7	52.0	4.4	18.1	9.2	9.2
Guthrie	-14.4	-4.7	8.2	-12.5	-5.1	15.3	4.6	-8.2	13.8	4.8
Hamilton	-33.3	-5.5	-12.5	-11.1	-9.3	49.0	5.7	12.5	12.0	10.3
Hancock	-27.3	-5.1	-8.4	-10.1	-7.0	35.5	4.7	8.4	10.5	7.3
Hardin	-24.8	-4.9	-5.6	-11.5	-5.4	31.1	4.8	5.3	12.6	5.2
Harrison	-29.0	-5.1	-6.7	-13.2	-7.6	38.3	5.1	6.3	14.2	8.0
Henry	-25.0	-4.5	-3.3	-7.1	-12.5	31.0	4.1	3.0	7.5	13.6
Howard	-16.2	-5.1	2.1	-10.3	-3.6	19.1	5.1	-1.4	11.1	3.4
Humboldt	-27.8	-4.4	-11.7	-10.5	-4.4	37.0	4.2	11.7	11.2	4.3
Ida	-23.7	-5.3	-6.3	-10.1	-4.3	29.9	5.5	6.2	10.9	4.1
Iowa	-15.7	-4.7	-0.9	-7.7	-3.3	15.7	3.6	0.3	8.1	3.0
Jackson	-6.8	-4.9	4.3	-4.2	-2.0	5.6	4.4	-4.6	3.8	1.9
Jasper	-21.3	-4.3	-6.1	-8.1	-4.7	22.9	3.5	4.8	8.0	4.6

Table 4. Percentage Change in Number and Average Size (in Acres) of Farms in Iowa's Counties, 1977-1997 (continued).

County	% Change in Number of Farms					% Change in Average Size (in Acres)				
	1977-1997	1992-1997	1987-1992	1982-1987	1977-1982	1977-1997	1992-1997	1987-1992	1982-1987	1977-1982
Jefferson	-25.5	-6.0	6.3	-13.2	-14.2	30.3	5.1	-7.1	14.5	16.0
Johnson	-16.7	-5.1	-1.4	-8.6	-2.6	12.2	3.2	0.0	6.3	2.3
Jones	-17.5	-4.2	-0.8	-9.8	-3.6	19.6	4.2	0.3	10.6	3.5
Keokuk	-26.8	-4.7	1.0	-13.2	-12.3	34.9	5.0	-1.5	14.9	13.5
Kossuth	-23.2	-4.3	-6.9	-8.4	-5.9	28.8	4.2	6.8	8.6	6.1
Lee	-24.2	-5.2	-5.0	-6.5	-10.0	29.7	4.7	4.6	6.6	10.9
Linn	-15.6	-4.8	-3.5	-6.0	-2.2	14.0	3.7	2.6	5.1	1.9
Louisa	-28.9	-4.8	-3.1	-9.9	-14.5	35.7	3.0	2.7	10.0	16.6
Lucas	-22.7	-5.6	2.9	-11.4	-10.2	27.5	7.3	-3.5	10.8	11.0
Lyon	-18.9	-4.9	-3.2	-10.6	-1.4	21.8	5.0	3.0	11.6	0.8
Madison	-19.7	-4.5	2.8	-8.5	-10.6	23.6	4.3	-2.5	9.2	11.3
Mahaska	-21.5	-5.0	-0.8	-6.3	-11.1	23.7	4.5	0.3	5.1	12.2
Marion	-24.6	-4.5	-2.6	-8.0	-12.0	28.0	3.8	2.2	6.5	13.2
Marshall	-19.2	-4.7	-2.8	-10.7	-2.4	21.0	3.7	2.2	11.7	2.2
Mills	-28.7	-5.0	-7.7	-5.8	-13.8	37.9	4.9	7.0	5.9	15.5
Mitchell	-24.8	-5.7	-9.4	-5.9	-6.4	31.4	5.9	9.1	5.6	6.8
Monona	-21.0	-5.7	1.1	-8.4	-9.5	24.7	5.9	-1.1	8.1	10.1
Monroe	-19.8	-4.2	-4.0	-2.6	-10.5	22.8	3.7	3.8	2.3	11.3
Montgomery	-21.3	-4.5	-7.0	-9.0	-2.5	25.0	4.3	6.6	9.6	2.1
Muscatine	-22.9	-4.7	-7.6	-8.9	-3.8	26.4	3.6	7.2	9.2	3.8
O'Brien	-20.3	-5.2	-7.9	-7.4	-1.4	24.4	5.2	7.9	7.7	1.2
Osceola	-17.4	-5.3	0.0	-11.8	-1.2	19.7	5.4	0.0	12.4	1.0
Page	-19.7	-5.1	-3.9	-3.7	-8.5	22.2	4.8	3.6	3.2	8.8
Palo Alto	-21.8	-4.4	-5.3	-8.7	-5.5	26.0	4.1	4.9	9.2	5.3
Plymouth	-17.4	-5.3	-4.0	-6.8	-2.6	18.7	5.0	3.5	6.7	2.2
Pocahontas	-24.6	-4.3	-7.9	-10.6	-4.2	31.1	4.3	7.9	11.4	4.0
Polk	-27.4	-4.5	-12.7	-8.9	-4.3	22.8	-0.7	10.5	6.4	4.0
Pottawattamie	-27.1	-4.8	-12.0	-9.7	-3.6	34.6	4.4	11.6	9.8	3.7
Poweshiek	-18.4	-4.7	0.9	-9.4	-6.4	20.8	4.5	-1.2	10.1	6.3
Ringgold	-18.9	-5.2	8.5	-11.3	-11.1	22.1	5.3	-8.7	12.3	12.2
Sac	-21.0	-4.1	-7.5	-8.6	-2.5	24.7	3.9	7.5	8.5	2.3
Scott	-23.9	-5.3	-5.1	-10.8	-5.1	27.3	4.4	4.0	11.1	5.4
Shelby	-22.6	-4.5	-7.5	-10.4	-2.2	28.0	4.2	7.6	10.9	2.2
Sioux	-12.3	-4.9	-1.0	-3.8	-3.2	12.9	4.6	1.3	3.6	2.8
Story	-27.9	-4.9	-11.2	-7.2	-8.1	35.0	4.2	10.6	6.7	8.5
Tama	-20.5	-5.0	-2.8	-6.5	-7.8	22.0	2.6	2.9	6.6	8.3
Taylor	-20.4	-4.9	5.1	-13.3	-8.2	24.5	4.9	-5.2	15.1	8.5
Union	-22.2	-4.1	4.3	-10.3	-13.3	26.3	3.4	-4.8	11.1	15.2
Van Buren	-23.1	-4.8	5.0	-11.1	-13.5	26.4	3.9	-6.0	12.1	15.0
Wapello	-26.6	-4.8	-7.7	-6.2	-11.0	33.6	4.2	7.1	6.2	12.2
Warren	-19.6	-5.4	-1.5	-6.4	-7.8	20.4	4.3	1.2	5.5	8.2
Washington	-23.2	-4.4	-3.4	-6.3	-11.3	27.7	4.2	2.7	6.2	12.3
Wayne	-20.0	-5.0	5.3	-8.4	-12.6	23.3	4.9	-5.5	8.7	14.0
Webster	-28.0	-4.6	-13.6	-8.8	-4.2	36.7	4.5	13.3	9.0	4.0
Winnebago	-25.8	-4.2	-5.3	-11.6	-7.5	32.0	3.7	5.1	12.0	8.0
Winneshiek	-15.5	-4.8	0.0	-5.1	-6.4	16.6	4.6	-0.4	5.4	6.2
Woodbury	-22.4	-5.0	1.5	-14.4	-5.9	26.4	4.3	-1.6	16.3	6.0
Worth	-18.4	-4.1	8.8	-16.0	-6.9	20.4	3.8	-9.2	18.3	7.1
Wright	-27.3	-5.9	-5.6	-11.8	-7.3	36.1	5.8	5.5	12.9	7.7
State of Iowa	-21.6	-4.9	-3.7	-8.5	-6.4	25.5	4.6	3.4	8.7	6.7

Change in Acreage

The decline of 600,000 acres from 1977 to 1997 did not occur evenly throughout the period. About 100,000 acres were lost from 1977 to 1982 and from 1987 to 1992, while decreases of 200,000 acres occurred in the other periods (1982-1987, 1992-1997).

Nor were declines even across the state. Eleven counties—most in or near urban areas—noted decreases of at least 10,000 acres between 1977 and 1997. Johnson (-21,700) and Polk (-27,700) dropped considerably more than others. Johnson was estimated to have lost 6.4 percent of its acres and Polk 10.6 percent across the 21 years. In 73 counties, less than 2.0 percent fewer acres were reported in 1997 than in 1977. Caution is urged in comparing data for one year with that for another, however; these estimates are not revised annually, as is evident when Table 2 is reviewed.

Change in Size of Farms

As the number of farms has declined, the average size has increased (Table 3). This occurred in all counties from 1977 to 1997. Only nine counties (Clayton, Delaware, Dickinson, Dubuque, Jackson, Johnson, Linn, Sioux, Winneshiek) gained fewer than 40 acres, while six others (Clay, Fremont, Grundy, Hamilton, Harrison, Mills) added at least 120 acres to the average size between 1977 and 1997. On a short-term basis, of course, changes tend to be small. From 1992 to 1997, for example, only 14 counties changed by 20 or more acres in average size.

Average farm size increased by 25.5 percent from 1977 to 1997 (Table 4). In Grundy, the increase was greater than 50 percent, while they were less than 10 percent in Dubuque and Jackson. In contrast to those extremes, 44 counties had gains in average farm size within five points of the figure for the state. Percentage gains for 51 counties were highest in the 1982-1987 period, although increases from 1977 to 1982 were greater in 28 others. Gains were greatest in 16 counties in 1987-1992, while only in Delaware, Dubuque, Jackson, and Sioux did the average size of farms increase most in 1992-1997 among the periods examined.

Value of Farm Land in Iowa's Counties: 1950, 1960, 1970, 1980-1997

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

Average farm land values increased from \$218 in 1950 to \$261 in 1960 and \$419 in 1970 (Table 1). Rapid gains occurred in the 1970s; the average was \$2,066 per acre in Iowa in 1980. After a slight increase from 1980 to 1981, the value fell to \$787 in 1986. Since that point, an acre of farm land in Iowa has increased steadily again to an average value of \$1,837 in 1997 (Figure 1).

The value of an acre of farm land varies considerably across Iowa. In 1997, for example, the value was less than \$1,000 in six counties, all of which were clustered in southern Iowa. In contrast, 44 counties averaged \$2,000 or more (Figure 3); seven (Hamilton, Humboldt, O'Brien, Scott, Story, Webster, Wright) were above \$2,500, with Scott (\$2,913) substantially higher than the others. In 1950, when the average statewide was \$218 per acre, 14 counties were below \$150 while five were above \$300.

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

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

Inflation affects the changes reported in Tables 1 and 2. When farm land values were adjusted for inflation, the relatively small difference between the 1950 (\$1,419) and 1997 (\$1,837) figures was striking (Table 3, Figure 2). In 42 counties, the value of farm land was lower in 1990 than it was in 1950 after inflation was taken into account. The great percentage increase in the 1970s remained high even after inflation was incorporated in the calculations (Table 4), although it was substantially smaller than when inflation was not controlled (Table 2). Positive changes in the 1960s and from 1990 to 1997 also

Table 1. Per Acre Value (in \$s) of Farm Land in Iowa's Counties, 1950-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	1179	1046	937	850	807	775	753	734	674	619	557	507	606	833	1035	1176	1367	1335	308	168	152
Adams	1190	1070	957	884	832	800	781	769	715	667	578	519	612	835	1047	1156	1372	1312	291	170	159
Allamakee	1096	968	854	813	732	749	735	770	697	611	532	483	592	856	1062	1143	1300	1227	233	145	115
Appanoose	799	714	615	568	560	556	526	502	455	423	373	351	421	581	747	891	1007	906	206	108	97
Audubon	1784	1647	1441	1378	1275	1255	1222	1217	1149	1072	850	751	851	1164	1525	1608	1965	1937	394	249	227
Benton	2188	2023	1693	1566	1464	1450	1416	1415	1316	1199	1004	915	1121	1649	1988	2101	2479	2404	506	323	268
Black Hawk	2314	2128	1792	1654	1586	1532	1501	1515	1420	1330	1095	1010	1258	1867	2280	2432	2918	2812	553	347	257
Boone	2453	2260	1858	1727	1590	1577	1540	1553	1435	1340	1094	987	1174	1762	2159	2272	2685	2592	545	341	283
Bremer	1997	1814	1562	1451	1358	1322	1298	1324	1235	1108	931	861	1082	1588	1934	2078	2463	2259	420	267	193
Buchanan	2015	1840	1576	1460	1382	1342	1317	1336	1248	1132	953	883	1112	1629	1949	2091	2479	2269	419	255	190
Buena Vista	2380	2171	1861	1760	1695	1675	1648	1649	1576	1470	1129	974	1099	1590	2202	2257	2773	2738	522	355	311
Butler	2117	1943	1646	1524	1447	1393	1371	1385	1309	1239	1013	921	1143	1696	2083	2217	2680	2566	478	304	231
Calhoun	2458	2258	1881	1758	1724	1707	1672	1682	1572	1414	1132	1006	1179	1752	2266	2366	2833	2805	568	365	309
Carroll	2125	1950	1665	1579	1571	1567	1529	1523	1439	1320	1014	891	994	1415	1962	2014	2450	2425	473	314	288
Cass	1558	1406	1260	1169	1081	1040	1017	1006	939	873	748	668	782	1066	1341	1463	1751	1731	379	221	206
Cedar	2340	2196	1906	1738	1645	1595	1560	1504	1418	1289	1184	1105	1443	2010	2273	2425	2792	2612	565	365	281
Cerro Gordo	2185	2001	1709	1587	1503	1438	1421	1437	1372	1307	1063	957	1192	1764	2203	2342	2857	2735	503	312	230
Cherokee	2026	1863	1606	1532	1451	1445	1409	1402	1329	1243	950	832	922	1290	1813	1862	2280	2309	452	295	260
Chickasaw	1627	1476	1272	1183	1106	1079	1060	1082	1008	920	774	715	898	1317	1605	1725	2042	1876	341	207	159
Clarke	930	830	723	664	656	644	614	591	538	482	429	399	478	659	831	977	1114	1059	257	143	123
Clay	2215	2020	1732	1638	1564	1546	1521	1521	1454	1348	1035	893	1007	1456	2002	2051	2519	2478	464	307	260
Clayton	1452	1282	1131	1077	928	949	932	976	884	765	666	604	741	1072	1355	1458	1659	1583	328	216	169
Clinton	1880	1739	1495	1374	1315	1292	1270	1246	1162	1073	985	918	1193	1673	1909	2050	2331	2163	428	265	204
Crawford	1789	1656	1435	1378	1309	1299	1265	1260	1194	1124	868	763	852	1176	1601	1663	2041	2027	396	259	242
Dallas	1977	1816	1523	1419	1296	1278	1248	1253	1161	1041	854	768	909	1332	1658	1757	2087	2061	429	266	236
Davis	1001	915	814	751	694	680	648	627	579	544	475	440	536	746	917	1035	1202	1100	242	138	121
Decatur	757	677	583	538	540	536	507	485	439	392	347	326	391	540	684	817	922	837	197	113	99
Delaware	2081	1869	1630	1531	1417	1421	1395	1432	1314	1194	1043	957	1195	1722	2077	2234	2565	2347	445	265	195
Des Moines	1732	1605	1458	1345	1252	1219	1167	1137	1064	985	854	781	964	1349	1634	1763	2095	2007	445	257	197
Dickinson	2011	1836	1573	1489	1434	1434	1400	1392	1319	1202	908	793	869	1236	1795	1823	2225	2139	396	256	230
Dubuque	1829	1624	1428	1354	1251	1272	1250	1298	1180	1054	924	841	1040	1498	1867	2008	2285	2175	406	245	181
Emmet	2327	2122	1819	1720	1612	1593	1567	1568	1499	1387	1065	919	1037	1500	2026	2076	2551	2486	454	294	246
Fayette	1812	1623	1414	1330	1235	1232	1209	1250	1149	1046	895	820	1018	1483	1845	1984	2304	2133	391	231	168

Table 1. Per Acre Value (in \$s) of Farm Land in Iowa's Counties, 1950-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1924	1769	1507	1387	1311	1250	1227	1238	1169	1119	924	862	1096	1618	1949	2093	2527	2387	351	278	202
Franklin	2291	2092	1784	1672	1583	1522	1512	1532	1473	1389	1113	965	1167	1736	2198	2308	2837	2788	502	318	251
Fremont	1539	1361	1239	1117	1076	1019	1000	983	909	839	760	683	816	1118	1370	1522	1793	1835	407	233	216
Greene	2133	1964	1639	1536	1502	1492	1456	1462	1362	1244	995	890	1037	1526	1987	2077	2479	2444	514	324	279
Grundy	2491	2294	1905	1766	1660	1628	1592	1606	1493	1403	1149	1047	1272	1899	2339	2477	2947	2833	562	346	270
Guthrie	1638	1516	1306	1244	1130	1112	1084	1084	1017	939	754	671	775	1084	1373	1455	1763	1738	354	217	197
Hamilton	2647	2429	2026	1892	1758	1727	1699	1717	1614	1498	1211	1068	1272	1904	2388	2505	3013	2900	566	351	295
Hancock	2286	2086	1787	1673	1571	1508	1499	1519	1464	1375	1105	962	1173	1740	2209	2326	2865	2778	504	315	242
Hardin	2401	2203	1838	1716	1616	1587	1562	1578	1484	1395	1127	994	1184	1772	2199	2306	2775	2688	512	320	265
Harrison	1558	1427	1265	1196	1090	1060	1033	1026	964	882	728	647	748	1016	1298	1399	1694	1657	350	212	202
Henry	1666	1545	1404	1295	1208	1176	1126	1098	1027	932	808	738	911	1276	1518	1638	1947	1830	410	254	205
Howard	1451	1316	1134	1055	976	952	935	955	889	803	676	625	784	1150	1412	1517	1796	1645	305	191	149
Humboldt	2510	2294	1940	1820	1709	1662	1648	1669	1595	1510	1208	1042	1243	1855	2399	2509	3069	3048	582	364	297
Ida	2002	1855	1609	1547	1456	1443	1405	1401	1327	1247	965	848	949	1307	1770	1842	2262	2278	462	294	260
Iowa	1798	1674	1475	1365	1258	1230	1189	1179	1103	1013	855	773	947	1364	1609	1684	2018	1953	430	283	242
Jackson	1599	1449	1260	1176	1107	1107	1088	1099	1012	940	843	776	983	1398	1670	1795	2041	1912	369	222	168
Jasper	1856	1726	1536	1420	1319	1288	1242	1225	1146	1078	916	831	1021	1458	1720	1816	2171	2060	447	285	242
Jefferson	1282	1189	1080	997	927	903	864	842	789	700	606	554	684	958	1107	1195	1420	1303	288	177	154
Johnson	2195	2059	1849	1697	1544	1496	1449	1409	1329	1228	1089	1000	1275	1783	2039	2148	2539	2365	510	324	260
Jones	1784	1644	1416	1305	1224	1206	1185	1170	1088	980	895	832	1076	1513	1732	1860	2116	1985	395	253	200
Keokuk	1536	1439	1329	1226	1168	1131	1087	1065	1005	885	763	691	861	1210	1380	1438	1740	1611	360	241	211
Kossuth	2431	2213	1899	1792	1650	1594	1590	1612	1563	1447	1143	966	1146	1700	2206	2296	2852	2804	499	322	262
Lee	1508	1376	1222	1128	1036	1016	968	936	865	814	711	657	802	1116	1396	1577	1831	1740	391	223	177
Linn	2288	2136	1834	1678	1579	1537	1506	1465	1375	1254	1135	1056	1367	1923	2203	2351	2710	2492	510	323	261
Louisa	1952	1831	1642	1506	1447	1402	1358	1320	1246	1108	984	904	1153	1612	1842	1942	2293	2108	445	270	218
Lucas	855	764	658	608	612	607	574	549	497	459	406	382	457	632	787	939	1061	980	229	126	110
Lyon	2000	1827	1565	1482	1437	1437	1403	1395	1322	1235	933	814	892	1270	1869	1897	2316	2325	447	296	265
Madison	1409	1257	1113	1013	983	946	921	905	834	718	637	577	689	960	1193	1333	1559	1482	327	181	167
Mahaska	1572	1457	1324	1222	1153	1122	1075	1047	979	859	745	681	841	1177	1401	1512	1797	1689	386	240	205
Marion	1485	1354	1200	1108	1058	1039	989	955	881	808	706	654	797	1108	1363	1545	1790	1695	390	224	186
Marshall	2058	1906	1623	1505	1410	1388	1349	1349	1254	1170	971	877	1059	1557	1865	1957	2329	2232	473	303	260
Mills	1618	1431	1302	1174	1091	1033	1014	997	922	862	781	702	838	1148	1438	1598	1881	1884	418	234	220
Mitchell	1831	1683	1434	1319	1250	1191	1169	1180	1114	1057	888	829	1054	1555	1889	2028	2449	2319	426	265	191

Table 1. Per Acre Value (in \$s) of Farm Land in Iowa's Counties, 1950-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1468	1371	1198	1162	1065	1050	1020	1019	965	912	715	632	715	966	1233	1302	1605	1560	320	198	186
Monroe	1004	920	821	758	715	701	668	647	599	530	462	427	522	727	879	982	1146	1062	240	146	130
Montgomery	1425	1259	1146	1034	993	940	922	907	838	789	716	643	768	1052	1318	1464	1724	1751	411	232	221
Muscatine	2139	2007	1755	1603	1498	1452	1417	1369	1290	1169	1065	990	1287	1793	2052	2183	2528	2311	493	307	244
O'Brien	2522	2303	1973	1868	1807	1808	1766	1755	1663	1555	1175	1026	1124	1599	2310	2345	2863	2810	523	346	302
Osceola	2196	2005	1717	1627	1578	1579	1542	1532	1452	1357	1025	895	981	1396	2011	2042	2493	2475	464	302	263
Page	1267	1120	1020	919	887	840	824	811	749	706	640	575	687	941	1220	1355	1595	1626	392	226	216
Palo Alto	2242	2042	1752	1655	1540	1503	1490	1501	1446	1333	1040	887	1029	1510	1968	2033	2514	2511	465	303	249
Plymouth	2038	1888	1638	1576	1415	1404	1367	1362	1290	1224	947	833	932	1283	1736	1806	2218	2254	459	288	253
Pocahontas	2437	2224	1893	1781	1684	1641	1627	1644	1577	1464	1159	995	1173	1738	2272	2364	2905	2891	560	373	311
Polk	2081	1916	1612	1495	1427	1410	1369	1367	1265	1177	977	886	1063	1565	1967	2097	2473	2400	513	312	270
Pottawattamie	1656	1490	1339	1236	1138	1093	1069	1057	984	909	786	702	825	1126	1433	1568	1872	1848	410	238	224
Poweshiek	1798	1674	1483	1371	1258	1228	1187	1175	1101	1027	868	785	963	1385	1620	1695	2033	1959	425	268	240
Ringgold	883	786	692	633	626	610	586	566	517	471	420	388	465	640	806	937	1075	1001	240	137	127
Sac	2217	2035	1738	1648	1639	1635	1595	1589	1501	1377	1058	930	1037	1476	2052	2107	2564	2543	496	327	294
Scott	2913	2735	2332	2119	2017	1956	1923	1845	1739	1566	1463	1376	1820	2528	2856	3064	3484	3207	664	423	330
Shelby	1685	1546	1369	1298	1186	1156	1126	1120	1052	996	816	725	835	1133	1486	1595	1937	1980	430	261	236
Sioux	2230	2050	1766	1685	1562	1556	1517	1510	1431	1346	1028	900	996	1396	1966	2018	2470	2506	503	324	287
Story	2525	2328	1928	1792	1654	1638	1598	1608	1488	1379	1129	1019	1216	1818	2239	2355	2788	2691	552	339	282
Tama	1983	1833	1549	1436	1330	1306	1272	1275	1186	1105	913	828	1004	1483	1806	1903	2266	2192	456	290	245
Taylor	1016	901	806	732	712	685	664	647	594	544	489	446	533	732	910	1037	1203	1161	279	159	147
Union	1072	955	840	768	751	732	702	678	619	566	505	466	558	769	978	1138	1304	1255	309	172	149
Van Buren	1124	1027	915	844	773	758	723	699	647	598	522	483	589	821	993	1117	1300	1202	274	156	135
Wapello	1165	1080	983	907	833	811	777	757	708	632	548	500	618	865	1021	1101	1309	1218	268	167	147
Warren	1522	1370	1175	1083	1050	1035	992	966	882	793	688	636	761	1072	1384	1584	1820	1667	384	213	181
Washington	2008	1882	1737	1603	1501	1454	1397	1368	1291	1151	992	899	1120	1574	1785	1860	2251	2079	466	314	261
Wayne	840	751	646	597	607	602	570	544	493	454	401	377	452	624	800	955	1079	976	225	124	110
Webster	2592	2379	1983	1852	1721	1691	1664	1681	1580	1460	1180	1041	1240	1856	2354	2470	2969	2878	571	357	294
Winnebago	2087	1905	1632	1527	1446	1389	1380	1399	1347	1246	1001	872	1063	1578	2020	2126	2619	2574	454	282	221
Winneshiek	1449	1298	1131	1064	976	974	956	989	908	820	701	642	797	1161	1444	1553	1803	1670	318	199	156
Woodbury	1628	1517	1324	1282	1168	1153	1121	1119	1060	1002	783	691	781	1059	1390	1463	1802	1759	350	224	209
Worth	2025	1854	1584	1471	1402	1341	1325	1340	1279	1187	966	871	1084	1604	1998	2124	2590	2503	444	275	207
Wright	2604	2380	2014	1890	1763	1714	1700	1722	1646	1529	1224	1055	1259	1878	2401	2511	3072	2921	554	348	292
State of Iowa	1837	1682	1455	1356	1295	1249	1219	1214	1139	1054	875	787	948	1357	1691	1801	2147	2066	419	261	218

Table 2. Percentage Change in Per Acre Value of Farm Land by Selected Periods in Iowa's Counties, 1950-1997.

County	1990- 1997	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1997	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	60.6	-45.0	333.4	83.3	10.5	Jefferson	52.3	-35.4	352.4	62.7	14.9
Adams	54.7	-41.4	350.9	71.2	6.9	Johnson	55.8	-40.4	363.7	57.4	24.6
Allamakee	42.3	-37.5	426.6	60.7	26.1	Jones	52.5	-41.1	402.5	56.1	26.5
Appanoose	59.2	-44.6	339.8	90.7	11.3	Keokuk	44.2	-33.9	347.5	49.4	14.2
Audubon	46.6	-37.2	391.6	58.2	9.7	Kossuth	50.8	-42.5	461.9	55.0	22.9
Benton	54.6	-41.1	375.1	56.7	20.5	Lee	61.1	-46.2	345.0	75.3	26.0
Black Hawk	52.7	-46.1	408.5	59.4	35.0	Linn	56.2	-41.2	388.6	57.9	23.8
Boone	58.0	-40.1	375.6	59.8	20.5	Louisa	47.9	-37.4	373.7	64.8	23.8
Bremer	50.8	-41.4	437.9	57.3	38.3	Lucas	55.7	-44.0	328.0	81.8	14.6
Buchanan	50.8	-41.1	441.5	64.3	34.2	Lyon	43.4	-40.0	420.1	51.0	11.7
Buena Vista	44.3	-39.7	424.5	47.0	14.2	Madison	55.7	-38.9	353.2	80.7	8.4
Butler	52.9	-46.0	436.8	57.2	31.6	Mahaska	50.1	-38.0	337.6	60.8	17.1
Calhoun	46.1	-40.0	393.8	55.6	18.1	Marion	55.5	-43.7	334.6	74.1	20.4
Carroll	39.5	-37.2	412.7	50.6	9.0	Marshall	52.6	-39.6	371.9	56.1	16.5
Cass	54.9	-41.9	356.7	71.5	7.3	Mills	62.3	-47.1	350.7	78.6	6.4
Cedar	55.6	-42.4	362.3	54.8	29.9	Mitchell	55.2	-49.1	444.4	60.8	38.7
Cerro Gordo	52.1	-47.5	443.7	61.2	35.6	Monona	44.1	-34.7	387.5	61.6	6.4
Cherokee	44.5	-39.3	410.8	53.2	13.5	Monroe	55.2	-39.1	342.5	64.4	12.3
Chickasaw	50.4	-42.3	450.2	64.7	30.2	Montgomery	57.1	-48.2	326.0	77.2	5.0
Clarke	57.4	-44.2	312.1	79.7	16.3	Muscatine	56.2	-40.8	368.8	60.6	25.8
Clay	45.6	-38.6	434.0	51.1	18.1	O'Brien	43.7	-37.5	437.3	51.2	14.6
Clayton	48.8	-38.3	382.6	51.8	27.8	Osceola	43.3	-38.1	433.4	53.6	14.8
Clinton	50.9	-42.4	405.4	61.5	29.9	Page	56.2	-50.1	314.8	73.4	4.6
Crawford	42.0	-37.8	411.9	52.9	7.0	Palo Alto	49.4	-40.2	440.0	53.5	21.7
Dallas	57.8	-39.2	380.4	61.3	12.7	Plymouth	49.6	-39.6	391.1	59.4	13.8
Davis	59.6	-43.0	354.6	75.4	14.0	Pocahontas	48.2	-43.1	416.2	50.1	19.9
Decatur	56.1	-42.0	324.9	74.3	14.1	Polk	52.2	-43.0	367.8	64.4	15.6
Delaware	45.3	-39.0	427.4	67.9	35.9	Pottawattamie	56.7	-42.8	350.7	72.3	6.2
Des Moines	52.3	-43.4	351.0	73.2	30.5	Poweshiek	53.0	-40.0	360.9	58.6	11.7
Dickinson	44.5	-34.9	440.2	54.7	11.3	Ringgold	56.0	-43.5	317.1	75.2	7.9
Dubuque	40.9	-40.3	435.7	65.7	35.4	Sac	39.5	-37.5	412.7	51.7	11.2
Emmet	48.4	-36.9	447.6	54.4	19.5	Scott	57.9	-42.5	383.0	57.0	28.2
Fayette	45.0	-41.4	445.5	69.3	37.5	Shelby	50.4	-43.4	360.5	64.8	10.6
Floyd	55.4	-48.1	580.1	26.3	37.6	Sioux	47.7	-39.7	398.2	55.2	12.9
Franklin	49.5	-45.0	455.4	57.9	26.7	Story	57.0	-40.2	387.5	62.8	20.2
Fremont	56.6	-46.4	350.9	74.7	7.9	Tama	55.5	-41.8	380.7	57.2	18.4
Greene	45.9	-40.2	375.5	58.6	16.1	Taylor	57.0	-44.3	316.1	75.5	8.2
Grundy	55.1	-43.3	404.1	62.4	28.2	Union	58.1	-46.0	306.2	79.6	15.4
Guthrie	51.1	-37.6	391.0	63.1	10.2	Van Buren	60.8	-41.8	338.7	75.6	15.6
Hamilton	54.2	-40.8	412.4	61.2	19.0	Wapello	53.9	-37.8	354.5	60.5	13.6
Hancock	50.5	-45.3	451.2	60.0	30.2	Warren	57.6	-42.0	334.1	80.3	17.7
Hardin	52.2	-41.3	425.0	60.0	20.8	Washington	46.8	-34.2	346.1	48.4	20.3
Harrison	51.9	-38.1	373.4	65.1	5.0	Wayne	54.4	-44.3	333.8	81.4	12.7
Henry	51.7	-40.0	346.3	61.4	23.9	Webster	54.2	-41.6	404.0	59.9	21.4
Howard	51.9	-42.0	439.3	59.7	28.2	Winnebago	49.2	-45.6	467.0	61.0	27.6
Humboldt	50.4	-45.2	423.7	59.9	22.6	Winneshiek	46.5	-40.8	425.2	59.8	27.6
Ida	42.9	-38.5	393.1	57.1	13.1	Woodbury	45.5	-36.4	402.6	56.2	7.2
Iowa	52.5	-39.6	354.2	51.9	16.9	Worth	51.1	-46.5	463.7	61.4	32.8
Jackson	45.5	-42.5	418.2	66.2	32.1	Wright	51.2	-41.0	427.3	59.2	19.2
Jasper	51.5	-40.5	360.8	56.8	17.8						
						State of Iowa	51.3	-41.2	393.1	60.5	19.7

Table 3. Adjusted Per Acre Value (in 1997\$) of Farm Land in Iowa's Counties, 1950-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	1179	1069	986	920	895	884	884	896	866	834	780	736	893	1271	1633	1912	2356	2537	1243	890	989
Adams	1190	1094	1007	956	923	912	917	939	919	898	810	753	902	1274	1652	1880	2365	2493	1174	900	1035
Allamakee	1096	990	898	880	812	854	863	940	896	823	745	701	872	1306	1676	1859	2241	2331	940	768	749
Appanoose	799	730	647	614	621	634	617	613	585	570	523	509	620	886	1179	1449	1736	1721	831	572	631
Audubon	1784	1684	1516	1491	1414	1431	1434	1486	1477	1444	1191	1090	1254	1776	2406	2615	3387	3680	1590	1319	1478
Benton	2188	2068	1781	1694	1624	1654	1662	1728	1691	1615	1406	1328	1652	2516	3137	3416	4272	4568	2042	1711	1744
Black Hawk	2314	2175	1885	1789	1759	1747	1761	1850	1825	1792	1534	1466	1854	2848	3598	3955	5029	5343	2231	1838	1673
Boone	2453	2310	1955	1868	1764	1799	1807	1896	1844	1805	1533	1432	1730	2688	3407	3695	4628	4925	2199	1806	1842
Bremer	1997	1854	1643	1570	1506	1508	1523	1616	1587	1492	1304	1249	1594	2423	3052	3379	4245	4292	1695	1414	1256
Buchanan	2015	1881	1658	1579	1533	1530	1546	1631	1604	1525	1335	1281	1638	2485	3076	3400	4272	4311	1691	1351	1237
Buena Vista	2380	2219	1958	1904	1880	1910	1934	2013	2025	1980	1582	1413	1619	2426	3475	3670	4779	5202	2106	1880	2024
Butler	2117	1986	1732	1649	1605	1589	1609	1691	1682	1669	1419	1337	1684	2588	3287	3605	4619	4875	1929	1610	1504
Calhoun	2458	2308	1979	1902	1912	1947	1962	2053	2020	1905	1586	1460	1737	2673	3576	3847	4883	5330	2292	1933	2011
Carroll	2125	1993	1752	1708	1743	1787	1794	1859	1849	1778	1421	1293	1465	2159	3096	3275	4222	4608	1909	1663	1875
Cass	1558	1437	1326	1265	1199	1186	1193	1228	1207	1176	1048	969	1152	1626	2116	2379	3018	3289	1529	1171	1341
Cedar	2340	2245	2005	1880	1825	1819	1831	1836	1822	1736	1659	1604	2126	3067	3587	3943	4812	4963	2280	1933	1829
Cerro Gordo	2185	2045	1798	1717	1667	1640	1668	1754	1763	1761	1489	1389	1756	2691	3476	3808	4924	5197	2030	1653	1497
Cherokee	2026	1904	1690	1657	1609	1648	1654	1712	1708	1674	1331	1207	1359	1968	2861	3028	3930	4387	1824	1563	1692
Chickasaw	1627	1509	1338	1280	1227	1231	1244	1321	1295	1239	1084	1038	1323	2009	2533	2805	3519	3564	1376	1096	1035
Clarke	930	848	761	718	728	734	721	722	691	649	601	579	704	1005	1311	1589	1920	2012	1037	757	801
Clay	2215	2065	1822	1772	1735	1763	1785	1857	1868	1816	1450	1296	1484	2221	3159	3335	4341	4708	1872	1626	1692
Clayton	1452	1310	1190	1165	1029	1082	1094	1192	1136	1030	933	876	1092	1636	2138	2371	2859	3008	1324	1144	1100
Clinton	1880	1778	1573	1486	1459	1473	1490	1521	1493	1445	1380	1332	1758	2552	3012	3334	4017	4110	1727	1404	1328
Crawford	1789	1693	1510	1491	1452	1481	1485	1538	1534	1514	1216	1107	1255	1794	2526	2704	3518	3851	1598	1372	1575
Dallas	1977	1856	1602	1535	1438	1458	1465	1530	1492	1402	1196	1114	1339	2032	2616	2857	3597	3916	1731	1409	1536
Davis	1001	935	856	812	770	776	760	765	744	733	665	639	790	1138	1447	1683	2072	2090	977	731	788
Decatur	757	692	613	582	599	611	595	592	564	528	486	473	576	824	1079	1329	1589	1590	795	599	644
Delaware	2081	1911	1715	1656	1572	1621	1637	1748	1689	1608	1461	1389	1761	2627	3278	3633	4421	4459	1796	1404	1269
Des Moines	1732	1641	1534	1455	1389	1390	1370	1388	1367	1327	1196	1133	1420	2058	2578	2867	3611	3813	1796	1361	1282
Dickinson	2011	1877	1655	1611	1591	1635	1643	1699	1695	1619	1272	1151	1280	1886	2833	2964	3835	4064	1598	1356	1497
Dubuque	1829	1660	1502	1465	1388	1451	1467	1585	1516	1420	1294	1220	1532	2285	2946	3265	3938	4133	1638	1298	1178
Emmet	2327	2169	1914	1861	1788	1817	1839	1914	1926	1868	1492	1334	1528	2289	3197	3376	4397	4723	1832	1557	1601
Fayette	1812	1659	1488	1439	1370	1405	1419	1526	1477	1409	1254	1190	1500	2263	2911	3226	3971	4053	1578	1224	1094

Table 3. Adjusted Per Acre Value (in 1997\$s) of Farm Land in Iowa's Counties, 1950-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1924	1808	1585	1501	1454	1426	1440	1511	1502	1507	1294	1251	1615	2469	3076	3403	4355	4535	1416	1473	1315
Franklin	2291	2138	1877	1809	1756	1736	1774	1870	1893	1871	1559	1400	1720	2649	3468	3753	4889	5297	2026	1684	1634
Fremont	1539	1391	1303	1208	1193	1162	1174	1200	1168	1130	1065	991	1202	1706	2162	2475	3090	3487	1642	1234	1406
Greene	2133	2008	1724	1662	1666	1702	1709	1785	1750	1676	1394	1292	1528	2328	3136	3377	4272	4644	2074	1716	1816
Grundy	2491	2345	2004	1911	1841	1857	1868	1961	1919	1890	1610	1519	1874	2897	3691	4028	5079	5383	2268	1833	1757
Guthrie	1638	1550	1374	1346	1253	1268	1272	1323	1307	1265	1056	974	1142	1654	2167	2366	3038	3302	1428	1149	1282
Hamilton	2647	2483	2131	2047	1950	1970	1994	2096	2074	2018	1696	1550	1874	2905	3768	4073	5193	5510	2284	1859	1920
Hancock	2286	2132	1880	1810	1743	1720	1759	1854	1881	1852	1548	1396	1728	2655	3486	3782	4938	5278	2034	1669	1575
Hardin	2401	2252	1934	1856	1792	1810	1833	1927	1907	1879	1579	1442	1745	2704	3470	3750	4783	5107	2066	1695	1725
Harrison	1558	1459	1331	1294	1209	1209	1212	1253	1239	1188	1020	939	1102	1550	2048	2275	2920	3148	1412	1123	1315
Henry	1666	1579	1477	1401	1340	1341	1321	1341	1320	1255	1132	1071	1342	1947	2395	2664	3356	3477	1654	1345	1334
Howard	1451	1345	1193	1141	1083	1086	1097	1166	1142	1082	947	907	1155	1755	2228	2467	3095	3126	1231	1012	970
Humboldt	2510	2345	2041	1969	1896	1895	1934	2038	2050	2034	1692	1512	1832	2830	3786	4080	5289	5791	2349	1928	1933
Ida	2002	1896	1693	1674	1615	1646	1649	1710	1705	1680	1352	1231	1398	1994	2793	2995	3898	4328	1864	1557	1692
Iowa	1798	1711	1552	1477	1395	1403	1395	1439	1417	1365	1198	1122	1395	2081	2539	2738	3478	3711	1735	1499	1575
Jackson	1599	1481	1326	1272	1228	1262	1277	1342	1300	1266	1181	1126	1448	2133	2635	2919	3518	3633	1489	1176	1094
Jasper	1856	1764	1616	1536	1463	1469	1458	1496	1473	1452	1283	1206	1504	2224	2714	2953	3742	3914	1804	1510	1575
Jefferson	1282	1215	1136	1079	1028	1030	1014	1028	1014	943	849	804	1008	1462	1747	1943	2447	2476	1162	938	1002
Johnson	2195	2105	1945	1836	1713	1706	1700	1720	1708	1654	1526	1451	1879	2720	3218	3493	4376	4494	2058	1716	1692
Jones	1784	1681	1490	1412	1358	1375	1391	1428	1398	1320	1254	1207	1585	2308	2733	3025	3647	3772	1594	1340	1302
Keokuk	1536	1471	1398	1326	1296	1290	1276	1300	1291	1192	1069	1003	1269	1846	2178	2338	2999	3061	1453	1277	1373
Kossuth	2431	2262	1998	1939	1830	1818	1866	1968	2009	1949	1601	1402	1689	2594	3481	3734	4915	5328	2014	1706	1705
Lee	1508	1407	1286	1220	1149	1159	1136	1143	1112	1096	996	953	1182	1703	2203	2564	3156	3306	1578	1181	1152
Linn	2288	2183	1929	1815	1751	1753	1767	1789	1767	1689	1590	1532	2014	2934	3476	3823	4671	4735	2058	1711	1699
Louisa	1952	1872	1727	1629	1605	1599	1594	1612	1601	1492	1378	1312	1699	2459	2907	3158	3952	4005	1796	1430	1419
Lucas	855	781	692	658	679	692	674	670	639	618	569	554	673	964	1242	1527	1829	1862	924	667	716
Lyon	2000	1868	1646	1603	1594	1639	1646	1703	1699	1664	1307	1181	1314	1938	2949	3085	3992	4418	1804	1568	1725
Madison	1409	1285	1171	1096	1090	1079	1081	1105	1072	967	892	837	1015	1465	1883	2168	2687	2816	1320	959	1087
Mahaska	1572	1489	1393	1322	1279	1280	1262	1278	1258	1157	1044	988	1239	1796	2211	2459	3097	3209	1558	1271	1334
Marion	1485	1384	1262	1199	1174	1185	1161	1166	1132	1088	989	949	1174	1690	2151	2512	3085	3221	1574	1186	1211
Marshall	2058	1948	1707	1628	1564	1583	1583	1647	1611	1576	1360	1273	1560	2375	2943	3182	4014	4241	1909	1605	1692
Mills	1618	1463	1370	1270	1210	1178	1190	1217	1185	1161	1094	1019	1235	1751	2269	2599	3242	3580	1687	1239	1432
Mitchell	1831	1720	1509	1427	1386	1358	1372	1441	1432	1424	1244	1203	1553	2372	2981	3298	4221	4406	1719	1404	1243

Table 3. Adjusted Per Acre Value (in 1997\$) of Farm Land in Iowa's Counties, 1950-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1468	1401	1260	1257	1181	1197	1197	1244	1240	1228	1002	917	1054	1474	1946	2117	2766	2964	1291	1049	1211
Monroe	1004	940	864	820	793	799	784	790	770	714	647	620	769	1109	1387	1597	1975	2018	968	773	846
Montgomery	1425	1287	1206	1119	1101	1072	1082	1107	1077	1063	1003	933	1132	1605	2080	2381	2971	3327	1658	1229	1438
Muscatine	2139	2052	1846	1734	1662	1656	1663	1671	1658	1575	1492	1437	1896	2736	3238	3550	4357	4391	1989	1626	1588
O'Brien	2522	2354	2076	2021	2004	2062	2072	2143	2137	2095	1646	1489	1656	2440	3645	3813	4934	5339	2110	1833	1966
Osceola	2196	2050	1806	1760	1750	1801	1810	1870	1866	1828	1436	1299	1445	2130	3173	3321	4297	4703	1872	1600	1712
Page	1267	1145	1073	994	984	958	967	990	963	951	897	834	1012	1436	1925	2203	2749	3089	1582	1197	1406
Palo Alto	2242	2087	1843	1790	1708	1714	1749	1833	1858	1796	1457	1287	1516	2304	3106	3306	4333	4771	1876	1605	1621
Plymouth	2038	1930	1723	1705	1570	1601	1604	1663	1658	1649	1327	1209	1373	1957	2739	2937	3823	4283	1852	1525	1647
Pocahontas	2437	2273	1991	1927	1868	1871	1909	2007	2027	1972	1624	1444	1728	2652	3585	3844	5007	5493	2260	1976	2024
Polk	2081	1959	1696	1617	1583	1608	1607	1669	1626	1585	1369	1286	1566	2388	3104	3410	4262	4560	2070	1653	1757
Pottawattamie	1656	1523	1409	1337	1262	1247	1255	1290	1264	1224	1101	1019	1216	1718	2261	2550	3226	3511	1654	1261	1458
Poweshiek	1798	1711	1560	1483	1395	1400	1393	1435	1415	1383	1216	1139	1419	2113	2556	2756	3504	3722	1715	1420	1562
Ringgold	883	803	728	685	694	696	688	691	664	634	588	563	685	976	1272	1524	1853	1902	968	726	827
Sac	2217	2080	1828	1783	1818	1865	1872	1940	1929	1855	1482	1350	1528	2252	3238	3426	4419	4832	2001	1732	1914
Scott	2913	2796	2453	2292	2237	2231	2257	2252	2235	2109	2050	1997	2682	3857	4507	4982	6005	6093	2679	2241	2148
Shelby	1685	1580	1440	1404	1316	1318	1321	1367	1352	1342	1143	1052	1230	1729	2345	2594	3338	3762	1735	1382	1536
Sioux	2230	2096	1858	1823	1733	1775	1780	1844	1839	1813	1440	1306	1468	2130	3102	3282	4257	4761	2030	1716	1868
Story	2525	2380	2028	1939	1835	1868	1875	1963	1912	1858	1582	1479	1792	2774	3533	3830	4805	5113	2227	1796	1836
Tama	1983	1874	1630	1554	1475	1489	1493	1557	1524	1488	1279	1202	1479	2263	2850	3095	3905	4165	1840	1536	1595
Taylor	1016	921	848	792	790	781	779	790	763	733	685	647	785	1117	1436	1686	2073	2206	1126	842	957
Union	1072	976	884	831	833	835	824	828	795	762	707	676	822	1173	1543	1851	2247	2385	1247	911	970
Van Buren	1124	1050	963	913	857	864	848	853	831	806	731	701	868	1253	1567	1816	2241	2284	1106	826	879
Wapello	1165	1104	1034	981	924	925	912	924	910	851	768	726	911	1320	1611	1790	2256	2314	1081	885	957
Warren	1522	1400	1236	1172	1165	1180	1164	1179	1133	1068	964	923	1121	1636	2184	2576	3137	3167	1550	1128	1178
Washington	2008	1924	1827	1734	1665	1658	1639	1670	1659	1550	1390	1305	1650	2401	2817	3025	3880	3950	1880	1663	1699
Wayne	840	768	680	646	673	687	669	664	634	612	562	547	666	952	1262	1553	1860	1854	908	657	716
Webster	2592	2432	2086	2004	1909	1929	1953	2052	2030	1967	1653	1511	1827	2832	3715	4017	5117	5468	2304	1891	1914
Winnebago	2087	1947	1717	1652	1604	1584	1619	1708	1731	1678	1402	1265	1566	2408	3188	3457	4514	4891	1832	1494	1438
Winneshiek	1449	1327	1190	1151	1083	1111	1122	1207	1167	1105	982	932	1174	1771	2279	2525	3107	3173	1283	1054	1015
Woodbury	1628	1551	1393	1387	1296	1315	1316	1366	1362	1350	1097	1003	1151	1616	2193	2379	3106	3342	1412	1186	1360
Worth	2025	1895	1666	1591	1555	1529	1555	1636	1644	1599	1353	1264	1597	2447	3153	3454	4464	4756	1792	1457	1347
Wright	2604	2433	2119	2045	1956	1955	1995	2102	2115	2060	1715	1531	1855	2865	3789	4083	5294	5550	2236	1843	1901
State of Iowa	1837	1719	1531	1467	1436	1424	1431	1482	1464	1420	1226	1142	1397	2070	2668	2929	3700	3925	1691	1382	1419

Table 4. Percentage Change Based on Adjusted Per Acre Value (in 1997 \$s) of Farm Land by Selected Periods in Iowa's Counties, 1950-1997.

County	1990- 1997	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1997	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	31.6	-64.7	104.1	39.7	-10.1	Jefferson	24.7	-58.5	113.0	24.0	-6.5
Adams	26.8	-62.3	112.3	30.4	-13.0	Johnson	27.6	-61.7	118.3	19.9	1.4
Allamakee	16.6	-59.7	148.0	22.4	2.6	Jones	24.9	-62.1	136.6	18.9	2.9
Appanoose	30.4	-64.4	107.1	45.3	-9.4	Keokuk	18.1	-57.5	110.7	13.8	-7.1
Audubon	20.1	-59.6	131.5	20.5	-10.7	Kossuth	23.5	-63.1	164.6	18.1	.0
Benton	26.7	-62.2	123.7	19.3	-1.9	Lee	32.0	-65.4	109.5	33.6	2.5
Black Hawk	25.1	-65.4	139.4	21.4	9.9	Linn	27.9	-62.2	130.1	20.3	.7
Boone	29.4	-61.5	123.9	21.8	-1.9	Louisa	21.1	-59.8	123.0	25.6	.8
Bremer	23.5	-62.3	153.3	19.8	12.6	Lucas	27.6	-64.0	101.5	38.5	-6.8
Buchanan	23.5	-62.2	155.0	25.2	9.2	Lyon	17.4	-61.4	144.9	15.0	-9.1
Buena Vista	18.2	-61.3	147.0	12.0	-7.1	Madison	27.5	-60.8	113.4	37.6	-11.8
Butler	25.2	-65.3	152.8	19.8	7.1	Mahaska	23.0	-60.2	106.0	22.5	-4.7
Calhoun	19.7	-61.5	132.5	18.6	-3.9	Marion	27.4	-63.8	104.6	32.6	-2.0
Carroll	14.3	-59.6	141.4	14.8	-11.3	Marshall	25.0	-61.2	122.2	18.9	-5.2
Cass	26.9	-62.7	115.1	30.6	-12.7	Mills	32.9	-66.0	112.2	36.1	-13.4
Cedar	27.4	-63.0	117.7	17.9	5.7	Mitchell	27.1	-67.3	156.3	22.5	12.9
Cerro Gordo	24.5	-66.2	156.0	22.8	10.4	Monona	18.0	-58.0	129.5	23.1	-13.4
Cherokee	18.4	-61.0	140.5	16.7	-7.7	Monroe	27.1	-60.9	108.4	25.2	-8.6
Chickasaw	23.2	-62.9	159.0	25.5	5.9	Montgomery	28.7	-66.7	100.6	35.0	-14.6
Clarke	28.9	-64.1	94.0	36.9	-5.4	Muscatine	28.0	-61.9	120.7	22.3	2.4
Clay	19.3	-60.6	151.5	15.1	-3.9	O'Brien	17.7	-59.9	153.0	15.2	-6.8
Clayton	21.9	-60.4	127.2	15.7	4.0	Osceola	17.4	-60.2	151.2	17.0	-6.6
Clinton	23.6	-63.0	138.0	23.0	5.7	Page	28.0	-68.0	95.3	32.1	-14.9
Crawford	16.3	-60.1	141.0	16.5	-12.9	Palo Alto	22.3	-61.6	154.3	16.9	-1.0
Dallas	29.2	-60.9	126.2	22.9	-8.3	Plymouth	22.6	-61.2	131.2	21.4	-7.4
Davis	30.8	-63.4	114.0	33.6	-7.2	Pocahontas	21.4	-63.5	143.1	14.4	-2.4
Decatur	27.8	-62.8	100.1	32.8	-7.1	Polk	24.7	-63.4	120.3	25.3	-6.0
Delaware	19.0	-60.8	148.3	27.9	10.6	Pottawattamie	28.3	-63.2	112.2	31.2	-13.5
Des Moines	24.8	-63.6	112.4	31.9	6.2	Poweshiek	25.3	-61.5	117.0	20.8	-9.1
Dickinson	18.3	-58.2	154.3	17.8	-9.4	Ringgold	27.8	-63.7	96.4	33.5	-12.2
Dubuque	15.4	-61.7	152.2	26.2	10.2	Sac	14.3	-59.8	141.4	15.6	-9.5
Emmet	21.6	-59.5	157.8	17.6	-2.7	Scott	29.3	-63.0	127.4	19.6	4.3
Fayette	18.7	-62.3	156.9	28.9	11.9	Shelby	23.2	-63.7	116.8	25.5	-10.0
Floyd	27.3	-66.7	220.2	-3.8	12.0	Sioux	21.0	-61.3	134.6	18.3	-8.1
Franklin	22.5	-64.7	161.5	20.3	3.1	Story	28.6	-61.6	129.5	24.0	-2.2
Fremont	28.2	-65.6	112.3	33.1	-12.2	Tama	27.4	-62.6	126.3	19.8	-3.7
Greene	19.5	-61.6	123.9	20.9	-5.5	Taylor	28.6	-64.2	95.9	33.7	-12.0
Grundy	27.0	-63.6	137.4	23.7	4.3	Union	29.5	-65.3	91.2	36.9	-6.1
Guthrie	23.8	-59.9	131.2	24.3	-10.4	Van Buren	31.7	-62.6	106.6	33.8	-6.0
Hamilton	26.3	-62.0	141.2	22.8	-3.2	Wapello	26.1	-60.1	114.0	22.3	-7.6
Hancock	23.3	-64.9	159.5	21.9	5.9	Warren	29.1	-62.8	104.4	37.3	-4.2
Hardin	24.6	-62.3	147.2	21.9	-1.7	Washington	20.2	-57.7	110.1	13.1	-2.1
Harrison	24.4	-60.2	122.9	25.8	-14.6	Wayne	26.5	-64.2	104.2	38.2	-8.3
Henry	24.3	-61.4	110.2	23.0	.8	Webster	26.3	-62.5	137.3	21.8	-1.2
Howard	24.5	-62.7	154.0	21.7	4.3	Winnebago	22.2	-65.1	167.0	22.6	3.8
Humboldt	23.2	-64.8	146.6	21.8	-.3	Winneshiek	20.0	-61.9	147.3	21.7	3.8
Ida	17.0	-60.5	132.2	19.7	-8.0	Woodbury	19.2	-59.1	136.6	19.0	-12.8
Iowa	24.9	-61.2	113.9	15.8	-4.8	Worth	23.8	-65.6	165.4	23.0	8.1
Jackson	19.2	-63.1	144.0	26.6	7.5	Wright	23.9	-62.1	148.3	21.3	-3.0
Jasper	24.1	-61.8	117.0	19.5	-4.2						
						State of Iowa	23.9	-62.2	132.2	22.3	-2.6

Table 5. Percentage Change in Per Acre Value (unadjusted and adjusted to 1997 \$s) of Farm Land from 1981 to 1986 and from 1986 to 1997 in Iowa's Counties.

County	Unadjusted		Adjusted		County	Unadjusted		Adjusted	
	1986-1997	1981-1986	1986-1997	1981-1986		1986-1997	1981-1986	1986-1997	1981-1986
Adair	132.5	-62.9	60.2	-68.8	Jefferson	131.4	-61.0	59.5	-67.2
Adams	129.3	-62.2	58.0	-68.1	Johnson	119.5	-60.6	51.3	-66.8
Allamakee	126.9	-62.8	56.4	-68.7	Jones	114.4	-60.7	47.8	-66.9
Appanoose	127.6	-65.1	56.9	-70.7	Keokuk	122.3	-60.3	53.2	-66.6
Audubon	137.5	-61.8	63.7	-67.8	Kossuth	151.7	-66.1	73.4	-71.5
Benton	139.1	-63.1	64.8	-68.9	Lee	129.5	-64.1	58.2	-69.8
Black Hawk	129.1	-65.4	57.9	-70.9	Linn	116.7	-61.0	49.3	-67.2
Boone	148.5	-63.2	71.3	-69.0	Louisa	115.9	-60.6	48.8	-66.8
Bremer	131.9	-65.0	59.8	-70.6	Lucas	123.8	-64.0	54.2	-69.7
Buchanan	128.2	-64.4	57.3	-70.0	Lyon	145.7	-64.9	69.3	-70.4
Buena Vista	144.4	-64.9	68.4	-70.4	Madison	144.2	-63.0	68.3	-68.8
Butler	129.9	-65.6	58.4	-71.1	Mahaska	130.8	-62.1	59.1	-68.1
Calhoun	144.3	-64.5	68.4	-70.1	Marion	127.1	-63.5	56.5	-69.2
Carroll	138.5	-63.6	64.4	-69.4	Marshall	134.7	-62.3	61.7	-68.3
Cass	133.2	-61.9	60.7	-67.9	Mills	130.5	-62.7	58.8	-68.6
Cedar	111.8	-60.4	45.9	-66.7	Mitchell	120.9	-66.1	52.2	-71.5
Cerro Gordo	128.3	-66.5	57.3	-71.8	Monona	132.3	-60.6	60.1	-66.8
Cherokee	143.5	-63.5	67.8	-69.3	Monroe	135.1	-62.7	62.0	-68.6
Chickasaw	127.6	-65.0	56.8	-70.5	Montgomery	121.6	-62.7	52.7	-68.6
Clarke	133.1	-64.2	60.6	-69.8	Muscatine	116.1	-60.8	48.9	-67.0
Clay	148.0	-64.5	70.9	-70.2	O'Brien	145.8	-64.2	69.4	-69.8
Clayton	140.4	-63.6	65.7	-69.3	Osceola	145.4	-64.1	69.1	-69.8
Clinton	104.8	-60.6	41.1	-66.8	Page	120.3	-63.9	51.8	-69.6
Crawford	134.5	-62.6	61.6	-68.5	Palo Alto	152.8	-64.7	74.2	-70.3
Dallas	157.4	-63.2	77.4	-69.0	Plymouth	144.7	-62.4	68.6	-68.4
Davis	127.5	-63.4	56.8	-69.2	Pocahontas	144.9	-65.7	68.8	-71.2
Decatur	132.2	-64.6	60.0	-70.2	Polk	134.9	-64.2	61.9	-69.8
Delaware	117.5	-62.7	49.8	-68.6	Pottawattamie	135.9	-62.5	62.6	-68.4
Des Moines	121.8	-62.7	52.8	-68.6	Poweshiek	129.0	-61.4	57.8	-67.5
Dickinson	153.6	-64.4	74.8	-70.0	Ringgold	127.6	-63.9	56.8	-69.6
Dubuque	117.5	-63.2	49.9	-69.0	Sac	138.4	-63.7	64.3	-69.5
Emmet	153.2	-64.0	74.5	-69.7	Scott	111.7	-60.5	45.9	-66.7
Fayette	121.0	-64.4	52.3	-70.0	Shelby	132.4	-62.6	60.2	-68.5
Floyd	123.2	-65.9	53.8	-71.3	Sioux	147.8	-63.6	70.7	-69.3
Franklin	137.4	-66.0	63.6	-71.4	Story	147.8	-63.5	70.8	-69.2
Fremont	125.3	-61.9	55.3	-67.9	Tama	139.5	-63.5	65.0	-69.2
Greene	139.7	-64.1	65.2	-69.8	Taylor	127.8	-62.9	57.0	-68.8
Grundy	137.9	-64.5	64.0	-70.1	Union	130.0	-64.3	58.5	-69.9
Guthrie	144.1	-61.9	68.2	-68.0	Van Buren	132.7	-62.8	60.4	-68.7
Hamilton	147.8	-64.6	70.8	-70.2	Wapello	133.0	-61.8	60.6	-67.8
Hancock	137.6	-66.4	63.8	-71.7	Warren	139.3	-65.1	64.9	-70.6
Hardin	141.5	-64.2	66.5	-69.8	Washington	123.4	-60.1	53.9	-66.4
Harrison	140.8	-61.8	65.9	-67.8	Wayne	122.8	-65.1	53.5	-70.6
Henry	125.7	-62.1	55.6	-68.1	Webster	149.0	-64.9	71.6	-70.5
Howard	132.2	-65.2	60.0	-70.7	Winnebago	139.3	-66.7	64.9	-72.0
Humboldt	140.9	-66.0	66.0	-71.4	Winneschick	125.7	-64.4	55.5	-70.0
Ida	136.1	-62.5	62.7	-68.4	Woodbury	135.6	-61.7	62.4	-67.7
Iowa	132.6	-61.7	60.3	-67.7	Worth	132.5	-66.4	60.2	-71.7
Jackson	106.1	-62.0	42.0	-68.0	Wright	146.8	-65.7	70.1	-71.1
Jasper	123.3	-61.7	53.9	-67.8					
					State of Iowa	133.4	-63.3	60.9	-69.1

were muted when inflation was entered into the equation. But the decline in the 1980s was even more dramatic when the numbers were adjusted for inflation.

From 1981 to 1986, average values declined steadily; they increased from 1986 to 1997. In the first period, unadjusted declines totaled 63.3 percent for the state (Table 5). The value of farm land dropped by at least 60 percent in all counties. In some, the figures for 1986 were only about a third of what they had been for an average acre in 1981. The numbers adjusted for inflation provide similar findings.

Farm land values escalated from 1986 through 1997; the average acre in Iowa gained 133.4 percent in unadjusted value. Although the losses from 1981 through 1986 had a relatively small range (-60.1% through -66.7%) across counties, the gains in the following years varied to a somewhat greater degree. Twenty-six counties had increases in farm land values of at least 140 percent, while the gains in 11 others were less than 120 percent (Figure 4). Increases from 1986 to 1997 were greatest (+150%) in Dallas, Dickinson, Emmet, Kossuth, and Palo Alto counties. These gains were not as dramatic when the effects of inflation were incorporated, however.

Note: Annual data from 1950 through 1997 are available from Michael Duffy, Department of Economics, 560 Heady Hall, Iowa State University, Ames, IA 50011.

Figure 1. Per acre value (in \$) of farm land in Iowa, 1950-1997.

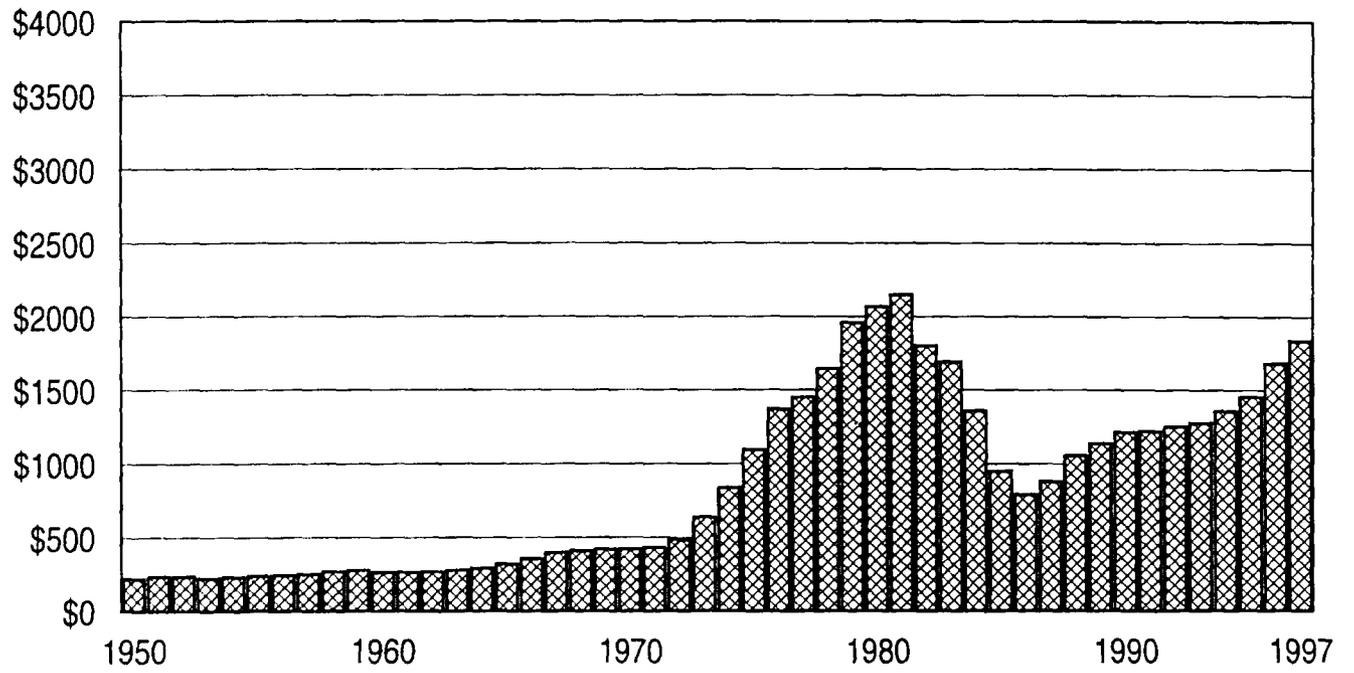


Figure 2. Adjusted per acre value (in 1997 \$) of farm land in Iowa, 1950-1997.

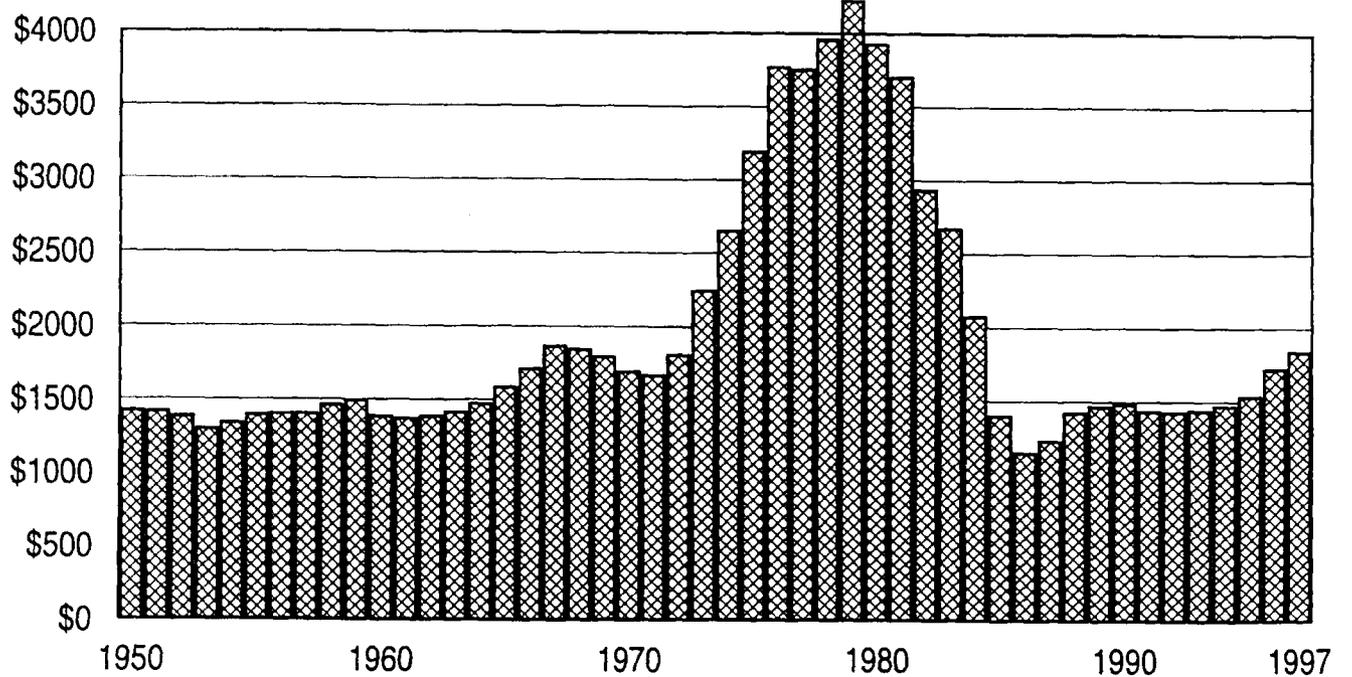


Figure 3. Average farm land value per acre, 1997.

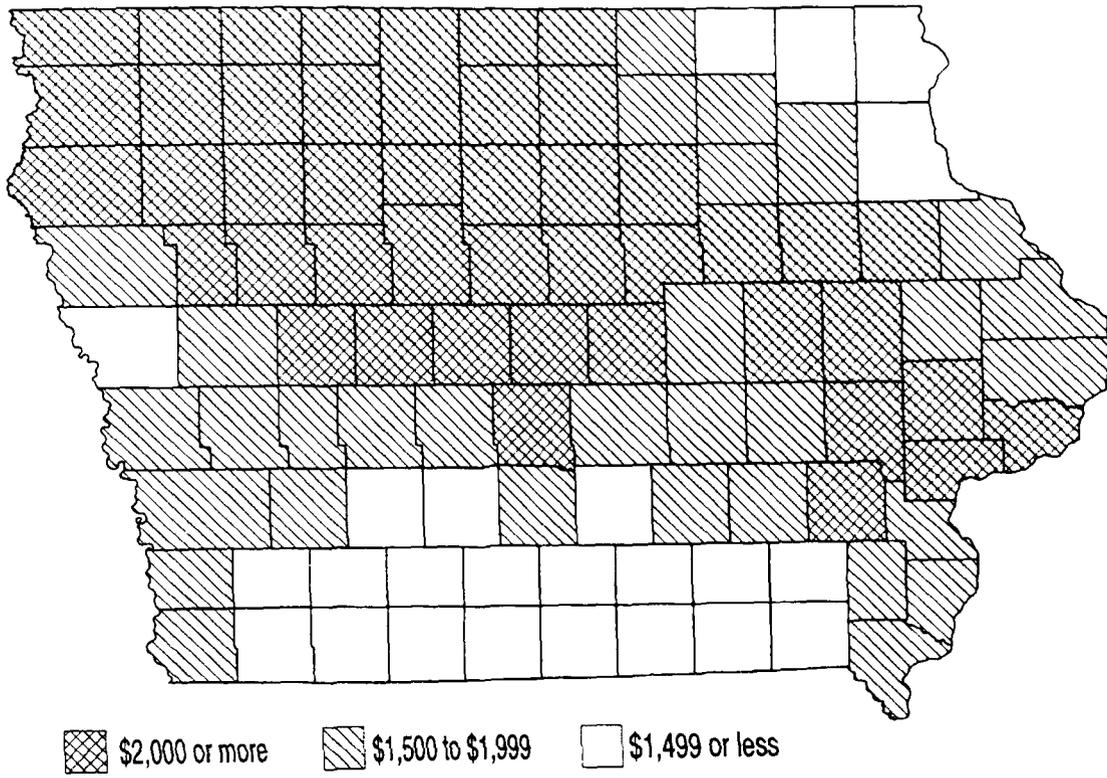
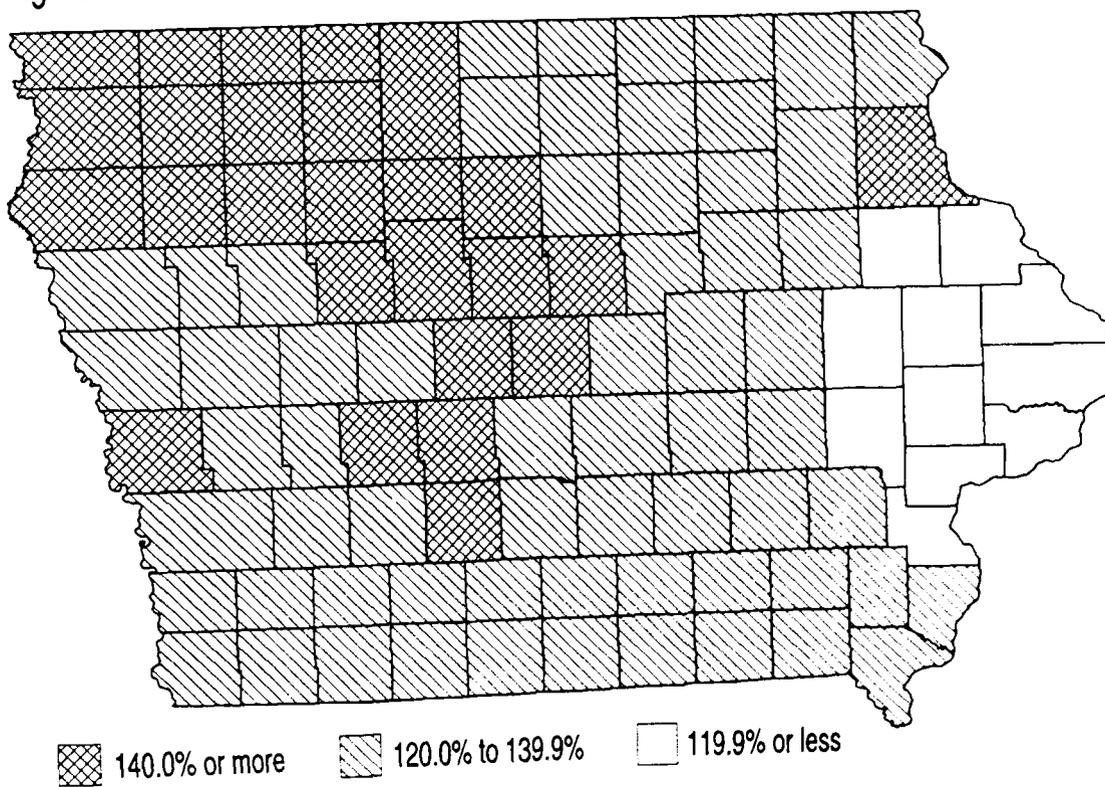
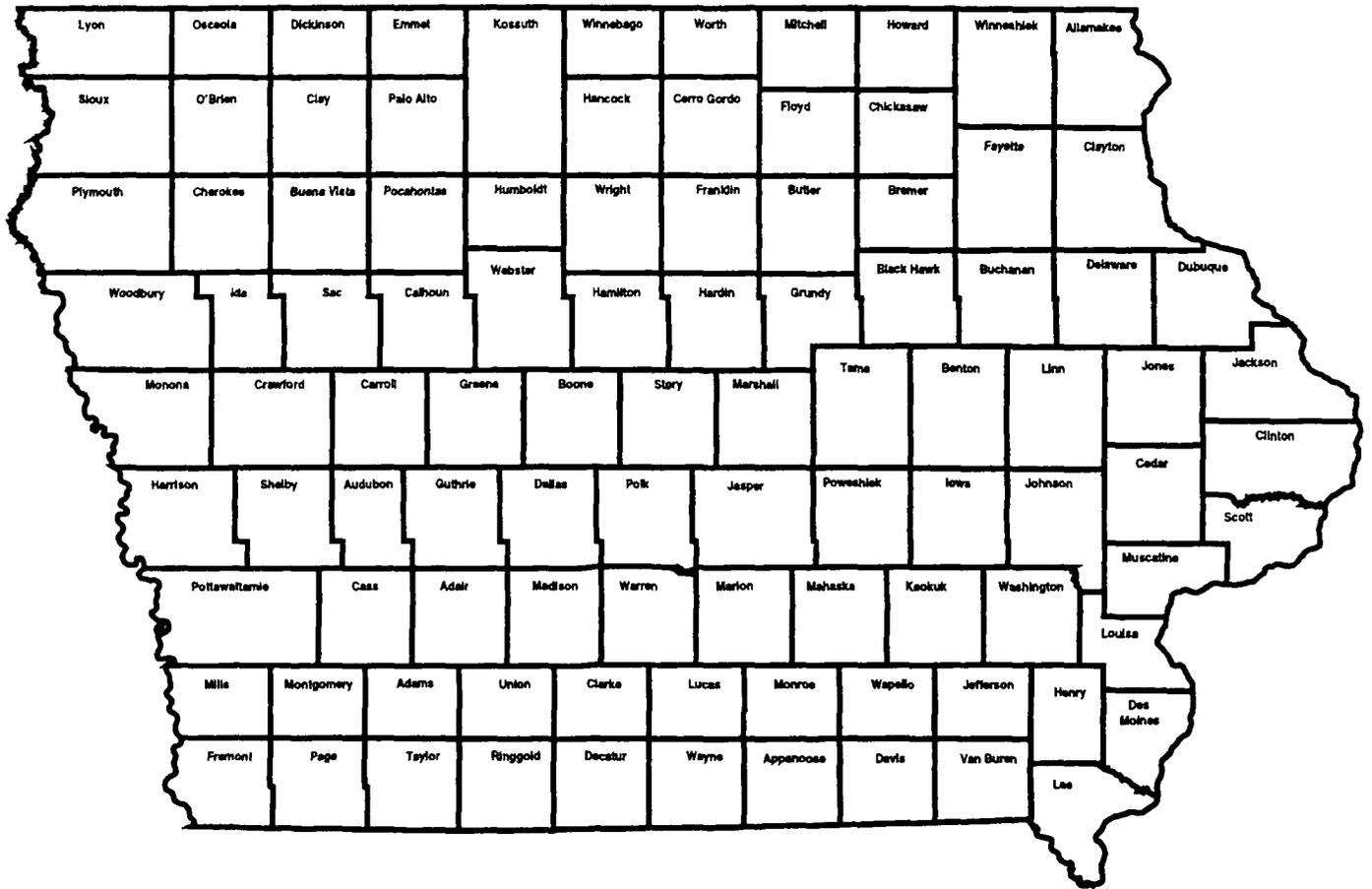


Figure 4. Percent increase in per acre value of farm land, 1986-1997.





Corn and Soybean Production in Iowa's Counties: 1977, 1982, 1987-1997

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

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

Corn Production

Twelve million acres of corn were harvested for grain in 1997 (Table 1), a decrease of 450,000 acres from 1996. These acres generally increased from 1987, when about 10 million acres were harvested, to 1992, when nearly 13 million acres were reported (Figure 1). Weather-related problems in 1993 resulted in a 15.1 percent decline from 1992 in harvested corn acreage but a gain of 15.5 percent from 1993 to 1994. A decline of 10.2 percent occurred from 1994 to 1995, again in large part due to weather patterns. The increase of 9.2% from 1995 to 1996 nearly replaced the previous decline.

In 1997, nearly 1.7 billion bushels of corn were produced, about the same as in 1996 (Table 2). Fewer than 1 billion bushels were produced in 1988 and 1993.

The average number of bushels of corn grown per acre is obtained by dividing the number of bushels produced by the number of acres grown. In only a few of the years examined was the average below 100 bushels per acre (Table 3, Figure 2). The 1997 figure of 138 was the same as that reported for 1996, substantially above the 123 figure for 1995, but still below the 152 bushels per acre reported in 1994, the highest of the years noted.

Counties vary in corn production (Tables 1, 2, 3). Both the acres harvested and the bushels of corn produced differ by the amount and quality of farmland available for such production. The figures for the average bushels produced per acre allow county comparisons that take into account variations in the number of acres planted. In 1997, for example, average yield of corn was at least 10 bushels per acre greater than the state figure in Boone, Floyd, Polk, and Worth. Yields were 10 or more bushels per acre under the state average in 18 counties; in only Ringgold and Wayne were yields less than 110 bushels per acre in 1997 (Figure 3).

Soybean Production

The number of acres of soybeans harvested generally has risen slowly from the beginning to the end of the period examined (Table 4, Figure 1). Nearly 7.1 million acres of soybeans were harvested in

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1977, 1982, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Adair	103	105	96	109	98	112	109	112	106	92	90	115	110
Adams	53	63	44	61	54	63	60	63	61	55	50	68	68
Allamakee	71	76	70	72	63	73	71	68	66	55	62	86	70
Appanoose	27	26	7	30	21	33	32	31	30	24	26	35	39
Audubon	97	105	95	105	97	110	108	109	108	99	94	124	111
Benton	177	185	173	182	166	181	179	175	175	156	153	181	172
Black Hawk	142	152	145	150	137	154	143	150	149	130	120	142	143
Boone	135	147	134	145	123	141	133	134	135	119	108	148	154
Bremer	115	123	117	120	110	123	113	115	114	93	89	116	108
Buchanan	159	165	166	174	163	181	181	177	172	150	143	171	165
Buena Vista	162	160	159	166	148	164	151	155	159	139	122	165	163
Butler	143	154	146	152	136	158	146	154	149	136	127	164	164
Calhoun	161	163	155	167	144	163	145	152	153	131	117	159	152
Carroll	153	150	153	157	147	161	159	161	162	137	127	159	139
Cass	118	119	116	131	115	133	125	127	124	109	102	136	135
Cedar	146	161	160	169	158	173	177	174	167	149	134	184	172
Cerro Gordo	154	159	160	166	143	172	153	166	162	140	122	168	159
Cherokee	140	143	135	142	132	145	141	144	142	124	107	147	142
Chickasaw	125	131	125	131	116	136	123	122	122	104	105	136	109
Clarke	25	28	5	37	22	38	37	36	37	32	37	49	40
Clay	141	146	137	145	105	144	133	135	135	116	102	157	140
Clayton	137	140	138	142	136	157	148	138	130	115	135	158	139
Clinton	184	187	185	196	174	197	196	189	192	166	167	215	201
Crawford	166	166	167	174	162	176	170	170	172	145	127	163	167
Dallas	133	142	128	135	123	139	138	137	134	120	108	146	155
Davis	34	38	11	38	32	44	44	43	41	39	42	53	62
Decatur	26	30	6	32	25	34	32	30	32	21	36	51	45
Delaware	173	183	175	180	166	185	184	177	172	141	146	178	158
Des Moines	73	75	62	76	66	75	76	73	72	70	68	93	92
Dickinson	85	88	80	88	46	88	78	86	85	76	68	95	88
Dubuque	123	124	113	114	104	121	116	113	112	88	104	129	113
Emmet	112	109	105	110	53	108	97	103	102	93	80	118	102
Fayette	187	197	188	194	174	201	194	194	186	154	146	182	171
Floyd	132	136	127	138	121	140	131	132	128	112	109	134	123
Franklin	171	179	171	180	160	183	145	170	170	147	132	180	160
Fremont	112	119	85	116	82	118	111	113	114	99	88	101	122
Greene	156	160	150	161	140	155	146	145	146	124	109	152	145
Grundy	159	161	154	164	144	164	151	161	160	140	129	159	152
Guthrie	110	113	99	107	98	112	109	106	106	97	87	120	104
Hamilton	160	174	161	170	148	168	149	160	159	136	122	160	169
Hancock	163	167	162	168	144	175	152	163	163	147	127	171	164
Hardin	156	171	166	174	155	172	156	167	161	138	136	171	175
Harrison	161	162	149	160	146	166	157	156	154	143	127	165	167
Henry	85	87	67	89	79	92	92	88	89	81	74	104	105
Howard	107	115	105	107	96	115	103	104	101	89	83	104	92
Humboldt	127	135	124	134	113	130	99	122	123	111	96	127	122
Ida	107	113	112	119	114	123	125	127	125	110	97	126	126
Iowa	116	125	112	130	110	129	128	121	124	99	117	154	144
Jackson	101	102	96	99	83	104	101	98	96	74	85	122	97
Jasper	156	158	155	166	147	169	162	164	166	147	139	169	171

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1977, 1982, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Jefferson	64	65	38	70	59	73	74	72	72	60	67	77	83
Johnson	100	107	101	113	103	124	127	119	118	107	105	149	139
Jones	140	153	144	150	131	152	150	146	141	117	121	152	136
Keokuk	105	113	86	114	102	117	120	113	119	107	105	127	135
Kossuth	299	299	291	304	241	308	237	274	272	234	206	280	255
Lee	85	80	48	79	63	81	77	74	71	64	71	88	89
Linn	136	146	133	143	131	146	149	149	143	126	120	153	157
Louisa	79	83	75	88	80	88	89	88	84	83	76	98	85
Lucas	21	24	7	27	16	32	30	29	30	27	30	40	40
Lyon	152	162	148	154	132	153	147	143	138	123	120	153	149
Madison	64	63	56	70	51	73	71	74	71	63	62	76	82
Mahaska	123	124	105	125	104	124	124	119	120	104	104	128	136
Marion	70	63	61	77	60	79	74	74	76	71	69	77	67
Marshall	137	138	137	146	134	155	146	151	149	132	127	154	160
Mills	93	97	84	100	87	100	96	100	96	83	81	102	94
Mitchell	121	132	125	130	110	135	121	124	120	104	97	127	114
Monona	151	159	139	156	141	167	161	163	165	144	128	175	163
Monroe	26	26	8	28	15	31	28	27	29	23	26	33	41
Montgomery	88	89	75	90	81	90	88	89	87	78	71	86	96
Muscatine	94	96	90	100	84	99	97	92	96	86	86	104	93
O'Brien	154	158	152	160	135	161	158	160	157	140	126	158	152
Osceola	116	117	108	112	72	111	108	107	105	94	80	107	103
Page	98	101	78	99	88	102	101	101	97	86	82	95	107
Palo Alto	140	152	143	154	125	158	122	151	149	132	125	162	151
Plymouth	197	208	204	217	203	227	213	217	211	187	189	233	225
Pocahontas	171	172	163	173	150	168	146	156	157	138	121	170	152
Polk	90	95	87	96	81	101	95	97	99	85	78	101	120
Pottawattamie	206	218	217	237	214	243	236	235	227	202	198	220	223
Poweshiek	109	109	112	119	109	123	124	122	115	93	101	146	130
Ringgold	42	42	15	46	36	49	48	46	48	37	40	55	62
Sac	156	165	151	161	146	157	145	150	150	133	115	159	160
Scott	114	119	120	127	118	128	126	123	123	109	107	148	127
Shelby	163	168	169	179	168	181	176	175	173	151	134	178	169
Sioux	220	223	224	240	210	237	233	228	223	203	186	226	218
Story	151	156	152	160	140	160	156	161	161	142	123	146	156
Tama	149	162	163	179	162	184	175	182	180	161	147	181	180
Taylor	64	65	33	68	59	70	66	67	67	59	57	71	74
Union	42	39	29	52	39	52	50	51	47	40	39	49	52
Van Buren	44	44	12	46	34	48	49	46	45	43	43	58	58
Wapello	55	62	29	58	40	59	57	56	53	45	48	59	66
Warren	64	66	58	75	53	80	77	78	82	64	68	79	77
Washington	118	127	109	130	116	132	139	134	130	120	119	153	153
Wayne	40	41	9	49	38	54	50	45	48	40	45	66	66
Webster	182	188	176	190	164	186	166	174	172	151	133	175	181
Winnebago	129	127	124	129	104	134	104	120	117	99	89	119	109
Winneshiek	131	134	125	127	109	131	131	123	117	88	109	137	119
Woodbury	179	187	170	193	181	207	207	208	205	185	162	239	238
Worth	104	103	107	112	93	112	99	104	103	91	80	111	114
Wright	172	170	166	175	155	174	136	161	157	140	120	163	164
State of Iowa	12000	12450	11400	12700	11000	12950	12200	12400	12250	10700	10150	13150	12700

Table 2. Estimated Bushels (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1977, 1982, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Adair	12635	12612	8160	16425	7558	15736	13802	12856	13892	7898	11496	11740	5509
Adams	6676	7953	3806	9054	4250	8516	8024	7461	6661	4035	6250	6511	4132
Allamakee	9842	9566	8237	10569	5241	9406	9471	9080	8001	3603	8455	9976	8249
Appanoose	3334	3073	463	4082	1368	3866	2883	3152	2458	1184	2870	2941	2388
Audubon	12466	13881	11197	15793	7852	16116	14242	13323	14203	9063	12478	13878	6924
Benton	25221	25173	20371	26202	14065	25493	16693	21111	18818	8962	21042	22677	14386
Black Hawk	19043	20363	18767	22866	10109	24034	15935	18712	13818	9616	17197	18253	15698
Boone	20111	21863	20056	24017	10345	23041	16352	15902	17670	10335	15463	19082	5174
Bremer	16511	17380	15134	18120	8723	19174	14792	15390	11268	6571	12298	14376	12572
Buchanan	21333	23610	19063	26179	12500	27270	22359	23631	19568	11251	20166	22238	17866
Buena Vista	23445	23276	22186	26389	11868	25244	18161	20162	20990	15662	16052	20562	19524
Butler	19380	22015	18249	21336	10066	24094	18277	19907	14032	12827	16684	20286	15163
Calhoun	21911	24208	21986	28684	11956	27385	16762	19012	20596	16202	16724	20292	12743
Carroll	19863	21451	20013	25356	10364	24637	19402	19370	21022	15931	17242	18165	7051
Cass	14354	15425	12642	19045	8299	19806	16387	15764	16224	9947	13592	15029	10308
Cedar	21426	22406	19416	26631	14404	25514	19236	23723	22056	9110	16117	25460	21235
Cerro Gordo	22292	22878	20314	24514	9254	24695	18339	22759	15671	13981	16157	21365	16566
Cherokee	19737	19742	17438	21397	11583	21869	19137	18813	18777	14914	13766	18186	15039
Chickasaw	17633	16669	15534	18787	8250	19163	15968	15808	12041	7166	13927	15065	12158
Clarke	2800	2642	338	4822	942	4598	3753	3746	2542	1249	3710	3926	1617
Clay	18830	20411	17469	22626	6894	21206	14925	18073	17555	11595	13924	17792	15671
Clayton	19075	18850	16497	20714	12262	21097	19750	19454	17407	7655	18801	19530	16298
Clinton	25245	27351	24114	31300	17560	27930	20755	25998	23426	8828	18206	28245	21922
Crawford	20999	22031	18726	26298	12447	25490	20885	21297	21042	15045	16096	17972	10758
Dallas	18312	19476	17281	21186	11681	21306	17097	17518	18735	10591	15132	18450	8082
Davis	4564	4699	699	5042	2022	5662	4097	4590	2712	2044	3857	5045	2968
Decatur	2978	3988	441	4460	1195	4187	3382	2893	2731	837	3932	4574	2254
Delaware	25189	26565	20921	27934	12840	26219	23057	24619	21021	9116	20348	23444	17206
Des Moines	10164	9862	7414	12164	6228	10851	6991	9390	6001	4542	7532	12437	8900
Dickinson	11280	12382	10022	12755	2528	11829	9431	11019	11635	8067	9011	11208	8503
Dubuque	16960	18292	13500	17122	8776	16317	15107	15423	12109	5675	13576	16710	11656
Emmet	16159	15835	13389	16914	2811	15912	11421	13798	14218	10386	11417	14775	11061
Fayette	26826	26209	24203	27860	13980	28916	26554	26410	22854	12128	20615	21180	19338
Floyd	19557	19205	15826	19631	8840	20201	16297	18334	10648	9386	14364	16059	13550
Franklin	23143	27202	22578	26768	10480	29143	16997	22220	21688	16218	18591	22986	13885
Fremont	15248	16218	9364	16644	6491	18391	14187	12961	13943	11099	10347	9532	6710
Greene	21270	23801	21039	25822	11813	26161	18200	17632	18600	12336	15976	19287	5472
Grundy	21691	20908	20644	24198	11149	26184	18412	18868	15309	12577	18144	20717	14824
Guthrie	13831	15196	11851	16657	7954	16489	13157	12777	14465	9072	11352	13519	5818
Hamilton	22467	25837	23405	28267	11044	27672	18347	19190	24542	10900	17462	20749	12988
Hancock	23240	24509	20669	25805	10818	26440	16758	22427	20469	16886	17463	21655	18488
Hardin	21336	24160	23595	27183	11975	28310	19034	20652	18803	11528	19456	22578	14960
Harrison	21801	22961	16394	23104	14366	25757	18340	17541	14940	13006	17360	18113	12251
Henry	11836	11546	7970	14183	6336	13319	9018	10852	6385	4942	7720	13185	9883
Howard	15464	15396	13170	15024	6026	14033	12400	13847	12647	5612	10730	11130	10395
Humboldt	17683	20804	17291	21329	8445	21491	10782	15375	18289	11861	13693	16807	12091
Ida	14280	15996	14039	17858	9853	18534	15243	16232	16300	13179	12096	15102	12913
Iowa	15115	15140	11606	19749	8716	16951	13684	15111	12965	3156	14483	18467	10649
Jackson	12783	13102	10378	14440	7352	12287	9117	12747	10955	3321	9838	15092	9636
Jasper	22644	21861	20183	26126	14183	25262	18456	20651	19166	11165	19192	21140	8802

Table 2. Estimated Bushels (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1977, 1982, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Jefferson	9407	7912	3691	10817	4115	10054	7382	8879	6277	3442	6969	9093	6360
Johnson	12943	13057	10452	17613	8093	16658	12366	15130	12013	4921	11537	18649	14633
Jones	20660	21972	16915	22929	11164	20655	16522	18861	15402	5833	15062	20035	14042
Keokuk	14688	13919	8992	17398	8025	15621	11632	13572	12360	4197	13437	15612	9215
Kossuth	44046	42959	38380	47625	18020	48520	25808	38011	39247	28548	30099	37409	25897
Lee	12187	11076	5704	12397	4877	12033	7634	8178	3309	2454	6725	10976	5130
Linn	19805	20375	15203	22073	10696	20703	14178	18979	16463	6056	15077	19731	15140
Louisa	10529	10661	8875	13676	7205	12465	7983	11515	6221	4087	7551	12851	9027
Lucas	2487	2593	470	3468	851	4088	3003	3018	1922	1256	3097	3273	1683
Lyon	20334	22446	17827	23444	11335	20570	18122	16624	16467	8745	14472	16050	14184
Madison	7947	7733	5824	10622	3803	10388	8201	8275	9074	4406	7500	7622	2943
Mahaska	18122	16013	12149	19823	8708	17896	12891	14462	13478	5867	14079	15011	6641
Marion	10116	7440	6410	12364	4872	10913	8084	8865	8566	5820	8898	8143	1229
Marshall	18827	19374	18449	22174	11499	23832	18628	19221	18091	9299	18209	19931	6780
Mills	12918	12911	8907	14723	6486	15618	12716	11988	10538	8960	10259	10534	5311
Mitchell	17841	18484	16763	19192	7461	18560	15186	17870	15493	8601	12409	15401	12285
Monona	18609	19763	13411	21720	12790	23943	16700	18055	17131	13770	15720	19513	13915
Monroe	3206	2979	664	4142	892	3589	2970	3002	2777	1063	2769	2579	1854
Montgomery	12275	11573	6815	12600	6061	13616	11269	10572	10565	7488	8740	8397	7077
Muscatine	12195	12045	10645	15996	6720	13922	9035	11618	10165	4578	8514	13614	10680
O'Brien	21794	22206	19701	24339	10214	23336	19252	21439	22247	17293	16819	18421	17021
Osceola	15223	15847	13906	16284	5107	15154	14536	14151	13750	10321	11156	12832	11268
Page	13601	13798	7031	13311	6744	15262	12409	11508	10720	6567	9381	8906	7089
Palo Alto	20423	21775	18183	23675	9005	24474	12834	20622	18675	14084	17199	20474	15532
Plymouth	26017	28728	24054	32165	19611	32738	26530	24972	24489	13291	21983	25471	20042
Pocahontas	24881	25768	22712	28176	11195	26969	17308	19186	22104	14875	16632	22342	16257
Polk	13443	14003	12490	16100	7697	15578	10541	12105	12690	7340	11326	12610	7338
Pottawattamie	27748	29548	23290	35334	17310	37944	32110	28433	22780	19990	27130	25390	19275
Poweshiek	14605	14536	12589	17743	8570	16732	13128	15163	12434	4822	13154	17771	10101
Ringgold	4583	4938	1006	6351	1516	6105	5162	4417	4795	1670	4344	4533	2854
Sac	20730	24560	19610	25951	11812	24748	17089	19239	18946	16507	15210	18666	14178
Scott	15837	16574	15730	20997	12540	19027	14315	16623	16292	6963	13263	20087	15245
Shelby	21359	22702	19168	26614	14290	26243	22963	21752	20709	14306	16938	20972	11180
Sioux	31027	32605	28683	38416	21609	34399	28648	28088	29950	18190	21769	24656	19647
Story	21228	22768	21314	24929	10893	25712	19166	18664	20437	12125	17818	19187	5047
Tama	20139	21224	19649	25469	13192	26175	19787	22278	18201	14510	20198	22682	15575
Taylor	7815	7341	2125	9214	3621	8981	7797	6502	6353	3558	6288	5876	4885
Union	5212	4733	2098	7477	2052	6734	6277	5685	4810	2692	4556	4464	2086
Van Buren	5935	5600	1091	6303	1946	6490	4673	5048	2893	1732	4316	6066	2659
Wapello	7431	7915	2847	8789	2995	8233	5546	6515	5631	2833	5291	6918	5426
Warren	9224	8438	6100	11560	3801	11029	8636	8773	8819	5321	8500	8114	2084
Washington	16637	16138	11648	20208	9333	17996	14161	17568	12081	5026	13826	19920	14796
Wayne	4393	5506	636	6612	1568	6403	4918	4285	3646	1809	4990	5303	3525
Webster	26737	29244	26095	32368	13612	30496	20221	21706	25731	14198	19255	22875	15242
Winnebago	18849	17496	15764	19481	7053	19646	11326	16720	15066	11728	12363	14676	11697
Winneshiek	19114	17919	15274	17805	9273	16401	17152	16817	14179	6078	14612	14917	13161
Woodbury	22601	24671	18176	26763	16433	30077	21947	23568	22945	14791	19623	26671	23570
Worth	15462	14346	13736	16466	5851	15358	11636	14801	13393	8973	10856	14085	11936
Wright	24827	25909	22900	27273	11422	28362	15166	21496	23307	15556	17181	21203	17224
State of Iowa	1656000		1402200		880000		1427400		1445500		1319500		1092200
		1718100		1930400		1903650		1562400		898800		1578000	

Table 3. Estimated Bushels of Corn Harvested for Grain Per Acre in Iowa's Counties, 1977, 1982, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Adair	122.7	119.9	85.0	151.0	76.8	140.0	126.4	115.1	131.4	86.1	128.4	102.2	50.1
Adams	125.5	125.4	87.3	148.2	79.0	135.4	133.7	119.4	110.1	73.5	125.8	95.3	60.8
Allamakee	139.0	126.7	117.0	146.4	83.2	129.4	132.6	132.7	122.2	66.1	136.2	116.3	118.5
Appanoose	125.3	118.6	68.1	134.7	64.5	117.5	90.4	103.3	83.0	50.4	110.0	85.0	60.6
Audubon	129.0	131.9	118.2	151.1	80.6	147.0	132.0	122.0	132.0	91.7	133.5	112.0	62.5
Benton	142.5	135.8	117.8	143.7	84.8	140.9	93.2	120.5	107.3	57.4	138.0	125.1	83.6
Black Hawk	133.9	134.0	129.7	152.0	73.6	156.3	111.2	125.0	92.9	74.1	143.0	128.2	109.8
Boone	149.1	148.9	149.9	165.3	84.0	163.8	123.4	118.8	130.5	86.8	142.9	128.7	33.6
Bremer	144.2	141.4	129.2	151.0	79.7	155.8	130.9	133.6	99.3	70.5	137.6	124.5	116.0
Buchanan	133.9	143.1	114.8	150.8	76.6	151.1	123.5	133.3	113.6	75.3	141.4	130.0	108.4
Buena Vista	144.6	145.3	140.0	159.0	80.3	153.7	120.5	130.4	132.4	113.0	131.4	124.9	119.9
Butler	135.3	143.2	125.1	140.0	73.9	152.3	125.6	129.5	94.3	94.2	131.6	123.9	92.4
Calhoun	136.3	148.7	142.3	171.5	83.3	167.6	116.0	125.4	134.6	123.4	143.2	127.8	83.8
Carroll	130.2	142.8	131.1	161.3	70.5	153.5	122.1	120.7	129.4	115.9	135.8	114.2	50.6
Cass	121.5	129.9	108.9	145.6	72.1	148.8	131.4	123.9	131.4	91.5	132.9	110.4	76.3
Cedar	147.3	139.5	121.4	157.5	91.3	147.7	108.6	136.5	131.8	61.3	120.6	138.1	123.7
Cerro Gordo	145.2	143.7	127.1	147.6	64.8	143.7	120.0	136.8	97.0	100.2	133.0	126.9	104.3
Cherokee	141.0	138.2	129.2	151.0	87.5	150.7	135.8	130.7	132.7	120.0	129.3	123.5	106.3
Chickasaw	140.7	127.2	124.3	143.6	71.0	140.6	130.1	130.0	98.8	69.0	133.0	111.2	111.7
Clarke	111.6	95.7	65.0	130.3	43.0	121.0	102.3	104.3	68.2	39.3	100.0	79.6	40.9
Clay	133.7	140.0	127.6	156.0	66.0	147.4	112.2	133.7	130.5	100.3	136.5	113.5	112.1
Clayton	139.4	135.1	119.8	146.3	89.9	134.7	133.7	141.4	134.0	66.9	139.0	123.8	117.6
Clinton	137.0	146.1	130.7	159.9	100.7	142.0	105.8	137.3	122.2	53.3	109.3	131.2	109.1
Crawford	126.2	132.6	112.2	150.8	76.7	144.8	122.8	125.5	122.6	103.7	127.1	110.4	64.3
Dallas	138.1	136.9	134.7	156.6	95.4	153.6	124.3	127.5	139.5	88.2	140.0	126.5	52.3
Davis	133.5	125.3	65.9	132.0	63.6	129.0	93.3	108.0	66.0	52.5	92.9	95.7	47.8
Decatur	115.0	131.6	68.9	138.5	48.8	124.6	105.7	97.4	84.8	39.3	108.0	89.5	50.1
Delaware	145.7	145.0	119.8	155.1	77.3	141.5	125.4	138.9	122.5	64.9	139.0	131.9	108.8
Des Moines	140.2	131.8	120.0	159.8	94.1	145.5	92.5	128.5	83.0	64.8	110.4	134.2	96.8
Dickinson	133.3	141.5	125.6	145.3	55.6	135.0	120.3	128.3	136.2	106.4	133.3	118.1	97.0
Dubuque	137.9	147.5	119.3	149.8	84.8	134.4	130.0	136.5	108.6	64.2	131.2	129.5	103.6
Emmet	144.1	145.1	128.0	153.9	53.4	147.5	118.0	134.5	139.8	111.6	142.9	125.2	108.2
Fayette	143.5	132.9	129.1	143.8	80.4	143.9	136.6	135.9	123.1	79.0	141.6	116.5	113.0
Floyd	148.4	141.6	125.0	142.5	73.0	144.3	124.6	138.7	83.3	83.8	131.7	119.7	110.2
Franklin	135.3	152.2	132.2	148.5	65.7	158.9	117.3	130.8	128.0	110.5	141.4	127.6	86.8
Fremont	135.8	136.1	110.0	143.0	79.4	155.3	128.3	115.2	122.1	112.0	118.3	94.7	55.0
Greene	136.3	149.1	140.6	160.9	84.1	169.2	124.6	121.3	127.7	99.6	147.1	127.3	37.8
Grundy	136.8	129.5	133.9	147.9	77.4	160.1	121.6	117.6	95.5	89.9	140.2	130.4	97.7
Guthrie	126.2	134.4	119.5	155.5	81.6	147.2	121.2	121.0	135.9	93.5	130.6	112.3	55.9
Hamilton	140.7	148.4	145.5	166.4	74.6	164.5	123.5	120.3	154.4	80.4	143.4	130.0	77.1
Hancock	142.4	146.4	127.9	153.4	74.9	151.1	110.4	138.0	126.0	115.0	137.1	126.3	112.9
Hardin	136.8	141.6	141.8	156.2	77.1	164.7	122.1	123.6	116.9	83.7	143.4	132.0	85.3
Harrison	135.8	141.6	110.4	144.2	98.6	155.0	117.1	112.5	97.3	91.1	136.3	109.7	73.4
Henry	138.8	132.9	119.8	159.2	80.1	144.8	98.2	122.9	72.1	60.9	103.9	126.9	94.2
Howard	144.5	134.3	125.1	140.1	63.1	122.6	121.0	133.3	125.1	62.9	128.8	106.9	113.0
Humboldt	139.1	154.4	139.3	159.1	75.0	164.8	108.5	126.4	149.1	107.0	143.4	132.7	98.9
Ida	133.8	141.7	125.8	150.1	86.4	151.2	121.8	128.2	130.4	119.7	125.2	120.1	102.6
Iowa	130.1	121.0	103.4	151.6	79.3	131.0	106.9	124.9	104.8	32.0	123.9	119.8	74.0
Jackson	126.4	128.7	108.4	146.0	88.4	117.8	90.0	130.5	113.6	45.1	115.5	123.6	99.3
Jasper	145.4	138.4	130.5	157.1	96.4	149.1	114.1	126.0	115.8	76.0	138.4	124.8	51.4

Table 3. Estimated Bushels of Corn Harvested for Grain Per Acre in Iowa's Counties, 1977, 1982, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Jefferson	147.0	122.5	96.1	155.6	70.0	137.9	99.9	123.1	86.7	57.2	103.4	118.2	76.7
Johnson	130.1	121.9	104.0	155.5	78.6	134.4	97.3	127.2	101.5	46.2	110.3	125.1	105.7
Jones	147.3	143.9	117.7	152.7	85.2	135.7	110.1	129.0	109.0	49.9	124.2	132.0	102.9
Keokuk	139.9	123.0	104.8	153.3	78.9	133.5	96.9	120.0	103.9	39.4	128.2	122.6	68.3
Kossuth	147.4	143.6	131.7	156.8	74.8	157.5	108.7	138.8	144.4	122.0	146.3	133.5	101.6
Lee	143.0	138.1	119.6	157.7	76.9	149.5	99.5	110.8	46.6	38.5	94.2	125.2	57.6
Linn	146.1	139.5	114.1	154.1	81.9	141.9	95.0	127.5	114.9	48.1	126.0	129.2	96.2
Louisa	133.4	128.8	118.6	155.6	90.6	141.2	90.0	131.0	73.7	49.5	99.9	131.5	106.5
Lucas	118.4	108.9	65.3	130.9	52.9	127.0	100.1	104.4	64.7	46.7	102.9	81.6	42.3
Lyon	134.0	138.6	120.5	151.8	85.9	134.6	123.2	116.4	119.3	71.3	121.0	104.6	95.1
Madison	124.4	123.5	103.6	152.0	74.3	142.3	116.3	112.4	127.1	70.5	121.8	100.4	36.0
Mahaska	147.0	129.5	115.3	158.5	84.1	144.8	103.8	121.7	112.6	56.2	136.0	117.6	48.9
Marion	143.9	117.9	104.4	159.7	81.2	137.4	109.2	119.3	113.0	82.2	129.3	105.8	18.3
Marshall	137.5	140.6	134.8	151.7	85.7	154.3	127.4	127.1	121.5	70.5	143.2	129.4	42.5
Mills	139.7	133.2	105.9	147.4	75.0	156.0	131.9	120.5	109.4	107.7	126.7	103.1	56.3
Mitchell	147.7	139.9	134.0	147.6	68.0	137.9	125.4	144.3	129.0	82.4	127.4	121.4	107.5
Monona	123.5	124.3	96.2	139.1	90.5	143.1	104.0	110.5	104.1	95.6	123.2	111.7	85.2
Monroe	125.2	112.8	84.1	149.0	61.5	117.3	107.2	112.9	94.5	46.6	107.3	78.6	45.0
Montgomery	139.6	130.0	91.1	140.0	74.6	151.8	128.5	118.8	121.0	95.6	123.3	98.0	74.1
Muscatine	129.6	125.1	118.9	160.8	80.0	141.1	93.3	125.9	106.0	53.0	99.1	130.9	115.1
O'Brien	141.8	140.7	129.3	151.9	75.6	145.1	121.9	134.2	141.8	123.5	134.0	116.7	112.1
Osceola	131.8	135.0	129.0	145.0	71.2	136.0	134.6	131.8	131.1	109.8	139.1	120.3	109.9
Page	138.6	136.6	89.7	135.0	76.7	149.8	123.3	113.8	110.2	76.8	113.8	93.5	66.6
Palo Alto	145.7	143.2	127.2	153.5	71.9	154.7	105.6	136.2	125.0	106.9	137.9	126.5	102.9
Plymouth	131.8	138.4	118.0	148.3	96.7	144.3	124.6	115.1	115.8	71.0	116.5	109.3	89.0
Pocahontas	145.7	150.3	139.7	162.7	74.6	160.1	118.5	123.3	140.6	107.6	137.3	131.5	106.7
Polk	149.7	148.2	142.9	167.0	94.7	155.0	111.2	124.3	128.2	86.4	144.5	124.6	61.3
Pottawattamie	135.0	135.9	107.2	149.3	81.1	156.0	136.2	120.9	100.5	98.8	136.8	115.7	86.3
Poweshiek	134.2	133.2	112.9	149.0	79.0	136.4	105.6	124.2	108.6	51.6	129.9	122.1	77.6
Ringgold	108.9	117.0	65.3	138.1	42.0	123.8	108.4	96.9	100.5	45.1	109.1	82.9	46.0
Sac	132.5	148.8	129.8	160.8	80.8	157.4	118.3	127.9	126.7	123.9	132.6	117.4	88.6
Scott	138.4	139.6	131.3	164.8	106.0	148.3	113.5	135.4	133.0	64.0	124.3	135.7	119.8
Shelby	131.4	135.1	113.8	148.4	85.0	144.8	130.5	124.7	119.9	94.5	126.8	117.9	66.2
Sioux	141.0	146.1	128.3	159.8	103.1	145.3	123.1	123.2	134.5	89.7	117.0	109.2	90.2
Story	140.8	146.3	140.5	155.4	78.0	160.5	122.9	116.3	126.9	85.3	145.1	131.9	32.4
Tama	135.4	130.9	120.5	142.3	81.4	142.5	113.4	122.4	100.9	89.9	137.0	125.0	86.7
Taylor	121.5	112.8	65.2	135.9	61.6	127.8	118.1	96.6	95.5	60.0	109.5	82.3	65.8
Union	123.8	120.7	71.8	143.8	53.3	130.0	124.8	111.0	103.0	67.3	115.9	90.4	40.3
Van Buren	136.4	127.3	92.5	138.2	56.7	135.8	96.0	109.3	65.0	40.4	99.9	105.5	45.8
Wapello	134.1	127.5	99.9	152.3	75.1	140.0	96.6	116.5	105.6	62.7	110.2	116.7	82.6
Warren	143.9	128.4	105.0	154.8	71.6	138.0	112.3	113.1	107.3	83.0	125.7	103.1	27.2
Washington	141.4	126.9	107.2	155.8	80.6	136.7	101.9	130.8	93.1	41.8	116.1	130.5	96.9
Wayne	109.0	133.6	69.1	134.4	41.4	117.9	97.6	95.0	76.0	44.9	109.9	79.9	53.7
Webster	147.3	155.8	148.0	170.8	83.0	164.0	122.0	125.0	149.9	94.1	144.8	130.6	84.3
Winnebago	146.7	137.4	126.8	151.4	67.7	146.9	108.9	139.6	129.2	118.6	139.4	123.2	107.2
Winneshiek	145.7	133.6	122.7	140.2	84.8	125.3	131.1	137.1	120.9	69.1	134.3	108.6	110.6
Woodbury	126.2	132.1	106.7	138.7	91.0	145.0	105.9	113.2	111.9	79.9	121.4	111.5	99.2
Worth	148.4	139.4	127.9	147.3	63.1	137.4	117.8	142.7	130.0	98.9	135.0	126.9	105.0
Wright	144.5	152.1	138.0	156.0	73.9	162.9	111.9	133.9	148.7	111.3	143.2	129.9	104.9
State of Iowa	138.0	138.0	123.0	152.0	80.0	147.0	117.0	126.0	118.0	84.0	130.0	120.0	86.0

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1977, 1982, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Adair	105	96	86	77	77	70	69	66	67	68	63	62	55
Adams	65	53	55	45	45	44	44	42	44	42	44	48	35
Allamakee	21	12	10	8	7	5	5	4	5	6	4	4	2
Appanoose	34	29	38	25	28	25	27	25	26	26	26	29	34
Audubon	105	94	84	77	75	72	73	68	72	70	68	62	42
Benton	156	154	144	141	139	135	134	126	132	130	122	129	100
Black Hawk	119	115	102	102	96	91	99	84	89	85	91	95	80
Boone	135	127	125	124	116	119	121	112	117	116	117	120	109
Bremer	92	80	70	70	65	60	62	53	55	54	55	60	64
Buchanan	113	98	87	85	81	76	75	68	75	70	68	76	73
Buena Vista	155	152	145	145	137	137	145	135	131	131	123	131	120
Butler	124	116	101	99	93	89	101	81	86	88	82	96	91
Calhoun	167	161	159	155	153	149	170	148	152	149	144	143	142
Carroll	146	145	128	124	121	118	114	111	115	117	110	108	91
Cass	111	97	97	92	90	87	87	85	87	84	80	81	63
Cedar	114	110	90	87	82	80	74	74	78	75	70	72	59
Cerro Gordo	131	119	111	112	108	97	112	99	103	100	101	115	103
Cherokee	135	136	122	121	114	112	109	103	106	106	96	96	84
Chickasaw	107	97	81	77	73	67	71	61	63	63	58	71	62
Clarke	29	19	26	22	21	24	27	25	26	25	27	33	24
Clay	143	138	132	129	115	126	129	123	128	130	120	125	114
Clayton	29	24	12	9	8	6	5	4	5	7	7	5	5
Clinton	106	96	84	83	77	77	75	73	77	65	66	66	57
Crawford	151	127	127	115	112	107	114	104	109	106	92	97	69
Dallas	131	140	112	112	108	106	108	101	108	104	102	118	92
Davis	45	33	37	29	28	25	30	28	31	33	36	41	40
Decatur	32	30	34	26	27	24	27	26	31	32	33	41	25
Delaware	64	49	42	39	34	31	28	28	29	28	25	25	25
Des Moines	71	62	72	62	60	60	58	53	58	51	48	55	45
Dickinson	85	86	77	80	72	74	81	71	73	74	73	80	73
Dubuque	23	14	9	8	7	6	5	5	5	5	4	3	1
Emmet	103	94	97	96	82	89	97	89	90	90	89	96	91
Fayette	125	103	89	85	79	74	75	68	68	70	71	76	70
Floyd	115	108	102	101	96	92	95	93	96	96	93	110	91
Franklin	139	124	127	126	122	116	144	116	124	122	117	124	113
Fremont	113	119	117	109	67	105	106	104	105	108	108	115	91
Greene	152	143	147	145	142	141	145	134	143	142	139	139	129
Grundy	138	117	126	127	123	118	123	110	107	104	108	105	89
Guthrie	103	91	86	78	77	75	80	75	79	77	73	74	64
Hamilton	147	135	139	141	133	134	145	128	131	131	127	144	129
Hancock	132	127	120	122	114	112	130	117	122	117	116	131	124
Hardin	131	120	117	118	114	111	124	106	112	111	110	115	94
Harrison	146	135	132	126	122	117	120	118	123	119	108	122	83
Henry	73	65	71	60	57	56	56	55	56	51	52	54	48
Howard	102	86	77	75	71	65	73	66	69	71	67	76	58
Humboldt	121	118	116	113	113	107	136	106	112	107	106	121	107
Ida	101	85	89	85	80	79	77	72	75	75	73	65	52
Iowa	77	70	65	53	53	51	46	45	52	49	46	47	37
Jackson	24	16	12	10	9	8	9	9	10	10	9	9	7
Jasper	136	119	115	109	97	101	103	94	104	102	105	101	72

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1977, 1982, 1987-1997
(continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Jefferson	65	56	70	56	55	53	56	54	60	54	57	60	52
Johnson	80	78	70	65	60	60	58	57	59	55	57	54	53
Jones	72	60	54	50	48	45	45	43	45	43	42	41	32
Keokuk	90	74	85	70	66	64	61	56	64	65	61	67	48
Kossuth	244	237	240	238	223	215	267	229	236	234	235	255	238
Lee	77	63	75	59	52	57	60	53	59	58	60	65	45
Linn	110	100	94	92	89	86	85	82	90	86	85	99	75
Louisa	71	65	69	65	59	61	57	54	59	54	53	56	47
Lucas	27	17	23	18	19	18	21	19	21	22	21	25	19
Lyon	140	138	126	125	113	117	115	113	120	113	109	108	77
Madison	70	69	61	54	57	52	56	52	54	54	49	59	48
Mahaska	97	87	96	84	73	79	78	71	80	81	75	77	65
Marion	74	69	68	61	59	57	59	55	60	57	55	55	42
Marshall	117	100	96	90	88	83	87	79	88	85	85	90	70
Mills	94	92	91	87	67	83	84	80	84	85	84	87	73
Mitchell	100	89	87	86	85	79	83	74	75	75	75	86	73
Monona	139	118	127	118	106	109	116	109	110	112	101	104	85
Monroe	35	31	28	18	20	17	18	18	20	19	20	23	22
Montgomery	90	91	86	75	71	74	75	71	74	72	76	76	63
Muscatine	73	66	66	61	52	58	58	53	57	54	51	53	44
O'Brien	157	145	147	147	139	141	140	135	137	134	127	135	118
Osceola	111	111	109	109	98	102	103	99	106	101	94	99	84
Page	103	95	99	87	85	87	92	90	92	90	90	94	81
Palo Alto	147	144	130	130	117	124	156	126	135	133	132	136	132
Plymouth	185	187	167	165	153	149	152	143	147	136	130	126	91
Pocahontas	167	162	163	160	157	152	168	145	152	148	144	152	151
Polk	89	81	83	82	72	80	80	75	79	77	76	88	84
Pottawattamie	194	174	184	174	166	165	171	162	167	163	158	160	119
Poweshiek	99	74	87	80	81	77	78	72	80	79	80	78	57
Ringgold	51	35	51	38	34	36	40	40	42	43	44	59	38
Sac	149	145	135	132	130	124	131	119	125	123	122	120	97
Scott	70	66	55	55	51	49	46	48	49	41	40	38	38
Shelby	130	110	111	104	101	96	96	92	98	95	88	85	62
Sioux	179	171	156	155	139	142	138	129	137	127	121	111	77
Story	142	133	133	133	126	125	127	121	124	120	121	136	112
Tama	127	111	112	106	106	100	105	96	107	104	105	111	88
Taylor	74	55	71	58	57	53	57	53	56	58	63	67	47
Union	48	44	49	37	36	36	36	32	33	34	31	34	25
Van Buren	48	48	46	37	39	37	39	37	40	38	39	47	37
Wapello	62	46	58	46	42	45	48	45	46	45	46	52	46
Warren	69	59	63	56	54	53	57	49	53	52	50	61	38
Washington	106	97	97	83	77	78	72	69	74	73	70	72	57
Wayne	51	25	51	42	43	37	39	38	40	41	41	50	36
Webster	182	174	181	177	174	171	182	166	176	170	166	178	165
Winnebago	99	90	89	88	85	76	103	84	84	84	84	97	100
Winneshiek	61	34	33	26	24	20	19	16	18	20	18	19	15
Woodbury	155	138	130	114	108	100	106	94	96	93	91	101	71
Worth	92	78	81	82	79	74	80	71	72	72	73	91	78
Wright	165	152	153	154	150	142	171	141	147	142	142	162	144
State of Iowa	10400	9450	9260	8770	8300	8170	8630	7900	8280	8100	7900	8400	7080

Table 5. Estimated Bushels (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1977, 1982, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Adair	4389	3550	2574	3869	2406	2902	2920	2415	2573	1936	2771	2026	1713
Adams	2955	2117	1536	2199	1480	1802	1797	1606	1549	949	1794	1390	1086
Allamakee	871	565	427	396	246	179	212	185	199	175	158	132	80
Appanoose	1597	1059	1107	1029	759	933	834	825	726	610	972	754	1048
Audubon	4765	3934	3714	4058	2595	3223	3255	2742	2955	2276	3049	2274	1382
Benton	7881	7123	6297	7317	4982	5965	5954	5718	5316	3159	5848	5100	3493
Black Hawk	5570	5225	5067	5424	3285	4231	4124	3812	3144	2332	4410	3588	2832
Boone	6016	5870	6110	6503	3766	5473	5044	4529	4851	2771	5426	4727	2602
Bremer	4318	3463	3472	3635	2146	2798	2634	2461	1867	1409	2492	2113	2383
Buchanan	5070	4460	3756	4436	2961	3396	3567	3087	2751	1914	3237	2733	2716
Buena Vista	7545	7012	6934	7602	4168	6370	5786	5588	5777	5074	5280	4901	5157
Butler	5799	5386	4840	4899	2763	4075	4021	3388	2906	2786	3680	3403	3157
Calhoun	7536	7690	7505	8520	4426	6829	6290	5948	6359	5521	6776	5497	4756
Carroll	7003	6260	5818	6542	3832	5443	4679	4545	4468	4352	4943	4047	2782
Cass	4758	3885	3476	4609	2778	3685	3671	3361	3443	2417	3381	2747	2249
Cedar	5896	5201	4085	4893	3175	3586	3674	3636	3675	2573	3267	3072	2524
Cerro Gordo	5840	4787	5013	5353	2615	4076	4213	4374	3258	3395	4376	4120	3832
Cherokee	6696	6204	5768	6333	4247	5223	5300	4702	4664	4540	4300	3735	3467
Chickasaw	4743	3875	4022	3812	2001	2806	2968	2626	2189	1583	2547	2207	2311
Clarke	1417	588	634	984	464	872	948	843	742	646	937	930	714
Clay	6484	6132	5876	6421	2268	5556	5079	5471	5310	4624	5133	4366	4505
Clayton	1371	1142	601	444	284	268	240	192	215	167	321	177	213
Clinton	5436	4609	4100	4531	3020	3616	3514	3637	3554	1836	3098	2787	2468
Crawford	6872	5517	5487	6076	4126	4699	4766	4488	4050	4006	3711	3690	2329
Dallas	5455	6532	4929	5896	3854	4669	4460	4211	4536	2553	4686	4665	2791
Davis	2153	1320	1127	1225	866	1034	1055	1004	737	811	1243	1121	1217
Decatur	1360	1106	969	1215	580	859	1020	813	833	599	1244	1191	761
Delaware	3146	2430	1952	2077	1292	1396	1317	1246	1210	718	1221	932	1004
Des Moines	3562	2680	2603	3162	2328	2707	2424	2406	2204	1726	1870	2188	1796
Dickinson	3669	3931	3312	3829	1185	3014	3181	2948	2988	2485	3014	2756	2460
Dubuque	1149	718	404	399	250	243	217	212	216	140	196	105	55
Emmet	4582	3956	4169	4587	1191	3838	3433	3981	3766	3161	3993	3527	3531
Fayette	5730	4694	4463	4241	2634	3180	3418	3018	2852	2118	3339	2613	2624
Floyd	5213	4597	4872	4800	2919	3950	3816	4175	2669	2867	3997	3668	3443
Franklin	5925	5532	5876	6073	3196	5146	5279	4686	4995	4117	5279	4671	3979
Fremont	5209	4989	3974	5348	2294	4565	4414	3727	3406	3544	4257	3719	3107
Greene	6813	6915	6923	7702	4570	6706	5796	5360	5740	3964	6549	5473	3278
Grundy	6716	5678	6572	6610	4400	5689	5319	4847	4301	3653	5467	4326	3383
Guthrie	4371	3885	3485	4001	2469	3199	3290	2977	3049	2230	3155	2720	2022
Hamilton	6604	6139	6779	7425	3577	6293	5836	5024	6005	3184	5508	5351	3759
Hancock	5672	5354	5308	5452	2863	4631	4459	4757	4492	4166	5012	4861	4644
Hardin	5963	5500	5913	6284	3403	5188	4858	4801	4459	2955	5208	4361	3188
Harrison	6274	6011	4917	6493	4254	5185	4480	4332	3898	3436	4393	4402	3143
Henry	3982	2939	2827	3280	2260	2570	2482	2288	2069	1622	2042	2107	1964
Howard	4318	3341	3524	3516	1583	2218	2818	2653	2554	1689	2803	2239	2137
Humboldt	5535	5406	5579	5674	3053	4977	4927	4815	5182	3709	4915	4721	3875
Ida	4718	3918	4062	4573	3166	3515	3302	3106	3089	2951	2975	2497	2094
Iowa	3956	2964	2484	2781	1767	2063	1965	1814	1927	1089	2092	1697	1279
Jackson	1331	690	487	479	336	331	414	398	413	237	394	346	255
Jasper	6900	5308	5505	5924	3498	4620	4469	4187	4151	3197	4923	3882	2511

Table 5. Estimated Bushels (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1977, 1982, 1987-1997
(continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Jefferson	3068	2332	2581	2878	1910	2256	2269	2055	2032	1295	2185	2010	1849
Johnson	3937	3152	2716	3375	1952	2490	2384	2519	2404	1466	2296	2053	2041
Jones	3705	2806	2347	2617	1770	1943	2182	2054	1712	1022	1956	1682	1296
Keokuk	4572	3174	3430	3734	2479	2657	3009	2343	2372	1698	2706	2569	1824
Kossuth	10724	9956	10548	0625	4875	9183	8436	9667	9671	8762	10656	9655	8601
Lee	3910	2675	2840	3085	1901	2571	2210	1848	1654	1616	2054	2477	1681
Linn	5478	4357	3666	4720	2958	3703	3693	3558	3502	1939	3845	3830	2838
Louisa	3470	2585	2618	3436	2131	2671	2387	2394	2165	1444	1908	2183	1720
Lucas	1233	590	657	769	467	689	734	617	608	612	808	688	538
Lyon	6636	6533	5468	6623	2985	4780	5002	4139	4817	3725	4638	3946	3152
Madison	3022	2575	2212	2880	1587	2258	2227	1953	2092	1325	2125	1889	1286
Mahaska	5060	3562	4108	4653	2803	3445	3590	3088	3127	2346	3287	2972	2550
Marion	3666	2612	2452	3222	2018	2460	2451	2253	2127	1930	2421	1877	1310
Marshall	5947	4922	4862	5045	3167	3936	3897	3609	3855	2343	4318	3520	2003
Mills	4330	3779	3101	4277	2166	3625	3544	3140	2740	2332	3268	2967	2686
Mitchell	4585	3935	4218	3871	1878	3233	3514	3233	2824	2164	3277	2921	2760
Monona	5942	4869	4427	5958	3572	4815	3590	4004	4183	3563	3968	3790	3229
Monroe	1617	1128	832	875	556	622	692	604	556	446	787	606	690
Montgomery	4184	3655	2435	3595	2248	3216	3121	2709	2716	2028	2874	2426	2175
Muscatine	3565	2676	2767	3174	1899	2426	2142	2336	2296	1504	1989	2018	1637
O'Brien	7711	6992	6751	7030	3223	6227	6546	5737	6069	5754	5597	4682	4778
Osceola	4930	4880	4756	5019	1838	4104	4608	4084	4236	3774	4109	3609	3368
Page	4916	4031	2776	3841	2661	3756	3624	3310	3001	2028	3353	2835	2665
Palo Alto	6542	6219	5679	5889	2201	5524	4997	5699	5392	4761	5810	5102	4806
Plymouth	8444	8506	7569	8937	6305	6711	6900	6460	5725	4368	5610	4833	3333
Pocahontas	7811	7504	7677	8079	3964	6823	5998	5453	6554	5423	5586	5823	5744
Polk	4099	3632	4087	4480	2458	3583	3240	3031	3229	1981	3536	3388	2528
Pottawattamie	8846	7567	7116	9159	6071	7385	7251	6624	5320	4477	6492	5938	4589
Poweshiek	5020	3258	3583	4320	2737	3300	3481	3091	3073	1940	3685	2951	2038
Ringgold	2133	1168	1269	1832	831	1345	1408	1151	1344	988	1604	1534	1173
Sac	6967	6367	6228	7304	4969	5652	5082	4954	5300	4852	5366	4475	3603
Scott	3736	3275	2707	3148	2171	2317	2350	2308	2303	1475	1930	1638	1568
Shelby	6350	4997	5027	5483	3686	4233	4288	3871	3809	2918	3796	3269	2269
Sioux	8868	8587	7367	8721	5030	6425	6715	5722	6210	5180	5495	4276	3074
Story	6812	6316	6484	7124	4035	5839	5114	4968	5151	2898	5734	5248	2473
Tama	6442	5128	5197	5622	3752	4352	4582	4214	4114	3597	5056	4138	3216
Taylor	3181	1843	1708	2803	1666	2024	1981	1532	1638	1149	2192	1794	1376
Union	2110	1555	1134	1734	964	1410	1464	1224	1120	773	1253	943	730
Van Buren	2424	1888	1545	1707	1249	1542	1461	1237	1127	918	1398	1506	1069
Wapello	3102	1857	2238	2307	1494	1898	2041	1623	1620	1293	1866	1722	1680
Warren	3278	2241	2234	2889	1393	2249	2144	1941	1807	1562	2092	1846	1118
Washington	5302	4242	3993	4678	3019	3464	3509	3075	2941	2121	3064	2945	2180
Wayne	2245	899	1430	1796	1056	1303	1338	1110	1118	952	1542	1311	1138
Webster	8251	8170	9089	9272	4683	7743	7330	6350	7925	4751	7443	7012	5750
Winnebago	4275	3528	3707	3820	1869	3022	3392	3398	3035	2900	3274	3351	3710
Winneshiek	2530	1435	1542	1265	728	710	797	698	678	510	767	588	535
Woodbury	6449	5637	4933	5715	3735	4446	3570	3684	3914	2823	3666	3731	2621
Worth	4112	3282	3667	3565	1820	2930	2889	3038	2847	2384	3092	3152	2755
Wright	6929	6736	7168	7388	3789	6392	6402	6175	6585	5018	6194	6226	5488
State of Iowa	483600	415800	398180	447270	257300	359480	349515	327850	322920	251100	343650	306600	251340

Table 6. Estimated Bushels of Soybeans Harvested Per Acre in Iowa's Counties, 1977, 1982, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Adair	42.0	37.1	30.0	50.3	31.4	41.6	42.4	36.7	38.4	28.6	43.9	32.7	31.4
Adams	45.2	40.0	28.0	49.0	33.1	41.1	40.8	38.5	35.5	22.6	40.8	29.3	31.0
Allamakee	40.9	47.1	42.7	49.5	35.7	37.3	43.3	42.0	42.3	29.7	43.9	33.0	38.1
Appanoose	47.4	36.6	29.4	41.3	27.4	37.5	31.0	33.0	28.0	23.4	38.0	26.0	30.7
Audubon	45.3	41.9	44.4	52.8	34.7	44.8	44.9	40.1	40.9	32.3	44.8	36.7	33.3
Benton	50.6	46.4	43.6	52.0	35.8	44.3	44.6	45.4	40.3	24.2	47.8	39.7	35.1
Black Hawk	46.8	45.5	49.5	53.4	34.3	46.6	41.7	45.3	35.4	27.4	48.5	37.8	35.5
Boone	44.6	46.3	49.0	52.5	32.6	46.1	41.7	40.3	41.5	24.0	46.5	39.5	24.0
Bremer	46.9	43.3	49.7	52.1	32.9	46.7	42.6	46.9	34.2	26.0	45.3	35.3	37.4
Buchanan	44.7	45.6	43.3	52.3	36.4	44.8	47.3	45.4	36.8	27.4	47.7	36.2	37.2
Buena Vista	48.7	46.3	48.0	52.5	30.4	46.6	39.8	41.4	44.2	38.9	43.0	37.3	43.2
Butler	46.7	46.5	48.1	49.6	29.9	45.9	40.0	41.6	33.9	31.5	45.0	35.5	34.7
Calhoun	45.3	47.9	47.1	55.1	28.9	45.9	37.0	40.2	41.8	37.0	46.9	38.3	33.4
Carroll	48.0	43.1	45.6	52.8	31.8	46.2	41.0	40.8	38.9	37.4	45.1	37.5	30.7
Cass	42.8	40.1	35.8	50.3	31.0	42.6	42.1	39.4	39.8	28.7	42.5	33.8	35.9
Cedar	51.7	47.1	45.6	56.4	38.7	45.1	50.0	49.0	46.9	34.5	46.7	42.8	42.5
Cerro Gordo	44.5	40.3	45.3	48.0	24.2	42.2	37.5	44.0	31.5	34.1	43.5	35.9	37.1
Cherokee	49.6	45.8	47.4	52.5	37.4	46.7	48.6	45.5	44.0	43.0	44.7	38.9	41.3
Chickasaw	44.3	39.8	49.8	49.7	27.3	42.1	42.1	42.8	34.9	25.0	43.7	31.1	37.2
Clarke	48.2	31.1	24.2	44.9	21.7	36.5	34.9	34.3	28.4	25.8	35.1	27.8	30.1
Clay	45.4	44.5	44.7	49.9	19.7	44.2	39.4	44.3	41.5	35.7	43.0	35.0	39.5
Clayton	47.0	48.0	50.1	49.9	35.9	44.7	45.3	43.6	43.9	24.2	45.9	34.0	42.6
Clinton	51.2	48.3	49.0	54.7	39.3	47.0	47.2	49.8	46.2	28.1	46.8	42.0	43.7
Crawford	45.6	43.5	43.3	53.0	36.8	44.0	42.0	43.2	37.2	38.0	40.3	38.1	33.7
Dallas	41.6	46.6	44.2	52.7	35.7	44.0	41.2	41.7	42.0	24.6	46.1	39.7	30.3
Davis	48.3	40.2	30.5	42.4	30.5	41.5	35.8	35.4	24.0	24.6	34.4	27.4	30.2
Decatur	42.8	37.0	28.2	46.9	21.7	35.6	37.2	31.4	27.2	19.0	38.2	28.8	30.9
Delaware	49.2	49.7	46.6	53.4	37.8	45.2	46.9	45.3	41.4	26.0	49.0	37.6	40.2
Des Moines	49.9	43.3	36.3	51.2	39.0	45.2	41.9	45.1	38.0	34.2	39.2	40.0	39.9
Dickinson	43.0	45.8	43.1	48.0	16.5	40.8	39.5	41.5	40.7	33.6	41.3	34.5	33.9
Dubuque	49.3	51.3	44.9	49.9	36.2	40.5	45.2	47.1	40.0	26.9	49.0	37.5	39.3
Emmet	44.4	42.2	43.1	47.9	14.6	43.2	35.2	44.6	41.7	35.0	45.0	36.9	38.7
Fayette	45.9	45.7	50.3	50.0	33.3	43.1	45.5	44.7	41.8	30.1	47.1	34.4	37.8
Floyd	45.4	42.6	47.6	47.7	30.4	43.0	40.0	44.8	27.7	29.9	43.1	33.4	37.8
Franklin	42.6	44.7	46.4	48.4	26.1	44.5	36.7	40.5	40.3	33.7	45.2	37.6	35.4
Fremont	46.1	42.1	34.1	49.2	34.2	43.6	41.6	35.8	32.3	32.7	39.6	32.5	34.3
Greene	44.9	48.5	47.2	53.2	32.3	47.6	40.1	40.0	40.2	27.8	47.0	39.5	25.5
Grundy	48.7	48.6	52.2	52.0	35.7	48.3	43.4	44.2	40.2	35.3	50.8	41.4	38.0
Guthrie	42.6	42.6	40.8	51.4	32.2	42.7	41.3	39.9	38.7	28.9	43.5	36.7	31.4
Hamilton	45.0	45.6	48.6	52.8	26.9	47.1	40.1	39.1	45.9	24.4	43.5	37.1	29.1
Hancock	43.1	42.3	44.3	44.6	25.1	41.4	34.2	40.5	36.8	35.5	43.1	37.0	37.5
Hardin	45.4	45.9	50.6	53.4	29.9	46.9	39.2	45.4	39.9	26.7	47.5	38.1	33.8
Harrison	43.0	44.6	37.3	51.6	34.9	44.4	37.3	36.6	31.8	29.0	40.9	36.2	37.9
Henry	54.3	45.3	39.9	54.8	39.8	46.0	44.2	41.8	36.7	32.0	39.0	39.2	41.0
Howard	42.3	38.9	45.9	46.9	22.4	34.0	38.6	40.5	37.2	23.9	42.0	29.6	36.8
Humboldt	45.7	46.0	48.2	50.1	27.0	46.6	36.3	45.3	46.3	34.8	46.5	39.2	36.1
Ida	46.6	46.1	45.7	53.9	39.4	44.6	43.1	43.1	41.1	39.4	40.8	38.7	40.5
Iowa	51.2	42.5	38.3	52.7	33.2	40.6	43.0	40.5	37.3	22.3	45.4	36.3	34.5
Jackson	55.9	43.1	40.6	48.4	39.1	41.9	47.0	45.2	40.1	23.5	43.8	37.6	37.0
Jasper	50.8	44.7	48.0	54.4	36.0	45.8	43.5	44.6	40.0	31.5	46.8	38.5	34.9

Table 6. Estimated Bushels of Soybeans Harvested Per Acre in Iowa's Counties, 1977, 1982, 1987-1997
(continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1982	1977
Jefferson	46.9	41.8	37.0	51.6	34.9	42.6	40.4	38.0	34.0	24.0	38.3	33.5	35.7
Johnson	49.0	40.7	39.0	52.0	32.3	41.6	41.4	44.6	40.5	26.6	40.6	37.9	38.9
Jones	51.2	46.8	43.6	52.4	36.6	43.4	48.5	48.1	38.2	23.5	46.6	41.0	40.9
Keokuk	50.7	43.0	40.5	53.5	37.4	41.8	49.2	42.0	37.1	26.0	44.3	38.2	38.4
Kossuth	44.0	42.1	44.0	44.6	21.9	42.8	31.5	42.3	41.0	37.4	45.3	37.8	36.2
Lee	50.6	42.7	38.1	52.5	36.5	45.2	37.0	34.6	27.9	28.1	34.0	37.9	37.6
Linn	49.8	43.7	39.1	51.5	33.2	43.2	43.4	43.4	38.9	22.4	45.1	38.6	37.8
Louisa	48.7	39.8	38.1	53.0	36.3	43.9	41.7	44.4	37.0	26.6	36.1	39.0	36.9
Lucas	46.0	35.1	28.3	43.0	24.1	38.5	34.8	32.3	28.4	28.3	37.8	27.3	28.8
Lyon	47.4	47.5	43.5	53.2	26.5	40.9	43.6	36.5	40.2	33.1	42.4	36.7	40.8
Madison	43.0	37.5	36.3	53.4	27.9	43.8	39.6	37.8	38.6	24.6	43.3	32.1	26.9
Mahaska	52.1	41.1	43.0	55.5	38.2	43.4	45.8	43.3	39.2	28.9	43.8	38.4	39.0
Marion	49.3	38.0	36.3	52.9	34.2	43.5	41.8	41.1	35.7	33.7	43.8	34.1	31.5
Marshall	50.8	49.3	50.8	56.2	36.0	47.5	44.9	45.7	43.9	27.5	50.8	39.1	28.8
Mills	46.0	40.9	34.2	49.3	32.3	43.8	42.2	39.1	32.6	27.4	38.8	34.1	36.7
Mitchell	45.8	44.4	48.6	45.1	22.1	41.0	42.2	43.6	37.8	29.0	43.7	34.0	37.7
Monona	42.8	41.3	34.9	50.6	33.7	44.2	31.0	36.6	38.2	32.0	39.5	36.4	38.2
Monroe	46.6	37.0	29.8	48.6	28.4	37.0	38.0	33.4	28.5	23.2	39.5	26.0	31.7
Montgomery	46.4	40.3	28.5	48.1	31.5	43.6	41.9	38.2	36.5	28.4	38.0	31.9	34.4
Muscatine	48.6	40.7	42.2	52.2	36.7	41.9	37.0	44.1	40.0	28.0	39.0	38.1	36.9
O'Brien	49.0	48.3	46.1	47.9	23.2	44.3	46.7	42.4	44.4	43.1	44.2	34.6	40.4
Osceola	44.4	44.0	43.8	46.2	18.8	40.3	44.7	41.2	40.0	37.5	43.6	36.6	40.2
Page	47.9	42.5	28.2	44.3	31.3	43.3	39.3	36.9	32.8	22.5	37.2	30.3	32.7
Palo Alto	44.7	43.3	43.6	45.4	18.9	44.7	32.0	45.2	40.0	35.9	44.2	37.6	36.4
Plymouth	45.7	45.5	45.2	54.3	41.2	45.2	45.3	45.3	39.0	32.0	43.1	38.5	36.8
Pocahontas	46.9	46.4	47.2	50.6	25.2	44.9	35.7	37.5	43.1	36.5	38.7	38.4	38.1
Polk	46.0	45.0	49.3	54.9	34.4	44.9	40.4	40.3	40.8	25.7	46.3	38.3	30.3
Pottawattamie	45.5	43.4	38.7	52.5	36.5	44.7	42.4	40.9	32.0	27.4	41.1	37.2	38.7
Poweshiek	50.7	44.1	41.2	54.1	34.0	43.0	44.8	43.1	38.5	24.5	46.2	37.8	35.6
Ringgold	42.2	33.9	25.1	48.3	24.5	37.6	35.0	28.9	32.3	22.9	36.5	26.0	31.0
Sac	46.9	44.0	46.2	55.5	38.1	45.7	38.8	41.5	42.5	39.3	43.9	37.4	37.1
Scott	53.2	49.8	49.4	57.3	42.9	47.5	50.6	48.1	47.4	35.9	47.8	43.0	41.4
Shelby	48.8	45.4	45.4	52.8	36.5	44.1	44.9	41.9	39.1	30.9	42.9	38.5	36.9
Sioux	49.7	50.2	47.4	56.2	36.2	45.4	48.8	44.4	45.4	40.7	45.6	38.5	40.0
Story	47.9	47.3	48.8	53.6	32.0	46.9	40.3	41.1	41.6	24.1	47.5	38.6	22.2
Tama	50.8	46.3	46.5	53.1	35.4	43.7	43.8	44.0	38.4	34.8	48.3	37.4	36.5
Taylor	42.8	33.8	24.0	48.4	29.1	38.6	34.8	29.1	29.2	19.9	35.0	26.9	29.5
Union	44.3	35.5	23.2	47.0	26.6	39.5	40.9	38.6	33.6	23.1	40.7	27.9	28.9
Van Buren	50.2	39.5	33.7	46.4	32.0	41.9	37.2	33.8	28.5	24.4	36.0	31.8	29.2
Wapello	50.0	40.5	38.7	50.3	35.7	42.2	42.7	36.3	34.9	28.7	40.5	33.2	36.2
Warren	47.3	37.8	35.3	51.7	26.0	42.4	37.5	39.7	34.4	30.1	41.8	30.5	29.1
Washington	50.0	43.8	41.4	56.5	39.1	44.5	48.9	44.8	39.9	29.0	44.1	41.1	38.4
Wayne	44.4	36.1	28.3	42.9	24.8	35.4	34.1	28.9	27.8	23.2	38.0	26.0	31.4
Webster	45.3	47.1	50.3	52.3	27.0	45.4	40.3	38.3	45.1	27.9	44.9	39.4	34.8
Winnebago	43.1	39.3	41.8	43.5	21.9	39.8	32.8	40.6	36.0	34.5	39.2	34.6	37.2
Winneshiek	41.5	42.3	46.9	49.4	31.0	35.5	41.5	43.4	37.7	25.6	43.6	31.6	35.2
Woodbury	41.7	41.0	38.0	50.3	34.7	44.5	33.8	39.4	40.9	30.3	40.5	37.1	37.0
Worth	44.6	42.2	45.4	43.6	23.1	39.8	36.3	42.8	39.5	33.0	42.5	34.8	35.5
Wright	42.1	44.4	46.7	48.1	25.3	44.9	37.4	43.7	44.8	35.3	43.7	38.5	38.0
State of Iowa	46.5	44.0	43.0	51.0	31.0	44.0	40.5	41.5	39.0	31.0	43.5	36.5	35.5

1977; more than 10.4 million acres were harvested in 1997, which was nearly a million acres more than any other year.

Because of the increase in acres, it is not surprising that 1997 also was the year in which the greatest number of bushels of soybeans was harvested. The 484 million bushels produced that year were substantially more than the previous high of 447 million in 1994 (Table 5). Of the years noted in Table 5, the 1993 yield of 257 million bushels was smaller than all but the harvests in 1977 and 1988.

The record number of bushels produced in 1997, however, did not provide a yield per acre that matched the high of 51.0 in 1994 (Table 6, Figure 2). The average number of bushels of soybeans harvested per acre was 46.5 in 1997, the second highest among the years noted in Table 6. Yields in 1988 and 1993 averaged 31.0 bushels per acre, the lowest reported among the years examined. As with corn, the 1993-1994 period produced both the highest and lowest yields.

Soybean production varies across counties, of course (Tables 4, 5, 6). The average number of bushels produced in 1997 was at least 51.5 bushels per acre, a figure 5 above that for the state, in 5 counties (Cedar, Henry, Jackson, Mahaska, Scott). No county harvested fewer than 40 bushels of soybeans per acre in 1997 (Figure 4).

Concluding Comment

The number of acres of corn harvested for grain surpassed that of soybeans in each year reported (Tables 1, 4; Figure 1). In nine of the eleven most recent years, however, corn acreage harvested for grain has exceeded that for soybeans by fewer than four million acres. In 1997, the difference was less than 2 million acres for the first time since 1983.

Note: For information on corn silage, oats, wheat, alfalfa hay, and all hay, contact the Iowa Department of Agriculture and Land Stewardship (Iowa Agricultural Statistics, Room 833, 210 Walnut, Des Moines, IA 50309; 515-284-4340). Data for the years 1990-1997 are available on one page per crop per year. For earlier periods, request IOWA CROP COUNTY ESTIMATES: HISTORICAL SERIES: 1975-1989 (\$4.00; make checks payable to the Iowa Department of Agriculture). Historical data from 1950-1977 are available as well, although the original publication is out of print. Some libraries have a copy, and one is available through loan from Iowa Agricultural Statistics. These publications also include data on the number of farms, acres of land in farms, and average farm size in acres.

Figure 1. Estimated acres of corn and soybeans harvested for grain in Iowa, 1977-1997.

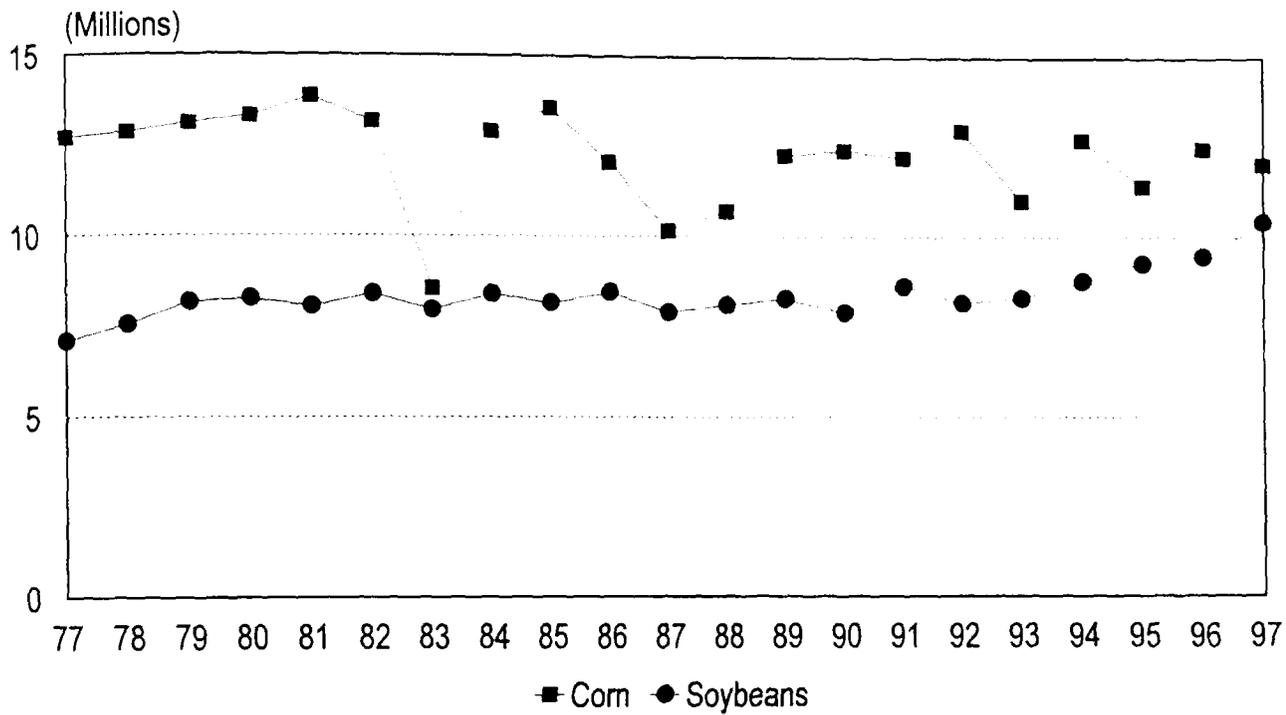


Figure 2. Estimated bushels of corn and soybeans harvested for grain per acre in Iowa, 1977-1997.

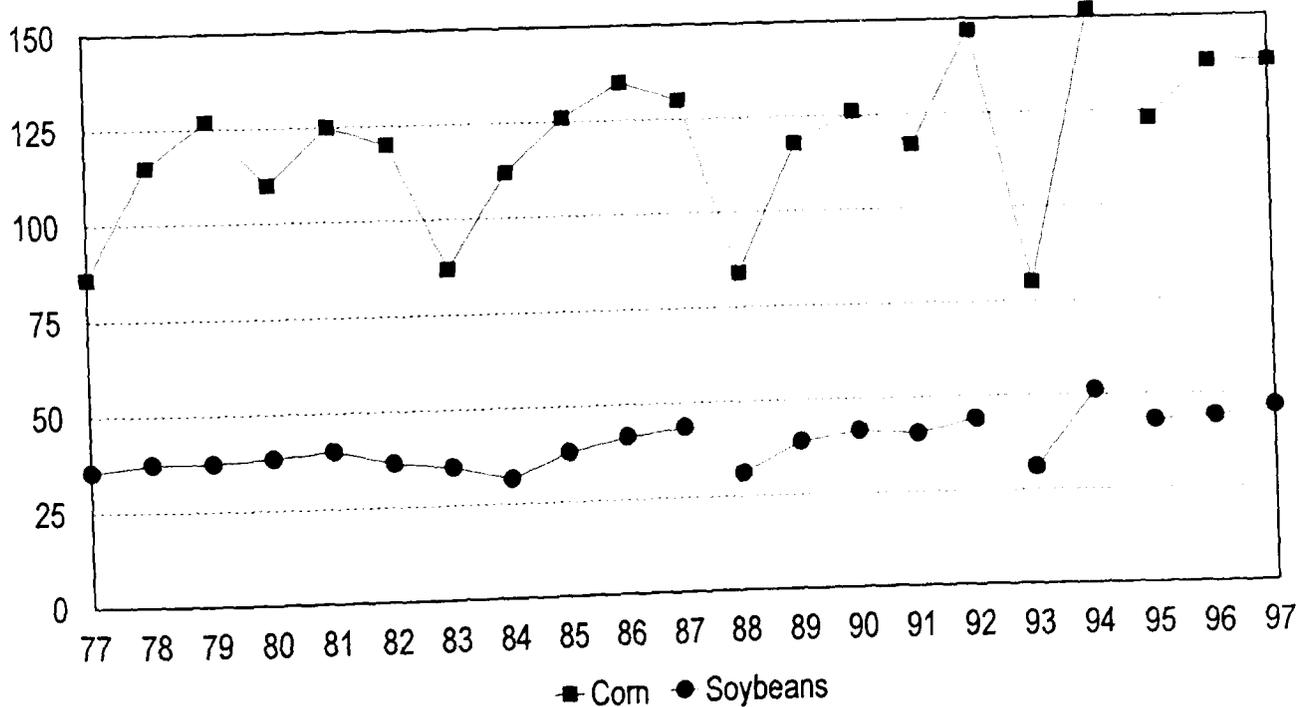


Figure 3. Estimated bushels of corn harvested for grain per acre, 1997.

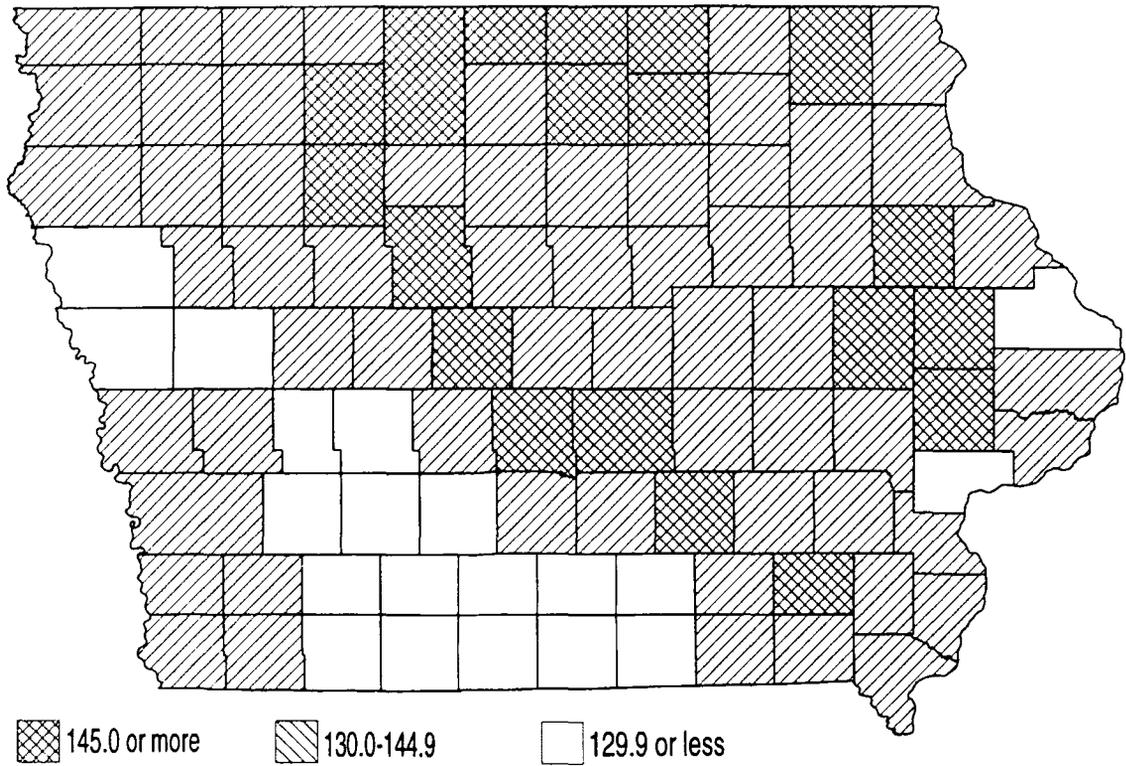
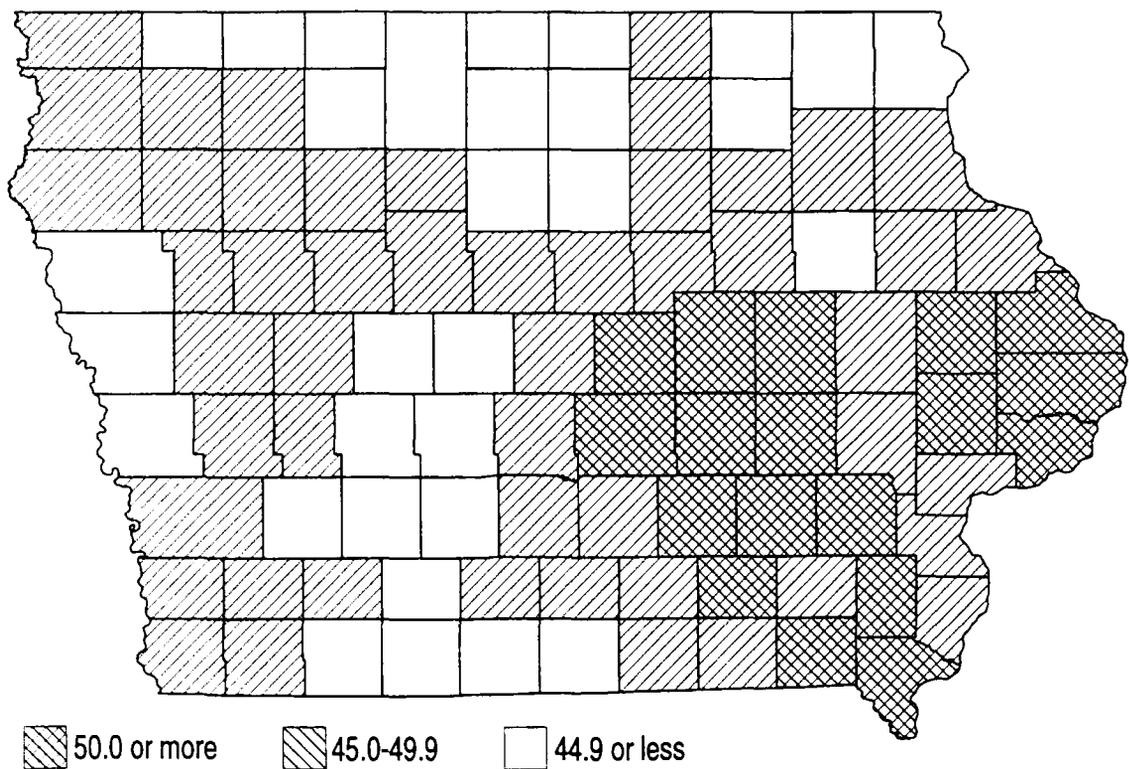


Figure 4. Estimated bushels of soybeans per acre, 1997.



Vehicles Registered in Iowa's Counties: 1987-1997

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

The Iowa Department of Transportation is charged with keeping records of vehicles registered in the State of Iowa. The two categories with the greatest numbers of vehicles are those for autos (Table 1) (60.2% of all registered) and trucks (Table 2) (23.3% of all registered) in 1997. The total number of vehicles listed for the state was 3,421,633 in 1997, an increase of 237,511 from the 3,184,122 reported in 1987 (Table 3). The total includes buses, motor homes, motorcycles, mopeds, semi-trailers, regular trailers, travel trailers, truck tractors, and miscellaneous vehicles in addition to autos and trucks.

The number of autos registered in 1997 was 121,950 higher than the number reported in 1987. In 1997, an all-time high was reached when 2,058,000 autos were registered (Figure 1). The number of truck registrations also reached a new high in 1997 (797,000). When 1987 and 1997 were compared, trucks increased by nearly 113,000 (Figure 2).

Fewer than 10,000 automobiles were registered in 41 counties in 1997; more than 50,000 were recorded in eight others. Linn, Polk, and Scott were the only counties with more than 100,000; five (Adams, Audubon, Ringgold, Taylor, Wayne) were under 5,000. Twenty-one counties had fewer automobile registrations in 1997 than in 1987. Gains of 1,000 or more occurred in 27 counties; three of these increased by at least 10,000 (Johnson, Linn, Polk).

Truck registrations also varied by county in 1997, with 44 reporting fewer than 5,000 and 19 with more than 10,000. Increases between 1987 and 1997 ranged from less than 500 in 31 counties to more than 1,000 in 32 others. Gains of at least 3,000 occurred in Black Hawk, Johnson, Linn, Polk, Scott, and Woodbury. Only Adams County had fewer trucks in 1997 than in 1987.

Total vehicle registrations in 1997 ranged widely across the state. Polk's total of 379,466 was more than twice the number in every county except Linn (199,915). Black Hawk, Pottawattamie, Scott, and Woodbury also had at least 100,000 registered vehicles. Five counties reported fewer than 10,000 vehicles, although only two (Adams, Ringgold) were under 9,000. Between 1987 and 1997, six counties had declines in the total number of vehicles registered; the decrease was greater than 1,000 only in Pottawattamie. Gains exceeded 10,000 in Johnson, Linn, Polk, and Woodbury.

Note: See an annual publication called VEHICLE FLEET SUMMARY for more detailed information on vehicles (Iowa Department of Transportation, Office of Vehicle Registration, Park Fair Mall, 100 Euclid Ave., Des Moines, IA 50306-9204).

Table 1. Automobile Registrations in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	5675	5617	5566	5509	5480	5503	5504	5451	5382	5309	5540
Adams	3221	3146	3163	3221	3285	3250	3271	3293	3308	3338	3601
Allamakee	9954	9574	9263	9154	9210	9192	9049	8963	8796	8598	9274
Appanoose	9903	9701	9659	9629	9534	9394	9229	9085	8867	8732	9425
Audubon	4765	4707	4640	4568	4591	4638	4670	4694	4695	4637	4984
Benton	17133	16583	16285	15992	15792	15494	15326	15087	14782	14359	14853
Black Hawk	88066	86694	86744	86043	85562	84951	84421	82961	81398	79951	84389
Boone	18344	18117	17896	17683	17686	17571	17393	17081	16938	16661	17293
Bremer	16256	15889	15816	15676	15581	15477	15436	15269	15025	14625	15240
Buchanan	13718	13417	13365	13293	13144	13095	12995	12872	12646	12402	13204
Buena Vista	13954	13682	13607	13434	13397	13388	13249	13059	12812	12570	13263
Butler	11380	11283	11291	11101	11126	11112	11051	10983	10812	10648	10910
Calhoun	8048	7994	7929	7906	7901	7825	7802	7851	7808	7763	8027
Carroll	15121	14789	14637	14369	14364	14245	13950	13871	13686	13560	14212
Cass	10667	10411	10450	10350	10455	10440	10440	10502	10434	10389	11269
Cedar	12936	12617	12505	12354	12278	12259	12070	11901	11699	11401	11605
Cerro Gordo	34344	33875	33797	33365	32870	32717	32675	32535	32338	31705	33118
Cherokee	10087	9967	10026	10046	10072	9906	9887	9726	9594	9476	10159
Chickasaw	9721	9573	9527	9498	9491	9530	9504	9345	9225	9089	9611
Clarke	5964	5770	5775	5694	5532	5494	5425	5363	5317	5292	5567
Clay	13276	12900	12783	12660	12502	12531	12406	12314	12086	11901	12391
Clayton	13218	12698	12636	12363	12209	12235	12049	11876	11590	11460	12300
Clinton	35864	35412	34862	34567	34321	34276	33943	33369	32714	32297	36608
Crawford	11612	11248	11224	11093	11171	11101	11040	10940	10881	10879	11990
Dallas	24790	23831	23088	22770	22048	21603	21032	20756	20272	19907	20412
Davis	5450	5350	5302	5358	5285	5227	5295	5266	5248	5141	6211
Decatur	5217	5093	5084	5022	4992	4993	5033	5060	4947	4832	5016
Delaware	12628	12184	12112	11958	11793	11671	11644	11554	11473	11279	11533
Des Moines	30112	29629	29875	29713	29514	29760	29594	29344	28853	28472	31200
Dickinson	12325	12041	11772	11568	11475	11311	11062	10512	10310	10161	10468
Dubuque	60931	58959	59313	58651	57570	57192	56199	54753	53979	53065	59065
Emmet	8081	7978	8006	7993	7981	7997	7911	7799	7646	7530	8126
Fayette	15431	15185	15218	15062	14890	14846	14776	14701	14463	14106	14820
Floyd	12189	12216	12177	12119	12115	11984	11928	11869	11824	11630	12487
Franklin	8343	8229	8203	8086	7996	8001	7916	7952	7845	7767	8038
Fremont	5809	5724	5847	5819	5870	5870	5775	5686	5541	5472	5849
Greene	7568	7369	7253	7117	7141	7130	7111	7065	7072	7017	7409
Grundy	8983	8921	8837	8718	8640	8642	8565	8507	8398	8327	8577
Guthrie	8247	8127	8071	7887	7839	7747	7554	7474	7363	7262	7336
Hamilton	11865	11804	11781	11747	11636	11531	11485	11433	11340	11245	11649
Hancock	8847	8653	8546	8409	8417	8465	8477	8560	8526	8398	8564
Hardin	13679	13510	13511	13427	13161	13116	13110	13075	12890	12789	13787
Harrison	11379	10863	10896	10668	10715	10543	10414	10261	9911	9881	11400
Henry	12899	12554	12583	12363	12287	12083	12081	11806	11479	11265	12122
Howard	7380	7181	7106	7026	6926	6871	6898	6710	6539	6452	6897
Humboldt	7963	7823	7781	7676	7736	7664	7660	7673	7601	7478	7820
Ida	5898	5815	5847	5803	5760	5783	5691	5755	5628	5557	5749
Iowa	11067	10777	10793	10575	10440	10392	10160	9977	9878	9651	9975
Jackson	14373	13883	13729	13725	13443	13401	13335	13195	12807	12667	13935
Jasper	25216	24963	24846	24523	24673	24568	24348	24278	23919	23521	24134

Table 1. Automobile Registrations in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	11803	11590	11657	11623	11565	11511	11462	11380	10957	10796	11989
Johnson	64522	61711	61177	59697	58305	57125	55877	54317	52539	50609	51472
Jones	13544	13011	13101	12901	12766	12632	12494	12340	12151	11815	12269
Keokuk	7933	7826	7843	7789	7733	7711	7778	7732	7704	7606	7920
Kossuth	13061	12919	13017	12915	12930	12965	13042	13205	13137	13050	13571
Lee	26840	26076	26498	26424	26316	26282	26158	25860	25439	25100	27928
Linn	134841	132164	129855	127723	125930	123789	122551	119665	117698	115005	119389
Louisa	8358	8153	8161	8030	7993	7940	7834	7612	7504	7301	7418
Lucas	6232	6128	6001	6049	6004	5950	5967	5943	5847	5781	6081
Lyon	8876	8651	8385	8358	8279	8205	8050	7850	7696	7590	8355
Madison	9196	9028	8753	8551	8450	8344	8286	8163	7999	7859	7863
Mahaska	14976	14719	14556	14428	14361	14169	14102	13905	13672	13442	14192
Marion	21346	20720	20512	20272	19823	19465	19065	18872	18495	18077	18722
Marshall	27840	27518	27738	27533	27176	27112	27095	26867	26584	26154	26982
Mills	10517	10132	9754	9403	9407	9269	8916	8728	8513	8343	8826
Mitchell	7988	7828	7720	7715	7685	7668	7624	7569	7435	7215	7866
Monona	7272	7115	7130	7038	7108	7039	6857	6796	6681	6561	6837
Monroe	5898	5735	5721	5549	5569	5457	5336	5359	5318	5339	5556
Montgomery	8540	8243	8339	8384	8370	8234	8188	8244	8169	7996	8476
Muscatine	29079	28494	28471	28357	28049	27874	27414	26746	26135	25507	27298
O'Brien	11270	11016	10870	10755	10636	10558	10463	10376	10146	10056	10876
Osceola	5184	5139	5118	5054	5058	5098	5007	4859	4823	4800	5015
Page	11522	11226	11357	11228	11169	11136	11000	11098	11013	10694	11452
Palo Alto	7136	7012	6933	6908	6911	6936	6914	6904	6848	6851	7203
Plymouth	17580	16826	16504	16247	16189	15937	15547	15117	14777	14491	16698
Pocahontas	6605	6477	6486	6424	6580	6535	6593	6702	6705	6717	6963
Polk	267779	260254	255650	252631	248409	243786	239108	234947	228496	222361	240456
Pottawattamie	66427	64488	63214	62540	62575	62209	61339	60328	59648	59082	72252
Poweshiek	12483	12283	12266	12090	12027	12056	12045	12017	11867	11626	12287
Ringgold	3663	3519	3534	3478	3546	3557	3551	3562	3450	3367	3576
Sac	8343	8252	8245	8172	8199	8190	8166	8237	8180	8040	8379
Scott	119273	113825	114810	113090	109503	110807	107668	106397	103022	107838	114677
Shelby	9431	9193	9115	9133	9018	9048	8999	9027	9008	8976	9323
Sioux	20092	19458	19207	18904	18606	18191	17700	17346	16916	16675	18075
Story	47249	46045	45331	44396	43977	43414	42777	41938	41213	40186	41202
Tama	12646	12521	12618	12364	12161	11917	11837	11808	11717	11385	11830
Taylor	4870	4712	4753	4716	4684	4690	4710	4697	4723	4651	4856
Union	8868	8666	8705	8609	8631	8636	8622	8658	8498	8309	8667
Van Buren	5323	5171	5193	5148	5067	5019	5006	5000	4930	4811	5224
Wapello	25354	24859	24949	24992	25023	24656	24247	23878	23674	23098	24198
Warren	26263	25814	25373	25198	25053	24568	24309	23992	23474	23011	23398
Washington	13982	13631	13486	13286	13183	13130	12949	12871	12562	12301	12748
Wayne	4899	4766	4796	4755	4717	4651	4703	4658	4594	4574	4844
Webster	28121	27594	27681	27687	27613	27454	27295	27252	27019	26499	27790
Winnebago	8887	8737	8706	8739	8684	8630	8620	8658	8579	8757	8942
Winneshiek	13622	13297	13138	13010	12958	12851	12814	12583	12414	12148	12938
Woodbury	74925	73359	72437	70188	69254	67924	66535	64862	63111	61681	66746
Worth	5971	5929	5862	5817	5683	5750	5705	5696	5694	5631	5843
Wright	10356	10210	10215	10139	9834	9756	9758	9780	9730	9657	9910
Official	11266	10665	10980	10548	10172	9925	9698	9516	9189	9112	9115
Unknown	357	334	343	327	323	353	356	386	412	349	451
State of Iowa	2058306	2007365	1993287	1968663	1947159	1930124	1905976	1879715	1844690	1816794	1936356

Table 2. Truck Registrations in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	3578	3525	3484	3417	3411	3407	3335	3314	3280	3261	3315
Adams	2094	2042	2047	2043	2032	2003	1988	2032	2038	2023	2127
Allamakee	4853	4671	4541	4548	4488	4439	4329	4296	4172	4094	4263
Appanoose	5143	4970	4931	4774	4700	4568	4508	4417	4329	4225	4425
Audubon	2805	2693	2658	2622	2598	2615	2625	2645	2596	2566	2654
Benton	8314	7979	7664	7469	7259	7089	6967	6784	6600	6494	6639
Black Hawk	25472	24648	24120	23704	23117	22705	22288	21816	21233	20823	21862
Boone	7973	7745	7468	7326	7148	6982	6815	6624	6523	6375	6391
Bremer	6677	6518	6377	6182	6023	5947	5855	5767	5649	5554	5655
Buchanan	6530	6293	6196	6007	5887	5824	5747	5622	5515	5402	5596
Buena Vista	5812	5637	5460	5377	5283	5212	5158	5049	4980	4938	5135
Butler	5607	5433	5265	5070	5016	4965	4908	4805	4745	4736	4845
Calhoun	3795	3764	3708	3573	3530	3519	3553	3553	3509	3459	3518
Carroll	6846	6608	6377	6257	6173	6028	5927	5862	5773	5666	5935
Cass	5581	5398	5267	5172	5135	5091	5034	5022	4929	4786	5208
Cedar	6359	6033	5887	5804	5672	5534	5478	5328	5274	5210	5276
Cerro Gordo	11026	10565	10298	10073	9807	9700	9638	9542	9383	9157	9676
Cherokee	4797	4630	4554	4497	4380	4312	4300	4226	4161	4117	4218
Chickasaw	4487	4321	4085	3990	3902	3852	3827	3816	3732	3636	3942
Clarke	3216	3077	3014	2949	2902	2864	2837	2812	2772	2743	2818
Clay	5335	5167	4960	4815	4698	4677	4595	4606	4486	4357	4504
Clayton	6772	6556	6434	6378	6293	6201	6126	5987	5950	5820	6105
Clinton	13273	12904	12444	12100	11748	11643	11496	11225	10899	10694	11643
Crawford	5917	5753	5785	5661	5638	5559	5510	5441	5398	5306	5540
Dallas	9622	9367	9123	8895	8725	8501	8397	8271	8074	7878	7919
Davis	3373	3196	3139	3074	3000	2911	2868	2833	2783	2699	2861
Decatur	3137	3018	2962	2929	2918	2873	2868	2896	2830	2702	2795
Delaware	5925	5678	5541	5354	5269	5127	5092	4952	4866	4777	4821
Des Moines	11399	11123	10941	10662	10344	10197	10106	9855	9595	9402	10032
Dickinson	4879	4715	4595	4453	4357	4185	4070	3969	3830	3764	3851
Dubuque	17204	16587	16376	15801	15143	14748	14418	14155	13810	13488	15001
Emmet	3867	3673	3569	3490	3433	3377	3314	3236	3201	3178	3335
Fayette	6809	6682	6463	6369	6197	6106	6039	5977	5850	5688	5911
Floyd	5393	5259	5134	5054	4921	4869	4794	4693	4607	4550	4861
Franklin	4014	3901	3796	3744	3676	3629	3579	3561	3564	3567	3573
Fremont	3764	3583	3585	3531	3536	3492	3433	3310	3286	3240	3345
Greene	4000	3938	3896	3885	3828	3707	3650	3550	3520	3479	3607
Grundy	4241	4101	4024	3861	3803	3742	3730	3613	3566	3532	3645
Guthrie	4313	4208	4069	3963	3921	3812	3788	3680	3624	3566	3625
Hamilton	5362	5205	5082	4938	4788	4693	4658	4667	4644	4592	4688
Hancock	4184	4036	3904	3802	3735	3674	3703	3696	3622	3593	3839
Hardin	6289	6091	5919	5769	5602	5504	5393	5353	5288	5225	5381
Harrison	6357	6093	5907	5761	5707	5584	5443	5328	5177	5148	5567
Henry	6405	6083	6072	6007	5833	5709	5638	5532	5384	5297	5527
Howard	3547	3409	3336	3256	3185	3086	3081	3029	3004	2972	3163
Humboldt	3561	3454	3384	3346	3283	3273	3307	3351	3308	3234	3277
Ida	3190	3078	2998	2959	2969	2939	2919	2934	2843	2804	2846
Iowa	5904	5583	5406	5273	5150	5046	5006	4909	4813	4690	4761
Jackson	6745	6470	6329	6102	5925	5849	5780	5671	5480	5411	5826
Jasper	10695	10449	10214	10002	9744	9643	9540	9512	9344	9156	9317

Table 2. Truck Registrations in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	4719	4609	4554	4493	4406	4330	4232	4152	4080	4023	4389
Johnson	16485	15801	15530	14871	14364	13879	13494	13223	12913	12522	12741
Jones	6303	6093	5925	5890	5758	5607	5521	5439	5362	5270	5440
Keokuk	4653	4509	4395	4381	4277	4243	4181	4165	4146	4094	4296
Kossuth	6146	5944	5825	5771	5675	5628	5616	5684	5573	5464	5652
Lee	11864	11373	11300	10924	10564	10399	10155	9962	9736	9659	10366
Linn	38457	37085	35999	34939	33564	32610	31757	31069	30316	29545	29985
Louisa	4547	4435	4391	4225	4152	4109	4013	3945	3865	3862	3925
Lucas	3450	3327	3266	3225	3223	3197	3140	3076	3011	2890	3038
Lyon	4102	3967	3804	3786	3780	3713	3700	3634	3507	3409	3710
Madison	5198	5001	4851	4772	4650	4563	4549	4480	4371	4244	4281
Mahaska	7373	7110	6854	6718	6522	6396	6309	6224	6042	5908	6157
Marion	9408	9115	8870	8738	8515	8376	8157	7933	7775	7584	7779
Marshall	10617	10296	10090	10019	9616	9485	9388	9243	8988	8855	9140
Mills	5391	5124	4873	4684	4531	4433	4314	4188	4127	4052	4192
Mitchell	3910	3789	3648	3572	3509	3420	3378	3338	3243	3185	3331
Monona	4244	4143	4097	4090	4128	4062	3993	4000	3921	3867	4000
Monroe	3110	2991	2909	2893	2787	2791	2731	2695	2617	2610	2720
Montgomery	4377	4217	4149	4135	4124	4087	3991	3955	3892	3788	3876
Muscatine	11659	11214	10957	10822	10547	10377	10077	9937	9627	9308	9697
O'Brien	4804	4647	4450	4314	4286	4240	4183	4179	4100	4083	4258
Osceola	2767	2673	2603	2586	2529	2575	2529	2469	2466	2403	2381
Page	5728	5460	5364	5274	5166	5025	4972	4885	4790	4754	4982
Palo Alto	3532	3384	3354	3281	3219	3186	3164	3117	3104	3117	3193
Plymouth	7766	7381	7230	7039	6800	6746	6588	6435	6207	6166	6788
Pocahontas	3188	3151	3025	2984	2987	2992	3010	3023	3012	2944	2981
Polk	67824	64241	61942	60410	58475	56562	55441	54131	52148	50747	54567
Pottawattamie	24631	23613	22946	22455	22075	21848	21615	21515	21345	21104	23316
Poweshiek	6630	6363	6179	6036	5962	5893	5778	5708	5655	5594	5910
Ringgold	2466	2374	2344	2272	2244	2234	2237	2221	2199	2163	2236
Sac	4474	4387	4261	4157	4120	4098	4055	4015	3915	3843	3927
Scott	31305	29387	28875	28197	27325	27429	26601	25978	24869	25615	26778
Shelby	4945	4767	4714	4615	4574	4543	4478	4426	4324	4278	4383
Sioux	8671	8281	8033	7892	7752	7625	7431	7242	6993	6866	7259
Story	13310	12888	12483	12079	11822	11510	11281	11072	10837	10558	10837
Tama	6574	6359	6352	6259	6090	5949	5847	5782	5673	5599	5741
Taylor	2913	2816	2745	2701	2620	2580	2556	2580	2579	2587	2657
Union	4488	4332	4262	4190	4142	4054	3990	3955	3806	3734	3808
Van Buren	3306	3164	3116	3065	3035	2966	2848	2806	2781	2734	2895
Wapello	10334	10013	9730	9629	9399	9190	9028	8717	8551	8413	8797
Warren	10821	10447	10206	9907	9547	9331	9170	8970	8795	8558	8719
Washington	6718	6414	6247	6101	5932	5789	5768	5647	5547	5494	5545
Wayne	2988	2899	2838	2789	2770	2728	2691	2665	2568	2540	2640
Webster	10802	10361	10060	9899	9697	9578	9421	9351	9216	9051	9608
Winnebago	3843	3802	3725	3785	3686	3639	3560	3589	3555	3560	3531
Winneshiek	6462	6123	6030	5977	5904	5838	5718	5710	5564	5574	5888
Woodbury	23670	22782	22138	21391	20916	20381	20063	19790	19577	18919	20184
Worth	3012	2951	2856	2798	2740	2724	2694	2676	2657	2606	2721
Wright	4593	4463	4311	4209	4085	4129	4120	4067	4043	3983	4179
Official	22259	21900	22779	22474	22278	22280	22077	21842	21439	21197	20358
Unknown	185	295	392	455	502	534	529	541	617	672	175
State of Iowa	797463	768171	750665	734256	717203	704913	693597	682570	667883	656669	684621

Table 3. Total Vehicle Registrations in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	11416	11253	11112	10922	10870	10851	10755	10680	10619	10562	10986
Adams	6458	6305	6258	6245	6270	6208	6265	6359	6355	6359	6788
Allamakee	18505	17863	17347	17129	17042	16940	16696	16529	16163	15825	16924
Appanoose	18197	17694	17600	17394	17168	16820	16528	16300	15972	15762	16907
Audubon	9375	9084	8936	8791	8792	8798	8850	8868	8773	8684	9260
Benton	31276	30072	29431	28238	27561	27130	26652	26174	25611	25260	26004
Black Hawk	134113	131446	130666	129355	128149	127164	126134	124398	122376	120719	128643
Boone	32322	31690	30981	29844	29536	29219	28816	28337	28225	27813	28668
Bremer	28697	27981	27622	27174	26873	26605	26426	26149	25735	25223	26178
Buchanan	25391	24644	24424	24053	23740	23706	23471	23147	22766	22338	23531
Buena Vista	24433	23881	23507	23218	23067	22979	22788	22511	22256	21951	23161
Butler	21584	21157	20888	20414	20294	20210	20059	19868	19604	19415	20156
Calhoun	14919	14781	14637	14426	14372	14265	14235	14278	14180	14089	14585
Carroll	26433	25686	25166	24651	24540	24231	23888	23642	23355	23134	25182
Cass	19793	19277	19138	18947	18971	18908	18840	18873	18709	18538	20177
Cedar	23916	23090	22601	21803	21565	21310	21042	20746	20506	20136	20494
Cerro Gordo	54488	53287	52606	51783	50865	50595	50479	50205	49918	49090	51520
Cherokee	18648	18247	18246	18204	18064	17764	17735	17456	17220	17035	18105
Chickasaw	18315	17829	17393	17129	16971	16962	16837	16616	16350	16035	17068
Clarke	11062	10628	10531	10368	10109	10004	9933	9845	9764	9632	10108
Clay	23363	22669	22156	21370	20974	20926	20653	20490	20071	19736	20533
Clayton	25080	24213	23961	23569	23218	23145	22872	22541	22152	21754	22980
Clinton	58929	57900	56758	55994	55399	55319	54829	54044	53050	52504	58395
Crawford	21289	20649	20602	20306	20305	20143	20039	19849	19819	19728	21505
Dallas	41248	39807	38592	37261	36296	35581	34872	34476	33796	33230	33898
Davis	10702	10318	10173	10137	9948	9754	9759	9696	9606	9380	10695
Decatur	10281	9951	9858	9712	9624	9572	9614	9632	9441	9211	9682
Delaware	22720	21848	21596	21132	20772	20405	20320	20032	19805	19445	19968
Des Moines	49946	49116	49081	48541	47978	48167	47924	47567	46907	46567	50853
Dickinson	22574	21838	21257	20692	20390	19963	19499	18732	18333	18011	18586
Dubuque	90641	87502	87520	86000	83988	83241	81919	80167	79147	77964	87274
Emmet	15355	14985	14867	14718	14612	14571	14380	14164	13944	13735	14810
Fayette	27475	27059	26790	26470	26074	25875	25734	25531	25146	24633	25818
Floyd	22101	21914	21636	21402	21220	20965	20741	20535	20369	20139	21568
Franklin	15499	15182	14919	14376	14161	14094	13980	14010	13938	13892	14307
Fremont	11608	11197	11272	11097	11077	10967	10752	10499	10313	10156	10816
Greene	14550	14158	13934	13738	13669	13517	13435	13280	13287	13219	13955
Grundy	16737	16436	16216	15872	15692	15594	15519	15319	15146	15084	15628
Guthrie	15701	15344	14967	14634	14468	14257	14001	13780	13591	13398	13677
Hamilton	21847	21513	21159	20821	20450	20248	20191	20075	19990	19866	20709
Hancock	16804	16334	15990	15619	15451	15417	15486	15528	15440	15230	15840
Hardin	24890	24422	24229	23967	23404	23226	23119	23099	22877	22901	24427
Harrison	21330	20311	19807	19076	18929	18602	18337	18064	17524	17476	19568
Henry	23462	22636	22625	22283	22007	21618	21508	21063	20556	20339	21898
Howard	13716	13287	13068	12849	12618	12384	12360	12082	11875	11722	12484
Humboldt	14972	14608	14450	14226	14199	14054	14070	14069	13860	13604	14272
Ida	11484	11195	11094	10952	10896	10867	10754	10813	10546	10367	10874
Iowa	20565	19891	19663	19140	18811	18546	18294	17996	17751	17377	17869
Jackson	26026	25104	24718	24328	23770	23585	23376	23123	22478	22235	24159
Jasper	43937	43309	42900	42133	41884	41605	41264	41205	40702	40160	41408

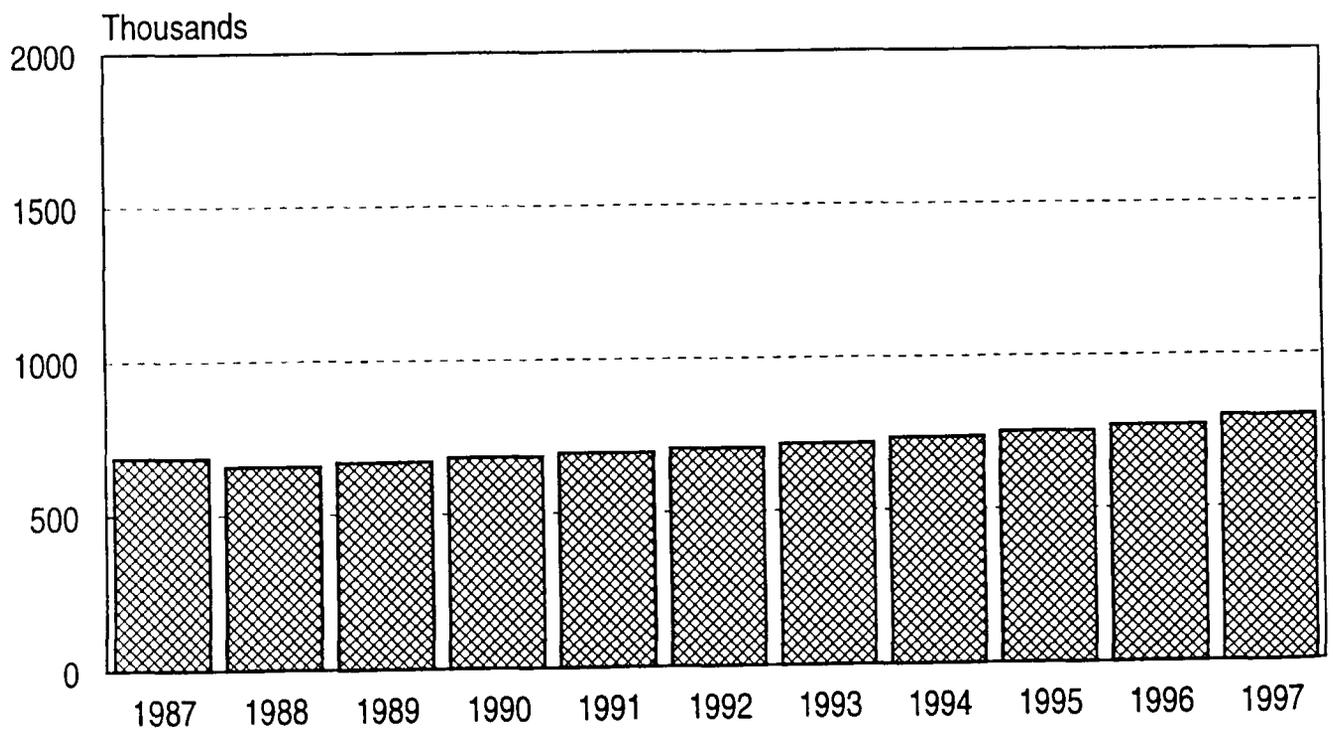
Table 3. Total Vehicle Registrations in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	19800	19427	19419	19303	19061	18884	18748	18604	18046	17757	19683
Johnson	92975	89030	87988	85519	83470	81727	80092	78101	75896	73576	75562
Jones	24293	23322	23139	22823	22503	22168	21913	21621	21273	20780	21688
Keokuk	15380	15064	14906	14771	14541	14463	14450	14436	14422	14299	15039
Kossuth	24168	23591	23429	23194	23070	23039	23144	23337	23130	22931	24012
Lee	46127	44539	44281	43493	42978	42883	42420	41999	41420	41087	45114
Linn	199915	195148	191293	187753	184363	181401	179232	175588	173052	170348	176984
Louisa	15975	15609	15536	15170	15027	14920	14720	14426	14174	13970	14245
Lucas	12021	11676	11473	11454	11327	11236	11176	11103	10934	10749	11475
Lyon	16370	15860	15336	15244	15161	15032	14798	14457	14171	13891	15281
Madison	17562	17068	16592	16225	15852	15639	15562	15274	14960	14716	14870
Mahaska	27558	26935	26416	26104	25774	25416	25232	25015	24606	24278	25725
Marion	37449	36302	35668	35089	34292	33810	33092	32638	32035	31355	32594
Marshall	46104	45175	45054	44642	43792	43700	43686	43401	43012	42538	44225
Mills	18811	18014	17224	16613	16373	16122	15608	15279	14917	14645	15489
Mitchell	14855	14483	14149	13980	13819	13673	13569	13453	13199	12885	13847
Monona	14093	13728	13616	13477	13483	13336	13115	13080	12860	12629	13109
Monroe	11045	10709	10540	10286	10101	9969	9732	9696	9538	9563	10004
Montgomery	15545	14966	14843	14599	14569	14413	14210	14250	14089	13821	14440
Muscatine	49347	48182	47847	47521	46946	46730	45973	45198	44277	43346	45919
O'Brien	20642	20099	19657	19376	19161	19004	18833	18682	18321	18144	20082
Osceola	10256	10005	9884	9738	9639	9743	9540	9314	9234	9145	9454
Page	20598	19940	19978	19684	19390	19189	18970	18971	18825	18488	19767
Palo Alto	13237	12866	12733	12599	12509	12450	12391	12335	12286	12331	13002
Plymouth	31533	30139	29456	28764	28237	27778	27083	26395	25693	25320	28580
Pocahontas	12558	12300	12190	12028	12192	12130	12125	12282	12265	12191	12677
Polk	379466	365218	358001	352882	345987	339445	333645	328135	319830	312489	351074
Pottawattamie	103817	100498	98376	97080	96718	96388	95455	94355	93458	92728	110509
Poweshiek	23857	23210	22866	22453	22273	22220	22068	21976	21750	21492	22710
Ringgold	7550	7268	7233	7072	7105	7125	7117	7097	6930	6816	7146
Sac	16109	15793	15558	15319	15252	15186	15103	15126	14944	14710	15244
Scott	170340	162216	162538	159941	155230	156817	152714	150730	146623	152901	162968
Shelby	17577	16996	16772	16602	16464	16474	16299	16263	16083	16123	16779
Sioux	37052	35581	34843	34247	33675	33026	32119	31511	30674	30149	32484
Story	70224	68342	67106	65674	64996	64186	63297	62339	61417	60110	61273
Tama	23502	23044	23079	22696	22388	21987	21781	21660	21457	21007	21929
Taylor	9476	9130	9095	9013	8850	8791	8832	8827	8867	8853	9334
Union	16261	15854	15799	15607	15566	15524	15469	15456	15141	14878	15444
Van Buren	10736	10404	10324	10208	10037	9886	9679	9581	9440	9260	9932
Wapello	42887	41894	41578	41458	41205	40555	39963	39235	38979	38349	40229
Warren	44494	43477	42662	42095	41411	40644	40202	39740	39170	38500	39472
Washington	25174	24378	23981	23578	23157	22964	22757	22508	22170	21915	22679
Wayne	9486	9226	9169	9078	8985	8893	8877	8814	8628	8640	9259
Webster	46666	45467	45074	44715	44338	44024	43540	43377	43037	42383	45987
Winnebago	16194	15830	15631	15760	15489	15384	15270	15325	15193	15376	15672
Winneshiek	24275	23428	23133	22830	22655	22449	22248	21934	21578	21404	22856
Woodbury	113642	110784	108762	105318	103638	101624	100127	98031	96166	94182	103417
Worth	11440	11241	10954	10786	10544	10565	10458	10388	10366	10211	10643
Wright	18985	18506	18237	17667	17178	17084	17243	17099	17098	17055	17619
Official	49445	47888	50376	49144	48047	47680	46850	45861	44837	44081	42349
Unknown	588	699	872	841	896	966	968	1092	1167	1396	1346
State of Iowa	3421633	3321140	3279614	3224016	3176817	3145619	3107525	3067837	3017555	2980454	3184122

Figure 1. Automobile registrations in Iowa, 1987-1997.



Figure 2. Truck registrations in Iowa, 1987-1997.



Outstanding Obligations of Iowa's Counties:

1987-1998

Willis Goudy, Iowa State University
Ma En-hua, Iowa State University

The Treasurer's Office of the State of Iowa initiated a series of reports on outstanding obligations by governmental units in 1988. These reports list outstanding debt as of a selected date (30 September for 1988 and earlier; 30 June for 1990 and later) for the state, cities, counties, school districts, state agencies, and other units of government. Obligations for Iowa's 99 counties totaled \$168 million in 1998, an amount significantly higher than the \$115 million listed in 1987 (Table 1, Figure 1). The proportion of total state debt attributed solely to county government is relatively small; it amounted to 3.2% of the nearly \$5.3 billion of outstanding debt in 1998. Far greater shares are held by cities (44.1%), schools (including area education agencies, community colleges, and the Board of Regents) (35.9%), state authorities (10.4%), and state agencies (5.6%).

The total obligations outstanding at a specified date are noted for counties in Table 1. In 1998, Polk's obligations of \$31.9 million alone accounted for 18.9 percent of the total county obligations in the state; the addition of \$19.9 million in Black Hawk, \$17.5 million in Lee, \$10.4 million in Scott, and \$12.4 million in Wapello raised this to 54.7%. These were the only counties with debts greater than \$10 million in 1998 among the 95 that provided information.

When the number of counties reporting debt increased between 1991 and 1992, so did the total value of those obligations (Figure 1). Debt ranged from \$107 million to \$126 million in 1991 and earlier. In 1992, however, the total was nearly \$153 million, while it was \$164 million in 1993. The total declined slightly to \$156 million in 1994, increased to \$174 million in 1995 and 1996, then fell again to \$145 million in 1997 before increasing to \$168 million in 1998.

The total county obligations reported in Table 1 include several subtypes. General obligations, which are backed by the "full faith and credit" of the county and are paid from property tax levies, general revenues, and borrowings, accounted for 64.0 percent of the total county obligations outstanding as of 1998. The only other classification that accounted for at least 10 percent of the total included those called revenue obligations (20.4% of the total); other classes of obligations were general funds, leases, special assessments, tax allocations, and those not listed elsewhere.

Caution is urged in examining these figures. They vary dramatically across counties from year to year. Changes in state laws and in financing strategies determined within counties contribute to the volatility of these numbers. So do different reporting habits observed in Iowa's 99 counties.

Note: More detailed data from 1987 through 1998 are available in publications entitled "Outstanding Obligations Report;" they can be obtained from the Treasurer's Office of the State of Iowa, State Capitol Building, Des Moines, IA 50319, or from the State Library of Iowa, Old Historical Building, East 12th and Grand, Des Moines, IA 50319.

Table 1. Outstanding Obligations (\$) of Iowa's Counties, 1987-1998.

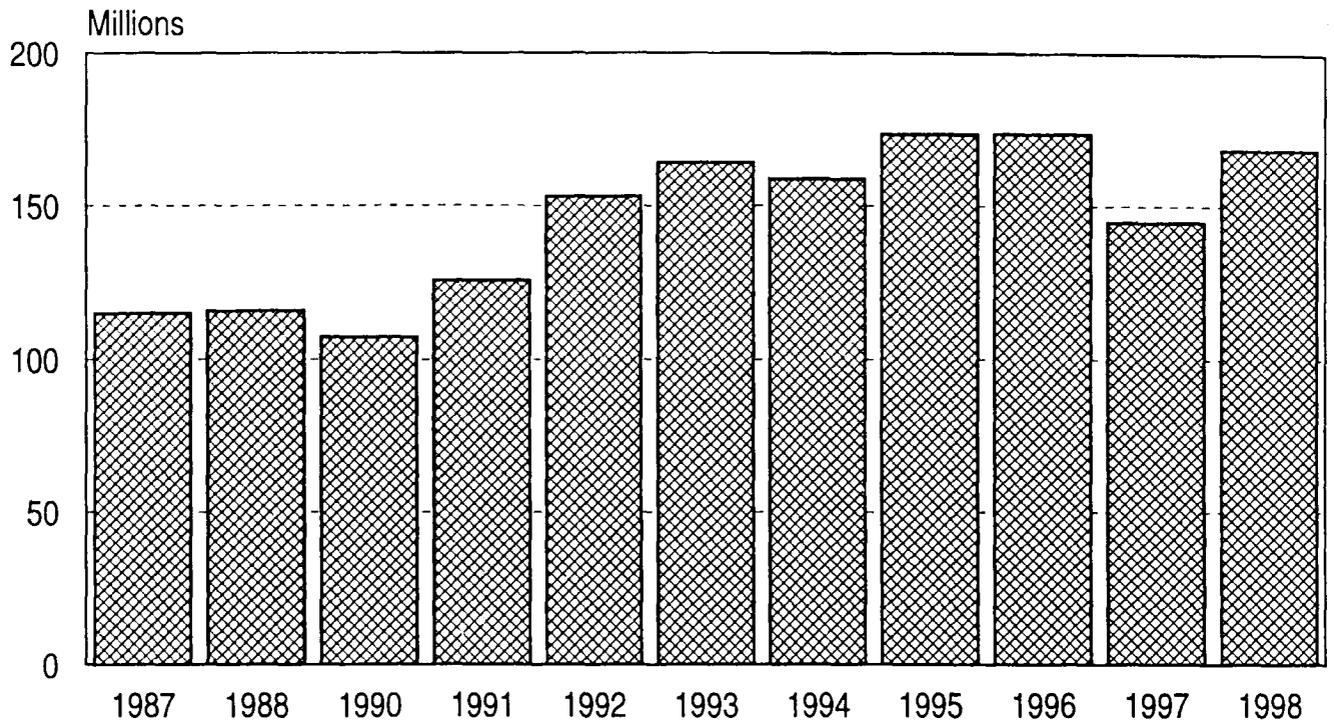
County	30 June 1998	30 June 1997	30 June 1996	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990	30 Sept 1988	30 Sept 1987
Adair	0	62531	124100	186348	251270	303776	402144	0	0	0	0
Adams	400000	32494	64125	95071	*	139965	169893	0	0	281496	0
Allamakee	75277	124948	147269	168438	193290	212619	231028	0	0	0	0
Appanoose	0	0	0	0	0	0	0	0	0	0	0
Audubon	2395000	2585000	2750000	300000	0	0	0	0	0	0	0
Benton	670000	755000	130000	0	190000	190000	380000	700000	675000	945000	1065000
Black Hawk	19906668	21383240	22737383	16775000	19925000	24220000	24500000	25215000	11395000	8185000	4500000
Boone	0	0	0	0	0	0	0	0	0	9031	0
Bremer	0	0	0	0	0	83919	123599	0	0	0	0
Buchanan	567500	0	0	0	0	1373	1373	112373	3235	5000	5000
Buena Vista	6990000	1240000	1360143	1620000	1880669	2135120	2375732	2611465	2828416	1200961	378315
Butler	220000	35000	683319	60000	0	0	0	0	0	0	0
Calhoun	182528	265636	333099	374610	255624	307128	365762	0	434683	0	0
Carroll	905770	1135116	781849	983498	1095346	1259293	1370765	600000	0	4000	8000
Cass	0	56521	111062	389923	223942	280959	348287	0	0	240000	380891
Cedar	951953	1088324	1219027	1339061	1458649	1581932	1681932	0	0	0	0
Cerro Gordo	655000	885000	973744	1449458	1390016	3604275	930805	334343	0	0	0
Cherokee	0	0	0	*	*	0	0	0	0	0	0
Chickasaw	0	0	0	0	0	0	0	0	0	*	*
Clarke	2732814	3025284	2830060	2780492	2069321	2150596	278980	0	0	0	0
Clay	0	0	0	0	0	0	0	0	0	0	0
Clayton	180000	230000	280000	325000	370000	410000	450000	450000	0	0	0
Clinton	0	0	0	0	3100	2008100	12800	17200	21300	313700	452000
Crawford	73453	89530	104662	118848	139024	158254	158254	0	0	0	40000
Dallas	1530000	3260000	3535000	1995000	*	2010000	2109000	2190000	4725000	2905000	3150000
Davis	159995	427997	415015	470709	231288	318550	434305	170000	549270	335000	405000
Decatur	0	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	86955	177778
Des Moines	270000	0	0	0	0	0	0	0	0	0	0
Dickinson	825000	85281	168415	250300	315459	389669	397068	0	0	0	0
Dubuque	0	0	0	0	0	0	0	0	0	0	250000
Emmet	0	0	0	0	0	0	0	0	0	0	0
Fayette	0	0	0	*	0	0	0	0	*	0	0
Floyd	845000	1100000	1340000	0	0	0	0	0	0	0	0
Franklin	0	25000	50000	75000	100000	120000	140000	0	0	0	97042
Fremont	0	0	0	41732	102132	128500	31521	159400	222137	29183	34000
Greene	2376600	2375000	2475000	2565000	2650000	2917964	2938617	0	110000	420000	420000
Grundy	428301	576144	716986	822806	844098	835725	251027	0	45000	0	0
Guthrie	220000	220000	220000	235000	240000	260000	270000	280000	290000	0	0
Hamilton	50000	75000	95000	115000	135000	155000	170000	185000	200000	0	0
Hancock	0	0	0	0	0	0	0	0	0	0	0
Hardin	5350000	400000	0	0	*	0	0	0	0	0	0
Harrison	2160000	2200000	2200000	2000000	400000	0	0	0	0	0	0
Henry	20000	180000	310000	455000	590000	765000	865000	955000	1160000	2065000	2275000
Howard	*	89382	89382	98537	113075	135151	135151	0	0	145000	210000
Humboldt	0	*	0	*	0	0	0	0	0	80000	80000
Ida	0	51172	98248	147934	187157	228624	278048	0	0	15000	30000
Iowa	25000	45000	75000	258501	105000	306028	261028	50000	55000	0	0
Jackson	0	523710	587859	863803	1125263	1368014	1606720	1415000	1575000	1875000	2005000
Jasper	385000	415000	445000	651383	181383	349098	504175	647566	0	0	0

*No data listed in the annual reports or data not reported by the deadline.

Table 1. Outstanding Obligations (\$) of Iowa's Counties, 1987-1998 (continued).

County	30 June 1998	30 June 1997	30 June 1996	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990	30 Sept 1988	30 Sept 1987
Jefferson	327500	302000	329500	355500	367500	0	0	0	0	0	0
Johnson	*	145151	145151	183625	183625	201988	219476	0	0	0	200000
Jones	112591	160430	363385	385131	*	242579	210000	0	0	0	0
Keokuk	780000	815000	985000	325000	115000	60000	60000	135000	150000	0	0
Kossuth	225000	325000	425000	525000	600000	675000	750000	800000	850000	0	0
Lee	17474500	19049000	19232500	18590000	8630000	1805000	7975000	2270000	2085000	655000	685000
Linn	*	*	6546765	6405421	4978951	4978951	5922442	5182112	5908338	13800000	14100000
Louisa	0	0	0	0	0	10260	12540	14820	17100	85520	147800
Lucas	0	*	*	0	*	0	0	0	0	1545000	1545000
Lyon	0	0	0	0	0	0	0	0	0	0	0
Madison	922847	994517	960000	1005000	745000	885000	1000000	315000	430000	630000	725000
Mahaska	2874268	3357580	714751	836281	956670	1067971	895000	975000	0	0	0
Marion	0	137897	277572	420864	580171	722307	779429	0	0	0	0
Marshall	2850000	2600000	0	0	0	0	0	0	0	570000	860000
Mills	3875	152349	289117	431315	575710	809648	815904	0	0	0	0
Mitchell	260639	55789	145760	253857	361952	475855	532326	413606	673134	205000	265000
Monona	0	88914	176968	267780	362809	442804	488802	519392	631915	581733	0
Monroe	1930000	2165000	820000	970000	1105000	1235000	1355000	1455000	515000	580000	610000
Montgomery	0	0	0	0	0	0	0	0	0	0	0
Muscatine	0	*	0	0	375000	750000	1050000	1645000	1649803	2177100	2410000
O'Brien	0	0	0	0	0	0	0	0	0	0	0
Osceola	237342	283115	327192	369575	410262	449254	0	0	0	0	0
Page	490000	575000	655000	730000	805000	875000	0	0	0	0	0
Palo Alto	0	0	0	0	0	0	0	0	0	0	0
Plymouth	785000	946201	183393	271345	360393	454307	492885	0	0	0	0
Pocahontas	112591	137236	154632	182176	202955	152237	242579	0	0	0	0
Polk	31925000	26930000	56270000	63280000	63895000	67350000	58135000	51470000	50525000	8570130	9900000
Pottawattamie	*	*	*	*	0	0	0	105900	*	825000	825000
Poweshiek	104106	352116	479249	378867	455455	265682	315682	95000	135000	205000	235000
Ringgold	0	64588	124112	175976	227861	283425	332663	0	0	0	30000
Sac	161393	253670	342463	429804	554498	613316	358780	0	447014	0	0
Scott	10420000	11175000	11895000	12560000	5885000	6255000	2735000	3160000	*	3795000	3795000
Shelby	119462	142501	164687	186019	206499	235511	0	0	0	0	0
Sioux	0	0	0	0	0	0	0	0	0	0	0
Story	0	0	1260000	1470000	1670000	1930000	2183333	2213494	*	0	0
Tama	220000	320000	415000	500000	580000	650000	720000	785000	850000	370000	210000
Taylor	0	0	0	*	*	20000	40000	60000	80000	110000	125000
Union	1650000	215000	315000	410000	515000	480000	555000	680000	680000	830000	0
Van Buren	2256224	2300000	2600000	0	0	0	0	0	*	0	0
Wapello	12409827	1862817	2048476	2116276	1864721	934899	1198532	456570	0	0	0
Warren	4610000	961760	1055843	1492520	1695357	422992	488669	0	0	0	0
Washington	4253816	880000	1138734	1388196	1265562	1429000	962510	1046936	614866	0	0
Wayne	40000	175000	175000	175000	254000	200000	225000	245000	0	0	0
Webster	2585000	2865000	460000	1525000	1765000	2315000	2315000	2740000	5472000	6525000	7020000
Winnebago	4956665	5564665	5471341	5946894	6424743	5481753	5189681	2162685	0	*	*
Winneshiek	112970	141579	141579	337444	177525	194720	0	0	0	0	0
Woodbury	5077000	6616000	8144000	9568000	9307965	9100000	9730000	10010000	10675000	53939300	54650000
Worth	59335	70779	81798	92394	102566	116976	0	0	0	0	0
Wright	732046	789088	875186	961202	1055471	250000	465000	475000	475000	600000	655000
State of Iowa	168504884	144652547	173639901	173512914	158754472	164156067	152924247	125522862	107153211	115739109	114955826

Figure 1. Outstanding obligations in Iowa's counties, 1987-1998.



Lottery Sales in Iowa's Counties: 1993-1997

Willis Goudy, Iowa State University

When county figures were summed for fiscal year 1997 (July 1996 through June 1997), lottery sales in Iowa totaled \$171 million (Table 1). Included in the total are instant ticket, super cash, multistate, daily millions, dream draw, pull tab, and \$100,000 cash game sales. According to the most recent annual report of the Iowa Lottery, sales dropped by more than \$40 million from 1993 to 1997.

Sales varied considerably across Iowa's counties, although caution is urged in interpreting these figures because lottery purchases are made not only by residents living in a particular county. Less than a half million dollars in sales were noted in 23 counties; in eight (Adams, Davis, Decatur, Ida, Osceola, Ringgold, Taylor, Van Buren) of these, sales of less than a quarter of a million dollars occurred. In 43 of Iowa's 99 counties, however, lottery sales exceeded \$1 million. Seven counties (Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) had at least \$5 million in sales of lottery products in 1997.

All but 13 counties followed the state's pattern of lower sales in 1997 than in 1993. Many of these drops were modest, however; for example, 25 counties declined in sales by less than \$100,000 when 1993 and 1997 were compared. Ten counties dropped by at least a half million, with Pottawattamie's decline of \$12.4 million exceeding Polk's decrease of \$7.3 million, which was the second greatest, by more than \$5 million. Among the 13 counties with higher lottery sales in 1997 than in 1993, the increase never exceeded \$1 million, although it was close in Scott (+\$970,000). In only two others (Hancock, Lee) were 1997 sales at least \$100,000 greater than those in 1993.

When lottery sales are divided by the estimated population, sales figures per person living in the county result. Per capita sales in the state declined modestly from \$75 in 1993 to \$73 in 1994, \$70 in 1995, \$67 in 1996, and \$60 in 1997. Twenty-one counties had lottery sales of at least \$70 for every resident in 1997, topped by \$115 in Wapello. These counties were scattered across the state (Figure 1); some counties with high per capita purchases were urban while others were rural. Although most of the 35 counties with sales of less than \$50 per person were rural in nature, a few contained relatively large populations.

When 1993 and 1997 were compared, 49 counties decreased by at least \$10 per person in lottery sales (Figure 2). Six counties (Clayton, Harrison, Lyon, Mills, Page, Pottawattamie) dropped by at least \$30 per resident, with Pottawattamie's decline of \$150 much greater than any other. Only 13 of Iowa's counties had higher per capita sales in 1997 than in 1993, with only Hancock growing by at least \$10 per person.

Comparing population, total lottery sales, and per capita lottery sales yields additional differences across counties. For example, Hamilton was 49th highest in number of residents among Iowa's 99 counties in 1997. But it was 21st in total lottery sales and tied for 4th from the top on per capita lottery sales that year. Sioux, on the other hand, was 99th (or lowest) on per capita lottery sales, 78th on total sales, but 22nd on population in 1997. Understanding geographic location plus the situation in a specific county will assist in interpreting these numbers for any one year and changes across the 1993-1997 period.

Note: For additional information on lottery sales, see annual reports published by the Iowa Lottery from 1986 through 1997. Data are for fiscal years. Before 1993, no county totals were reported. Rather, information on a county's share of the state's total sales from instant tickets was provided. No totals from other sources were noted; nor were data on instant tickets alone listed in the 1993-1997 reports. Thus, numbers consistently using the same base are not included in the annual reports for the entire period during which the lottery has been in place. In addition, the figures reported in this section do not include receipts from other forms of gambling that occur in some counties.

Table 1. Lottery Sales in Iowa's Counties, 1993-1997.

County	Sales (\$)					Per Capita Sales (\$)				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	383848	458836	443671	529108	584414	47	56	54	64	70
Adams	187803	192765	222003	209180	231837	42	43	49	46	51
Allamakee	1263846	1276674	1297902	1430113	1646153	90	91	92	102	117
Appanoose	1164960	1201498	1191318	1085579	1087248	86	88	88	80	79
Audubon	369377	312722	362119	382895	383872	54	46	53	55	55
Benton	890335	961234	967101	947201	1045511	36	39	40	40	45
Black Hawk	10583045	11037354	10857063	10729014	11998134	87	90	89	87	97
Boone	1351186	1477474	1666721	1734372	1716073	52	57	65	69	68
Bremer	1321236	1506192	1495285	1535294	1696955	57	65	64	66	73
Buchanan	1506757	1467242	1599578	1484086	1514017	71	69	76	70	72
Buena Vista	1134046	1290844	1235247	1196386	1351144	58	65	62	60	67
Butler	841990	965646	993118	1045241	1169095	54	61	63	67	75
Calhoun	472597	568794	616299	611786	625003	41	50	53	52	54
Carroll	1160469	1254622	1193472	1123313	1145593	53	58	55	52	53
Cass	1021435	1174535	1188499	1005537	947455	69	79	80	67	63
Cedar	718046	817238	828366	936530	991758	40	46	47	53	57
Cerro Gordo	4611208	4880286	4941607	4875490	4898106	99	105	106	105	105
Cherokee	826979	944087	1066035	904497	831326	62	70	78	65	60
Chickasaw	705427	769977	794924	885618	886305	53	57	59	66	67
Clarke	508963	552469	492978	496584	569835	62	67	60	61	68
Clay	1204238	1384487	1299999	1222046	1292791	68	79	74	69	73
Clayton	1374965	1556058	1628775	1792161	1942265	73	83	87	95	103
Clinton	3338738	3905862	3929675	3275360	3241088	66	78	77	64	63
Crawford	1193372	1282747	1311032	1343462	1145254	73	78	80	82	69
Dallas	1597083	1857000	2035530	2126089	2080861	45	54	61	65	65
Davis	227749	331538	355622	376863	401182	27	40	42	45	48
Decatur	183767	185278	207378	221532	252249	22	22	25	27	31
Delaware	938386	1145333	1107901	1145136	1170375	51	62	60	62	64
Des Moines	2416358	2894916	2912734	2888642	2517636	57	68	68	67	59
Dickinson	1384821	1605080	1469914	1417459	1475120	87	102	94	92	96
Dubuque	5219926	5947498	6278458	6132153	6186708	59	67	71	70	70
Emmet	756132	829007	822589	983765	975648	69	75	74	87	86
Fayette	1379269	1488929	1532349	1583820	1692264	63	68	70	72	77
Floyd	1293103	1389568	1251978	1335764	1307691	79	84	75	80	78
Franklin	633587	781588	733108	748742	764327	58	71	67	68	68
Fremont	774674	1000564	1007534	1167242	898259	99	126	125	143	110
Greene	465191	513834	573212	533965	521366	46	51	57	53	51
Grundy	374270	421289	448762	534422	655087	30	34	37	44	54
Guthrie	493918	562193	553823	589109	631303	43	49	49	52	56
Hamilton	1447029	1639287	1767373	1681769	1655330	90	102	109	105	103
Hancock	909411	935609	887451	884917	757817	76	77	73	73	62
Hardin	1219015	1397843	1418216	1415437	1462363	66	75	76	76	79
Harrison	851917	1021874	1132615	1433061	1318845	56	67	75	96	89
Henry	1108554	1212098	1205163	1145801	1023440	56	61	61	58	52
Howard	728006	790849	751051	703908	771700	75	81	77	72	78
Humboldt	666436	802756	837603	857861	963766	64	77	81	82	92
Ida	215034	231272	272023	298732	280895	27	29	33	36	34
Iowa	684971	757049	764487	812330	935354	44	49	50	54	63
Jackson	1308177	1541739	1609364	1415969	1380415	65	77	80	70	69
Jasper	1771003	1898939	2090423	2226090	2264490	50	54	59	63	65

Table 1. Lottery Sales in Iowa's Counties, 1993-1997 (continued).

County	Sales (\$)					Per Capita Sales (\$)				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Jefferson	658630	702089	718826	680696	651488	39	42	43	41	39
Johnson	3806359	4215680	4115059	4018034	4094105	37	41	41	40	41
Jones	940035	1056234	1061345	1048958	1057035	46	52	52	53	53
Keokuk	391323	394008	415095	467176	458647	34	34	36	41	39
Kossuth	852819	915142	929260	960567	912181	48	51	51	53	50
Lee	2178009	2332502	2238461	2131343	1870484	56	60	57	55	48
Linn	12867912	14262357	13810949	13626674	14416376	71	79	77	77	82
Louisa	759627	837594	950284	959870	913138	64	70	80	81	78
Lucas	415223	445841	507225	506234	594785	46	49	56	56	66
Lyon	354116	440053	473372	615225	750243	30	37	40	52	63
Madison	416890	422011	456813	473528	467397	30	31	34	36	36
Mahaska	1276259	1241834	1214631	1139176	1244841	58	57	56	52	57
Marion	1257455	1380868	1401483	1564925	1520520	40	44	45	51	50
Marshall	2571204	2918785	3071185	2918848	3301706	66	75	79	76	87
Mills	736453	884070	1051863	1203100	1152225	51	63	76	89	86
Mitchell	693977	657740	652343	736439	735445	63	59	59	67	67
Monona	581893	622542	594232	746970	735536	58	62	60	75	73
Monroe	618032	676747	691046	688357	733282	77	84	85	84	90
Montgomery	582580	663075	709405	754098	773974	49	56	60	63	64
Muscatine	3222271	3647274	3665970	3429841	3183759	78	89	89	83	77
O'Brien	754814	800102	766758	825320	858071	51	53	50	54	56
Osceola	187999	191521	180722	186533	236986	27	27	26	26	33
Page	437787	521176	582755	712986	1043292	26	30	35	43	63
Palo Alto	647808	722066	662560	710188	668340	64	71	65	68	64
Plymouth	925240	996888	1096582	1109921	1199623	38	41	45	46	50
Pocahontas	455281	516834	495808	558370	558081	52	58	54	61	61
Polk	21117820	22851465	27161824	26333810	28433397	60	65	78	76	83
Pottawattamie	6576421	8003251	10532872	19226994	18979956	77	94	126	231	227
Poweshiek	1173785	1407850	1420668	1416634	1458189	62	74	75	75	77
Ringgold	185379	195710	218977	235916	238460	35	37	41	44	44
Sac	778790	872810	858614	874433	807843	65	73	71	72	67
Scott	10342875	11737749	11775828	10300829	9373047	66	75	75	66	60
Shelby	554275	642935	681292	709521	680725	42	49	52	54	52
Sioux	486939	580727	661528	705020	678562	16	19	21	23	22
Story	2375012	2629799	2700748	2786573	2941777	32	35	36	38	39
Tama	768584	911584	960491	1119623	1193982	44	52	54	63	68
Taylor	229410	311443	291976	270397	339505	32	43	41	38	48
Union	966430	1017629	1069682	1028938	1098413	78	81	86	83	88
Van Buren	234211	237173	221604	208870	198932	30	31	29	27	26
Wapello	4063105	4221392	4417248	4109736	4370392	115	119	124	114	121
Warren	1426956	1533223	1729540	1743345	1825979	36	39	45	45	48
Washington	1082842	1186382	1250429	1264563	1162247	52	57	61	62	57
Wayne	334304	382633	401118	427034	398234	49	56	59	62	57
Webster	3371254	3686859	3806130	3684834	3659847	87	95	97	93	92
Winnebago	989381	1076243	1148248	1116940	1058709	82	90	96	94	89
Winneshiek	1249867	1356528	1322307	1485243	1553256	60	65	63	71	74
Woodbury	5513028	6560470	6942966	7595600	7757503	54	64	68	75	77
Worth	442697	500650	446525	473069	507592	57	64	57	60	64
Wright	894145	1101660	1129362	1119332	1079270	63	77	79	79	76
State of Iowa	170930159	189893771	199313457	206452062	211213100	60	67	70	73	75

Figure 1. Per capita lottery sales, 1997.

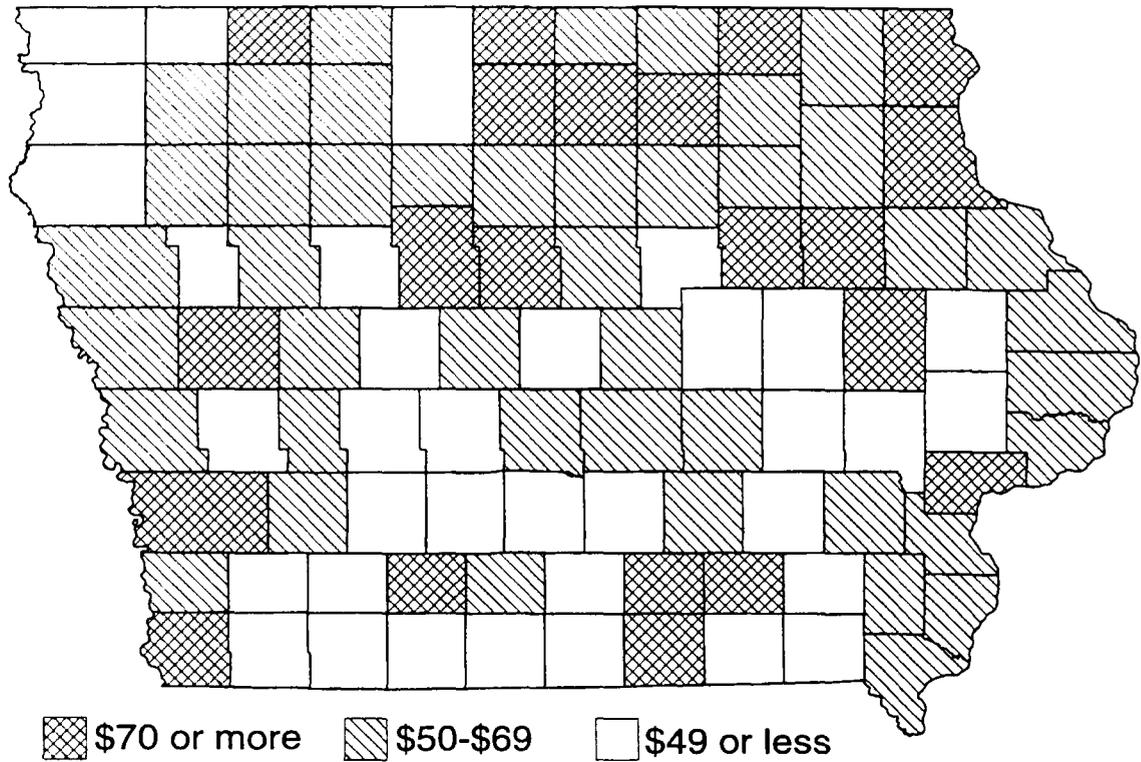
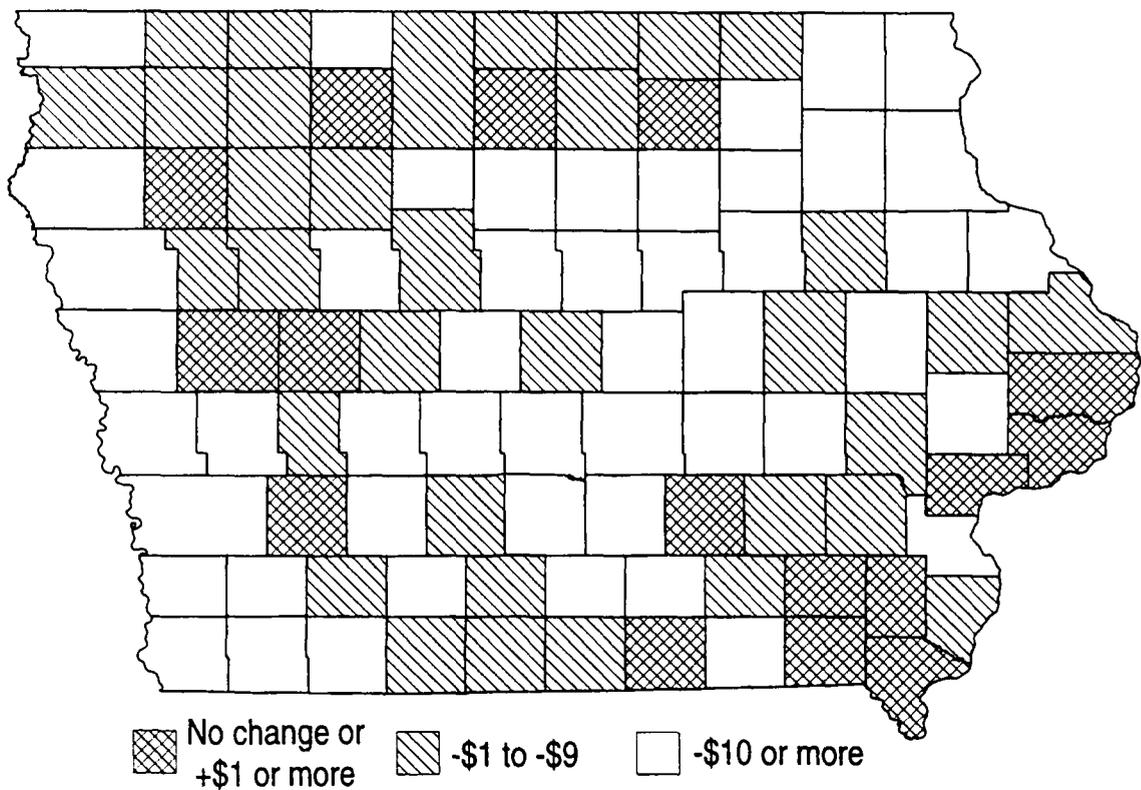


Figure 2. Change in per capita lottery sales, 1993-1997.



Food Stamps in Iowa's Counties:

1987-1997

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 Margaret Hanson, Iowa State University
 Willis Goudy, Iowa State University
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The Iowa Department of Human Services maintains information on the number of persons and households receiving food stamps each month. For this report, averages of persons, households, and benefits were calculated for each year from 1987 through 1997; numbers from monthly reports were summed and divided by 12. Through this period, the federal government has made changes in the eligibility requirements for food stamps, which have some effect on year-to-year comparisons.

Households Receiving Food Stamps

An average of 64,461 households received food stamps each month in 1997 (Table 1). This was a decrease of 8,370 from the 1996 figure, the fourth consecutive decline. More than 75,000 households received food stamps monthly in 1987 and from 1992 through 1994.

Polk averaged 8,649 households receiving food stamps each month in 1997, 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 more than two-fifths (42.0%) of Iowa's average monthly food stamp households that year. Sixteen counties had 500 to 1,999 households receiving food stamps, while 75 counties averaged 100 to 499 households monthly. Only Audubon and Osceola averaged less than 100.

Allamakee averaged one more household in the program in 1997 than in 1996, while the average in Buena Vista remained the same. Of the 97 counties with fewer households in the program in 1997 than in 1996, the largest decrease occurred in Polk (-1,503); 15 other counties had declines greater than 100.

A comparison of 1987 with 1997 indicates that Iowa averaged 11,353 fewer households in the program at the end of the period than at the beginning. Likewise, 84 counties had fewer households receiving food stamps in 1997 than in 1987; 31 decreased by more than 100 households. Black Hawk and Woodbury were the only counties with declines greater than 1,000 between those years. Of the 13 counties with higher averages in 1997 than in 1987, four (Des Moines, Henry, Johnson, Pottawattamie) gained more than 100.

Persons Receiving Food Stamps

In 1997, Iowa had an average of 155,436 persons receiving food stamps each month (Table 2, Figure 1). Polk averaged more monthly food stamp recipients (20,688) in 1997 than any other county. Two others (Black Hawk, Scott) had more than 10,000 persons receiving food stamps monthly that year. Twenty-four counties averaged from 1,000 to 9,999 recipients monthly.

The average number of persons receiving food stamps in the state was 19,492 lower in 1997 than in 1996. All but one of Iowa's 99 counties followed this trend as well, with fewer persons in the program in

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	170	196	188	188	195	183	185	178	166	170	192
Adams	119	137	141	150	150	153	146	140	131	143	180
Allamakee	236	235	243	254	265	255	234	222	229	268	304
Appanoose	684	764	735	738	734	731	684	664	704	727	747
Audubon	96	103	111	122	115	130	120	112	109	118	139
Benton	366	394	417	450	482	515	484	489	447	457	510
Black Hawk	4605	4977	5052	5191	5206	5066	4961	5043	5200	5468	6119
Boone	468	549	580	631	659	637	566	484	499	513	546
Bremer	245	294	296	357	351	303	322	313	304	352	438
Buchanan	355	418	424	466	486	506	553	536	546	600	706
Buena Vista	346	346	355	368	371	371	346	300	280	303	326
Butler	225	274	300	305	283	299	298	294	294	330	403
Calhoun	228	256	254	280	271	273	256	233	224	246	293
Carroll	303	349	354	364	369	350	340	347	361	345	389
Cass	302	333	366	398	391	365	331	312	298	287	318
Cedar	306	342	339	360	350	337	312	305	297	308	351
Cerro Gordo	1152	1351	1328	1420	1427	1396	1305	1224	1174	1165	1249
Cherokee	197	218	221	230	236	227	213	201	205	226	268
Chickasaw	165	196	196	214	210	221	213	218	219	260	347
Clarke	254	301	314	323	320	315	275	252	230	253	279
Clay	312	349	375	398	416	430	427	413	405	434	499
Clayton	205	240	233	256	278	298	302	315	344	374	431
Clinton	1599	1863	1862	1921	1906	1836	1761	1682	1587	1604	1803
Crawford	371	452	455	459	418	398	398	394	376	379	374
Dallas	455	540	559	571	592	593	565	550	539	533	595
Davis	177	198	225	232	236	255	242	247	268	289	319
Decatur	386	442	458	486	455	423	392	365	349	354	349
Delaware	271	312	326	345	361	359	353	376	395	437	539
Des Moines	1400	1502	1521	1552	1557	1462	1384	1310	1272	1249	1285
Dickinson	234	256	277	276	268	265	256	240	241	241	242
Dubuque	1555	1714	1652	1779	1868	1879	1840	1867	1917	2089	2439
Emmet	204	240	277	306	320	339	342	324	285	277	303
Fayette	525	574	573	619	634	626	617	565	568	614	690
Floyd	381	434	472	516	497	491	457	459	443	457	515
Franklin	222	241	251	249	248	256	238	227	213	214	234
Fremont	234	264	266	278	255	244	219	209	215	210	218
Greene	209	245	245	244	231	222	225	200	190	198	218
Grundy	113	137	131	117	136	164	168	148	156	149	166
Guthrie	221	260	270	298	303	289	266	228	244	278	309
Hamilton	297	330	332	382	397	413	379	326	316	348	367
Hancock	154	186	190	217	234	229	223	222	198	206	232
Hardin	375	446	491	552	522	485	429	391	385	413	434
Harrison	378	426	435	451	471	480	444	416	412	427	433
Henry	430	464	472	504	471	458	430	385	347	328	324
Howard	151	170	191	213	218	214	206	220	229	234	285
Humboldt	179	200	223	228	251	244	228	228	221	233	242
Ida	109	112	120	112	113	109	110	92	87	94	109
Iowa	163	175	178	193	177	173	159	151	136	147	180
Jackson	436	506	537	574	563	536	535	519	529	585	655
Jasper	567	642	650	699	758	740	723	641	626	667	758

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa's Counties, 1987-1997
(continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	461	539	549	576	574	551	526	484	463	435	442
Johnson	1347	1444	1360	1344	1323	1269	1141	998	946	917	934
Jones	308	354	367	372	386	355	337	321	348	372	420
Keokuk	326	355	324	332	355	340	353	330	299	295	322
Kossuth	252	281	316	340	349	361	334	304	294	302	347
Lee	1192	1310	1287	1397	1435	1418	1367	1268	1232	1295	1434
Linn	3890	4376	4462	4741	4628	4518	4343	4029	3927	4083	4614
Louisa	295	337	345	347	343	341	318	275	258	282	311
Lucas	321	372	376	398	362	344	338	316	313	331	361
Lyon	116	143	152	156	158	150	132	135	135	150	181
Madison	176	215	233	243	253	242	231	210	217	214	239
Mahaska	649	671	646	669	689	697	688	662	632	611	676
Marion	514	600	631	666	664	622	575	519	498	532	608
Marshall	1145	1261	1196	1250	1287	1261	1150	1038	1014	1039	1112
Mills	288	317	345	364	346	326	316	280	241	251	267
Mitchell	121	136	134	155	165	180	166	156	165	186	197
Monona	259	294	314	328	330	345	327	304	302	307	352
Monroe	269	303	312	313	315	306	301	306	329	358	365
Montgomery	327	353	373	367	341	346	300	266	263	256	278
Muscatine	1210	1330	1303	1314	1287	1294	1227	1183	1119	1141	1292
O'Brien	182	208	210	209	210	222	189	180	174	220	272
Osceola	84	98	103	100	101	93	96	90	95	105	133
Page	489	507	502	552	543	538	539	494	480	493	518
Palo Alto	202	230	263	294	294	296	279	255	241	254	302
Plymouth	271	284	282	279	274	270	263	255	276	318	362
Pocahontas	171	192	205	212	216	220	208	178	141	148	189
Polk	8649	10152	10429	11144	11342	10793	10006	9123	8726	8739	9156
Pottawattamie	2447	2718	2888	3144	3147	3038	2834	2520	2344	2259	2218
Poweshiek	305	353	359	371	368	364	352	307	262	287	336
Ringgold	174	185	177	192	199	185	181	176	177	193	208
Sac	207	228	246	230	216	226	219	197	203	197	222
Scott	5201	6181	6364	6623	6512	6131	5747	5403	5172	5306	5668
Shelby	196	220	242	236	235	223	211	189	161	174	212
Sioux	215	254	262	235	218	248	248	254	280	286	337
Story	919	1031	1091	1109	1070	1057	958	874	821	773	830
Tama	260	274	286	332	357	391	364	335	321	344	397
Taylor	181	220	211	209	206	192	195	188	176	184	223
Union	370	467	485	488	466	451	448	436	421	403	440
Van Buren	161	174	178	182	209	204	208	198	194	212	231
Wapello	1776	1886	1851	1856	1843	1846	1752	1668	1686	1767	1981
Warren	465	518	602	698	729	706	666	603	568	563	583
Washington	328	371	358	376	369	365	359	343	319	331	350
Wayne	214	245	247	241	249	243	230	223	223	241	268
Webster	1337	1524	1544	1614	1694	1651	1593	1478	1456	1442	1587
Winnebago	181	197	198	216	226	216	208	187	167	160	181
Winneshiek	238	264	266	300	305	295	279	273	284	326	383
Woodbury	2282	2501	2584	2819	3049	3182	3069	2847	2729	2889	3313
Worth	108	117	130	154	176	189	178	180	164	175	195
Wright	252	294	312	341	328	330	306	296	269	285	316
State of Iowa	64461	72831	74358	78261	78758	76974	73113	68705	66930	69032	75814

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	406	485	455	458	487	452	464	447	399	427	539
Adams	309	362	362	402	407	436	395	379	340	376	522
Allamakee	581	574	611	661	676	634	609	560	594	722	841
Appanoose	1629	1808	1783	1808	1853	1865	1742	1677	1753	1870	2006
Audubon	272	283	290	332	323	370	334	323	308	342	428
Benton	969	1040	1125	1210	1311	1368	1268	1269	1139	1166	1363
Black Hawk	10931	11598	11826	12430	12517	12190	12002	11989	12398	13194	15165
Boone	1134	1322	1405	1514	1562	1544	1412	1196	1246	1301	1417
Bremer	602	744	760	937	930	786	836	779	760	934	1258
Buchanan	948	1154	1195	1358	1395	1428	1515	1434	1473	1709	2081
Buena Vista	832	882	902	935	947	962	929	795	766	813	913
Butler	557	712	776	805	713	798	809	789	793	906	1147
Calhoun	540	601	600	656	654	677	624	585	566	639	807
Carroll	742	842	884	923	932	863	862	869	894	851	1030
Cass	741	851	969	1090	1056	992	892	830	781	755	876
Cedar	725	829	811	910	899	857	814	783	764	804	943
Cerro Gordo	2578	3027	3057	3269	3287	3211	2988	2821	2678	2707	2935
Cherokee	440	509	508	569	598	585	556	523	509	552	693
Chickasaw	423	499	514	574	558	601	564	571	590	717	982
Clarke	645	792	829	864	848	844	749	678	618	713	808
Clay	688	765	816	925	990	1041	1037	978	970	1036	1238
Clayton	532	615	621	709	762	803	803	853	936	1022	1237
Clinton	3745	4270	4356	4603	4608	4378	4257	4089	3935	4003	4492
Crawford	964	1168	1180	1203	1091	1018	1029	1021	942	975	1024
Dallas	1105	1354	1445	1512	1525	1543	1474	1400	1345	1366	1582
Davis	410	448	522	566	582	640	601	617	680	790	912
Decatur	840	985	1025	1105	1050	977	918	850	833	883	900
Delaware	692	812	882	937	992	952	914	984	1074	1240	1595
Des Moines	3425	3579	3654	3828	3860	3624	3483	3348	3215	3142	3321
Dickinson	538	576	618	629	612	609	616	570	636	642	642
Dubuque	3781	4207	3992	4389	4597	4608	4422	4528	4705	5214	6217
Emmet	501	581	668	768	817	865	823	810	770	777	897
Fayette	1304	1431	1450	1631	1694	1696	1628	1495	1529	1684	1960
Floyd	998	1125	1250	1417	1331	1329	1238	1216	1173	1214	1432
Franklin	508	574	638	646	637	669	624	592	550	552	625
Fremont	592	678	668	734	662	638	567	544	564	554	590
Greene	521	625	637	658	644	599	599	511	475	500	582
Grundy	286	349	345	320	414	454	440	384	388	374	457
Guthrie	551	647	695	780	807	766	707	595	630	720	868
Hamilton	665	748	771	940	969	995	943	789	764	858	954
Hancock	389	489	488	590	652	673	637	631	538	573	669
Hardin	877	1053	1195	1389	1321	1246	1097	975	951	1056	1109
Harrison	981	1120	1134	1206	1250	1282	1212	1129	1124	1120	1187
Henry	982	1102	1114	1232	1209	1174	1120	990	889	820	851
Howard	387	432	477	574	575	535	501	535	556	593	774
Humboldt	402	449	513	542	590	587	538	527	506	597	660
Ida	287	299	315	290	320	302	307	222	215	248	308
Iowa	423	464	472	511	469	457	432	403	352	389	489
Jackson	1039	1212	1333	1482	1476	1448	1451	1416	1443	1643	1961
Jasper	1310	1479	1514	1645	1812	1749	1693	1515	1501	1632	1912

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	990	1153	1181	1301	1313	1279	1198	1096	1045	1004	1078
Johnson	2975	3206	3026	3010	2977	2826	2544	2263	2110	2078	2105
Jones	796	899	964	983	1019	940	908	830	905	994	1184
Keokuk	840	912	850	891	948	921	980	906	853	855	960
Kossuth	632	717	841	937	961	974	884	790	758	806	998
Lee	2946	3223	3157	3562	3681	3583	3398	3118	3076	3215	3572
Linn	8875	9698	10139	10955	10787	10637	10247	9451	9170	9800	11065
Louisa	794	858	878	899	886	896	855	745	709	752	857
Lucas	778	865	898	935	856	834	794	738	726	773	876
Lyon	316	407	425	461	461	460	397	411	412	446	560
Madison	425	534	587	642	667	643	623	554	576	553	651
Mahaska	1518	1579	1511	1609	1684	1724	1726	1632	1578	1546	1813
Marion	1217	1432	1561	1682	1676	1575	1459	1344	1314	1442	1668
Marshall	2672	2932	2810	3012	3023	2953	2716	2483	2403	2498	2771
Mills	824	901	953	998	932	906	870	757	657	717	800
Mitchell	265	301	308	377	416	468	427	387	406	478	527
Monona	578	682	754	850	879	944	906	819	809	806	961
Monroe	644	731	789	831	823	784	769	787	820	919	965
Montgomery	844	900	948	932	869	872	750	652	634	610	691
Muscatine	3116	3461	3419	3531	3561	3600	3413	3262	3069	3102	3531
O'Brien	432	520	562	564	573	592	464	443	421	557	733
Osceola	212	274	275	265	266	249	263	230	248	281	395
Page	1121	1217	1178	1295	1294	1326	1363	1233	1247	1246	1329
Palo Alto	401	449	523	617	641	674	661	626	590	620	795
Plymouth	609	642	665	661	650	680	688	706	761	896	1056
Pocahontas	395	444	501	526	535	544	528	423	353	386	532
Polk	20688	23883	25001	27254	27498	26387	24392	22267	21124	21199	22402
Pottawattamie	6298	7013	7498	8264	8363	8150	7588	6682	6181	5962	6029
Poweshiek	728	863	884	946	946	930	893	775	657	736	901
Ringgold	435	486	464	511	531	494	480	467	468	542	608
Sac	526	596	634	603	590	611	603	559	548	529	632
Scott	13024	15143	15832	16632	16474	15903	14971	14041	13471	13856	14735
Shelby	523	593	669	631	658	657	597	532	443	503	632
Sioux	583	702	738	656	610	706	712	770	858	885	1084
Story	2031	2288	2445	2504	2422	2318	2092	1907	1837	1812	2039
Tama	659	756	783	914	987	1098	1009	876	825	923	1144
Taylor	491	598	568	554	560	519	565	548	518	529	652
Union	876	1100	1136	1188	1203	1153	1152	1100	1065	1039	1160
Van Buren	411	459	475	493	590	568	575	544	526	611	669
Wapello	4082	4252	4228	4327	4361	4365	4197	3935	3967	4376	5039
Warren	1170	1267	1488	1739	1828	1764	1638	1485	1428	1446	1546
Washington	804	952	912	969	960	968	944	908	886	928	989
Wayne	520	607	643	648	694	680	630	631	599	699	753
Webster	3119	3457	3593	3818	4036	3884	3750	3492	3462	3502	3914
Winnebago	456	487	491	525	534	528	519	476	400	389	460
Winneshiek	548	623	646	758	796	760	716	704	747	875	1060
Woodbury	5687	6327	6529	7247	8044	8581	8319	7646	7229	7728	9053
Worth	238	270	309	363	449	445	412	407	354	401	484
Wright	607	724	775	859	829	853	796	733	622	643	766
State of Iowa	155436	174928	180890	194193	196603	193318	183856	171980	167415	175206	197419

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	4.9	5.9	5.5	5.5	5.8	5.4	5.5	5.3	4.7	5.0	6.3
Adams	7.0	8.1	8.0	8.8	8.9	9.4	8.4	7.8	6.8	7.4	10.0
Allamakee	4.2	4.1	4.3	4.7	4.8	4.5	4.4	4.0	4.2	5.1	5.9
Appanoose	12.1	13.3	13.1	13.3	13.4	13.5	12.7	12.2	12.7	13.4	14.2
Audubon	4.0	4.1	4.2	4.8	4.6	5.2	4.6	4.4	4.2	4.6	5.6
Benton	3.9	4.2	4.6	5.1	5.6	6.0	5.6	5.7	5.1	5.2	6.1
Black Hawk	9.0	9.5	9.6	10.1	10.1	9.8	9.6	9.7	10.1	10.8	12.2
Boone	4.3	5.1	5.5	6.0	6.2	6.1	5.6	4.7	5.0	5.2	5.6
Bremer	2.6	3.2	3.3	4.1	4.0	3.4	3.6	3.4	3.3	4.1	5.5
Buchanan	4.5	5.5	5.6	6.4	6.6	6.8	7.2	6.9	7.1	8.2	10.0
Buena Vista	4.3	4.4	4.5	4.7	4.7	4.8	4.7	4.0	3.8	4.0	4.5
Butler	3.5	4.5	4.9	5.1	4.5	5.1	5.1	5.0	5.0	5.7	7.2
Calhoun	4.7	5.2	5.2	5.6	5.7	5.9	5.4	5.1	4.9	5.5	6.9
Carroll	3.4	3.9	4.1	4.3	4.3	4.0	4.0	4.1	4.2	3.9	4.7
Cass	5.0	5.7	6.5	7.2	7.0	6.6	5.9	5.5	5.1	4.9	5.7
Cedar	4.0	4.7	4.6	5.2	5.1	4.9	4.7	4.5	4.4	4.6	5.4
Cerro Gordo	5.6	6.5	6.6	7.0	7.1	6.9	6.3	6.0	5.7	5.7	6.2
Cherokee	3.3	3.8	3.7	4.1	4.3	4.2	4.0	3.7	3.6	3.9	4.8
Chickasaw	3.1	3.7	3.8	4.3	4.2	4.5	4.3	4.3	4.4	5.3	7.2
Clarke	7.8	9.6	10.2	10.6	10.2	10.1	9.1	8.2	7.4	8.5	9.7
Clay	3.9	4.4	4.7	5.2	5.6	5.9	5.9	5.6	5.6	6.0	7.1
Clayton	2.8	3.3	3.3	3.8	4.0	4.3	4.3	4.5	4.9	5.3	6.4
Clinton	7.5	8.5	8.6	9.0	9.0	8.5	8.4	8.0	7.7	7.8	8.7
Crawford	5.9	7.1	7.2	7.3	6.6	6.1	6.2	6.1	5.5	5.6	5.8
Dallas	3.1	3.9	4.3	4.7	4.8	5.0	4.8	4.7	4.6	4.7	5.5
Davis	4.9	5.3	6.2	6.7	6.9	7.7	7.2	7.4	8.2	9.4	10.7
Decatur	10.3	12.0	12.4	13.6	13.1	12.0	11.3	10.2	9.8	10.4	10.5
Delaware	3.8	4.4	4.8	5.1	5.4	5.2	5.0	5.5	5.9	6.9	8.9
Des Moines	8.1	8.4	8.6	8.9	9.0	8.5	8.1	7.9	7.5	7.3	7.7
Dickinson	3.4	3.7	4.0	4.1	4.0	4.0	4.1	3.8	4.3	4.4	4.4
Dubuque	4.3	4.8	4.5	5.0	5.2	5.3	5.1	5.2	5.4	6.0	7.1
Emmet	4.6	5.3	6.0	6.8	7.2	7.5	7.1	7.0	6.7	6.7	7.7
Fayette	5.9	6.5	6.6	7.4	7.7	7.7	7.4	6.8	7.0	7.7	8.9
Floyd	6.1	6.8	7.5	8.5	7.9	7.8	7.3	7.1	6.8	7.0	8.2
Franklin	4.7	5.2	5.8	5.9	5.7	6.0	5.5	5.2	4.8	4.8	5.3
Fremont	7.6	8.5	8.3	9.0	8.1	7.8	6.9	6.6	6.8	6.6	6.8
Greene	5.2	6.2	6.4	6.5	6.4	5.9	6.0	5.1	4.7	4.8	5.5
Grundy	2.3	2.8	2.8	2.6	3.4	3.8	3.7	3.2	3.2	3.0	3.7
Guthrie	4.8	5.7	6.1	6.9	7.2	6.9	6.4	5.4	5.8	6.5	7.9
Hamilton	4.1	4.7	4.8	5.9	6.0	6.2	5.9	4.9	4.7	5.2	5.8
Hancock	3.2	4.0	4.0	4.9	5.4	5.4	5.1	5.0	4.2	4.5	5.2
Hardin	4.7	5.7	6.4	7.4	7.1	6.6	5.8	5.1	4.9	5.4	5.6
Harrison	6.4	7.4	7.5	8.1	8.4	8.7	8.3	7.7	7.6	7.4	7.8
Henry	4.9	5.5	5.6	6.2	6.2	6.0	5.8	5.1	4.7	4.3	4.5
Howard	4.0	4.4	4.9	5.9	5.8	5.4	5.1	5.5	5.6	5.9	7.6
Humboldt	3.9	4.3	4.9	5.2	5.6	5.6	5.0	4.9	4.7	5.5	6.0
Ida	3.6	3.7	3.8	3.5	3.9	3.6	3.7	2.7	2.6	3.0	3.7
Iowa	2.7	3.0	3.1	3.4	3.2	3.1	2.9	2.8	2.4	2.6	3.3
Jackson	5.2	6.0	6.6	7.3	7.3	7.2	7.3	7.1	7.1	8.0	9.4
Jasper	3.7	4.2	4.3	4.7	5.2	5.0	4.9	4.4	4.3	4.7	5.5

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa's Counties, 1987-1997
(continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	5.8	6.8	7.1	7.8	7.9	7.8	7.3	6.7	6.4	6.1	6.6
Johnson	2.9	3.2	3.0	3.0	3.0	2.9	2.6	2.4	2.2	2.2	2.3
Jones	3.9	4.4	4.7	4.9	5.1	4.8	4.6	4.3	4.7	5.2	6.2
Keokuk	7.3	7.9	7.3	7.7	8.2	7.9	8.4	7.8	7.3	7.2	8.1
Kossuth	3.5	4.0	4.6	5.2	5.3	5.3	4.8	4.2	4.0	4.2	5.2
Lee	7.6	8.3	8.1	9.1	9.5	9.2	8.7	8.1	7.9	8.2	9.0
Linn	4.9	5.4	5.7	6.2	6.2	6.1	6.0	5.6	5.5	5.9	6.7
Louisa	6.7	7.2	7.4	7.6	7.5	7.8	7.4	6.4	6.1	6.5	7.4
Lucas	8.6	9.6	10.0	10.4	9.5	9.2	8.7	8.1	7.9	8.3	9.3
Lyon	2.6	3.4	3.6	3.9	3.9	3.8	3.3	3.4	3.5	3.7	4.7
Madison	3.1	3.9	4.4	4.9	5.2	5.0	5.0	4.4	4.6	4.5	5.3
Mahaska	7.0	7.3	6.9	7.4	7.8	8.0	8.0	7.6	7.4	7.2	8.4
Marion	3.9	4.6	5.0	5.5	5.5	5.2	4.8	4.5	4.4	4.8	5.6
Marshall	6.9	7.6	7.3	7.9	8.0	7.8	7.1	6.5	6.3	6.5	7.1
Mills	5.7	6.4	6.9	7.4	7.0	6.8	6.6	5.7	5.0	5.4	6.1
Mitchell	2.4	2.7	2.8	3.4	3.8	4.3	3.9	3.5	3.7	4.3	4.7
Monona	5.8	6.8	7.6	8.5	8.8	9.4	9.1	8.2	8.0	7.8	9.3
Monroe	8.0	9.0	9.7	10.2	10.1	9.6	9.4	9.7	10.1	11.3	11.7
Montgomery	7.1	7.6	8.0	7.8	7.2	7.3	6.3	5.4	5.2	5.1	5.7
Muscatine	7.6	8.4	8.3	8.6	8.7	8.8	8.4	8.2	7.7	7.8	8.9
O'Brien	2.9	3.5	3.7	3.7	3.7	3.8	3.0	2.9	2.7	3.6	4.7
Osceola	3.0	3.9	3.9	3.7	3.7	3.5	3.6	3.2	3.4	3.8	5.4
Page	6.5	7.0	7.1	7.7	7.8	8.0	8.1	7.3	7.4	7.4	7.8
Palo Alto	4.0	4.4	5.2	5.9	6.1	6.4	6.2	5.9	5.5	5.7	7.2
Plymouth	2.5	2.6	2.8	2.7	2.7	2.9	2.9	3.0	3.2	3.8	4.5
Pocahontas	4.5	5.0	5.5	5.8	5.8	5.9	5.6	4.4	3.6	3.9	5.3
Polk	5.8	6.8	7.1	7.9	8.0	7.8	7.3	6.8	6.6	6.7	7.2
Pottawattamie	7.4	8.3	9.0	9.9	10.0	9.8	9.2	8.1	7.5	7.2	7.2
Poweshiek	3.8	4.5	4.7	5.0	5.0	4.9	4.7	4.1	3.4	3.9	4.8
Ringgold	8.2	9.1	8.7	9.6	9.9	9.2	8.9	8.6	8.6	10.0	11.2
Sac	4.4	5.0	5.3	5.0	4.9	5.0	5.0	4.5	4.4	4.3	5.0
Scott	8.3	9.6	10.1	10.7	10.6	10.3	9.8	9.3	9.0	9.2	9.8
Shelby	4.0	4.5	5.1	4.8	5.0	5.0	4.5	4.0	3.3	3.7	4.7
Sioux	1.9	2.3	2.4	2.1	2.0	2.3	2.4	2.6	2.9	3.0	3.7
Story	2.7	3.1	3.3	3.4	3.2	3.1	2.8	2.6	2.5	2.5	2.8
Tama	3.7	4.3	4.4	5.2	5.6	6.3	5.8	5.0	4.7	5.2	6.4
Taylor	6.9	8.3	7.9	7.8	7.9	7.4	8.0	7.7	7.2	7.3	8.8
Union	7.0	8.8	9.1	9.5	9.6	9.2	9.1	8.6	8.4	8.1	9.0
Van Buren	5.3	5.9	6.1	6.4	7.6	7.4	7.4	7.1	6.9	7.8	8.5
Wapello	11.5	11.9	11.9	12.0	12.1	12.2	11.7	11.0	11.1	12.3	13.9
Warren	2.9	3.2	3.8	4.5	4.8	4.7	4.5	4.1	4.0	4.1	4.4
Washington	3.9	4.6	4.4	4.8	4.7	4.8	4.7	4.6	4.5	4.7	5.1
Wayne	7.6	8.9	9.4	9.4	9.9	9.8	9.0	8.9	8.5	9.9	10.4
Webster	8.1	8.9	9.2	9.7	10.1	9.7	9.3	8.7	8.5	8.6	9.5
Winnebago	3.8	4.1	4.1	4.4	4.5	4.4	4.3	3.9	3.3	3.2	3.8
Winneshiek	2.6	3.0	3.1	3.6	3.8	3.6	3.4	3.4	3.6	4.2	5.1
Woodbury	5.6	6.2	6.4	7.1	8.0	8.6	8.4	7.8	7.4	7.9	9.4
Worth	3.1	3.4	3.9	4.6	5.6	5.6	5.2	5.1	4.4	4.9	5.9
Wright	4.3	5.1	5.4	6.0	5.9	6.0	5.6	5.1	4.3	4.5	5.3
State of Iowa	5.4	6.1	6.4	6.9	7.0	6.9	6.6	6.2	6.0	6.3	7.1

Table 4. Total Annual (in \$1,000s) and Adjusted Total Annual (in 1997 \$1,000s) Food Stamp Benefits in Iowa's Counties, 1987-1997.

County	Total (in \$s) Benefits Received											Adjusted Total (in 1997 \$s) Benefits Received										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Adair	286	350	328	319	349	319	296	261	220	218	264	358	345	345	387	364	347	319	283	294	370	
Adams	215	271	255	265	283	298	266	220	187	207	281	277	268	287	314	340	312	269	240	279	394	
Allamakee	411	430	435	459	461	421	379	323	313	368	425	440	458	497	511	480	445	394	402	496	595	
Appanoose	1213	1388	1336	1318	1337	1384	1202	1078	1036	1054	1049	1419	1405	1426	1483	1578	1411	1316	1331	1420	1470	
Audubon	190	201	202	214	211	239	217	190	168	195	226	205	213	232	234	273	255	232	216	263	317	
Benton	697	772	826	875	941	965	877	807	661	647	701	789	869	947	1044	1101	1029	985	849	872	982	
Black Hawk	8350	9169	9164	9272	9275	9050	8368	7808	7463	7758	8453	9373	9641	10031	10288	10321	9820	9533	9590	10450	11842	
Boone	885	1088	1116	1183	1220	1202	1000	761	720	751	767	1112	1174	1280	1353	1371	1174	929	925	1012	1074	
Bremer	428	531	555	649	630	544	552	489	427	514	644	543	584	702	699	620	648	597	549	692	902	
Buchanan	649	856	859	936	947	1009	1040	908	855	966	1115	875	904	1013	1050	1151	1220	1109	1099	1301	1562	
Buena Vista	618	648	671	649	670	689	611	491	419	427	449	662	706	702	743	786	717	599	538	575	629	
Butler	366	476	539	529	462	537	536	473	430	473	573	487	567	572	512	612	629	577	553	637	803	
Calhoun	363	426	417	448	440	457	398	338	313	334	403	435	439	485	488	521	467	413	402	450	565	
Carroll	501	568	599	627	630	587	554	512	478	441	497	581	630	678	699	669	650	625	614	594	696	
Cass	497	602	699	734	728	703	606	516	445	421	450	615	735	794	807	802	711	630	572	567	630	
Cedar	559	647	621	659	673	626	559	503	456	466	524	661	653	713	746	714	656	614	586	628	734	
Cerro Gordo	1919	2307	2276	2337	2368	2336	2088	1808	1576	1511	1555	2358	2394	2528	2627	2664	2450	2207	2025	2035	2178	
Cherokee	316	375	383	409	417	419	370	318	282	298	363	383	403	442	463	478	434	388	362	401	509	
Chickasaw	286	343	345	378	373	387	365	339	315	381	505	351	363	409	414	441	428	414	405	513	707	
Clarke	488	623	647	648	606	600	513	433	354	403	430	637	681	701	672	684	602	529	455	543	602	
Clay	496	574	580	612	640	697	657	581	524	528	601	587	610	662	710	795	771	709	673	711	842	
Clayton	358	444	440	488	498	550	514	502	503	540	625	454	463	528	552	627	603	613	646	727	876	
Clinton	2932	3478	3459	3546	3543	3461	3186	2807	2485	2424	2595	3555	3639	3836	3930	3947	3739	3427	3193	3265	3635	
Crawford	708	878	876	863	776	743	695	627	530	533	525	898	922	934	861	847	816	765	681	718	735	
Dallas	879	1113	1196	1175	1181	1186	1050	925	818	781	856	1138	1258	1271	1310	1353	1232	1129	1051	1052	1199	
Davis	305	337	391	424	428	461	411	394	386	431	478	344	411	459	475	526	482	481	496	581	670	
Decatur	585	702	710	763	715	660	581	496	442	442	432	718	747	825	793	753	682	606	568	595	605	
Delaware	466	558	610	590	620	627	582	585	592	660	817	570	642	638	688	715	683	714	761	889	1145	
Des Moines	2747	2892	2924	2916	2945	2763	2517	2230	1943	1795	1811	2956	3076	3155	3267	3151	2954	2723	2497	2418	2537	
Dickinson	396	436	469	456	430	422	403	337	348	346	310	446	493	493	477	481	473	411	447	466	434	
Dubuque	2797	3166	2939	3128	3292	3344	3064	2869	2735	2907	3322	3236	3092	3384	3651	3814	3596	3503	3515	3916	4654	
Emmet	334	398	481	529	556	602	565	515	427	401	440	407	506	572	617	687	663	629	549	540	616	
Fayette	929	1050	1004	1077	1113	1110	1016	857	805	872	995	1073	1056	1165	1235	1266	1192	1046	1034	1175	1394	

Table 4. Total Annual (in \$1,000s) and Adjusted Total Annual (in 1997 \$1,000s) Food Stamp Benefits in Iowa's Counties, 1987-1997 (continued).

County	Total (in \$s) Benefits Received											Adjusted Total (in 1997 \$s) Benefits Received									
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Floyd	709	788	892	963	894	872	773	707	604	616	711	806	938	1042	992	994	907	863	776	830	996
Franklin	337	396	445	434	431	460	422	381	317	301	310	405	468	470	478	525	495	465	407	405	434
Fremont	398	483	485	493	429	414	357	316	289	283	289	494	510	533	476	472	419	386	371	381	405
Greene	362	452	458	442	439	413	392	303	260	260	271	462	482	478	487	471	460	370	334	350	380
Grundy	219	264	264	228	302	340	317	244	220	212	241	270	278	247	335	388	372	298	283	286	338
Guthrie	393	475	487	524	542	526	448	345	344	380	433	486	512	567	601	600	526	421	442	512	607
Hamilton	483	582	584	662	702	724	638	477	414	475	508	595	614	716	779	826	749	582	532	640	712
Hancock	281	360	345	405	435	458	394	354	280	299	324	368	363	438	482	522	462	432	360	403	454
Hardin	636	775	871	991	928	836	685	587	515	546	563	792	916	1072	1029	953	804	717	662	735	789
Harrison	709	785	783	800	822	869	774	668	604	583	578	802	824	865	912	991	908	816	776	785	810
Henry	748	853	848	883	875	834	737	624	506	467	443	872	892	955	971	951	865	762	650	629	621
Howard	261	293	315	378	372	352	307	299	292	310	393	300	331	409	413	401	360	365	375	418	551
Humboldt	275	321	356	353	398	390	335	297	262	310	321	328	375	382	441	445	393	363	337	418	450
Ida	200	211	212	188	201	196	187	119	107	126	145	216	223	203	223	224	219	145	138	170	203
Iowa	309	356	329	350	319	312	285	253	205	210	257	364	346	379	354	356	334	309	263	283	360
Jackson	751	918	964	1047	1032	1017	988	879	825	907	1032	938	1014	1133	1145	1160	1159	1073	1060	1222	1446
Jasper	1020	1139	1166	1199	1340	1294	1172	969	861	916	1014	1164	1227	1297	1486	1476	1375	1183	1106	1234	1421
Jefferson	817	970	980	1030	1040	985	890	731	637	609	589	992	1031	1114	1154	1123	1044	892	819	820	825
Johnson	2521	2810	2582	2431	2371	2225	1852	1500	1298	1246	1214	2872	2716	2630	2630	2538	2173	1831	1668	1678	1701
Jones	597	691	747	706	724	672	605	512	519	559	626	706	786	764	803	766	710	625	667	753	877
Keokuk	582	664	618	597	655	661	668	567	492	467	486	679	650	646	727	754	784	692	632	629	681
Kossuth	411	493	575	624	633	645	577	465	392	415	487	504	605	675	702	736	677	568	504	559	682
Lee	2281	2510	2390	2637	2757	2696	2455	2071	1870	1909	2019	2566	2514	2853	3058	3075	2881	2528	2403	2571	2828
Linn	7211	8073	8207	8518	8361	8202	7516	6418	5709	5893	6340	8252	8634	9215	9274	9354	8820	7836	7336	7938	8882
Louisa	624	672	691	675	657	662	598	491	424	437	464	687	727	730	729	755	702	599	545	589	650
Lucas	575	675	670	665	601	590	527	469	426	424	459	690	705	719	667	673	618	573	547	571	643
Lyon	208	278	278	283	287	279	224	218	200	222	269	284	292	306	318	318	263	266	257	299	377
Madison	318	408	447	449	478	459	419	355	338	315	343	417	470	486	530	523	492	433	434	424	481
Mahaska	1182	1211	1123	1159	1196	1218	1159	1020	903	844	959	1238	1181	1254	1327	1389	1360	1245	1160	1137	1343
Marion	885	1085	1186	1232	1262	1171	1018	855	765	810	889	1109	1248	1333	1400	1335	1195	1044	983	1091	1245
Marshall	2165	2425	2196	2244	2277	2218	1924	1646	1473	1466	1511	2479	2310	2428	2526	2530	2258	2010	1893	1975	2117
Mills	641	724	753	758	685	643	582	480	388	405	415	740	792	820	760	733	683	586	499	546	581
Mitchell	177	204	206	246	279	324	265	220	210	243	264	209	217	266	309	370	311	269	270	327	370

Table 4. Total Annual (in \$1,000s) and Adjusted Total Annual (in 1997 \$1,000s) Food Stamp Benefits in Iowa's Counties, 1987-1997 (continued).

County	Total (in \$s) Benefits Received											Adjusted Total (in 1997 \$s) Benefits Received										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Monona	401	488	525	572	593	634	586	480	429	415	462	499	552	619	658	723	688	586	551	559	647	
Monroe	434	527	559	577	572	558	524	497	477	517	528	539	588	624	634	636	615	607	613	696	740	
Montgomery	638	681	694	649	615	631	517	401	351	327	348	696	730	702	682	720	607	490	451	440	488	
Muscatine	2545	2849	2761	2719	2652	2658	2414	2158	1849	1804	1959	2912	2905	2942	2942	3031	2833	2635	2376	2430	2744	
O'Brien	289	348	374	338	351	363	279	247	220	279	351	356	393	366	389	414	327	302	283	376	492	
Osceola	150	182	188	179	173	170	168	134	128	141	193	186	198	194	192	194	197	164	164	190	270	
Page	789	852	820	853	868	879	842	713	673	645	643	871	863	923	963	1002	988	870	865	869	901	
Palo Alto	258	287	349	396	437	455	410	344	300	314	392	293	367	428	485	519	481	420	386	423	549	
Plymouth	412	439	443	420	416	437	413	391	393	459	536	449	466	454	461	498	485	477	505	618	751	
Pocahontas	265	301	333	338	347	373	337	248	194	200	264	308	350	366	385	425	395	303	249	269	370	
Polk	17610	20751	21484	22643	23693	21300	18647	15570	13413	12840	12646	21212	22601	24496	26280	24292	21883	19009	17236	17296	17716	
Pottawattamie	5125	5809	6100	6443	6453	6282	5610	4557	3832	3552	3292	5938	6417	6970	7158	7164	6584	5563	4924	4785	4612	
Poweshiek	558	690	684	696	700	684	613	480	378	409	463	705	720	753	776	780	719	586	486	551	649	
Ringgold	294	339	316	327	351	330	310	267	251	283	293	347	332	354	389	376	364	326	323	381	410	
Sac	330	398	432	396	377	408	381	316	276	250	290	407	454	428	418	465	447	386	355	337	406	
Scott	10803	12849	13318	13465	13338	12767	11283	9912	8763	8652	8704	13134	14011	14567	14794	14560	13241	12101	11261	11654	12193	
Shelby	356	438	476	442	437	430	388	315	239	269	314	448	501	478	485	490	455	385	307	362	440	
Sioux	393	491	479	400	367	428	408	393	408	418	475	502	504	433	407	488	479	480	524	563	665	
Story	1725	2043	2168	2143	1988	1835	1521	1278	1152	1077	1110	2088	2281	2318	2205	2093	1785	1560	1480	1451	1555	
Tama	475	555	572	631	685	783	687	556	483	519	590	567	602	683	760	893	806	679	621	699	827	
Taylor	319	406	373	372	374	355	346	298	253	259	307	415	392	402	415	405	406	364	325	349	430	
Union	640	827	858	842	830	811	767	673	589	547	577	845	903	911	921	925	900	822	757	737	808	
Van Buren	301	334	341	349	411	399	386	333	293	328	335	341	359	378	456	455	453	407	377	442	469	
Wapello	3070	3301	3136	3148	3166	3180	2898	2542	2400	2514	2741	3374	3299	3406	3512	3627	3401	3103	3084	3386	3840	
Warren	908	998	1178	1323	1396	1325	1150	986	862	842	828	1020	1239	1431	1548	1511	1350	1204	1108	1134	1160	
Washington	586	737	669	683	674	698	635	565	518	532	529	753	704	739	748	796	745	690	666	717	741	
Wayne	361	433	437	418	451	446	390	363	319	356	356	443	460	452	500	509	458	443	410	480	499	
Webster	2347	2673	2732	2809	2972	2863	2593	2226	2013	1965	2054	2732	2874	3039	3297	3265	3043	2718	2587	2647	2877	
Winnebago	313	346	340	362	371	360	331	281	217	203	214	354	358	392	412	411	388	343	279	273	300	
Winneshiek	342	413	428	493	528	505	452	414	405	469	543	422	450	533	586	576	530	505	520	632	761	
Woodbury	4416	4944	5040	5274	5845	6208	5677	4810	4133	4280	4730	5054	5302	5706	6483	7080	6662	5872	5311	5765	6626	
Worth	170	196	223	260	319	315	272	250	196	212	256	200	235	281	354	359	319	305	252	286	359	
Wright	428	532	558	608	590	589	545	474	372	356	393	544	587	658	654	672	640	579	478	480	551	
State of Iowa	120511	138897	141193	145639	147823	143810	129308	111612	99383	100189	106361	141983	148536	157557	163964	164010	151749	136263	127712	134956	149001	

Table 5. Average (in \$s) and Adjusted Average (in 1997 \$s) Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1987-1997.

County	Average (in \$s) Benefits Received Per Person Per Month											Adjusted Average (in 1997 \$s) Benefits Received Per Person Per Month									
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	58.77	60.18	60.14	57.98	59.78	58.85	53.23	48.55	45.86	42.62	40.82	61.52	63.26	62.72	66.31	67.04	62.45	59.39	59.00	57.29	57.12
Adams	58.00	62.33	58.71	54.94	57.99	57.11	56.20	48.55	45.88	45.74	44.83	63.71	61.76	59.44	64.32	65.05	65.94	59.19	58.82	61.67	62.88
Allamakee	58.97	62.39	59.34	57.91	56.83	55.36	51.89	48.04	43.94	42.38	42.09	63.78	62.42	62.65	63.04	63.06	60.84	58.70	56.37	57.16	58.94
Appanoose	62.07	63.97	62.46	60.74	60.13	61.82	57.52	53.55	49.23	46.95	43.57	65.39	65.71	65.72	66.69	70.50	67.50	65.41	63.28	63.28	61.02
Audubon	58.08	59.11	57.92	53.82	54.35	53.78	54.19	48.92	45.45	47.66	44.16	60.42	60.94	58.22	60.29	61.28	63.47	59.80	58.57	64.06	61.74
Benton	59.98	61.89	61.15	60.29	59.83	58.77	57.57	53.03	48.38	46.23	42.85	63.26	64.33	65.22	66.37	67.04	67.61	64.73	62.19	62.27	60.05
Black Hawk	63.66	65.88	64.57	62.16	61.75	61.86	58.10	54.27	50.16	49.00	46.45	67.35	67.93	67.25	68.49	70.55	68.18	66.26	64.46	66.00	65.07
Boone	65.02	68.59	66.17	65.11	65.09	64.90	58.99	53.01	48.15	48.04	45.10	70.12	69.61	70.44	72.19	73.99	69.26	64.76	61.87	64.76	63.21
Bremer	59.24	59.43	60.86	57.71	56.48	57.63	55.02	52.37	46.84	45.82	42.69	60.75	64.03	62.43	62.65	65.78	64.63	63.89	60.22	61.74	59.77
Buchanan	57.04	61.81	59.92	57.45	56.58	58.89	57.23	52.72	48.34	47.10	44.64	63.18	63.04	62.15	62.76	67.14	67.15	64.40	62.14	63.46	62.55
Buena Vista	61.87	61.18	61.97	57.84	58.95	59.77	54.79	51.45	45.56	43.79	40.96	62.54	65.19	62.58	65.39	68.11	64.30	62.78	58.63	58.97	57.39
Butler	54.77	55.66	57.85	54.78	54.03	56.14	55.25	49.94	45.15	43.49	41.67	56.90	60.86	59.26	59.93	63.99	64.82	61.01	58.04	58.63	58.35
Calhoun	56.06	59.00	57.94	56.87	56.08	56.13	53.21	48.21	46.11	43.66	41.64	60.31	60.95	61.53	62.20	64.09	62.45	58.83	59.16	58.74	58.28
Carroll	56.29	56.25	56.48	56.65	56.29	56.78	53.48	49.14	44.52	43.24	40.19	57.50	59.42	61.28	62.43	64.70	62.80	59.97	57.20	58.20	56.36
Cass	55.90	58.93	60.11	56.14	57.45	58.97	56.61	51.81	47.50	46.49	42.81	60.24	63.23	60.73	63.73	67.31	66.39	63.26	61.07	62.59	60.03
Cedar	64.28	65.02	63.83	60.36	62.41	60.79	57.25	53.51	49.74	48.26	46.34	66.46	67.15	65.30	69.23	69.39	67.19	65.33	63.86	65.07	64.91
Cerro Gordo	62.03	63.52	62.04	59.58	60.03	60.64	58.23	53.42	49.03	46.51	44.16	64.93	65.27	64.46	66.59	69.14	68.35	65.21	63.02	62.66	61.85
Cherokee	59.93	61.42	62.80	59.93	58.08	59.66	55.40	50.67	46.17	44.93	43.58	62.79	66.07	64.83	64.43	68.02	65.02	61.91	59.38	60.54	61.08
Chickasaw	56.44	57.36	56.01	54.93	55.67	53.74	53.90	49.39	44.41	44.35	42.87	58.63	58.92	59.42	61.74	61.25	63.29	60.32	57.09	59.65	60.01
Clarke	63.05	65.54	64.99	62.51	59.57	59.24	57.01	53.24	47.73	47.12	44.43	67.00	68.37	67.63	66.07	67.61	66.92	64.95	61.40	63.44	62.19
Clay	60.06	62.50	59.28	55.16	53.89	55.81	52.84	49.49	45.05	42.47	40.47	63.89	62.36	59.68	59.77	63.61	61.96	60.41	57.83	57.23	56.65
Clayton	56.12	60.16	59.11	57.33	54.48	57.16	53.42	49.00	44.76	44.03	42.04	61.50	62.18	62.02	60.43	65.13	62.64	59.85	57.50	59.34	58.94
Clinton	65.25	67.88	66.17	64.20	64.07	65.87	62.37	57.20	52.60	50.46	48.15	69.39	69.61	69.45	71.07	75.13	73.18	69.85	67.61	67.97	67.45
Crawford	61.21	62.67	61.83	59.81	59.28	60.81	56.37	51.13	46.82	45.54	42.68	64.06	65.05	64.71	65.75	69.38	66.09	62.48	60.20	61.32	59.84
Dallas	66.25	68.52	68.97	64.75	64.55	64.03	59.36	55.07	50.71	47.66	45.07	70.04	72.55	70.05	71.60	73.04	69.63	67.22	65.15	64.19	63.14
Davis	62.01	62.68	62.40	62.43	61.23	60.00	56.91	53.32	47.35	45.44	43.64	64.07	65.64	67.54	67.92	68.49	66.83	65.01	60.78	61.25	61.16
Decatur	58.05	59.41	57.70	57.50	56.72	56.29	52.72	48.71	44.18	41.68	40.00	60.73	60.70	62.21	62.91	64.19	61.84	59.40	56.83	56.20	56.05
Delaware	56.10	57.29	57.65	52.49	52.09	54.94	53.06	49.49	45.90	44.35	42.70	58.57	60.65	56.79	57.78	62.60	62.29	60.47	59.00	59.72	59.77
Des Moines	66.84	67.34	66.69	63.47	63.57	63.52	60.21	55.50	50.36	47.61	45.44	68.84	70.15	68.67	70.51	72.45	70.67	67.76	64.71	64.12	63.65
Dickinson	61.36	63.13	63.27	60.40	58.53	57.80	54.55	49.30	45.60	44.86	40.19	64.54	66.56	65.35	64.92	65.90	63.96	60.18	58.59	60.44	56.37
Dubuque	61.64	62.70	61.36	59.39	59.68	60.48	57.73	52.80	48.44	46.47	44.54	64.10	64.55	64.26	66.19	68.98	67.77	64.46	62.25	62.59	62.39
Emmet	55.50	57.08	60.05	57.45	56.72	58.03	57.23	52.96	46.23	42.99	40.80	58.35	63.17	62.15	62.92	66.16	67.13	64.70	59.36	57.97	57.21
Fayette	59.35	61.13	57.73	55.05	54.73	54.54	52.03	47.76	43.88	43.11	42.30	62.49	60.73	59.55	60.70	62.18	61.02	58.33	56.40	58.10	59.28

Table 5. Average (in \$s) and Adjusted Average (in 1997 \$s) Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1987-1997 (continued).

County	Average (in \$s) Benefits Received Per Person Per Month											Adjusted Average (in 1997 \$s) Benefits Received Per Person Per Month										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Floyd	59.24	58.37	59.46	56.61	55.98	54.70	52.02	48.44	42.88	42.26	41.41	59.66	62.56	61.25	62.09	62.39	61.06	59.13	55.16	56.98	58.00	
Franklin	55.23	57.49	58.14	56.01	56.37	57.25	56.41	53.55	48.00	45.47	41.28	58.77	61.16	60.59	62.53	65.33	66.11	65.42	61.73	61.18	57.83	
Fremont	56.03	59.41	60.47	55.94	54.00	54.08	52.56	48.35	42.73	42.60	40.85	60.73	63.62	60.51	59.90	61.68	61.60	59.10	54.88	57.43	57.25	
Greene	57.96	60.30	59.87	55.93	56.83	57.60	54.59	49.51	45.68	43.40	38.83	61.64	62.98	60.51	63.04	65.60	64.03	60.35	58.64	58.44	54.28	
Grundy	63.81	63.15	63.77	59.44	60.80	62.56	60.00	53.13	47.42	47.33	43.76	64.55	67.08	64.30	67.44	71.22	70.40	64.72	60.85	63.68	61.45	
Guthrie	59.39	61.20	58.41	55.98	55.96	57.18	52.76	48.40	45.56	44.03	41.47	62.56	61.45	60.56	62.07	65.26	61.99	59.02	58.56	59.28	58.17	
Hamilton	60.47	64.84	63.10	58.69	60.40	60.60	56.42	50.32	45.16	46.15	44.34	66.28	66.38	63.49	66.99	69.15	66.15	61.47	57.99	62.20	62.14	
Hancock	60.19	61.42	58.89	57.27	55.57	56.76	51.49	46.75	43.31	43.46	40.36	62.79	61.95	61.95	61.64	64.66	60.42	57.13	55.73	58.57	56.51	
Hardin	60.40	61.33	60.72	59.48	58.53	55.86	52.05	50.15	45.11	43.09	42.29	62.69	63.88	64.35	64.93	63.75	61.08	61.20	58.01	58.07	59.26	
Harrison	60.19	58.44	57.51	55.27	54.82	56.47	53.22	49.25	44.75	43.39	40.52	59.74	60.50	59.80	60.80	64.41	62.44	60.17	57.53	58.40	56.80	
Henry	63.48	64.49	63.43	59.75	60.31	59.20	54.82	52.53	47.47	47.44	43.48	65.93	66.73	64.64	66.89	67.49	64.37	64.13	60.98	63.97	60.83	
Howard	56.30	56.49	54.97	54.85	53.95	54.77	51.10	46.54	43.71	43.51	42.38	57.75	57.83	59.34	59.84	62.46	59.85	56.93	56.27	58.65	59.28	
Humboldt	57.08	59.62	57.81	54.24	56.28	55.37	51.86	47.06	43.08	43.38	40.61	60.95	60.82	58.67	62.43	63.22	60.90	57.39	55.43	58.33	56.81	
Ida	58.12	58.89	56.15	53.90	52.25	53.97	50.81	44.59	41.40	42.34	39.29	60.20	59.07	58.32	57.96	61.59	59.58	54.67	53.47	57.03	54.89	
Iowa	60.84	63.92	58.12	57.01	56.72	56.89	55.09	52.36	48.58	44.99	43.76	65.34	61.14	61.68	62.92	64.79	64.60	63.95	62.51	60.47	61.43	
Jackson	60.20	63.12	60.24	58.85	58.25	58.56	56.79	51.77	47.68	46.01	43.86	64.52	63.37	63.66	64.61	66.77	66.61	63.16	61.26	61.98	61.43	
Jasper	64.88	64.17	64.18	60.75	61.64	61.64	57.65	53.27	47.83	46.75	44.19	65.60	67.51	65.73	68.37	70.30	67.67	65.06	61.45	62.98	61.90	
Jefferson	68.74	70.11	69.12	66.01	65.98	64.19	61.85	55.57	50.81	50.60	45.50	71.67	72.72	71.41	73.19	73.18	72.62	67.85	65.29	68.09	63.74	
Johnson	70.62	73.04	71.12	67.30	66.37	65.61	60.69	55.24	51.23	50.00	48.08	74.67	74.82	72.81	73.61	74.83	71.20	67.42	65.86	67.33	67.32	
Jones	62.52	64.05	64.57	59.87	59.19	59.57	55.62	51.45	47.85	46.88	44.09	65.47	67.92	64.77	65.65	67.90	65.21	62.80	61.45	63.18	61.75	
Keokuk	57.72	60.65	60.62	55.82	57.61	59.72	56.84	52.10	48.07	45.50	42.19	61.99	63.77	60.39	63.90	68.16	66.68	63.66	61.74	61.36	59.14	
Kossuth	54.24	57.24	56.98	55.52	54.86	55.13	54.41	48.99	43.01	42.93	40.58	58.51	59.95	60.07	60.85	62.91	63.83	59.82	55.31	57.77	56.91	
Lee	64.53	64.91	63.08	61.70	62.42	62.68	60.21	55.36	50.65	49.49	47.09	66.35	66.36	66.75	69.24	71.50	70.65	67.59	65.10	66.64	65.98	
Linn	67.71	69.37	67.45	64.79	64.59	64.26	61.12	56.59	51.88	50.11	47.75	70.91	70.96	70.10	71.64	73.28	71.73	69.09	66.67	67.50	66.89	
Louisa	65.49	65.27	65.57	62.59	61.82	61.61	58.25	54.90	49.79	48.40	45.04	66.72	68.98	67.71	68.57	70.25	68.41	67.03	64.00	65.20	63.16	
Lucas	61.54	65.01	62.22	59.25	58.55	58.99	55.29	52.98	48.90	45.67	43.72	66.46	65.45	64.09	64.94	67.23	64.87	64.68	62.79	61.51	61.22	
Lyon	54.85	56.94	54.60	51.08	51.81	50.65	47.10	44.04	40.53	41.48	40.00	58.21	57.44	55.26	57.46	57.65	55.27	53.86	51.95	55.89	56.02	
Madison	62.40	63.66	63.41	58.28	59.78	59.41	56.02	53.43	48.96	47.56	43.93	65.07	66.71	63.05	66.31	67.81	65.76	65.19	62.89	63.98	61.57	
Mahaska	64.91	63.89	61.92	60.03	59.18	58.87	55.97	52.08	47.72	45.47	44.07	65.31	65.14	64.94	65.64	67.15	65.69	63.59	61.29	61.28	61.77	
Marion	60.58	63.12	63.33	61.04	62.76	61.97	58.12	52.98	48.55	46.81	44.42	64.52	66.63	66.04	69.61	70.67	68.22	64.70	62.36	63.03	62.24	
Marshall	67.53	68.91	65.13	62.09	62.76	62.58	59.06	55.26	51.10	48.88	45.47	70.44	68.51	67.17	69.61	71.39	69.29	67.46	65.66	65.87	63.68	
Mills	64.85	66.96	65.82	63.26	61.24	59.16	55.75	52.84	49.16	47.00	43.25	68.45	69.24	68.44	67.93	67.41	65.46	64.53	63.19	63.35	60.54	
Mitchell	55.64	56.58	55.83	54.30	55.85	57.69	51.76	47.29	43.10	42.47	41.75	57.83	58.73	58.75	61.95	65.75	60.68	57.82	55.27	57.16	58.42	

Table 5. Average (in \$s) and Adjusted Average (in 1997 \$s) Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1987-1997 (continued).

County	Average (in \$s) Benefits Received Per Person Per Month											Adjusted Average (in 1997 \$s) Benefits Received Per Person Per Month									
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Monona	57.79	59.60	58.00	56.07	56.23	56.04	53.97	48.84	44.25	42.93	40.06	60.92	61.02	60.66	62.37	63.86	63.29	59.61	56.85	57.77	56.08
Monroe	56.19	60.12	59.03	57.82	57.90	59.31	56.83	52.60	48.54	46.79	45.60	61.46	62.10	62.56	64.22	67.68	66.63	64.20	62.34	63.09	63.87
Montgomery	62.97	63.02	60.99	58.01	58.95	60.32	57.47	51.23	46.21	44.59	41.97	64.42	64.16	62.75	65.39	68.79	67.41	62.54	59.30	60.15	58.76
Muscatine	68.07	68.61	67.30	64.17	62.05	61.53	58.92	55.12	50.21	48.45	46.25	70.13	70.80	69.42	68.83	70.16	69.16	67.31	64.51	65.29	64.77
O'Brien	55.78	55.72	55.39	49.87	51.02	51.01	50.00	46.50	43.47	41.83	39.97	56.96	58.27	53.96	56.59	58.24	58.75	56.82	55.87	56.32	55.91
Osceola	58.96	55.45	56.98	56.35	54.27	56.63	53.23	48.70	42.74	41.99	40.76	56.69	59.94	60.96	60.20	64.75	62.43	59.30	55.12	56.43	57.07
Page	58.68	58.32	58.04	54.87	55.90	55.28	51.50	48.18	44.99	43.10	40.26	59.62	61.05	59.36	62.00	63.01	60.44	58.82	57.81	58.10	56.44
Palo Alto	53.64	53.17	55.68	53.49	56.77	56.23	51.74	45.85	42.37	42.10	41.01	54.36	58.57	57.87	62.97	64.15	60.66	55.90	54.45	56.76	57.53
Plymouth	56.38	56.98	55.47	53.01	53.37	53.53	50.00	46.03	43.10	42.63	42.23	58.25	58.35	57.35	59.20	61.06	58.74	56.28	55.36	57.48	59.23
Pocahontas	55.97	56.57	55.44	53.56	54.02	57.17	53.22	48.94	45.89	43.01	41.35	57.83	58.33	57.95	59.92	65.22	62.48	59.67	58.95	58.03	57.92
Polk	70.94	72.40	71.61	69.23	71.80	67.27	63.71	58.27	52.91	50.47	47.04	74.01	75.34	74.90	79.64	76.72	74.76	71.14	67.99	67.99	65.90
Pottawattamie	67.81	69.03	67.80	64.98	64.30	64.23	61.61	56.82	51.66	49.65	45.50	70.56	71.32	70.29	71.32	73.26	72.31	69.38	66.39	66.88	63.74
Poweshiek	63.90	66.59	64.48	61.30	61.65	61.29	57.22	51.61	47.95	46.33	42.84	68.07	67.83	66.32	68.39	69.87	67.16	62.96	61.61	62.40	59.99
Ringgold	56.25	58.08	56.76	53.34	55.09	55.67	53.75	47.54	44.66	43.54	40.13	59.37	59.71	57.71	61.11	63.55	63.12	58.07	57.36	58.59	56.28
Sac	52.33	55.71	56.82	54.71	53.27	55.65	52.74	47.05	41.97	39.32	38.29	56.95	59.78	59.19	59.09	63.53	61.85	57.48	53.96	52.98	53.63
Scott	69.12	70.71	70.10	67.47	67.47	66.90	62.81	58.83	54.21	52.04	49.23	72.28	73.74	72.99	74.84	76.30	73.71	71.82	69.66	70.09	68.96
Shelby	56.79	61.55	59.33	58.40	55.29	54.49	54.27	49.44	44.92	44.53	41.30	62.92	62.42	63.18	61.33	62.21	63.60	60.28	57.72	60.09	57.92
Sioux	56.21	58.33	54.10	50.76	50.14	50.57	47.75	42.60	39.63	39.32	36.53	59.63	56.91	54.92	55.62	57.62	56.09	51.94	50.93	52.98	51.14
Story	70.77	74.41	73.90	71.31	68.41	65.96	60.56	55.85	52.26	49.50	45.37	76.06	77.74	77.15	75.88	75.22	71.09	68.18	67.14	66.71	63.54
Tama	60.06	61.15	60.87	57.57	57.86	59.38	56.69	52.85	48.85	46.80	43.01	62.51	64.04	62.28	64.18	67.76	66.56	64.55	62.71	63.09	60.22
Taylor	54.15	56.56	54.68	55.88	55.69	57.03	50.97	45.26	40.73	40.83	39.26	57.82	57.53	60.46	61.77	65.04	59.90	55.24	52.27	54.99	54.99
Union	60.93	62.67	62.93	59.07	57.51	58.63	55.47	51.00	46.10	43.89	41.47	64.07	66.20	63.91	63.78	66.84	65.07	62.27	59.25	59.09	58.10
Van Buren	61.04	60.59	59.83	58.98	58.11	58.45	55.83	51.10	46.39	44.68	41.85	61.94	62.94	63.81	64.46	66.70	65.60	62.34	59.66	60.25	58.53
Wapello	62.68	64.69	61.80	60.63	60.49	60.71	57.54	53.85	50.42	47.87	45.33	66.13	65.02	65.60	67.10	69.23	67.53	65.73	64.79	64.48	63.50
Warren	64.71	65.62	66.00	63.40	63.65	62.59	58.49	55.29	50.28	48.55	44.63	67.08	69.43	68.59	70.60	71.36	68.65	67.53	64.64	65.39	62.56
Washington	60.78	64.52	61.09	58.77	58.48	60.02	56.04	51.87	48.76	47.74	44.59	65.96	64.26	63.58	64.87	68.50	65.79	63.30	62.63	64.37	62.47
Wayne	57.90	59.45	56.61	53.77	54.10	54.56	51.59	47.86	44.41	42.49	39.31	60.77	59.56	58.17	60.00	62.30	60.58	58.48	57.11	57.16	55.15
Webster	62.71	64.42	63.38	61.32	61.36	61.43	57.63	53.12	48.44	46.74	43.74	65.86	66.67	66.33	68.06	70.05	67.61	64.85	62.26	62.97	61.26
Winnebago	57.14	59.13	57.67	57.44	57.97	56.82	52.99	49.37	45.25	43.70	38.91	60.45	60.67	62.14	64.30	64.71	62.28	60.16	58.20	58.71	54.37
Winneshiek	52.03	55.27	55.16	54.19	55.27	55.39	52.65	49.01	45.11	44.69	42.64	56.49	58.03	58.63	61.30	63.19	61.80	59.79	57.99	60.15	59.79
Woodbury	64.71	65.12	64.33	60.64	60.55	60.28	56.86	52.43	47.64	46.16	43.53	66.57	67.68	65.61	67.17	68.76	66.73	64.01	61.22	62.17	60.99
Worth	59.39	60.44	60.18	59.75	59.28	59.10	55.10	51.11	46.05	43.89	44.01	61.78	63.31	64.64	65.76	67.35	64.60	62.38	59.20	59.28	61.66
Wright	58.70	61.20	59.95	58.98	59.35	57.56	57.16	53.89	49.84	46.19	42.82	62.56	63.07	63.81	65.83	65.62	67.01	65.73	64.06	62.24	59.95
State of Iowa	64.61	66.17	65.05	62.50	62.66	61.99	58.61	54.08	49.47	47.65	44.90	67.64	68.43	67.61	69.50	70.70	68.78	66.03	63.57	64.19	62.90

Table 6. Percentage Changes in Population, Persons Receiving Food Stamps, Adjusted Total Annual Food Stamp Benefits, and Adjusted Average Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1987-1997.

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1997 \$s) Total Annual Food Stamp Benefits			Adj. (1997 \$s) Avg. Food Stamp Benefits Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Adair	-0.1	-1.8	-3.7	-16.3	-10.2	-24.7	-20.1	-21.4	-22.7	-4.5	-12.3	2.9
Adams	-0.7	-5.0	-15.3	-14.6	-29.1	-40.8	-22.4	-36.8	-45.4	-9.0	-10.8	-7.8
Allamakee	-0.4	0.1	-1.2	1.2	-8.4	-30.9	-6.6	-14.4	-30.9	-7.5	-6.5	0.0
Appanoose	-0.7	-2.2	-4.3	-9.9	-12.7	-18.8	-14.5	-23.1	-17.5	-5.1	-12.0	1.7
Audubon	-0.7	-4.3	-10.4	-3.9	-26.5	-36.4	-7.3	-30.4	-40.1	-3.9	-5.2	-5.9
Benton	1.3	9.4	12.6	-6.8	-29.2	-28.9	-11.7	-36.7	-29.0	-5.2	-10.5	-0.1
Black Hawk	-0.6	-2.2	-1.9	-5.8	-10.3	-27.9	-10.9	-19.1	-29.5	-5.5	-9.8	-2.2
Boone	1.1	3.4	4.0	-14.2	-26.6	-20.0	-20.4	-35.4	-17.6	-7.3	-12.1	2.9
Bremer	-0.1	1.1	2.6	-19.1	-23.4	-52.1	-21.2	-31.0	-52.5	-2.5	-9.9	-0.9
Buchanan	-0.1	0.8	1.7	-17.9	-33.6	-54.4	-25.8	-43.6	-58.5	-9.7	-15.0	-8.8
Buena Vista	-1.3	-2.5	-2.7	-5.7	-13.5	-8.9	-6.6	-21.4	-1.7	-1.1	-9.2	7.8
Butler	-0.1	-0.5	-1.8	-21.8	-30.2	-51.4	-24.8	-40.2	-54.4	-3.7	-14.4	-6.1
Calhoun	-0.5	-0.8	-2.8	-10.1	-20.2	-33.1	-16.6	-30.3	-35.8	-7.0	-12.5	-3.8
Carroll	0.6	1.2	-0.3	-11.9	-14.0	-28.0	-13.8	-25.1	-28.0	-2.1	-13.0	-0.1
Cass	-0.9	-1.8	-4.4	-12.9	-25.3	-15.4	-19.2	-38.0	-21.1	-7.2	-16.9	-6.9
Cedar	1.0	1.7	2.8	-12.5	-15.4	-23.1	-15.4	-21.7	-23.8	-3.3	-7.4	-1.0
Cerro Gordo	-0.0	-0.9	-2.1	-14.8	-19.7	-12.2	-18.6	-28.0	-11.9	-4.5	-10.3	0.3
Cherokee	-0.2	-3.9	-7.5	-13.6	-24.8	-36.5	-17.5	-33.9	-37.9	-4.6	-11.9	-1.9
Chickasaw	0.1	1.3	-2.0	-15.2	-29.6	-56.9	-18.5	-35.1	-59.5	-3.7	-7.9	-6.0
Clarke	-0.3	-1.3	-1.3	-18.6	-23.6	-20.2	-23.4	-28.7	-18.9	-5.9	-6.7	1.4
Clay	0.3	-0.8	1.6	-10.1	-33.9	-44.4	-15.5	-37.6	-41.1	-6.0	-5.6	6.0
Clayton	-0.1	0.1	-3.2	-13.5	-33.7	-57.0	-21.1	-42.9	-59.1	-8.7	-13.8	-4.8
Clinton	-0.3	-2.0	-2.9	-12.3	-14.5	-16.6	-17.5	-25.7	-19.3	-6.0	-13.1	-3.3
Crawford	-0.2	-1.7	-6.9	-17.5	-5.3	-5.9	-21.2	-16.4	-3.7	-4.4	-11.8	2.3
Dallas	3.7	15.1	24.1	-18.4	-28.4	-30.2	-22.8	-35.0	-26.7	-5.4	-9.3	4.9
Davis	0.3	1.2	-1.7	-8.5	-35.9	-55.0	-11.3	-42.0	-54.5	-3.2	-9.5	1.4
Decatur	-0.6	0.7	-4.3	-14.7	-14.0	-6.7	-18.5	-22.3	-3.3	-4.4	-9.6	3.6
Delaware	0.4	0.8	2.9	-14.8	-27.3	-56.6	-18.2	-34.8	-59.3	-4.2	-10.4	-6.1
Des Moines	-0.7	-1.7	-1.9	-4.3	-5.5	3.1	-7.1	-12.8	8.3	-2.9	-7.7	5.0
Dickinson	1.6	4.9	9.0	-6.6	-11.7	-16.2	-11.2	-17.7	-8.8	-4.9	-6.9	8.8
Dubuque	-0.3	0.8	1.1	-10.1	-17.9	-39.2	-13.6	-26.7	-39.9	-3.8	-10.6	-1.2
Emmet	-0.9	-5.8	-6.2	-13.8	-42.1	-44.1	-17.9	-51.4	-45.8	-4.9	-16.1	-3.0
Fayette	-0.0	0.1	-0.0	-8.9	-23.1	-33.5	-13.4	-26.6	-33.4	-5.0	-4.5	0.1
Floyd	-0.4	-2.8	-6.1	-11.3	-24.9	-30.3	-12.0	-28.7	-28.8	-0.7	-5.1	2.1
Franklin	-1.2	-2.7	-7.8	-11.5	-24.1	-18.7	-16.8	-35.8	-22.4	-6.0	-15.5	-4.5
Fremont	-1.2	-4.2	-9.6	-12.7	-7.2	0.3	-19.4	-15.7	-1.7	-7.7	-9.2	-2.1
Greene	-0.2	-0.4	-4.5	-16.6	-13.0	-10.5	-21.6	-23.1	-4.7	-6.0	-11.7	6.8
Grundy	0.0	1.8	-1.2	-18.1	-37.0	-37.4	-18.9	-43.6	-35.2	-1.2	-10.4	3.8
Guthrie	0.3	2.3	3.5	-14.8	-28.1	-36.5	-19.1	-34.5	-35.3	-5.1	-9.0	2.1
Hamilton	-0.1	-0.4	-3.1	-11.1	-33.2	-30.3	-18.8	-41.5	-32.2	-8.8	-12.6	-2.7
Hancock	-1.0	-2.7	-6.7	-20.4	-42.2	-41.9	-23.6	-46.2	-38.1	-4.1	-6.9	6.5
Hardin	-0.6	-1.4	-5.7	-16.7	-29.6	-20.9	-19.7	-33.3	-19.4	-3.7	-5.3	1.9
Harrison	0.8	4.5	1.1	-12.4	-23.5	-17.4	-11.6	-28.5	-12.5	0.8	-6.6	6.0
Henry	0.1	1.8	4.7	-10.9	-16.4	15.4	-14.2	-21.3	20.5	-3.7	-5.9	4.4
Howard	-0.3	-1.8	-4.2	-10.4	-27.7	-50.0	-13.0	-34.9	-52.6	-2.5	-9.9	-5.0
Humboldt	0.0	-1.5	-5.0	-10.5	-31.5	-39.1	-16.2	-38.2	-38.9	-6.3	-9.7	0.5
Ida	-1.5	-4.2	-5.3	-4.0	-5.0	-6.8	-7.4	-10.7	-1.5	-3.4	-5.6	5.9
Iowa	0.7	4.8	5.2	-8.8	-7.4	-13.5	-15.1	-13.2	-14.2	-6.9	-6.1	-1.0
Jackson	-0.3	0.1	-3.4	-14.3	-28.2	-47.0	-19.9	-35.3	-48.1	-6.7	-9.8	-2.0
Jasper	0.7	2.5	3.3	-11.4	-25.1	-31.5	-12.4	-30.9	-28.2	-1.1	-7.7	4.8

Table 6. Percentage Changes in Population, Persons Receiving Food Stamps, Adjusted Total Annual Food Stamp Benefits, and Adjusted Average Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1987-1997 (cont.).

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1997 \$s) Total Annual Food Stamp Benefits			Adj. (1997 \$s) Avg. Food Stamp Benefits Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Jefferson	1.1	3.4	4.4	-14.1	-22.6	-8.2	-17.6	-27.2	-1.0	-4.1	-6.1	7.8
Johnson	0.7	4.4	13.1	-7.2	5.3	41.3	-12.2	-0.7	48.2	-5.4	-5.6	4.9
Jones	-0.3	2.7	6.6	-11.5	-15.3	-32.8	-15.4	-22.1	-31.9	-4.5	-7.9	1.2
Keokuk	-0.3	-0.9	-3.4	-7.9	-8.8	-12.5	-14.3	-22.8	-14.5	-6.9	-15.3	-2.4
Kossuth	-0.3	-1.7	-6.5	-11.9	-35.1	-36.7	-18.5	-44.2	-39.7	-7.3	-13.8	-4.7
Lee	-0.3	-1.0	-2.6	-8.6	-17.8	-17.5	-11.1	-25.8	-19.3	-2.7	-9.7	-2.2
Linn	1.0	5.0	10.6	-8.5	-16.6	-19.8	-12.6	-22.9	-18.8	-4.5	-7.6	1.2
Louisa	-0.3	4.3	2.6	-7.5	-11.4	-7.4	-9.2	-17.4	-4.0	-1.9	-6.8	3.7
Lucas	0.6	0.3	-3.4	-10.1	-6.7	-11.2	-16.7	-14.6	-10.6	-7.4	-8.5	0.5
Lyon	0.3	-0.0	0.5	-22.4	-31.3	-43.6	-26.8	-34.6	-44.8	-5.8	-4.9	-2.1
Madison	1.0	7.5	12.0	-20.4	-33.9	-34.7	-23.7	-39.2	-33.9	-4.1	-8.0	1.4
Mahaska	0.2	1.4	1.6	-3.9	-11.9	-16.3	-4.5	-14.9	-12.0	-0.6	-3.3	5.1
Marion	0.4	3.5	5.6	-15.0	-22.7	-27.0	-20.2	-33.7	-28.9	-6.1	-14.3	-2.7
Marshall	0.2	2.7	0.1	-8.9	-9.5	-3.6	-12.7	-14.4	2.3	-4.1	-5.4	6.1
Mills	2.8	7.7	8.9	-8.5	-9.1	3.0	-13.4	-12.6	10.3	-5.3	-3.8	7.1
Mitchell	-0.0	2.1	-0.7	-12.0	-43.4	-49.7	-15.3	-52.2	-52.2	-3.8	-15.4	-4.8
Monona	0.3	-0.1	-3.3	-15.2	-38.8	-39.9	-19.6	-44.5	-38.0	-5.1	-9.5	3.1
Monroe	-0.5	-1.8	-2.5	-11.9	-17.9	-33.3	-19.5	-31.8	-41.4	-8.6	-17.0	-12.0
Montgomery	0.1	0.0	-1.5	-6.2	-3.2	22.1	-8.3	-11.4	30.7	-2.2	-8.5	7.2
Muscatine	0.1	1.0	4.2	-10.0	-13.4	-11.8	-12.6	-16.0	-7.3	-2.9	-3.0	5.1
O'Brien	-0.7	-3.6	-4.4	-16.9	-27.0	-41.1	-18.8	-30.2	-41.3	-2.1	-4.2	-0.2
Osceola	-0.8	-2.9	-4.9	-22.6	-14.9	-46.3	-19.4	-22.7	-44.4	4.0	-8.9	3.3
Page	-0.8	2.9	0.9	-7.9	-15.5	-15.7	-9.4	-21.3	-12.4	-1.6	-6.9	4.0
Palo Alto	-0.3	-4.1	-8.3	-10.7	-40.5	-49.6	-11.9	-50.3	-53.0	-1.3	-16.4	-6.8
Plymouth	0.5	4.3	4.6	-5.1	-10.4	-42.3	-8.2	-17.3	-45.1	-3.2	-7.7	-4.8
Pocahontas	-1.3	-5.0	-11.8	-11.0	-27.4	-25.8	-14.0	-37.6	-28.4	-3.2	-14.2	-3.4
Polk	0.3	4.8	13.2	-13.4	-21.6	-7.7	-17.0	-27.5	-0.6	-4.2	-7.5	7.6
Pottawattamie	0.7	2.4	1.9	-10.2	-22.7	4.5	-13.7	-28.5	11.1	-3.9	-7.4	6.4
Poweshiek	0.1	0.4	1.3	-15.6	-21.7	-19.2	-20.9	-28.5	-14.0	-6.1	-8.5	6.5
Ringgold	-0.3	-1.0	-1.7	-10.5	-11.9	-28.5	-15.3	-21.8	-28.3	-5.2	-11.5	-0.1
Sac	-0.7	-2.2	-5.3	-11.7	-13.9	-16.8	-18.9	-29.0	-18.7	-8.1	-17.6	-2.4
Scott	0.3	1.6	4.3	-14.0	-18.1	-11.6	-17.7	-25.8	-11.4	-4.4	-9.4	0.2
Shelby	0.4	-0.8	-2.6	-11.8	-20.4	-17.2	-20.5	-27.3	-19.1	-9.7	-8.7	-2.0
Sioux	0.1	2.3	5.0	-17.0	-17.4	-46.2	-21.7	-19.5	-40.9	-5.7	-2.4	9.9
Story	0.0	0.4	1.7	-11.2	-12.4	-0.4	-17.4	-17.6	10.9	-7.0	-5.9	11.4
Tama	-0.0	1.2	-0.9	-12.8	-40.0	-42.4	-16.2	-46.8	-42.6	-3.9	-11.4	-0.3
Taylor	-0.3	1.3	-3.5	-17.9	-5.4	-24.7	-23.1	-21.2	-25.8	-6.4	-16.8	-1.5
Union	-0.8	-0.7	-3.1	-20.4	-24.0	-24.5	-24.3	-30.8	-20.8	-4.9	-8.8	4.9
Van Buren	1.0	1.3	-0.6	-10.5	-27.6	-38.6	-11.7	-33.8	-35.8	-1.4	-8.5	4.3
Wapello	-0.7	-1.4	-2.4	-4.0	-6.5	-19.0	-9.0	-15.4	-20.1	-5.2	-9.5	-1.3
Warren	0.8	6.7	13.4	-7.7	-33.7	-24.3	-11.0	-39.9	-21.7	-3.5	-9.3	3.4
Washington	0.8	3.2	6.8	-15.5	-16.9	-18.7	-22.2	-26.4	-20.9	-7.9	-11.3	-2.7
Wayne	-0.2	-2.2	-5.7	-14.3	-23.5	-30.9	-18.5	-29.1	-27.7	-4.7	-7.1	5.0
Webster	-0.8	-3.7	-6.1	-9.8	-19.7	-20.3	-14.1	-28.1	-18.4	-4.8	-10.5	2.4
Winnebago	0.4	1.3	0.2	-6.4	-13.6	-0.9	-11.6	-23.8	4.3	-5.5	-11.7	5.1
Winneshiak	-0.3	-0.4	-0.3	-12.0	-27.9	-48.3	-19.0	-40.6	-55.1	-7.9	-17.7	-13.0
Woodbury	-0.4	2.1	5.5	-10.1	-33.7	-37.2	-12.6	-37.6	-33.4	-2.8	-5.9	6.1
Worth	-1.2	-1.5	-5.2	-11.9	-46.5	-50.8	-15.0	-52.6	-52.6	-3.9	-11.8	-3.7
Wright	-0.8	-0.5	-1.8	-16.2	-28.8	-20.8	-21.3	-36.3	-22.3	-6.2	-10.5	-2.1
State of Iowa	0.2	1.6	3.1	-11.1	-19.6	-21.3	-15.1	-26.5	-19.1	-4.5	-8.6	2.7

the later year. Two had decreases greater than 2,000, with Polk (-3,195) the highest. Only Allamakee (+7) reported an increase between 1996 and 1997.

Comparing 1987 and 1997, Iowa had an average of 41,983 fewer persons in the food stamp program at the end of the period. All but seven counties followed this trend, with Black Hawk, Buchanan, Dubuque, Linn, Polk, Scott, and Woodbury counting at least 1,000 fewer in 1997 than in 1987. Only Johnson had an increase of more than 500; four others had gains greater than 100.

A review of the entire period indicates that most counties declined in the years 1987 through 1989, although gains took place in most counties from 1989 to 1993. In 1994-1997, declines again occurred.

Percentage of the Population Receiving Food Stamps

An average of 5.4 percent of Iowa's population received food stamps each month during 1997 (Table 3). The percentage for the state had been 6.1 the previous year. In 1997, 63 counties averaged a lower percentage of residents receiving food stamps than did the state. Thirteen counties had less than 3 percent of their populations in the food stamp program; Sioux was the only one of these below 2 percent. Thirty-six counties in 1997 had a higher percentage of residents receiving food stamps than the state total. Three (Appanoose, Decatur, Wapello) listed more than 10.0 percent of their populations in the program, with the highest at 12.1 percent in Appanoose (Figure 2).

All but Allamakee (+0.1%) had lower percentages of their populations in the food stamp program in 1997 than in 1996. Percentage point changes in either direction were small, however; none of the counties had changes of even two percentage points. In 1987, two counties reported less than 3 percent of their population receiving food stamps; 13 counties were below this level in 1997. At the other extreme, only three counties listed at least 10 percent receiving food stamps in 1997, which was a drop from the 10 in this category in 1987. In 1987, Appanoose County had 14.2 percent of its residents receiving food stamp assistance; that was the highest monthly average for any county during these 11 years.

Total Annual Benefits Received

In 1997, Iowa distributed more than \$120 million in food stamp benefits (Table 4, Figure 3). This was \$18 million less than the total in 1996. Total cost of the program grew substantially from 1989 to 1993 but declined from that year to the present.

Benefits were greater in Polk (\$17.6 million) than any other county, followed by Scott (\$10.8 million), Black Hawk (\$8.3 million), and Linn (\$7.2 million). In contrast, Audubon, Mitchell, Osceola, and Worth each reported less than \$200,000 in food stamp benefits.

Comparing 1997 with 1987 shows that state benefits increased by more than \$14 million; 55 counties had higher benefits in the more recent year. Johnson, Polk, Pottawattamie, and Scott experienced the largest increases. Of the 44 counties with lower benefits in 1997 than 1987, Buchanan, Delaware, Dubuque, and Woodbury were the only ones in which the decline exceeded \$300,000.

Iowa's total food stamp benefits increased 13.3 percent between 1987 and 1997. Only Johnson experienced a gain greater than 100 percent during this period. Five others (Henry, Mills, Montgomery, Pottawattamie, Story) increased at least four times the state's rate.

When inflation is taken into account, total food stamp benefits decreased by \$28.5 million from 1987 to 1997 in Iowa (Table 4). Ninety counties followed the statewide trend. That's in direct contrast to changes noted before the adjustment for inflation, when 55 had higher benefits in 1997 than in 1987. This indicates the importance of examining the influence of inflation on benefits received.

Average Monthly Benefits Per Person

The average amount provided in monthly benefits can be calculated by dividing the total benefits received by the number of recipients and dividing the result by 12. In 1997, each person in the food stamp program averaged a monthly benefit of \$64.61, which was \$1.56 lower than the average benefit in 1996 (Table 5, Figure 4).

Iowa's counties varied significantly in the average monthly benefit received (Figure 5). The average of \$52.03 in Winneshiek was lowest in 1997; it was one of seven counties with an average less than \$55.00. Benefits greater than \$70.00 occurred in Johnson, Polk, and Story, with Polk's average of \$70.94 the highest.

Thirteen counties averaged more benefits per person in 1997 than one year earlier. All counties reported higher average monthly benefits in 1997 than in 1987. The monthly benefit increased 43.9 percent in Iowa over this period. Adams, Buchanan, Monroe, and Winneshiek were the only counties with gains under 30 percent. These figures can be compared against the rate of inflation, which was 40.1 percent as measured by the change in the consumer price index from 1987 to 1997.

When adjusted for inflation, however, the changes in average monthly benefits are modest (Table 5). For example, the change was a \$3.03 decline between 1996 and 1997 after inflation was incorporated in the calculations. From 1987 to 1997, the inflation-adjusted gain was \$1.71, which was far less than the \$19.71 reported before inflation was taken into account.

Changes Between 1987 and 1997

Changes in total benefits are affected by population trends, participation in the program, and benefits provided per person. Annual population estimates indicate that Iowa's population grew by 3.1 percent between 1987 and 1997. Increases occurred in 39 counties (Table 6). Population change, however, did not necessarily relate to either the direction or the magnitude of participation in the food stamp program.

Of the 60 counties that declined in population, 57 had fewer people in the food stamp program in 1997 than in 1987 and three experienced increased numbers receiving food stamps (Table 6). In the 57 counties in which both population and program participation declined, the percentage changes in these factors varied widely. For example, Winneshiek's population was estimated to have decreased by 0.3 percent but food stamp participants dropped by 48.3 percent; on the other hand, Ida had 5.3 percent fewer people and a 6.8 percent decline in food stamp recipients.

Changes in participation in the food stamp program varied in the 39 counties that gained population between 1987 and 1997 as well. Four had more persons in the food stamp program at the end of the period than the beginning while 35 had fewer. Obviously, factors other than population trends affect participation in the food stamp program; changes in jobs and income would need to be incorporated to better understand these variations.

Change in the number of recipients has a significant impact on change in adjusted total benefits. Changes in recipients and in benefits between 1987 and 1997 were in the same direction (both up or both down) and of similar magnitude in all but four counties (Table 6). Three of these four (Marshall, Story, Winnebago) reported decreases in recipients but increases in adjusted total annual benefits, while Fremont had a slight increase in recipients and a decline in adjusted total benefits.

Figure 1. Average number of persons receiving food stamps in Iowa, 1980-1997.

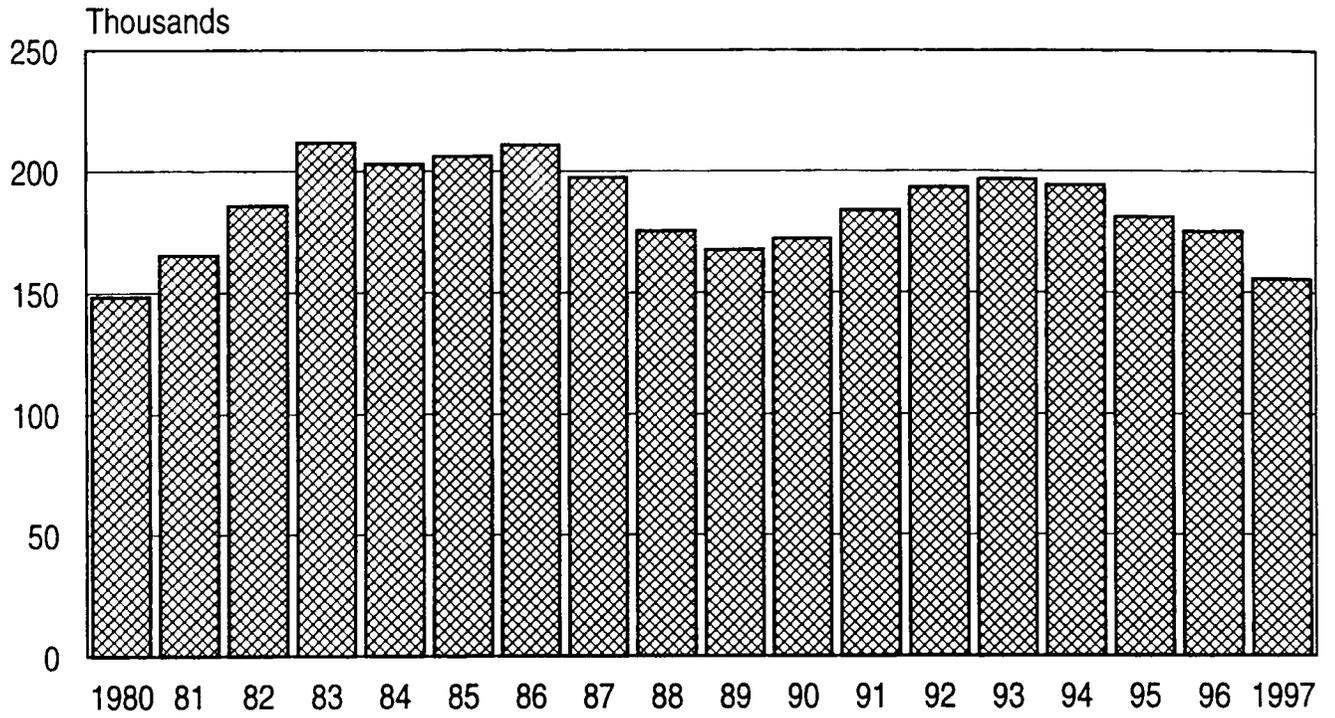


Figure 2. Percent receiving food stamps, 1997.

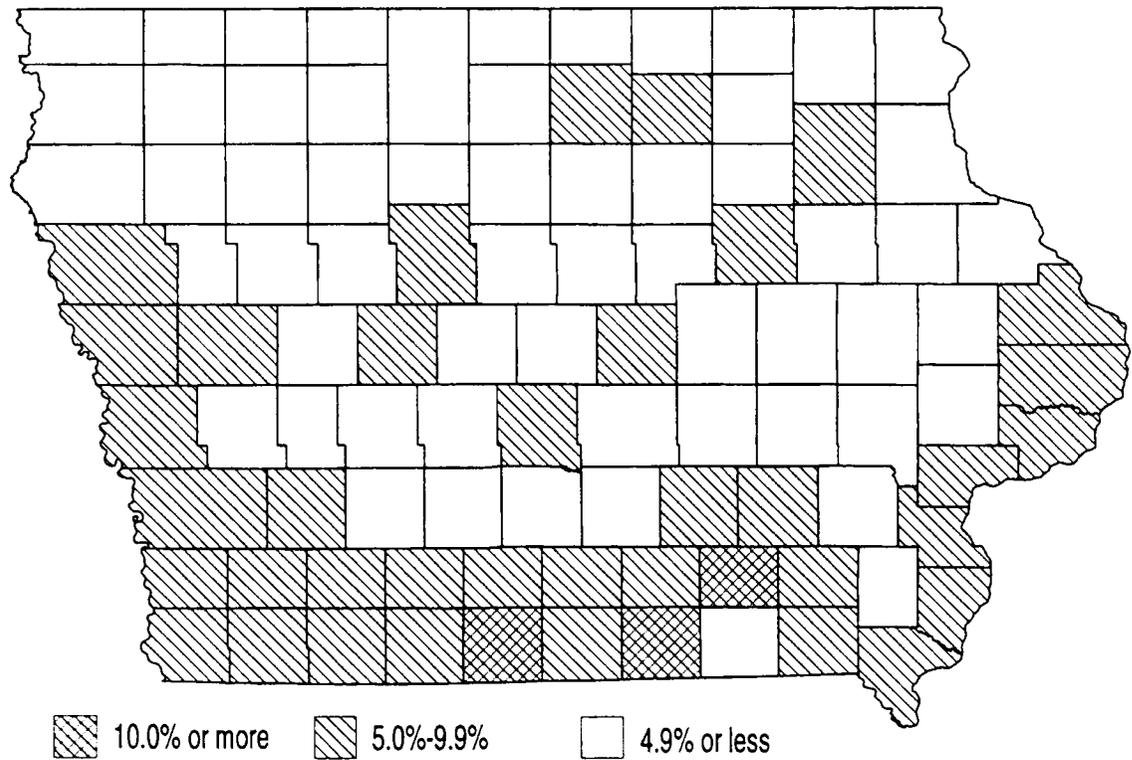


Figure 3. Total annual food stamp benefits in Iowa, 1980-1997.

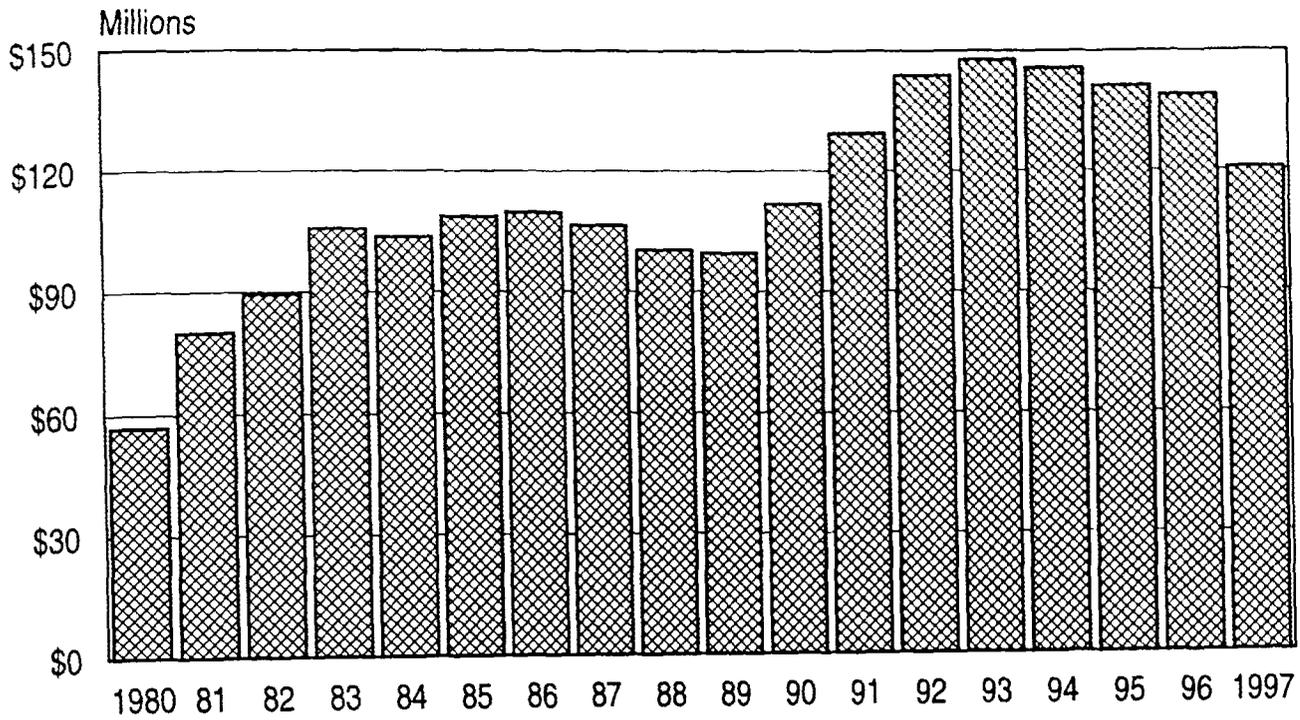
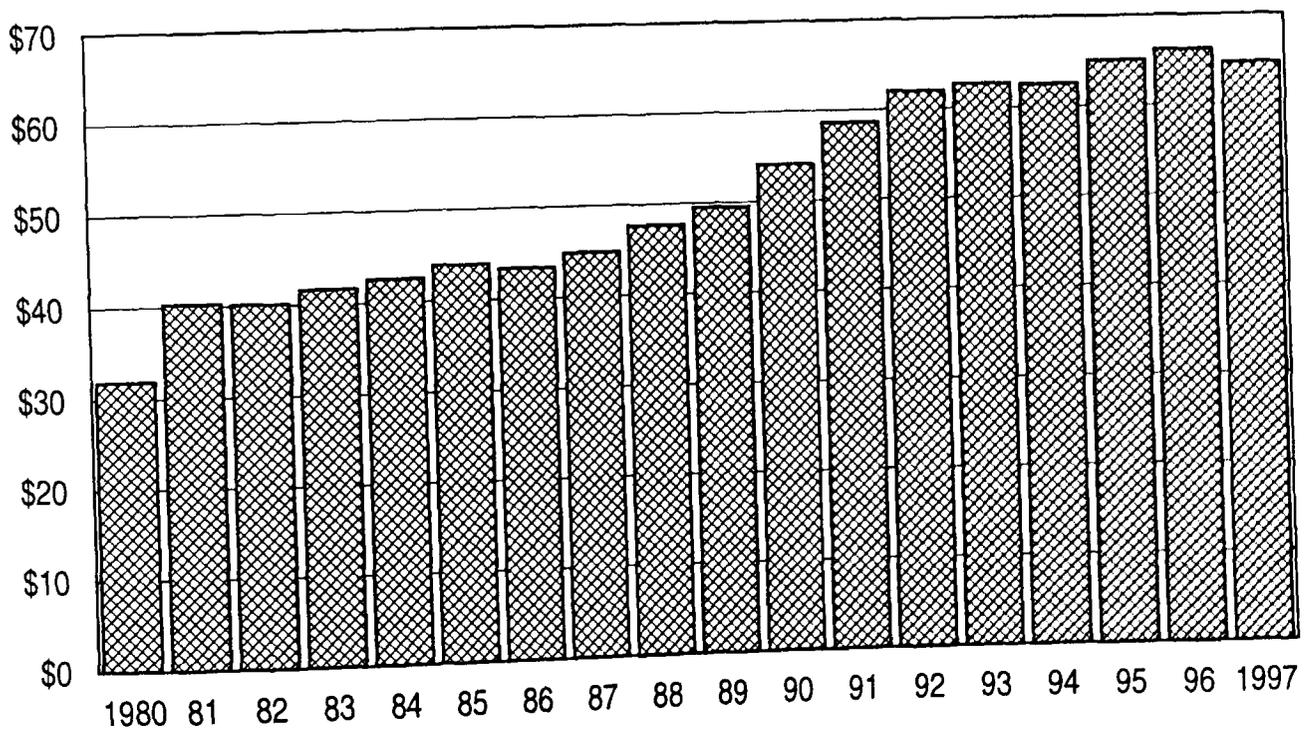


Figure 4. Average monthly food stamp benefits (in \$) per recipient in Iowa, 1980-1997.



Medical Assistance Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1987-1997

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Medical assistance is provided to Iowans under Title XIX of the Social Security Act. Assistance is provided in a variety of areas, including in- and outpatient hospital services, skilled and intermediate care nursing facilities, and physician, clinic, laboratory, ambulance, and home health services, among others. For the most part, this program is known as Medicaid, although it also serves some others with medical needs. The Iowa Department of Human Services administers the program and maintains information on the number of persons eligible for benefits and the amount received each month. Eligibility is determined primarily on the basis of income, although other factors enter as well. For this report, averages of those eligible for benefits and actual benefits paid were calculated for each year from 1987 through 1997; numbers from monthly reports were summed and divided by 12.

Persons Eligible for Title XIX Assistance

In 1997, Iowa averaged 217,000 persons eligible for Title XIX medical benefits each month (Table 1). While there was year-to-year variation, there was a general upward trend from 1987 to 1994 followed by annual declines from 1994 to 1997. The most recent decrease of 9,600 was the largest in that period.

Polk averaged 27,200 persons eligible for medical assistance each month in 1997, the highest of any county. Black Hawk, Linn, and Scott were the only other counties with more than 10,000. Adams, Audubon, Grundy, Ida, Osceola, and Worth were the only counties with fewer than 500 persons eligible for Title XIX assistance.

The state averaged 34,800 more persons eligible for the Title XIX program in 1997 than in 1987. All counties but eight (Buchanan, Butler, Davis, Delaware, Grundy, Jackson, Mills, Worth) followed that pattern with more persons eligible for the program at the end of the period than at the beginning. Seven (Des Moines, Johnson, Linn, Polk, Pottawattamie, Scott, Story) reported at least 1,000 more persons eligible in 1997 than in 1987. Forty-three had fewer than 200 more eligible in 1997 than 10 years earlier.

Iowa had 19.1 percent more persons eligible for Title XIX assistance in 1997 than in 1987. Fifty-two counties had percentage increases larger than that for the state. Johnson and Lyon had gains greater than 75 percent; Buchanan, Butler, Davis, Delaware, and Worth had decreases of more than 10 percent.

Percentage of the Population Eligible for Title XIX Assistance

In 1997, an average of 7.6 percent of Iowa's population was eligible for the program (Table 1). The percentages were somewhat higher in recent years than in the late 1980s. For the counties in 1997, the percentage of the population that was eligible for medical assistance ranged from less than 5 percent in 13 counties to 10 percent or more in 18 others. Residents eligible for the program accounted for less than 4 percent of the total population in Grundy, Johnson, Osceola, Plymouth, and Story; the percentage was more than 10 points greater in Appanoose and Wapello.

Table 1. Average Monthly Number Eligible for Title XIX Benefits and Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa's Counties, 1987-1997.

County	Average Monthly Number Eligible for Title XIX Benefits											Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	579	621	595	603	561	509	477	445	375	368	423	7.0	7.5	7.2	7.3	6.7	6.1	5.7	5.3	4.4	4.3	4.9
Adams	442	452	473	487	452	443	420	362	329	336	376	10.0	10.2	10.5	10.7	9.8	9.5	8.9	7.4	6.6	6.6	7.2
Allamakee	972	978	979	982	975	933	782	716	685	671	697	6.9	7.0	6.9	7.0	7.0	6.7	5.6	5.2	4.9	4.7	4.9
Appanoose	1960	2081	2057	2061	2010	1950	1847	1782	1767	1752	1762	14.5	15.3	15.1	15.1	14.5	14.1	13.4	13.0	12.8	12.6	12.5
Audubon	434	431	454	479	446	461	437	372	348	331	331	6.4	6.3	6.6	6.9	6.4	6.5	6.0	5.1	4.7	4.4	4.3
Benton	1350	1404	1440	1527	1477	1474	1375	1315	1143	1119	1157	5.4	5.7	5.9	6.4	6.3	6.4	6.1	5.9	5.1	5.0	5.2
Black Hawk	14006	13986	13931	14130	13593	13214	12960	12748	12719	12405	13283	11.5	11.4	11.4	11.4	10.9	10.6	10.4	10.3	10.3	10.1	10.7
Boone	1937	2038	2113	2217	2217	2112	1970	1850	1881	1837	1865	7.4	7.9	8.3	8.8	8.8	8.3	7.8	7.3	7.5	7.3	7.4
Bremer	1090	1171	1210	1326	1225	1066	1039	925	826	862	972	4.7	5.0	5.2	5.7	5.3	4.6	4.5	4.1	3.6	3.8	4.3
Buchanan	1497	1636	1622	1753	1656	1651	1619	1547	1547	1593	1765	7.1	7.7	7.7	8.2	7.8	7.9	7.7	7.4	7.4	7.7	8.5
Buena Vista	1361	1368	1291	1242	1205	1151	1052	979	907	909	938	7.0	6.9	6.5	6.2	6.0	5.7	5.3	4.9	4.5	4.5	4.7
Butler	854	1041	1145	1200	1084	1090	1037	971	894	918	976	5.4	6.6	7.3	7.6	6.9	6.9	6.6	6.2	5.6	5.7	6.1
Calhoun	760	859	836	839	800	814	749	703	665	639	718	6.7	7.5	7.3	7.2	7.0	7.1	6.5	6.1	5.7	5.5	6.1
Carroll	1293	1346	1352	1379	1330	1241	1144	1119	1053	902	943	6.0	6.2	6.3	6.4	6.2	5.8	5.3	5.2	4.9	4.2	4.3
Cass	1201	1327	1388	1438	1331	1218	1092	964	880	838	887	8.1	8.9	9.3	9.5	8.9	8.1	7.3	6.4	5.8	5.5	5.8
Cedar	928	997	1006	1076	1014	961	907	897	839	798	845	5.2	5.6	5.7	6.1	5.8	5.4	5.2	5.1	4.8	4.6	4.8
Cerro Gordo	3854	4104	4088	4208	3989	3859	3649	3438	3184	3047	3063	8.3	8.8	8.8	9.1	8.6	8.2	7.8	7.4	6.8	6.5	6.5
Cherokee	893	923	917	900	835	804	790	746	680	665	732	6.7	6.9	6.7	6.5	6.0	5.8	5.6	5.3	4.8	4.7	5.0
Chickasaw	808	849	892	974	857	754	682	649	622	607	679	6.0	6.3	6.7	7.3	6.4	5.7	5.2	4.9	4.6	4.5	4.9
Clarke	875	945	965	949	848	831	726	685	608	628	689	10.6	11.4	11.8	11.6	10.2	10.0	8.8	8.3	7.3	7.5	8.3
Clay	1119	1172	1197	1298	1244	1211	1177	1091	1034	1002	1078	6.4	6.7	6.8	7.4	7.0	6.8	6.7	6.2	5.9	5.8	6.2
Clayton	1084	1126	1168	1174	1140	1161	1124	1060	984	939	942	5.8	6.0	6.2	6.2	6.1	6.2	6.0	5.6	5.1	4.8	4.9
Clinton	4876	5042	5197	5262	4987	4672	4477	4284	4009	3772	3950	9.7	10.0	10.2	10.3	9.7	9.1	8.8	8.4	7.9	7.3	7.6
Crawford	1326	1527	1713	1797	1558	1513	1618	1356	1059	990	1006	8.1	9.3	10.4	10.9	9.4	9.1	9.7	8.1	6.2	5.7	5.7
Dallas	1630	1820	1848	1782	1667	1672	1590	1529	1481	1372	1542	4.6	5.3	5.5	5.5	5.2	5.4	5.2	5.1	5.1	4.7	5.4
Davis	584	623	692	732	691	690	669	717	710	695	735	6.9	7.4	8.2	8.7	8.2	8.3	8.0	8.6	8.6	8.3	8.6
Decatur	1112	1180	1189	1227	1081	1028	921	859	796	778	792	13.6	14.3	14.4	15.1	13.4	12.6	11.3	10.3	9.4	9.2	9.3
Delaware	1046	1122	1109	1086	1048	1033	971	1006	1023	1069	1165	5.7	6.1	6.0	5.9	5.7	5.6	5.4	5.6	5.7	5.9	6.5
Des Moines	4351	4348	4318	4374	4278	4010	3926	3692	3519	3208	3298	10.3	10.3	10.1	10.2	10.0	9.4	9.2	8.7	8.3	7.5	7.7
Dickinson	854	841	873	855	759	781	720	664	686	635	637	5.3	5.3	5.6	5.6	4.9	5.1	4.7	4.5	4.6	4.3	4.3
Dubuque	5704	5851	5736	5913	5769	5658	5412	5049	4933	4926	5349	6.5	6.6	6.5	6.7	6.6	6.5	6.2	5.8	5.7	5.6	6.1
Emmet	898	924	930	937	905	913	881	859	814	780	865	8.2	8.4	8.3	8.3	7.9	7.9	7.6	7.4	7.1	6.7	7.4
Fayette	1981	2023	2019	2124	2068	1917	1812	1636	1468	1405	1498	9.0	9.2	9.2	9.7	9.4	8.7	8.2	7.5	6.7	6.4	6.8

Table 1. Average Monthly Number Eligible for Title XIX Benefits and Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa's Counties, 1987-1997 (continued).

County	Average Monthly Number Eligible for Title XIX Benefits											Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Floyd	1525	1574	1704	1746	1578	1535	1427	1372	1299	1188	1286	9.3	9.5	10.3	10.4	9.4	9.1	8.5	8.0	7.5	6.8	7.3
Franklin	942	853	872	879	779	746	716	675	602	556	565	8.7	7.7	7.9	8.0	6.9	6.7	6.3	5.9	5.3	4.8	4.8
Fremont	809	849	894	945	815	739	680	627	621	599	622	10.3	10.7	11.1	11.6	10.0	9.0	8.3	7.6	7.5	7.1	7.2
Greene	753	826	825	826	739	691	659	629	560	559	583	7.5	8.2	8.2	8.2	7.3	6.9	6.6	6.3	5.5	5.4	5.5
Grundy	425	451	442	397	437	513	485	437	416	396	448	3.5	3.7	3.6	3.3	3.6	4.3	4.1	3.6	3.4	3.2	3.6
Guthrie	868	964	970	1034	970	936	828	750	713	763	841	7.6	8.5	8.5	9.2	8.7	8.4	7.4	6.9	6.5	6.9	7.6
Hamilton	1011	1014	1093	1247	1155	1145	1050	919	869	855	914	6.3	6.3	6.7	7.8	7.2	7.1	6.5	5.7	5.3	5.2	5.5
Hancock	707	749	789	826	744	757	681	578	505	458	486	5.9	6.2	6.5	6.9	6.1	6.1	5.5	4.6	3.9	3.6	3.8
Hardin	1414	1595	1625	1696	1496	1393	1256	1127	1035	1025	1016	7.6	8.6	8.7	9.1	8.0	7.4	6.6	5.9	5.4	5.3	5.2
Harrison	1488	1589	1556	1585	1508	1470	1342	1223	1117	1055	1056	9.7	10.4	10.3	10.7	10.2	10.0	9.1	8.3	7.5	7.0	7.0
Henry	1425	1514	1566	1589	1429	1332	1299	1172	1045	909	893	7.1	7.6	7.9	8.0	7.3	6.8	6.7	6.1	5.5	4.8	4.7
Howard	699	694	753	802	752	699	627	600	532	487	530	7.2	7.1	7.7	8.2	7.6	7.1	6.4	6.1	5.4	4.8	5.2
Humboldt	651	714	748	778	813	721	635	607	585	570	585	6.3	6.9	7.2	7.5	7.8	6.8	6.0	5.6	5.4	5.2	5.3
Ida	438	454	454	418	444	452	402	340	339	331	351	5.5	5.6	5.5	5.0	5.3	5.5	4.9	4.1	4.0	4.0	4.2
Iowa	698	752	731	776	676	623	607	572	464	457	505	4.5	4.9	4.8	5.2	4.5	4.2	4.1	3.9	3.2	3.1	3.4
Jackson	1545	1601	1684	1794	1717	1624	1568	1501	1486	1524	1611	7.7	7.9	8.4	8.9	8.5	8.1	7.9	7.5	7.4	7.4	7.7
Jasper	2048	2177	2241	2303	2307	2186	2003	1891	1797	1809	1987	5.7	6.1	6.4	6.5	6.6	6.3	5.8	5.4	5.2	5.2	5.7
Jefferson	1301	1366	1335	1396	1322	1236	1192	1141	1025	928	950	7.6	8.1	8.0	8.3	7.9	7.5	7.3	7.0	6.3	5.7	5.8
Johnson	4039	4026	3846	3748	3497	3261	3011	2790	2479	2281	2254	3.9	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.6	2.5	2.5
Jones	1111	1154	1199	1226	1170	1070	992	1006	984	989	1016	5.5	5.7	5.9	6.1	5.9	5.4	5.1	5.2	5.1	5.2	5.3
Keokuk	1103	1113	1086	1107	1096	1023	1003	954	915	858	861	9.6	9.6	9.3	9.6	9.4	8.8	8.6	8.2	7.8	7.3	7.2
Kossuth	1010	1027	1127	1200	1148	1102	962	886	748	679	729	5.6	5.7	6.2	6.6	6.3	6.1	5.3	4.8	4.0	3.6	3.8
Lee	3888	4056	4016	4331	4164	3986	3771	3532	3342	3175	3344	10.1	10.5	10.3	11.1	10.7	10.2	9.7	9.1	8.6	8.1	8.4
Linn	11712	12058	12444	12862	11961	11670	11157	10404	9793	9678	10398	6.4	6.7	7.0	7.3	6.8	6.7	6.5	6.2	5.8	5.8	6.3
Louisa	1052	1045	1053	1096	1038	972	910	832	760	766	861	8.8	8.7	8.9	9.3	8.8	8.5	7.8	7.2	6.6	6.6	7.4
Lucas	1014	1082	1106	1087	970	945	905	834	809	799	854	11.2	12.0	12.3	12.1	10.7	10.5	9.9	9.2	8.8	8.5	9.1
Lyon	659	692	647	586	571	535	471	445	401	372	368	5.5	5.8	5.5	4.9	4.8	4.5	3.9	3.7	3.4	3.1	3.1
Madison	760	818	879	859	795	781	742	741	729	669	696	5.5	6.0	6.5	6.6	6.2	6.1	5.9	5.9	5.9	5.4	5.7
Mahaska	1962	1959	1908	2078	2058	1996	1924	1819	1674	1580	1634	9.0	9.0	8.7	9.6	9.5	9.3	9.0	8.4	7.8	7.3	7.6
Marion	1683	1818	1950	2007	1873	1763	1623	1546	1460	1442	1515	5.4	5.8	6.3	6.5	6.2	5.8	5.4	5.2	4.9	4.8	5.1
Marshall	3462	3524	3508	3575	3341	3143	2897	2659	2487	2379	2499	8.9	9.1	9.1	9.3	8.8	8.3	7.6	6.9	6.5	6.2	6.4
Mills	1490	1571	1649	1692	1554	1520	1444	1428	1423	1469	1521	10.4	11.2	11.9	12.5	11.6	11.4	10.9	10.8	10.7	11.0	11.5
Mitchell	521	542	548	599	575	550	499	440	434	437	434	4.7	4.9	5.0	5.4	5.2	5.1	4.6	4.0	3.9	3.9	3.9

Table 1. Average Monthly Number Eligible for Title XIX Benefits and Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa's Counties, 1987-1997 (continued).

County	Average Monthly Number Eligible for Title XIX Benefits											Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Monona	972	1034	1033	1078	1039	1080	1043	947	832	806	873	9.7	10.4	10.4	10.8	10.4	10.8	10.5	9.4	8.2	7.8	8.4
Monroe	870	904	953	969	917	883	840	858	842	859	835	10.8	11.2	11.7	11.9	11.2	10.8	10.3	10.6	10.4	10.5	10.1
Montgomery	1129	1162	1179	1174	1068	1035	893	814	763	720	792	9.5	9.8	9.9	9.8	8.9	8.7	7.5	6.7	6.3	6.0	6.6
Muscatine	3723	3882	3869	3910	3743	3674	3538	3383	3158	2981	3217	9.0	9.4	9.4	9.5	9.1	9.0	8.7	8.5	7.9	7.5	8.1
O'Brien	921	962	957	899	868	876	751	697	641	680	720	6.2	6.4	6.3	5.9	5.6	5.7	4.9	4.5	4.1	4.4	4.6
Osceola	275	302	311	302	331	308	321	276	266	237	242	3.9	4.3	4.4	4.2	4.6	4.3	4.4	3.8	3.7	3.2	3.3
Page	1714	1720	1707	1732	1637	1588	1546	1437	1432	1331	1354	10.0	10.0	10.2	10.3	9.8	9.5	9.2	8.5	8.5	8.0	8.0
Palo Alto	708	732	776	797	788	777	735	698	645	637	683	7.0	7.2	7.7	7.7	7.6	7.4	6.9	6.5	6.0	5.9	6.2
Plymouth	944	952	1021	1117	1045	1012	916	904	881	845	837	3.8	3.9	4.2	4.6	4.4	4.3	3.9	3.9	3.8	3.6	3.6
Pocahontas	585	630	659	659	619	602	572	487	427	385	414	6.6	7.0	7.2	7.2	6.8	6.5	6.1	5.1	4.4	3.9	4.1
Polk	27160	28521	29154	30040	27999	27508	25616	23690	21806	20853	21261	7.7	8.1	8.3	8.7	8.2	8.1	7.7	7.2	6.8	6.6	6.8
Pottawattamie	8016	8496	8821	9239	8738	8350	7844	7080	6489	6212	6240	9.4	10.0	10.5	11.1	10.5	10.0	9.5	8.6	7.8	7.5	7.4
Poweshiek	1120	1184	1199	1185	1106	1105	982	871	761	782	847	5.9	6.2	6.3	6.2	5.9	5.8	5.2	4.6	4.0	4.1	4.5
Ringgold	579	604	579	578	525	508	481	482	489	492	511	10.8	11.3	10.9	10.8	9.8	9.4	8.9	8.9	9.0	9.1	9.4
Sac	779	874	884	880	841	807	751	685	647	561	544	6.6	7.3	7.3	7.3	7.0	6.6	6.2	5.6	5.2	4.5	4.3
Scott	16005	17162	17618	17763	16789	16264	15461	14654	13647	13209	13549	10.2	10.9	11.3	11.4	10.8	10.5	10.1	9.7	9.1	8.8	9.0
Shelby	798	840	883	822	818	795	754	724	582	561	580	6.1	6.4	6.8	6.3	6.2	6.0	5.7	5.5	4.4	4.2	4.3
Sioux	1257	1322	1304	1209	1086	1062	1007	916	912	827	857	4.0	4.3	4.2	3.9	3.5	3.5	3.3	3.1	3.1	2.8	2.9
Story	2913	3052	3112	3017	2831	2641	2412	2228	1927	1750	1880	3.9	4.1	4.2	4.1	3.8	3.6	3.3	3.0	2.6	2.4	2.6
Tama	1071	1147	1242	1317	1311	1369	1209	1083	983	985	1048	6.1	6.5	7.0	7.4	7.4	7.9	7.0	6.2	5.6	5.6	5.9
Taylor	670	747	712	723	682	640	623	613	558	519	561	9.4	10.4	10.0	10.2	9.6	9.1	8.8	8.6	7.8	7.2	7.6
Union	1263	1418	1409	1375	1368	1334	1273	1261	1249	1150	1214	10.1	11.3	11.3	11.1	10.9	10.6	10.1	9.9	9.9	9.0	9.4
Van Buren	608	603	626	632	643	579	551	537	487	496	495	7.8	7.8	8.1	8.2	8.3	7.5	7.1	7.0	6.3	6.3	6.3
Wapello	4952	5025	4962	4929	4635	4774	4523	4177	4021	4077	4324	14.0	14.1	13.9	13.7	12.9	13.3	12.7	11.7	11.3	11.5	11.9
Warren	1836	1952	2072	2136	2007	1981	1872	1745	1610	1529	1632	4.6	5.0	5.3	5.6	5.3	5.3	5.1	4.8	4.5	4.3	4.7
Washington	1297	1375	1304	1361	1234	1231	1196	1132	1043	1000	983	6.2	6.6	6.4	6.7	6.1	6.1	6.0	5.8	5.3	5.1	5.0
Wayne	714	793	805	815	792	748	651	670	610	598	596	10.5	11.6	11.8	11.8	11.3	10.7	9.3	9.5	8.6	8.4	8.2
Webster	3925	4143	4318	4431	4402	4258	4089	3844	3585	3358	3539	10.2	10.6	11.0	11.2	11.0	10.6	10.2	9.5	8.8	8.3	8.6
Winnebago	699	676	695	714	664	618	599	564	489	433	462	5.8	5.6	5.8	6.0	5.6	5.2	5.0	4.7	4.0	3.6	3.8
Winneshiek	1015	1057	1051	1056	1041	985	886	801	780	765	770	4.9	5.0	5.0	5.0	5.0	4.7	4.2	3.8	3.7	3.6	3.7
Woodbury	8926	9194	9389	9855	10061	10383	10063	9357	8531	8287	8651	8.7	9.0	9.2	9.7	10.0	10.4	10.1	9.5	8.7	8.5	8.9
Worth	360	398	434	473	508	498	474	472	390	376	433	4.6	5.1	5.5	6.0	6.4	6.3	6.0	5.9	4.8	4.6	5.3
Wright	1050	1082	1111	1206	1053	1036	939	832	757	744	802	7.4	7.6	7.7	8.5	7.4	7.3	6.6	5.8	5.3	5.2	5.6
State of Iowa	216725	226320	230139	235812	223776	217215	205223	192410	180158	173879	181934	7.6	7.9	8.1	8.3	7.9	7.7	7.4	6.9	6.5	6.3	6.6

Table 2. Total Annual (in \$1,000s) and Adjusted (in 1997 \$1,000s) Title XIX Payments in Iowa's Counties, 1987-1997.

County	Total Annual Title XIX Payments (in \$1,000s)											Total Adjusted Annual Title XIX Payments (in 1997 \$1,000s)									
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	3478	3274	3355	3238	2715	2255	1954	1679	1232	1128	1064	3347	3529	3503	3011	2572	2293	2050	1583	1519	1491
Adams	2289	2053	1746	1617	1526	1411	1176	1028	823	807	888	2099	1837	1749	1693	1609	1380	1255	1058	1087	1244
Allamakee	6207	5885	5187	4656	4466	4065	3440	3012	2335	2046	2009	6016	5457	5037	4954	4636	4037	3677	3001	2756	2814
Appanoose	7452	7939	6826	6732	5532	5700	5041	4425	3550	3230	3059	8115	7181	7283	6136	6501	5916	5402	4562	4351	4285
Audubon	3255	3184	3391	3069	2882	2686	2351	1797	1408	1163	1037	3255	3567	3320	3197	3063	2759	2194	1809	1567	1453
Benton	7886	6670	6239	6333	4972	4532	4701	3582	2971	2318	2105	6818	6563	6851	5515	5169	5517	4373	3818	3122	2949
Black Hawk	63973	62309	61125	55924	44147	43326	39225	32376	27276	23831	21401	63693	64304	60501	48968	49412	46032	39527	35051	32101	29981
Boone	32274	38508	38796	39745	40276	38388	39137	36179	33500	33322	29224	39364	40814	42998	44674	43780	45929	44170	43049	44885	40940
Bremer	6787	6957	6552	5855	4742	4083	3711	2741	2125	1958	1689	7112	6893	6334	5260	4657	4355	3346	2731	2637	2366
Buchanan	7426	7705	8412	7055	6771	5559	5518	4648	4448	4114	4041	7876	8849	7632	7510	6340	6476	5675	5716	5542	5661
Buena Vista	10244	9194	6997	6114	4845	4720	3844	3163	2645	2708	2119	9398	7361	6614	5374	5383	4511	3862	3399	3648	2968
Butler	4499	6189	7307	6666	5834	4852	4475	3473	2936	2547	2316	6327	7687	7212	6471	5534	5252	4240	3773	3431	3244
Calhoun	5375	5472	5015	4497	4392	4157	4232	3556	2533	2276	2329	5594	5276	4865	4872	4741	4966	4341	3255	3066	3263
Carroll	11469	10803	9281	8519	7327	6519	5772	5095	4304	3102	2886	11043	9764	9216	8127	7435	6774	6220	5531	4178	4043
Cass	7673	7220	6682	6078	6092	5577	4886	3660	2820	2215	2226	7380	7030	6575	6757	6360	5734	4468	3624	2984	3118
Cedar	4977	5077	4665	4391	3813	3912	3492	2944	2530	2071	2091	5190	4908	4750	4229	4461	4098	3594	3251	2790	2929
Cerro Gordo	22395	21734	19795	17936	16828	16921	14947	11917	9058	7568	6567	22217	20824	19404	18666	19298	17541	14549	11640	10194	9200
Cherokee	6591	6087	6159	5034	5079	4246	4026	4209	3514	3011	2990	6222	6479	5446	5634	4842	4725	5139	4516	4056	4189
Chickasaw	4658	4021	3840	3845	3126	3011	2639	2063	1582	1533	1287	4110	4040	4160	3467	3434	3097	2519	2033	2065	1803
Clarke	4221	4228	4151	3547	3116	2815	2390	1783	1772	1499	1743	4322	4367	3837	3456	3210	2805	2177	2277	2019	2442
Clay	6768	7344	6943	5990	4986	4743	4454	3924	3031	2805	2470	7507	7304	6480	5530	5409	5227	4791	3895	3778	3460
Clayton	7871	7289	6762	5932	5285	5302	4796	3814	3330	2922	2481	7451	7114	6417	5862	6047	5628	4656	4279	3936	3476
Clinton	24830	24712	22825	19961	17521	16477	16449	13223	9347	7976	7437	25261	24012	21595	19434	18791	19304	16143	12011	10744	10418
Crawford	8877	9400	9769	9987	7059	6630	5885	4364	2898	2516	2229	9609	10277	10804	7830	7561	6906	5328	3724	3389	3123
Dallas	10202	9748	8808	7405	6886	6859	6085	5109	4550	3972	3764	9965	9266	8011	7638	7822	7141	6237	5847	5350	5273
Davis	4108	4269	3936	3056	2553	2653	2196	2147	1700	1439	1219	4364	4141	3306	2832	3026	2577	2621	2185	1938	1708
Decatur	5907	5154	4846	4873	4234	4054	3176	2909	2264	2198	1953	5269	5098	5272	4696	4623	3727	3551	2909	2961	2736
Delaware	5584	5526	4973	4459	3918	3810	3538	2847	2381	2081	1909	5649	5232	4824	4346	4345	4152	3476	3060	2803	2674
Des Moines	17927	17357	16152	15230	12332	12247	11117	9639	8106	7024	6145	17743	16992	16476	13679	13967	13046	11768	10417	9461	8609
Dickinson	5358	4232	3840	4092	3383	3213	2905	2163	1960	1431	1359	4326	4040	4427	3752	3664	3409	2641	2519	1928	1904
Dubuque	30392	32958	28153	26515	23709	20205	18753	15841	13461	12068	10478	33690	29617	28685	26298	23043	22007	19340	17298	16256	14679
Emmet	6908	6490	6563	5226	4783	4631	4035	3026	2544	2210	2179	6634	6904	5654	5305	5281	4735	3694	3269	2977	3053
Fayette	10054	9741	9399	8492	7205	6425	5807	4559	3638	3101	2971	9957	9888	9187	7992	7327	6815	5566	4675	4177	4162

Table 2. Total Annual (in \$1,000s) and Adjusted (in 1997 \$1,000s) Title XIX Payments in Iowa's Counties, 1987-1997 (continued).

County	Total Annual Title XIX Payments (in \$1,000s)											Total Adjusted Annual Title XIX Payments (in 1997 \$1,000s)									
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Floyd	9909	8924	9421	8398	7564	7129	5888	4897	3839	3180	2773	9122	9911	9085	8390	8130	6910	5979	4933	4284	3885
Franklin	7638	4994	4161	3715	3546	3707	3039	2402	1859	1835	1468	5105	4377	4019	3933	4228	3566	2933	2389	2472	2057
Fremont	4698	4934	4788	3998	3307	3142	2639	2339	1904	1678	1501	5044	5037	4325	3668	3583	3097	2856	2447	2260	2103
Greene	3641	3724	3444	3066	2759	2549	2193	1889	1375	1270	1150	3807	3623	3317	3060	2907	2574	2306	1767	1711	1611
Grundy	2631	2458	1939	1456	1667	2391	2027	1626	1498	1185	1140	2513	2040	1575	1849	2727	2379	1985	1925	1596	1597
Guthrie	5147	5127	5042	4418	4111	3926	3117	2625	2206	2067	2166	5241	5304	4780	4560	4477	3658	3205	2835	2784	3034
Hamilton	5940	4858	5137	5271	5051	5265	3981	3257	2423	2071	1839	4966	5404	5702	5603	6005	4672	3976	3114	2790	2576
Hancock	3850	3724	3882	3645	3198	3121	2623	2241	1672	1449	1305	3807	4084	3943	3547	3559	3078	2736	2149	1952	1828
Hardin	8901	9170	8354	7194	6429	6341	5444	4519	3353	3043	2432	9374	8788	7783	7131	7232	6389	5517	4309	4099	3407
Harrison	9120	9442	9270	7490	6564	6839	6255	4562	4010	3030	2912	9652	9752	8103	7281	7800	7341	5570	5153	4081	4079
Henry	7207	7128	6426	6114	5546	4963	5090	4112	3519	3222	2175	7286	6760	6614	6152	5660	5973	5020	4522	4340	3047
Howard	3973	4023	3909	3800	3036	3016	2852	2156	1717	1354	1383	4112	4112	4111	3368	3440	3347	2632	2206	1824	1937
Humboldt	3993	4672	4620	4579	3761	3166	3025	2731	1997	1615	1559	4776	4860	4954	4172	3611	3550	3334	2566	2175	2184
Ida	2896	2809	2002	1532	2422	2361	2099	1698	1597	1161	1150	2871	2106	1657	2686	2693	2463	2073	2052	1564	1611
Iowa	4857	4775	4405	3618	3481	3103	2892	2421	1655	1564	1475	4881	4634	3914	3861	3539	3394	2956	2127	2107	2066
Jackson	9003	8355	7309	6938	6063	6107	5318	4047	3476	3266	2918	8541	7689	7506	6725	6965	6241	4941	4467	4399	4088
Jasper	14275	13853	12927	12328	10952	10184	8727	6823	5330	5222	4765	14161	13599	13337	12148	11614	10242	8330	6849	7034	6675
Jefferson	6991	6637	5850	5363	4792	4206	4081	3661	2777	2208	2073	6784	6154	5802	5315	4797	4789	4470	3569	2974	2904
Johnson	22411	20858	16992	16440	12841	12344	11002	9080	6332	5352	4626	21321	17876	17785	14243	14078	12911	11085	8137	7209	6481
Jones	5612	5148	5296	4483	3863	3560	3054	2501	2422	1955	1873	5262	5571	4850	4285	4060	3584	3053	3112	2633	2624
Keokuk	5553	5460	4809	4238	3922	4004	3567	3020	2173	2115	1778	5581	5059	4585	4350	4566	4186	3687	2792	2849	2491
Kossuth	6189	5833	5879	5864	4823	4285	3543	3196	2454	1992	1842	5963	6185	6344	5350	4887	4158	3902	3154	2683	2580
Lee	18235	17684	17203	15582	13353	13060	11662	9397	8688	7232	6581	18077	18098	16857	14811	14894	13686	11472	11165	9742	9219
Linn	64852	61750	59703	56084	43868	42473	36346	31005	24744	20989	17922	63122	62808	60674	48658	48439	42654	37853	31797	28272	25107
Louisa	4409	3975	4014	4002	3350	3325	3276	2697	2013	1908	1738	4063	4223	4330	3716	3792	3845	3293	2587	2570	2435
Lucas	4468	4621	4382	3999	3328	3312	3067	2596	2178	2113	1793	4724	4610	4326	3691	3777	3599	3169	2799	2846	2512
Lyon	5743	5488	4258	2942	2682	2743	2499	2247	1754	1410	1314	5610	4479	3183	2975	3128	2933	2743	2254	1899	1841
Madison	4912	5820	5282	4246	3874	3435	3147	3099	2390	2235	2221	5949	5557	4593	4297	3917	3693	3783	3071	3011	3111
Mahaska	8441	8619	8626	8515	7461	7352	6763	5383	4559	4032	3721	8810	9075	9212	8276	8385	7937	6572	5859	5431	5213
Marion	9739	9596	8896	7980	6854	6698	5983	5008	3933	3548	3487	9809	9359	8633	7602	7639	7021	6114	5054	4779	4885
Marshall	22550	19695	20585	15922	11545	9720	8790	6981	5693	4866	4758	20133	21656	17225	12806	11085	10315	8523	7316	6555	6665
Mills	43897	43139	42865	44507	44002	46448	46189	43949	39591	35569	33672	44097	45094	48149	48807	52972	54205	53656	50876	47912	47171
Mitchell	3874	3778	3229	3278	3149	2767	2273	1859	1540	1344	1378	3862	3397	3546	3493	3156	2667	2270	1979	1810	1930

Table 2. Total Annual (in \$1,000s) and Adjusted (in 1997 \$1,000s) Title XIX Payments in Iowa's Counties, 1987-1997 (continued).

County	Total Annual Title XIX Payments (in \$1,000s)											Total Adjusted Annual Title XIX Payments (in 1997 \$1,000s)									
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Monona	6756	6311	5690	5373	5182	4912	4484	3651	2631	2170	2149	6451	5986	5813	5748	5602	5262	4457	3381	2923	3011
Monroe	4667	4587	4742	4375	3327	3496	3062	2650	2126	2104	1729	4689	4989	4733	3690	3987	3593	3235	2732	2834	2422
Montgomery	6345	6289	6398	5447	5295	5017	3984	2938	2407	2019	2224	6429	6731	5893	5873	5722	4675	3587	3093	2720	3116
Muscatine	14983	13881	13244	11545	10031	9835	9468	7742	6116	4894	4262	14189	13933	12490	11126	11216	11111	9452	7859	6592	5971
O'Brien	7606	6939	6016	4763	4265	4164	3644	3024	2282	2016	1821	7093	6329	5153	4731	4749	4276	3692	2932	2716	2551
Osceola	1066	1087	998	1209	1848	1714	1404	1117	1019	889	723	1111	1050	1308	2050	1955	1648	1364	1309	1197	1013
Page	10028	9400	8553	7056	6673	6277	5348	4505	3583	3296	3630	9609	8998	7633	7402	7159	6276	5500	4604	4440	5085
Palo Alto	4706	4715	4316	4218	4199	3703	3683	2689	2311	1924	1625	4820	4540	4563	4658	4223	4322	3283	2970	2592	2276
Plymouth	2814	2573	4142	5727	4854	4593	3916	3526	2755	2374	2244	2630	4357	6196	5384	5238	4596	4305	3540	3198	3144
Pocahontas	3859	3991	3721	3720	3175	3099	2448	2157	1712	1303	1260	4080	3915	4024	3522	3534	2873	2633	2200	1755	1765
Polk	145804	140947	135873	124717	111741	109427	89799	80301	61803	54254	50014	144078	142939	134923	123942	124797	105383	98037	79420	73081	70064
Pottawattamie	36395	35074	36121	35260	30429	28700	24435	23002	16468	14303	12897	35853	38000	38146	33752	32731	28676	28082	21162	19266	18067
Poweshiek	6087	5864	5484	5220	4374	4486	3878	3071	2480	2060	1882	5994	5769	5647	4852	5116	4551	3749	3187	2775	2636
Ringgold	3858	3218	2961	2497	2559	2613	2125	1863	1677	1492	1467	3289	3115	2701	2838	2980	2494	2274	2155	2010	2055
Sac	3361	4425	4470	3765	3967	3774	3356	2806	2259	1694	1404	4523	4702	4073	4400	4304	3938	3426	2903	2282	1967
Scott	59878	59493	65733	61388	53387	48419	40807	34696	28343	25319	20817	60815	69152	66412	59217	55220	47889	42359	36422	34105	29162
Shelby	5140	4796	4597	3798	4016	3771	3289	2549	1877	1641	1513	4903	4836	4109	4455	4301	3860	3112	2412	2210	2120
Sioux	8005	7745	7451	6259	6080	6086	5038	3867	3224	2563	2698	7917	7838	6771	6744	6941	5912	4721	4143	3452	3780
Story	17453	15712	15008	12028	10491	9775	9061	7459	5587	4377	4222	16061	15789	13012	11637	11148	10633	9106	7180	5896	5915
Tama	6503	6828	6950	6444	6072	5638	4767	3771	3095	2935	2527	6980	7311	6971	6735	6430	5594	4604	3977	3953	3540
Taylor	3198	2804	2454	2814	2574	2280	2077	1847	1464	1249	1154	2866	2582	3044	2855	2600	2437	2255	1881	1682	1617
Union	6670	6206	6152	4542	4639	4486	3916	3781	3160	2639	2645	6344	6472	4914	5146	5116	4596	4616	4061	3555	3705
Van Buren	3216	2807	2604	2422	2166	1954	1781	1613	1465	1242	856	2869	2739	2620	2403	2228	2090	1969	1883	1673	1199
Wapello	20200	20536	18408	15447	13019	13182	11541	9811	8851	8091	7513	21094	19365	16711	14441	15034	13544	11978	11374	10899	10525
Warren	12202	11822	11648	9970	8997	8463	8022	6901	5295	4801	4531	12085	12254	10786	9979	9652	9414	8425	6804	6467	6347
Washington	8858	9043	8104	7527	5892	5689	5825	4870	3420	2638	2270	9244	8525	8143	6535	6488	6836	5946	4395	3553	3180
Wayne	3195	4128	3341	3211	2827	2735	2257	1974	1859	1581	1472	4220	3515	3474	3136	3119	2649	2410	2389	2130	2062
Webster	20649	20251	20235	18876	17009	15927	14025	11506	9045	7734	6939	20701	21287	20421	18866	18164	16459	14047	11623	10418	9721
Winnebago	4158	4378	4243	4082	4112	3627	3115	2415	1973	1657	1544	4475	4464	4416	4561	4136	3656	2948	2535	2232	2163
Winneshiek	6352	5741	5334	4953	4728	3891	3538	2833	2194	2047	1577	5869	5611	5358	5244	4438	4152	3459	2819	2757	2209
Woodbury	49945	49907	48999	45776	38567	42571	38727	33716	26102	24268	21176	51016	51547	49522	42778	48551	45448	41163	33542	32689	29665
Worth	2280	2234	2385	2410	2615	2529	2126	1571	1239	986	925	2284	2509	2607	2901	2884	2495	1918	1592	1328	1296
Wright	7228	6969	6409	4829	3949	4028	3500	2734	2229	2232	2052	7124	6742	5224	4380	4594	4107	3338	2864	3007	2875
State of Iowa	1223991	1146177	1190596	1054676	928814	893934	797229	679920	551297	440325	488797	1217048	1205785	1140985	1019498	935583	830090	708444	616849	658417	616849

Table 3. Percentage Changes in Population, Persons Eligible, and Adjusted Total Annual Title XIX Payments in Iowa's Counties, 1987-1997.

County	Estimated Population			Persons Eligible to Receive Title XIX Payments			Adjusted Total Annual Title XIX Payments		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Adair	-0.1	-1.8	-3.7	-6.8	13.8	36.9	3.9	35.2	133.3
Adams	-0.7	-5.0	-15.3	-2.2	-0.2	17.6	9.1	42.3	84.0
Allamakee	-0.4	0.1	-1.2	-0.6	4.2	39.5	3.2	33.9	120.6
Appanoose	-0.7	-2.2	-4.3	-5.8	0.5	11.2	-8.2	14.6	73.9
Audubon	-0.7	-4.3	-10.4	0.7	-5.9	31.1	0.0	6.3	124.0
Benton	1.3	9.4	12.6	-3.8	-8.4	16.7	15.7	52.6	167.4
Black Hawk	-0.6	-2.2	-1.9	0.1	6.0	5.4	0.4	29.5	113.4
Boone	1.1	3.4	4.0	-5.0	-8.3	3.9	-18.0	-26.3	-21.2
Bremer	-0.1	1.1	2.6	-6.9	2.3	12.1	-4.6	45.7	186.9
Buchanan	-0.1	0.8	1.7	-8.5	-9.3	-15.2	-5.7	17.1	31.2
Buena Vista	-1.3	-2.5	-2.7	-0.5	18.2	45.1	9.0	90.3	245.1
Butler	-0.1	-0.5	-1.8	-18.0	-21.7	-12.5	-28.9	-18.7	38.7
Calhoun	-0.5	-0.8	-2.8	-11.5	-6.6	5.8	-3.9	13.4	64.7
Carroll	0.6	1.2	-0.3	-3.9	4.2	37.1	3.9	54.3	183.7
Cass	-0.9	-1.8	-4.4	-9.5	-1.4	35.4	4.0	20.6	146.1
Cedar	1.0	1.7	2.8	-6.9	-3.4	9.8	-4.1	11.6	69.9
Cerro Gordo	-0.0	-0.9	-2.1	-6.1	-0.1	25.8	0.8	16.0	143.4
Cherokee	-0.2	-3.9	-7.5	-3.3	11.1	22.0	5.9	36.1	57.3
Chickasaw	0.1	1.3	-2.0	-4.8	7.2	19.0	13.3	35.6	158.3
Clarke	-0.3	-1.3	-1.3	-7.4	5.3	27.0	-2.3	31.5	72.9
Clay	0.3	-0.8	1.6	-4.5	-7.6	3.8	-9.8	25.1	95.6
Clayton	-0.1	0.1	-3.2	-3.7	-6.6	15.1	5.6	30.2	126.4
Clinton	-0.3	-2.0	-2.9	-3.3	4.4	23.4	-1.7	32.1	138.3
Crawford	-0.2	-1.7	-6.9	-13.2	-12.4	31.8	-7.6	17.4	184.2
Dallas	3.7	15.1	24.1	-10.4	-2.5	5.7	2.4	30.4	93.5
Davis	0.3	1.2	-1.7	-6.3	-15.4	-20.5	-5.9	35.8	140.5
Decatur	-0.6	0.7	-4.3	-5.8	8.2	40.4	12.1	27.8	115.9
Delaware	0.4	0.8	2.9	-6.8	1.3	-10.2	-1.2	28.5	108.8
Des Moines	-0.7	-1.7	-1.9	0.1	8.5	31.9	1.0	28.4	108.2
Dickinson	1.6	4.9	9.0	1.5	9.3	34.1	23.9	46.2	181.4
Dubuque	-0.3	0.8	1.1	-2.5	0.8	6.6	-9.8	31.9	107.0
Emmet	-0.9	-5.8	-6.2	-2.8	-1.6	3.8	4.1	30.8	126.3
Fayette	-0.0	0.1	-0.0	-2.1	3.3	32.2	1.0	37.2	141.6
Floyd	-0.4	-2.8	-6.1	-3.1	-0.7	18.6	8.6	21.9	155.1
Franklin	-1.2	-2.7	-7.8	10.4	26.3	66.7	49.6	80.7	271.3
Fremont	-1.2	-4.2	-9.6	-4.7	9.5	30.1	-6.9	31.1	123.4
Greene	-0.2	-0.4	-4.5	-8.8	9.0	29.2	-4.4	25.2	126.0
Grundy	0.0	1.8	-1.2	-5.8	-17.2	-5.1	4.7	-3.5	64.7
Guthrie	0.3	2.3	3.5	-10.0	-7.3	3.2	-1.8	15.0	69.6
Hamilton	-0.1	-0.4	-3.1	-0.3	-11.7	10.6	19.6	-1.1	130.6
Hancock	-1.0	-2.7	-6.7	-5.6	-6.6	45.5	1.1	8.2	110.6
Hardin	-0.6	-1.4	-5.7	-11.3	1.5	39.2	-5.0	23.1	161.3
Harrison	0.8	4.5	1.1	-6.4	1.2	40.9	-5.5	16.9	123.6
Henry	0.1	1.8	4.7	-5.9	7.0	59.6	-1.1	27.3	136.5
Howard	-0.3	-1.8	-4.2	0.7	0.0	31.9	-3.4	15.5	105.1
Humboldt	0.0	-1.5	-5.0	-8.8	-9.7	11.3	-16.4	10.6	82.8
Ida	-1.5	-4.2	-5.3	-3.5	-3.1	24.8	0.9	7.5	79.8
Iowa	0.7	4.8	5.2	-7.2	12.0	38.2	-0.5	37.2	135.1
Jackson	-0.3	0.1	-3.4	-3.5	-4.9	-4.1	5.4	29.3	120.2
Jasper	0.7	2.5	3.3	-5.9	-6.3	3.1	0.8	22.9	113.9

Table 3. Percentage Changes in Population, Persons Eligible, and Adjusted Total Annual Title XIX Payments in Iowa's Counties, 1987-1997 (continued).

County	Estimated Population			Persons Eligible to Receive Title XIX Payments			Adjusted Total Annual Title XIX Payments		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Jefferson	1.1	3.4	4.4	-4.8	5.3	36.9	3.1	45.7	140.7
Johnson	0.7	4.4	13.1	0.3	23.9	79.2	5.1	59.2	245.8
Jones	-0.3	2.7	6.6	-3.7	3.8	9.4	6.7	38.2	113.9
Keokuk	-0.3	-0.9	-3.4	-0.9	7.8	28.1	-0.5	21.6	122.9
Kossuth	-0.3	-1.7	-6.5	-1.7	-8.3	38.5	3.8	26.6	139.9
Lee	-0.3	-1.0	-2.6	-4.1	-2.5	16.3	0.9	22.4	97.8
Linn	1.0	5.0	10.6	-2.9	0.4	12.6	2.7	33.9	158.3
Louisa	-0.3	4.3	2.6	0.7	8.2	22.2	8.5	16.3	81.1
Lucas	0.6	0.3	-3.4	-6.3	7.3	18.7	-5.4	18.3	77.9
Lyon	0.3	-0.0	0.5	-4.8	23.2	79.1	2.4	83.6	212.0
Madison	1.0	7.5	12.0	-7.1	-2.7	9.2	-17.4	25.4	57.9
Mahaska	0.2	1.4	1.6	0.2	-1.7	20.1	-4.2	0.7	61.9
Marion	0.4	3.5	5.6	-7.4	-4.5	11.1	-0.7	27.5	99.4
Marshall	0.2	2.7	0.1	-1.8	10.1	38.5	12.0	103.4	238.3
Mills	2.8	7.7	8.9	-5.2	-2.0	-2.0	-0.5	-17.1	-6.9
Mitchell	-0.0	2.1	-0.7	-3.9	-5.3	20.0	0.3	22.8	100.7
Monona	0.3	-0.1	-3.3	-6.0	-10.0	11.3	4.7	20.6	124.4
Monroe	-0.5	-1.8	-2.5	-3.8	-1.5	4.2	-0.5	17.1	92.7
Montgomery	0.1	0.0	-1.5	-2.8	9.1	42.6	-1.3	10.9	103.6
Muscatine	0.1	1.0	4.2	-4.1	1.3	15.7	5.6	33.6	150.9
O'Brien	-0.7	-3.6	-4.4	-4.3	5.1	27.9	7.2	60.2	198.2
Osceola	-0.8	-2.9	-4.9	-8.9	-10.7	13.6	-4.1	-45.5	5.2
Page	-0.8	2.9	0.9	-0.3	7.9	26.6	4.4	40.1	97.2
Palo Alto	-0.3	-4.1	-8.3	-3.3	-8.9	3.7	-2.4	11.4	106.8
Plymouth	0.5	4.3	4.6	-0.8	-6.7	12.8	7.0	-46.3	-10.5
Pocahontas	-1.3	-5.0	-11.8	-7.1	-2.8	41.3	-5.4	9.2	118.6
Polk	0.3	4.8	13.2	-4.8	-1.3	27.7	1.2	16.8	108.1
Pottawattamie	0.7	2.4	1.9	-5.6	-4.0	28.5	1.5	11.2	101.4
Poweshiek	0.1	0.4	1.3	-5.4	1.4	32.2	1.6	19.0	130.9
Ringgold	-0.3	-1.0	-1.7	-4.1	14.0	13.3	17.3	29.5	87.7
Sac	-0.7	-2.2	-5.3	-10.9	-3.5	43.2	-25.7	-21.9	70.9
Scott	0.3	1.6	4.3	-6.7	-1.6	18.1	-1.5	8.4	105.3
Shelby	0.4	-0.8	-2.6	-5.0	0.4	37.6	4.8	19.5	142.5
Sioux	0.1	2.3	5.0	-4.9	18.4	46.7	1.1	15.3	111.8
Story	0.0	0.4	1.7	-4.6	10.3	54.9	8.7	56.6	195.1
Tama	-0.0	1.2	-0.9	-6.6	-21.8	2.2	-6.8	1.1	83.7
Taylor	-0.3	1.3	-3.5	-10.3	4.7	19.4	11.6	23.0	97.8
Union	-0.8	-0.7	-3.1	-10.9	-5.3	4.0	5.1	30.4	80.0
Van Buren	1.0	1.3	-0.6	0.8	5.0	22.8	12.1	44.3	168.2
Wapello	-0.7	-1.4	-2.4	-1.5	3.7	14.5	-4.2	34.4	91.9
Warren	0.8	6.7	13.4	-5.9	-7.3	12.5	1.0	26.4	92.2
Washington	0.8	3.2	6.8	-5.7	5.4	31.9	-4.2	36.5	178.6
Wayne	-0.2	-2.2	-5.7	-10.0	-4.5	19.8	-24.3	2.4	54.9
Webster	-0.8	-3.7	-6.1	-5.3	-7.8	10.9	-0.3	13.7	112.4
Winnebago	0.4	1.3	0.2	3.4	13.1	51.3	-7.1	0.5	92.2
Winneshiek	-0.3	-0.4	-0.3	-4.0	3.0	31.8	8.2	43.1	187.6
Woodbury	-0.4	2.1	5.5	-2.9	-14.0	3.2	-2.1	2.9	68.4
Worth	-1.2	-1.5	-5.2	-9.5	-27.7	-16.9	-0.2	-20.9	75.9
Wright	-0.8	-0.5	-1.8	-3.0	1.4	30.9	1.5	57.3	151.4
State of Iowa	0.2	1.6	3.1	-4.2	-0.2	19.1	0.6	20.1	98.4

Total Annual Title XIX Payments

More than \$1.2 billion was paid in Title XIX medical benefits in Iowa in 1997 (Table 2). This was \$33 million more than in 1996 and the highest amount of the period reported. Since 1987, the annual change has been at least \$33 million each year, with the greatest increase (+\$128 million) occurring between 1989 and 1990.

Total 1997 payments were less than \$5 million in 32 counties. In contrast, Polk's figure was nearly \$146 million. Payments in 25 others exceeded \$10 million that year.

Although total payments declined in 30 counties between 1996 and 1997, large increases took place when the 1987-1997 period was examined. Statewide, payments rose \$784 million between 1987 and 1997, an increase of 178 percent. All but six counties (Boone, Buchanan, Butler, Mills, Osceola, Plymouth) experienced percentage gains greater than 100. Dollar increases ranged from less than \$500,000 in Osceola to \$96 million in Polk.

When total payments are adjusted for inflation (Table 2), however, the gains, while still substantial, are not as great as when the actual figures were examined. The adjusted amount nearly doubled from \$617 million in 1987 to \$1.2 billion in 1997, a gain of 98.4 percent (Table 3). Five counties reported adjusted increases of at least 200 percent, with Franklin highest (+271.3%). A third (34) of the counties had increases of less than 100 percent, and three (Boone, Mills, Plymouth) noted a decline in total payments after adjusting for inflation.

Change in Selected Title XIX Figures

The number eligible for Title XIX benefits increased by 19.1 percent between 1987 and 1997, compared with an increase of 98.4 percent in adjusted total benefits (Table 3). Percentages for five- and one-year change periods generally are smaller and in opposite directions (adjusted payments have increased while the number eligible has decreased). Changes differed across the counties, of course. For example, Franklin, Johnson, and Lyon experienced relatively great percentage gains in both those eligible and total payments from 1987 to 1997. While Marshall's payments also gained rapidly, the number eligible did not increase as much as in some other counties. Other combinations are evident when the data are examined in detail.

Note: Eligibility requirements for the medical assistance program may vary by year because of revisions in federal codes. Thus, caution is urged in examining year-to-year changes. Also, because of changes in the manner in which recipients are counted, information of that nature published in previous years is not updated this time. We will assess that again before publishing next year's data book.

The Family Investment Program (formerly Aid to Families With Dependent Children) in Iowa's Counties: 1987-1997

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The Iowa Department of Human Services maintains information on the number of families and persons receiving assistance each month in the Family Investment Program (FIP), which formerly was called the Aid to Families With Dependent Children (AFDC) program. To be eligible for the program, a family must have very low assets and income and have at least one dependent child. In Iowa, both one- and two-parent families can qualify for the FIP if they meet the guidelines for assets, income, incapacitation, or unemployment. Families qualify for assistance in either the regular program or the unemployed-parent program. Most families are in the regular program, but there are provisions in the FIP regulations that allow aid to families in which the main worker becomes unemployed. Each family served constitutes a case in the data system maintained by the Department of Human Services; because numbers of people assisted varies across cases, information on the total number receiving benefits also is provided.

For this report, calendar-year monthly averages were computed for cases and recipients in both the regular and unemployed-parent program. Two cautions are noted for using these data. Federal and state changes in the eligibility for these programs affect year-to-year comparisons and decade trends; particularly important are legislative mandates limiting eligibility that occurred in recent years.

Regular Family Investment Cases and Recipients

Iowa averaged nearly 35,700 regular FIP cases monthly in 1994, which was the highest number since 1987. These cases decreased dramatically with new legislation that limited eligibility; 25,400 cases were reported per month in 1997 (Table 1). In 1997, 15 counties averaged fewer than 50 cases each month. Six others (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) recorded averages above 1,000, with Polk's 3,938 the highest.

The decrease in regular FIP cases occurring from 1996 to 1997 was the third consecutive decline since 1994. All but three of Iowa's 99 counties had decreases between 1996 and 1997; Polk's decline (-520) was the largest. Ten other counties reported declines of more than 50 cases.

A 10-year comparison (1987-1997) reveals that Iowa had 9,327 fewer regular cases at the end of the period than at the beginning. All but three of Iowa's counties also had fewer cases in 1997 than in 1987, with declines of 500 or more cases in Black Hawk, Linn, Polk, Scott, and Woodbury.

Most FIP cases serve more than one individual, of course. The average number of Iowans receiving benefits in the regular FIP each month in 1997 was 65,197 (Table 1). This figure was substantially lower than the other years examined and represented a decrease of 8,740 from 1996. More than 100,000 persons were in the program each month, on average, in both 1985 and 1986 (Figure 1).

Polk County averaged nearly 10,300 FIP recipients monthly in the regular program in 1997, the highest number for any county in the state. The only other counties above 5,000 that year were Black

Table 1. Average Monthly Number of Regular Family Investment Program Cases and Recipients in Iowa's Counties, 1987-1997.

County	Average Monthly Number of Regular Family Investment Program Cases											Average Monthly Number of Regular Family Investment Program Recipients										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	49	50	50	50	56	57	49	46	39	48	56	129	142	138	136	151	158	146	133	103	129	158
Adams	33	47	47	53	47	48	43	36	39	43	52	95	138	137	160	128	143	122	115	118	132	156
Allamakee	68	78	86	84	84	81	67	72	79	87	93	183	203	237	237	231	223	178	204	221	241	252
Appanoose	240	259	266	273	274	290	297	300	322	326	301	618	667	692	686	710	784	814	801	847	888	832
Audubon	30	34	37	42	37	41	42	36	33	37	43	72	84	92	113	103	115	125	108	100	106	113
Benton	151	158	183	219	216	225	216	225	199	209	231	386	393	468	573	571	601	599	642	542	566	612
Black Hawk	2026	2265	2447	2629	2539	2549	2526	2550	2703	2743	2893	5194	5811	6371	6980	6788	6799	6859	7047	7328	7425	7720
Boone	156	188	219	245	252	248	228	209	229	239	251	415	499	591	656	677	655	590	536	576	609	644
Bremer	97	121	142	166	148	126	131	122	124	140	162	223	306	369	427	380	316	336	316	322	373	428
Buchanan	150	181	202	223	235	242	248	236	245	257	289	389	461	525	606	623	647	676	634	659	696	756
Buena Vista	125	133	147	157	154	157	137	127	130	144	151	317	331	377	393	400	404	352	328	325	367	374
Butler	85	98	106	110	102	123	131	122	115	121	121	229	253	284	297	272	337	377	335	322	338	339
Calhoun	52	73	79	98	90	92	86	79	93	100	106	133	174	200	246	227	240	238	232	279	279	289
Carroll	92	110	124	128	128	122	122	114	122	117	128	237	281	323	340	339	324	327	317	324	307	324
Cass	112	134	160	178	170	148	138	137	134	129	133	284	347	417	489	485	407	370	373	369	342	349
Cedar	98	108	121	142	124	125	121	122	118	115	128	236	258	297	346	308	315	320	336	315	305	338
Cerro Gordo	359	442	489	570	561	558	539	539	534	547	567	883	1086	1215	1429	1411	1449	1418	1449	1416	1429	1461
Cherokee	67	87	104	113	92	91	97	86	89	92	115	164	211	249	286	240	250	274	231	237	248	310
Chickasaw	62	66	77	92	84	75	73	80	90	89	106	154	169	205	239	208	193	194	214	234	239	286
Clarke	92	111	126	135	111	105	90	97	90	100	105	242	303	343	358	303	293	250	282	263	293	298
Clay	96	110	128	146	152	162	159	154	172	184	195	242	273	315	364	380	424	419	406	442	456	484
Clayton	53	58	71	85	89	105	109	102	119	124	121	130	142	191	234	243	286	307	304	328	347	344
Clinton	648	729	829	901	925	887	866	834	823	813	831	1604	1817	2097	2295	2367	2263	2268	2226	2191	2128	2115
Crawford	130	157	185	191	168	164	166	162	162	162	163	344	415	492	516	467	456	459	441	438	435	413
Dallas	172	214	264	283	292	298	276	275	286	283	309	429	533	701	766	765	779	741	741	776	766	827
Davis	61	64	85	94	90	87	85	100	101	99	94	157	161	218	253	243	237	223	270	271	273	255
Decatur	95	114	113	124	121	124	114	104	100	102	104	247	297	289	327	322	319	295	264	257	280	277
Delaware	93	113	111	113	120	122	119	131	146	169	178	237	288	304	324	347	338	344	386	414	487	508
Des Moines	605	620	665	730	732	705	685	674	652	652	679	1572	1612	1755	1931	1970	1900	1887	1893	1799	1790	1810
Dickinson	71	78	92	96	76	82	91	91	107	112	113	172	187	224	239	197	200	233	237	287	303	290
Dubuque	565	592	614	749	751	761	749	769	804	865	918	1477	1541	1613	1992	1997	2024	2020	2090	2161	2313	2432
Emmet	56	66	77	96	101	101	106	115	117	125	146	148	177	209	258	272	274	300	319	329	355	401
Fayette	189	223	219	253	265	248	236	203	201	200	206	506	586	574	691	719	680	651	573	549	533	556

Table 1. Average Monthly Number of Regular Family Investment Program Cases and Recipients in Iowa's Counties, 1987-1997 (continued).

County	Average Monthly Number of Regular Family Investment Program Cases											Average Monthly Number of Regular Family Investment Program Recipients										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Floyd	142	163	183	215	191	190	191	200	209	196	214	364	412	474	581	518	504	516	531	551	512	551
Franklin	64	67	82	94	81	86	79	84	92	90	89	161	182	222	248	215	222	212	217	250	243	234
Fremont	75	95	109	124	108	92	87	84	95	96	97	206	247	298	340	297	255	235	233	253	261	264
Greene	73	85	99	107	92	81	83	82	83	92	92	183	210	257	283	248	218	215	220	217	248	246
Grundy	45	55	55	57	65	68	67	63	60	57	60	113	136	136	145	180	185	181	174	154	153	160
Guthrie	54	76	91	114	115	116	108	93	99	110	121	139	195	234	307	306	308	282	260	277	318	352
Hamilton	85	98	110	143	144	134	132	117	123	138	156	215	233	274	369	375	344	340	298	323	373	408
Hancock	51	64	69	87	83	84	73	80	82	82	82	132	173	187	244	235	235	199	201	208	212	215
Hardin	135	153	183	218	209	197	174	165	162	172	171	328	374	445	563	526	479	427	407	397	440	444
Harrison	131	140	153	167	165	172	156	150	156	168	170	339	353	398	445	452	467	445	409	428	456	461
Henry	149	168	194	225	203	188	169	165	165	157	144	369	406	482	563	530	479	444	432	445	414	359
Howard	40	43	48	59	60	63	50	54	67	64	71	112	103	122	157	154	178	143	154	180	170	193
Humboldt	49	59	63	74	74	69	64	65	75	94	95	125	159	176	211	214	198	175	170	198	243	238
Ida	41	42	48	43	41	45	42	29	35	42	50	102	102	110	101	103	119	113	75	95	117	137
Iowa	55	70	72	89	74	69	69	73	64	71	80	134	182	181	227	188	164	165	180	159	187	204
Jackson	151	161	188	219	205	204	222	220	215	234	249	368	408	475	573	534	520	576	574	563	618	653
Jasper	205	251	283	306	325	315	300	291	300	319	359	508	625	714	765	826	803	783	739	771	833	933
Jefferson	147	157	173	195	172	168	175	169	166	151	166	364	381	432	494	457	435	466	448	418	378	429
Johnson	494	545	571	599	550	492	465	455	449	464	483	1235	1364	1431	1556	1432	1267	1108	1187	1138	1186	1192
Jones	112	132	153	157	152	139	136	145	159	184	198	297	337	397	421	412	376	367	390	434	502	533
Keokuk	111	116	115	138	143	133	145	137	139	126	126	299	310	302	359	385	346	390	380	405	369	352
Kossuth	79	87	104	124	117	120	119	116	101	108	110	201	231	278	330	316	316	303	298	257	277	282
Lee	543	577	601	695	684	699	704	663	640	659	709	1394	1504	1564	1871	1857	1888	1932	1830	1746	1806	1895
Linn	1541	1701	1824	2090	2050	2044	1996	1924	1917	2017	2208	3903	4321	4718	5403	5288	5265	5248	5128	5067	5308	5716
Louisa	126	138	164	177	170	169	151	135	132	145	157	328	372	431	469	462	464	424	385	364	398	421
Lucas	122	135	147	144	124	129	130	122	123	128	132	310	353	390	372	327	339	344	320	317	341	368
Lyon	40	53	54	55	53	45	38	42	45	52	49	95	138	137	145	143	129	112	131	126	143	134
Madison	50	62	79	95	96	95	103	95	103	103	104	113	148	205	261	244	238	268	262	287	279	265
Mahaska	215	231	255	278	264	269	278	274	277	274	296	556	589	635	708	682	694	732	718	716	714	759
Marion	150	196	243	281	271	256	237	230	228	228	252	399	507	631	730	724	690	630	620	621	613	667
Marshall	413	446	480	558	548	533	481	455	452	444	458	1093	1169	1256	1516	1485	1440	1311	1238	1222	1199	1201
Mills	151	170	192	201	163	150	136	137	137	144	149	391	443	486	539	433	391	360	370	371	398	419
Mitchell	35	41	43	60	58	60	59	48	54	62	59	90	99	103	146	144	153	152	118	133	159	146

Table 1. Average Monthly Number of Regular Family Investment Program Cases and Recipients in Iowa's Counties, 1987-1997 (continued).

County	Average Monthly Number of Regular Family Investment Program Cases											Average Monthly Number of Regular Family Investment Program Recipients										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Monona	60	69	86	107	111	124	134	125	117	129	130	133	164	210	270	293	333	358	332	319	351	358
Monroe	73	85	105	126	112	116	123	123	130	139	131	179	211	274	342	305	312	345	347	355	373	347
Montgomery	128	129	142	147	158	153	139	124	118	118	140	348	332	377	374	392	396	371	337	308	302	358
Muscatine	501	545	608	645	620	625	623	615	618	619	669	1281	1383	1600	1739	1715	1756	1753	1734	1721	1697	1797
O'Brien	61	69	82	86	82	80	71	65	68	83	89	147	171	206	218	212	211	186	175	184	229	237
Osceola	27	33	34	37	31	29	30	28	32	32	32	74	92	102	111	95	87	92	87	94	90	88
Page	167	179	183	208	198	202	209	208	220	222	218	408	455	483	554	517	543	568	573	592	582	581
Palo Alto	45	44	54	71	66	70	66	68	71	75	77	108	109	143	190	192	211	194	200	200	215	206
Plymouth	90	98	103	110	95	96	108	98	110	111	118	209	233	247	268	237	237	271	257	293	304	305
Pocahontas	49	48	48	62	61	73	67	60	51	55	60	130	125	132	174	167	193	190	148	132	150	158
Polk	3938	4458	5114	5801	5654	5681	5348	4919	4717	4805	4850	10255	11616	13471	15616	15220	15308	14605	13706	12858	12992	12814
Pottawattamie	1079	1252	1443	1640	1603	1549	1505	1393	1354	1398	1417	2826	3332	3872	4453	4385	4229	4123	3860	3695	3788	3759
Poweshiek	113	123	143	174	155	156	146	131	120	131	143	277	314	376	458	401	398	394	366	326	360	378
Ringgold	45	51	52	52	51	51	51	56	64	63	62	113	127	135	135	126	126	138	145	170	175	171
Sac	57	71	80	91	82	88	83	78	81	76	78	146	186	201	231	214	230	219	217	215	193	192
Scott	2578	2997	3347	3605	3475	3426	3274	3123	3071	3134	3163	6837	8006	8967	9693	9445	9440	9173	8899	8640	8759	8647
Shelby	71	84	82	76	73	69	76	75	67	80	84	172	212	212	196	189	185	201	200	179	218	220
Sioux	72	88	91	96	80	81	79	78	94	92	91	186	232	236	245	205	220	221	223	264	267	264
Story	287	354	401	401	379	377	354	335	331	338	379	718	888	1015	1022	956	964	915	882	861	877	943
Tama	107	119	130	152	169	193	178	170	171	188	198	282	320	346	399	441	514	487	461	448	484	519
Taylor	57	80	85	105	99	90	94	93	85	86	101	160	221	233	268	251	240	268	265	239	242	276
Union	126	168	185	179	189	188	188	191	207	205	216	324	435	488	480	499	501	509	529	578	559	597
Van Buren	50	47	59	72	76	72	70	71	72	77	82	142	129	161	195	220	199	203	213	196	213	220
Wapello	557	621	651	698	693	703	679	664	693	710	737	1431	1597	1663	1837	1792	1830	1778	1772	1847	1897	1941
Warren	228	253	329	377	350	332	306	287	280	274	306	561	613	808	942	869	830	784	734	723	718	801
Washington	109	126	125	153	145	146	145	149	134	149	163	281	328	326	394	379	394	386	410	380	427	445
Wayne	70	81	80	85	91	92	76	81	81	77	80	171	200	211	239	259	261	216	239	232	226	219
Webster	518	562	625	674	682	684	681	650	633	648	694	1337	1445	1630	1808	1814	1825	1830	1752	1676	1727	1824
Winnebago	47	53	62	84	70	68	67	71	58	50	58	120	141	163	227	191	180	183	195	160	135	148
Winneshiek	64	70	78	91	79	81	86	85	84	96	103	156	166	192	218	198	212	235	230	229	261	276
Woodbury	1016	1140	1305	1538	1652	1757	1726	1665	1635	1716	1770	2609	2918	3441	4155	4498	4828	4859	4739	4564	4772	4789
Worth	29	33	47	58	63	60	54	55	51	59	76	69	85	132	154	168	153	146	148	140	157	197
Wright	80	94	118	124	121	133	123	118	117	121	125	199	244	306	336	315	357	337	322	316	318	339
State of Iowa	25350	28683	31967	35679	34793	34666	33515	32259	32245	33198	34677	65197	73937	83448	94568	92685	92638	90931	88573	87362	89702	91994

Table 2. Average Monthly Number of Unemployed-Parent Family Investment Program Cases and Recipients in Iowa's Counties, 1987-1997.

County	Avg. Monthly No. of Unemployed-Parent Family Investment Program Cases											Avg. Monthly No. of Unemployed-Parent Family Investment Program Recipients										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	7	12	8	7	6	4	2	1	1	5	7	27	49	36	38	28	18	8	5	8	25	26
Adams	8	9	10	13	12	10	8	5	5	6	8	34	35	38	52	50	44	39	25	21	27	32
Allamakee	10	7	7	9	4	2	6	3	5	6	9	41	27	24	36	14	12	30	12	21	22	38
Appanoose	46	47	54	60	46	46	39	33	31	51	67	183	191	217	254	196	190	159	137	128	199	255
Audubon	1	2	6	7	3	4	6	3	3	5	6	2	9	24	32	13	18	23	12	11	23	31
Benton	19	25	32	35	24	17	18	10	13	20	25	80	112	142	144	97	75	77	44	56	86	99
Black Hawk	145	154	162	179	135	124	135	140	179	275	432	580	620	663	737	563	516	553	601	746	1126	1707
Boone	17	25	38	51	33	23	16	13	24	31	37	65	102	155	207	141	105	70	54	109	146	166
Bremer	12	16	16	20	12	14	18	16	12	23	39	51	63	63	78	46	51	74	70	51	94	156
Buchanan	25	34	35	45	22	19	24	25	33	57	89	101	144	158	192	88	81	99	111	143	253	382
Buena Vista	6	11	11	13	10	8	8	9	10	13	24	24	42	42	49	39	29	33	33	39	52	95
Butler	7	10	15	18	13	16	14	19	21	28	39	26	42	68	75	46	61	56	70	80	110	154
Calhoun	5	9	11	13	6	9	7	7	4	11	19	20	37	46	55	28	36	29	32	17	46	81
Carroll	5	8	7	8	5	5	6	6	6	5	9	19	31	27	39	25	19	23	24	25	16	31
Cass	5	17	25	28	11	12	11	9	5	8	20	19	67	102	119	45	56	46	37	18	37	83
Cedar	12	19	16	27	20	20	19	18	20	28	33	50	68	58	102	76	80	82	80	85	112	126
Cerro Gordo	33	49	55	66	40	37	36	28	23	35	48	133	196	221	265	172	162	150	117	95	140	180
Cherokee	3	6	6	9	4	3	2	2	1	4	7	14	22	21	32	14	11	8	9	6	17	28
Chickasaw	12	12	11	14	7	7	7	7	6	13	26	43	41	43	55	29	27	26	27	21	56	102
Clarke	13	20	23	19	10	15	15	10	7	11	21	59	82	97	83	43	61	60	45	30	45	84
Clay	8	8	10	13	7	6	7	8	5	12	23	29	33	39	57	34	24	24	30	19	45	93
Clayton	8	9	9	11	5	7	7	6	9	15	20	30	35	38	51	22	29	28	23	39	59	77
Clinton	75	97	104	123	70	67	76	67	71	95	157	298	372	386	472	269	273	306	277	286	385	624
Crawford	9	18	15	19	8	9	11	11	11	8	12	39	81	71	85	29	37	48	45	41	33	41
Dallas	9	18	28	36	19	19	15	14	14	16	37	39	71	111	144	71	72	63	57	57	62	145
Davis	7	7	10	7	6	6	9	9	13	19	33	24	27	37	26	17	20	36	38	50	77	130
Decatur	13	20	21	24	10	13	11	7	8	9	13	48	77	83	97	36	51	43	27	29	38	55
Delaware	13	14	18	21	12	13	11	15	24	34	49	60	64	78	81	49	60	51	69	109	146	205
Des Moines	56	66	66	75	54	42	43	45	40	33	56	224	268	262	298	213	157	185	191	170	138	218
Dickinson	10	16	16	12	7	5	6	5	9	8	12	41	72	69	45	27	19	25	22	38	37	52
Dubuque	65	80	78	99	64	62	74	75	89	125	196	267	322	328	414	255	252	314	331	390	570	838
Emmet	5	7	11	16	14	13	12	10	11	13	22	21	28	51	69	55	51	52	48	48	60	91
Fayette	34	39	36	38	31	28	25	25	30	43	63	142	159	152	164	131	117	103	104	125	181	261

Table 2. Average Monthly Number of Unemployed-Parent Family Investment Program Cases and Recipients in Iowa's Counties, 1987-1997 (continued).

County	Avg. Monthly No. of Unemployed-Parent Family Investment Program Cases											Avg. Monthly No. of Unemployed-Parent Family Investment Program Recipients										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Floyd	23	26	44	44	26	24	21	20	18	30	46	93	107	183	177	104	99	85	79	76	127	191
Franklin	5	10	14	15	5	10	11	10	12	7	8	21	34	51	60	24	40	42	41	46	27	31
Fremont	15	18	17	14	7	7	7	3	5	5	9	63	77	70	58	30	29	28	12	20	21	33
Greene	6	12	17	16	14	11	11	7	5	9	13	24	49	74	64	53	44	41	28	23	37	55
Grundy	7	6	9	7	6	7	8	7	9	12	16	25	22	40	31	24	26	39	28	38	46	64
Guthrie	7	14	12	15	10	7	5	6	8	12	18	29	52	52	62	45	27	19	25	31	46	73
Hamilton	9	12	15	23	15	16	18	12	8	10	21	34	47	61	94	67	78	79	51	35	46	79
Hancock	2	2	3	7	3	5	8	5	2	6	14	8	7	12	30	12	20	32	22	11	23	57
Hardin	12	21	23	30	11	11	12	8	10	15	17	46	73	84	125	48	46	51	35	43	65	69
Harrison	10	18	18	28	17	13	16	14	8	14	17	38	74	73	123	73	54	69	60	30	50	65
Henry	13	21	24	33	20	18	19	18	13	15	23	48	79	95	134	80	72	79	71	58	63	90
Howard	1	2	3	7	6	6	8	7	4	4	8	4	10	13	32	26	25	33	27	14	15	31
Humboldt	8	6	8	7	6	7	7	11	6	6	12	32	18	30	30	22	29	30	50	24	25	49
Ida	2	3	3	3	0	0	1	0	0	1	2	10	11	11	12	2	0	2	1	0	4	9
Iowa	1	6	6	9	6	5	5	4	2	3	9	3	27	25	36	19	21	22	17	10	13	40
Jackson	20	23	28	41	32	27	32	28	39	61	83	81	93	114	164	135	113	136	122	170	269	347
Jasper	23	28	37	44	23	17	15	22	19	26	41	91	105	145	170	91	66	57	92	76	105	156
Jefferson	24	28	42	48	33	28	23	22	19	22	26	99	105	159	192	136	112	92	91	79	93	100
Johnson	45	56	50	46	25	19	17	17	13	17	27	177	210	197	173	96	73	73	72	49	68	96
Jones	15	18	23	24	16	16	14	12	12	16	20	64	73	98	98	60	62	57	52	48	64	79
Keokuk	14	18	21	19	15	17	19	19	17	21	31	60	74	82	81	65	77	83	81	71	85	128
Kossuth	9	15	16	18	13	12	10	12	10	10	14	35	58	67	84	53	50	49	54	46	37	58
Lee	55	61	75	101	61	51	53	45	46	62	82	212	242	295	398	249	212	209	180	186	256	327
Linn	136	142	173	200	126	130	140	114	109	183	282	577	587	704	832	523	550	586	497	455	782	1099
Louisa	19	23	22	27	16	17	20	17	18	15	24	79	97	88	111	68	67	81	69	76	64	97
Lucas	21	24	23	30	12	12	12	13	14	17	20	85	92	92	119	51	51	51	50	53	66	82
Lyon	3	4	4	1	1	1	0	0	2	4	8	9	13	17	5	4	2	0	0	7	18	34
Madison	5	8	12	11	6	9	5	4	7	5	14	18	31	50	47	25	35	23	17	30	24	56
Mahaska	35	33	24	30	26	36	33	31	20	24	37	133	129	85	115	101	142	133	128	81	91	130
Marion	17	29	41	43	30	25	26	22	22	36	51	71	110	168	171	120	95	98	80	87	149	205
Marshall	35	42	54	58	45	42	35	32	25	38	64	141	159	205	229	175	162	141	135	105	158	258
Mills	15	27	25	22	10	13	10	12	8	13	22	58	103	98	89	41	56	42	47	32	59	89
Mitchell	3	4	4	4	4	2	3	2	2	6	7	13	17	16	11	15	8	10	9	11	27	27

Table 2. Average Monthly Number of Unemployed-Parent Family Investment Program Cases and Recipients in Iowa's Counties, 1987-1997 (continued).

County	Avg. Monthly No. of Unemployed-Parent Family Investment Program Cases											Avg. Monthly No. of Unemployed-Parent Family Investment Program Recipients										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Monona	7	9	6	12	9	12	16	11	11	16	26	26	34	26	52	40	49	64	46	47	67	105
Monroe	10	15	20	18	15	12	11	10	15	26	32	41	61	81	76	60	49	43	38	58	100	120
Montgomery	20	21	21	27	15	11	8	7	6	10	13	82	84	82	106	62	39	28	28	23	41	54
Muscatine	86	95	103	109	75	66	73	79	77	96	121	348	377	422	472	320	280	318	344	323	402	517
O'Brien	7	10	14	10	7	10	3	1	1	3	11	33	40	60	42	29	40	13	5	7	17	48
Osceola	2	4	3	3	2	1	2	2	2	3	4	8	18	13	13	10	6	8	9	6	13	20
Page	30	36	32	42	31	26	24	16	21	26	35	120	140	124	167	120	100	89	64	86	99	135
Palo Alto	5	7	10	10	7	4	4	5	4	7	16	24	28	45	39	25	17	20	24	18	28	66
Plymouth	8	9	9	9	4	4	3	3	6	13	14	30	34	36	35	15	16	13	14	26	53	58
Pocahontas	7	9	11	7	8	5	4	8	5	3	8	30	32	43	29	31	18	17	34	25	13	35
Polk	279	316	332	332	150	162	158	137	135	148	225	1169	1292	1379	1419	657	696	678	619	598	629	892
Pottawattamie	89	103	115	137	84	81	68	45	35	35	49	367	397	461	540	341	330	285	206	150	154	193
Poweshiek	14	21	20	15	10	16	12	8	8	13	26	53	79	79	62	44	69	51	34	35	59	110
Ringgold	6	12	15	16	8	7	6	4	7	13	18	23	47	59	67	35	29	27	19	30	51	69
Sac	10	12	12	16	8	7	5	4	5	6	7	43	48	52	63	35	31	23	15	21	25	26
Scott	183	229	274	283	187	156	165	181	196	249	356	755	950	1122	1204	795	666	717	813	845	1052	1458
Shelby	4	7	13	15	7	8	6	8	4	6	9	15	24	49	56	23	32	27	34	13	24	35
Sioux	6	10	11	5	2	5	4	4	3	4	8	21	38	42	20	8	22	15	17	20	28	49
Story	55	66	70	76	31	28	29	15	11	15	31	222	256	273	302	124	107	113	60	45	56	109
Tama	9	12	13	17	12	12	15	9	6	8	19	34	50	50	69	45	49	62	38	27	31	70
Taylor	13	14	10	11	5	4	7	9	10	11	11	53	63	46	49	21	18	29	40	36	45	48
Union	19	24	22	26	15	16	17	11	13	17	25	81	100	91	108	62	63	68	45	56	69	101
Van Buren	10	11	7	9	8	6	7	8	9	12	17	45	50	36	35	32	24	29	38	40	57	71
Wapello	99	95	103	112	82	88	94	78	83	126	185	396	387	410	433	326	358	377	315	334	514	708
Warren	11	16	21	22	12	17	17	19	18	24	34	45	68	92	90	51	74	74	82	75	95	134
Washington	15	17	19	20	11	6	10	10	10	20	22	54	66	77	80	44	27	49	39	40	87	82
Wayne	13	17	13	14	9	8	6	8	10	14	19	57	71	62	59	35	33	26	32	41	54	72
Webster	43	58	73	86	63	52	52	47	46	45	93	173	238	311	363	267	219	226	216	190	180	367
Winnebago	7	7	7	7	5	5	4	5	5	7	10	25	28	27	28	18	17	16	18	18	28	36
Winneshiek	10	11	13	16	14	13	7	10	11	20	28	39	44	53	61	55	51	27	42	47	88	114
Woodbury	66	64	64	79	50	55	60	47	37	50	95	294	265	268	346	211	238	266	213	155	220	389
Worth	3	6	8	7	8	5	6	7	6	6	10	11	23	27	26	29	19	23	30	27	25	37
Wright	11	14	11	16	9	10	13	7	3	5	14	48	56	44	73	38	40	58	30	13	20	58
State of Iowa	2469	3000	3336	3741	2334	2222	2244	2033	2072	2837	4331	10073	12055	13539	15382	9595	9181	9371	8724	8705	11906	17374

Table 3. Total Annual Regular and Unemployed-Parent Family Investment Program Payments (in \$1,000s) in Iowa's Counties, 1987-1997.

County	Total Annual Regular FIP Payments (in \$1,000s)											Total Annual Unemployed-Parent FIP Payments (in \$1,000s)										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	191	205	213	205	242	249	230	206	164	188	231	34	57	40	37	33	20	9	6	6	24	32
Adams	134	190	190	234	201	215	193	169	183	197	222	39	40	47	61	59	53	45	33	28	30	36
Allamakee	267	321	374	369	367	357	268	313	338	360	370	41	31	30	43	16	13	37	16	28	29	51
Appanoose	978	1039	1110	1145	1191	1289	1352	1333	1379	1370	1255	205	211	236	283	239	241	206	169	153	233	319
Audubon	107	124	143	164	155	171	188	158	148	156	178	2	10	24	31	16	20	24	15	15	25	34
Benton	591	606	721	909	935	983	974	1016	856	879	937	77	103	136	157	117	85	90	53	60	99	124
Black Hawk	7998	9085	9997	11098	11040	11091	11232	11210	11503	11436	11845	642	667	731	840	692	627	702	732	913	1351	2073
Boone	631	767	911	1074	1137	1106	1011	900	971	991	1021	62	117	178	239	178	136	86	67	136	172	198
Bremer	348	450	552	662	615	521	555	523	514	559	641	48	65	65	83	54	68	90	89	62	116	187
Buchanan	590	705	796	915	991	1048	1097	1035	1052	1058	1168	97	153	171	196	107	101	120	140	167	294	447
Buena Vista	492	499	577	627	652	664	575	540	523	583	602	23	46	48	57	50	37	44	42	46	57	113
Butler	320	371	431	466	439	532	600	540	500	511	507	25	38	73	85	61	81	69	95	102	129	184
Calhoun	188	254	290	376	372	391	389	358	416	415	444	14	33	39	51	32	47	37	39	19	53	92
Carroll	335	411	498	528	541	516	522	505	511	465	502	21	34	32	39	27	23	31	26	27	22	42
Cass	414	509	631	738	747	646	619	600	569	520	527	14	66	98	106	44	64	57	45	19	40	95
Cedar	356	398	469	545	508	524	525	528	501	476	530	51	73	58	89	93	104	107	100	106	125	161
Cerro Gordo	1350	1692	1944	2311	2376	2415	2371	2361	2250	2227	2315	141	193	215	300	209	196	191	142	117	164	219
Cherokee	247	321	382	454	385	382	420	360	364	374	461	14	26	26	39	19	15	11	11	7	23	35
Chickasaw	236	250	311	376	341	313	317	336	372	367	433	47	46	43	61	34	32	31	33	22	63	124
Clarke	364	456	536	565	483	459	410	446	399	429	442	63	93	118	102	54	74	74	49	38	53	100
Clay	366	415	507	584	640	684	704	653	711	720	789	24	36	45	62	40	31	32	41	28	52	113
Clayton	192	223	287	367	402	471	493	463	508	517	514	35	37	36	56	26	39	39	30	49	74	97
Clinton	2488	2846	3325	3765	4001	3858	3820	3704	3521	3317	3310	315	406	416	522	339	350	396	333	349	443	734
Crawford	531	647	778	811	754	723	741	702	692	671	640	37	100	72	87	42	51	66	54	53	42	55
Dallas	683	856	1121	1265	1319	1331	1232	1212	1245	1175	1270	43	70	122	166	98	98	86	77	72	74	171
Davis	241	242	342	391	404	385	375	429	435	416	379	31	33	41	29	23	28	48	49	64	92	162
Decatur	359	417	416	502	525	536	499	438	411	416	425	50	85	91	105	44	66	57	36	39	50	68
Delaware	355	433	444	472	524	529	533	586	620	704	750	64	70	77	85	58	71	56	80	115	169	244
Des Moines	2390	2496	2738	3110	3244	3155	3091	3017	2806	2726	2749	244	271	295	342	262	195	222	233	201	158	266
Dickinson	276	300	362	386	314	339	390	397	452	450	458	41	74	67	57	35	25	31	24	40	40	55
Dubuque	2167	2272	2457	3123	3270	3304	3286	3403	3537	3746	3916	254	308	314	427	296	296	376	396	463	641	978
Emmet	221	252	306	420	441	440	461	499	499	521	617	19	25	45	73	65	62	60	55	59	68	112
Fayette	773	908	901	1077	1154	1092	1051	897	852	818	835	152	166	158	177	163	150	136	123	157	225	328

Table 3. Total Annual Regular and Unemployed-Parent Family Investment Program Payments (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	Total Annual Regular FIP Payments (in \$1,000s)											Total Annual Unemployed-Parent FIP Payments (in \$1,000s)										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Floyd	542	623	739	900	842	820	848	861	862	790	847	90	116	201	195	127	125	106	105	88	140	215
Franklin	245	265	319	378	344	370	353	347	396	388	378	22	34	52	57	25	47	53	48	56	35	38
Fremont	294	357	442	506	470	399	373	359	389	390	395	62	70	60	50	35	34	34	14	24	25	40
Greene	269	327	404	442	391	351	350	352	341	366	367	25	57	81	69	68	51	54	32	29	44	65
Grundy	167	211	223	234	292	309	306	289	245	233	247	31	26	45	35	29	29	44	38	49	55	76
Guthrie	202	284	359	463	490	495	452	403	426	454	512	28	56	61	66	52	34	25	31	40	56	87
Hamilton	320	367	447	603	622	577	572	484	492	559	633	40	46	58	100	80	90	94	61	40	54	98
Hancock	204	245	269	371	377	377	323	334	339	330	333	9	8	12	32	14	23	38	29	11	25	62
Hardin	505	562	695	878	864	799	717	691	656	676	684	54	87	105	135	63	58	60	40	50	72	83
Harrison	495	532	601	667	700	734	684	649	636	681	681	42	73	69	112	79	66	77	75	38	63	77
Henry	546	615	728	858	852	781	714	684	678	640	578	43	78	97	141	94	82	91	89	64	76	108
Howard	143	144	176	228	244	279	230	241	283	264	296	3	10	15	34	30	29	39	38	18	17	38
Humboldt	201	232	245	285	325	310	286	281	306	370	373	30	19	31	30	28	39	40	60	26	32	57
Ida	134	144	169	154	167	186	171	115	141	173	198	9	11	9	9	1	0	3	1	0	4	10
Iowa	207	260	260	328	298	279	280	298	257	293	315	3	25	27	36	25	26	26	21	12	15	48
Jackson	552	623	734	923	885	871	958	953	904	973	1024	87	105	120	181	167	132	168	155	202	312	414
Jasper	773	950	1119	1238	1396	1328	1297	1211	1211	1278	1447	94	113	161	197	112	85	77	109	96	122	184
Jefferson	577	599	673	788	754	748	789	733	683	583	660	100	114	162	214	169	141	119	113	99	110	125
Johnson	1919	2122	2264	2463	2353	2126	1996	1956	1899	1943	2027	182	235	221	195	118	94	90	85	58	79	124
Jones	448	524	620	654	658	616	604	617	679	761	825	67	77	103	94	74	76	68	66	58	77	99
Keokuk	442	464	468	561	623	589	654	600	612	531	504	57	77	96	87	73	86	95	104	89	100	150
Kossuth	302	333	412	507	503	497	499	481	406	422	432	38	53	60	74	52	60	52	58	52	43	67
Lee	2192	2276	2362	2918	2984	3066	3137	2943	2728	2759	2899	224	248	277	420	314	267	271	227	227	307	399
Linn	5967	6690	7253	8577	8724	8803	8763	8391	8190	8483	9129	580	613	717	870	622	649	712	597	552	933	1364
Louisa	502	545	674	750	744	750	684	621	568	605	651	88	100	109	134	86	82	107	91	91	79	120
Lucas	494	559	614	600	538	568	571	538	501	506	532	99	112	110	135	59	63	57	60	62	77	95
Lyon	144	200	210	221	218	184	162	181	186	218	200	13	14	16	6	5	3	0	0	8	19	42
Madison	178	234	312	396	404	403	451	428	452	423	407	21	32	51	45	32	46	26	19	37	23	61
Mahaska	867	914	1021	1168	1154	1199	1209	1176	1159	1097	1193	154	137	92	124	130	191	178	163	107	115	180
Marion	555	721	931	1155	1184	1128	1040	1016	992	987	1050	68	116	192	192	156	125	130	106	113	180	251
Marshall	1673	1786	1950	2370	2421	2400	2159	2034	1967	1895	1917	166	173	222	237	221	211	173	174	133	191	311
Mills	576	651	736	804	689	628	576	580	566	589	611	56	98	98	91	45	69	49	61	37	66	106
Mitchell	136	149	169	236	241	259	247	196	222	256	233	11	17	18	16	20	10	15	10	15	31	38

Table 3. Total Annual Regular and Unemployed-Parent Family Investment Program Payments (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	Total Annual Regular FIP Payments (in \$1,000s)											Total Annual Unemployed-Parent FIP Payments (in \$1,000s)										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Monona	197	232	306	420	467	537	582	537	474	517	540	29	44	32	55	53	60	79	58	57	75	127
Monroe	268	320	413	523	491	502	559	542	542	563	518	38	59	86	83	76	62	53	47	72	124	151
Montgomery	542	510	559	591	661	665	628	552	482	471	565	82	84	81	103	70	55	40	35	31	46	58
Muscatine	2049	2253	2548	2798	2795	2841	2840	2791	2678	2591	2773	373	435	451	506	379	349	393	432	395	493	607
O'Brien	228	248	306	327	335	334	301	276	287	333	353	29	41	58	38	30	44	16	7	7	18	58
Osceola	106	132	139	163	146	140	141	125	134	124	120	9	18	12	16	12	8	11	12	6	12	20
Page	618	670	716	837	825	868	913	890	915	887	874	114	141	133	167	147	116	118	73	105	123	161
Palo Alto	162	159	211	292	297	317	299	314	300	301	309	21	25	40	38	34	22	24	26	22	35	81
Plymouth	312	342	377	414	401	395	451	408	462	448	468	27	38	32	35	17	21	18	14	33	61	66
Pocahontas	198	189	189	258	267	317	303	241	200	219	236	35	36	53	30	38	22	22	39	29	13	43
Polk	15827	17992	21317	25235	25424	25712	24517	22482	20561	20187	19997	1249	1405	1513	1578	818	877	883	778	730	749	1101
Pottawattamie	4343	5066	5939	6924	7026	6840	6686	6181	5776	5735	5706	393	431	475	576	413	412	359	249	178	175	229
Poweshiek	434	482	564	725	670	661	642	586	498	531	574	66	93	94	69	56	87	63	39	34	64	128
Ringgold	166	195	198	211	209	220	232	240	273	274	270	21	48	58	80	48	40	37	25	35	66	95
Sac	202	272	301	364	349	371	354	339	330	303	306	45	39	47	62	41	37	28	20	26	30	33
Scott	10205	12130	13947	15617	15634	15564	15068	14370	13684	13571	13378	760	961	1219	1330	982	823	915	1009	1037	1257	1780
Shelby	258	318	329	314	300	299	324	310	273	301	321	18	28	54	67	28	39	34	43	16	25	39
Sioux	270	346	341	363	342	355	350	333	399	377	375	22	42	52	25	10	27	22	21	16	19	40
Story	1121	1413	1654	1706	1639	1652	1575	1496	1464	1451	1543	218	265	290	309	150	140	144	74	63	90	155
Tama	420	480	515	621	716	838	783	740	701	752	803	34	54	53	70	54	61	75	49	34	42	91
Taylor	228	300	315	418	417	385	425	411	365	357	414	49	57	44	53	22	23	37	43	44	56	58
Union	497	680	763	762	831	831	833	824	921	870	892	81	99	80	101	71	81	91	57	65	92	124
Van Buren	203	184	245	312	354	326	327	334	311	326	344	49	52	38	34	41	33	38	48	47	67	79
Wapello	2257	2496	2613	2940	3001	3082	3005	2880	2947	2944	2981	446	435	440	493	405	437	475	402	416	617	877
Warren	822	895	1266	1511	1499	1425	1320	1229	1198	1163	1250	46	67	88	87	60	95	89	100	94	110	161
Washington	410	484	465	614	610	639	622	627	569	615	673	62	67	78	72	52	34	58	52	50	108	106
Wayne	265	327	320	350	402	400	337	377	345	322	323	60	74	61	65	40	40	30	37	54	71	92
Webster	2047	2182	2513	2827	2967	2992	2989	2823	2608	2609	2777	170	218	323	400	318	266	262	259	224	206	434
Winnebago	180	207	237	346	307	295	288	309	242	201	229	32	28	30	33	27	25	18	21	21	34	49
Winneshiek	240	279	303	359	313	333	370	371	355	406	426	36	46	45	57	63	62	35	50	57	106	138
Woodbury	3997	4505	5273	6452	7243	7785	7796	7452	7089	7289	7408	307	299	283	350	259	293	324	253	183	258	474
Worth	102	120	187	247	282	264	231	239	207	236	314	10	23	27	27	39	26	25	36	26	25	50
Wright	292	358	468	514	469	562	551	519	495	492	500	45	55	46	69	48	47	70	41	15	23	66
State of Iowa	99416	113236	129496	150015	152185	152698	149622	143031	138255	138441	142426	10543	12742	14349	16580	11733	11388	11721	10763	10562	14099	21052

Table 4. Average and Adjusted (in 1997 \$s) Monthly Regular Family Investment Program Payments Per Person in Iowa's Counties, 1987-1997.

County	Average Regular FIP Payments Per Person											Adjusted (in 1997 \$s) Regular FIP Payments Per Person										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Adair	123	121	129	126	134	131	132	129	133	121	122	124	136	136	149	149	155	157	171	163	171	
Adams	118	115	115	122	131	125	132	123	129	124	119	118	121	132	145	143	155	150	166	167	167	
Allamakee	122	132	132	130	133	133	125	128	128	125	122	135	139	141	148	152	147	156	164	168	171	
Appanoose	132	130	134	139	140	137	138	139	136	129	126	133	141	150	155	156	162	170	175	174	177	
Audubon	124	123	130	121	126	124	126	122	123	122	131	126	137	131	140	141	148	149	158	164	184	
Benton	128	129	128	132	136	136	136	132	132	129	128	132	135	143	151	155	160	161	170	174	179	
Black Hawk	128	130	131	132	136	136	136	133	131	128	128	133	138	143	151	155	160	162	168	172	179	
Boone	127	128	128	136	140	141	143	140	141	136	132	131	135	147	155	161	168	171	181	183	185	
Bremer	130	122	125	129	135	138	138	138	133	125	125	125	132	140	150	157	162	168	171	168	175	
Buchanan	126	127	126	126	133	135	135	136	133	127	129	130	133	136	148	154	158	166	171	171	181	
Buena Vista	129	126	128	133	136	137	136	137	134	132	134	129	135	144	151	156	160	167	172	178	188	
Butler	116	122	126	131	134	132	133	134	129	126	125	125	133	142	149	151	156	164	166	170	175	
Calhoun	118	122	121	127	137	136	136	128	124	124	128	125	127	137	152	155	160	156	159	167	179	
Carroll	118	122	129	129	133	133	133	133	132	126	129	125	136	140	148	152	156	162	170	170	181	
Cass	121	122	126	126	128	132	139	134	129	127	126	125	133	136	142	151	163	164	166	171	177	
Cedar	126	129	132	131	137	139	137	131	132	130	131	132	139	142	152	159	161	160	170	175	184	
Cerro Gordo	127	130	133	135	140	139	139	136	132	130	132	133	140	146	155	159	163	166	170	175	185	
Cherokee	125	127	128	132	134	127	128	130	128	126	124	130	135	143	149	145	150	159	164	170	174	
Chickasaw	128	123	126	131	137	135	136	131	133	128	126	126	133	142	152	154	160	160	171	172	177	
Clarke	125	126	130	132	133	130	137	132	126	122	124	129	137	143	148	148	161	161	162	164	174	
Clay	126	127	134	134	140	135	140	134	134	132	136	130	141	145	155	154	164	164	172	178	191	
Clayton	123	131	125	131	138	137	134	127	129	124	125	134	132	142	153	156	157	155	166	167	175	
Clinton	129	131	132	137	141	142	140	139	134	130	130	134	139	148	156	162	164	170	172	175	182	
Crawford	129	130	132	131	135	132	134	133	132	129	129	133	139	142	150	151	157	162	170	174	181	
Dallas	133	134	133	138	144	142	139	136	134	128	128	137	140	149	160	162	163	166	172	172	179	
Davis	128	125	131	129	138	135	140	132	134	127	124	128	138	140	153	154	164	161	172	171	174	
Decatur	121	117	120	128	136	140	141	138	133	124	128	120	126	138	151	160	165	168	171	167	179	
Delaware	125	125	122	121	126	130	129	127	125	120	123	128	128	131	140	148	151	155	161	162	172	
Des Moines	127	129	130	134	137	138	137	133	130	127	127	132	137	145	152	157	161	162	167	171	178	
Dickinson	134	134	135	135	133	141	140	140	131	124	132	137	142	146	148	161	164	171	168	167	185	
Dubuque	122	123	127	131	136	136	136	136	136	135	134	126	134	142	151	155	160	166	175	182	188	
Emmet	125	118	122	136	135	134	128	130	126	122	128	121	128	147	150	153	150	159	162	164	179	
Fayette	127	129	131	130	134	134	134	130	129	128	125	132	138	141	149	153	157	159	166	172	175	

Table 4. Average and Adjusted (in 1997 \$s) Monthly Regular Family Investment Program Payments Per Person in Iowa's Counties, 1987-1997 (continued).

County	Average Regular FIP Payments Per Person											Adjusted (in 1997 \$s) Regular FIP Payments Per Person										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Floyd	124	126	130	129	135	136	137	135	130	129	128	129	137	140	150	155	161	165	167	174	179	
Franklin	127	121	120	127	133	139	139	133	132	133	134	124	126	137	148	159	163	162	170	179	188	
Fremont	119	120	124	124	132	130	132	129	128	124	125	123	130	134	146	148	155	157	164	167	175	
Greene	122	130	131	130	131	134	136	133	131	123	124	133	138	141	145	153	160	162	168	166	174	
Grundy	123	129	137	134	135	139	141	138	133	127	129	132	144	145	150	159	165	168	171	171	181	
Guthrie	121	121	128	126	133	134	134	129	128	119	121	124	135	136	148	153	157	157	164	160	170	
Hamilton	124	131	136	136	138	140	140	135	127	125	129	134	143	147	153	160	164	165	163	168	181	
Hancock	129	118	120	127	134	134	135	138	136	130	129	121	126	137	149	153	158	168	175	175	181	
Hardin	128	125	130	130	137	139	140	142	138	128	128	128	137	141	152	159	164	173	177	172	179	
Harrison	122	126	126	125	129	131	128	132	124	125	123	129	133	135	143	149	150	161	159	168	172	
Henry	123	126	126	127	134	136	134	132	127	129	134	129	133	137	149	155	157	161	163	174	188	
Howard	106	117	120	121	132	131	134	130	131	129	128	120	126	131	146	149	157	159	168	174	179	
Humboldt	134	121	116	113	126	130	136	138	129	127	131	124	122	122	140	148	160	168	166	171	184	
Ida	110	118	128	127	135	130	126	128	123	123	121	121	135	137	150	148	148	156	158	166	170	
Iowa	128	119	120	120	132	142	141	138	135	131	129	122	126	130	146	162	165	168	173	176	181	
Jackson	125	127	129	134	138	140	139	138	134	131	131	130	136	145	153	160	163	168	172	176	184	
Jasper	127	127	131	135	141	138	138	137	131	128	129	130	138	146	156	157	162	167	168	172	181	
Jefferson	132	131	130	133	137	143	141	136	136	128	128	134	137	144	152	163	165	166	175	172	179	
Johnson	130	130	132	132	137	140	150	137	139	137	142	133	139	143	152	160	176	167	179	185	199	
Jones	126	129	130	129	133	136	137	132	130	126	129	132	137	140	148	155	161	161	167	170	181	
Keokuk	123	125	129	130	135	142	140	132	126	120	119	128	136	141	150	162	164	161	162	162	167	
Kossuth	125	120	123	128	133	131	137	134	132	127	128	123	129	138	148	149	161	164	170	171	179	
Lee	131	126	126	130	134	135	135	134	130	127	128	129	133	141	149	154	158	164	167	171	179	
Linn	127	129	128	132	137	139	139	136	135	133	133	132	135	143	152	159	163	166	173	179	186	
Louisa	128	122	130	133	134	135	134	134	130	127	129	125	137	144	149	154	157	164	167	171	181	
Lucas	133	132	131	134	137	140	138	140	132	124	120	135	138	145	152	160	162	171	170	167	168	
Lyon	127	121	128	127	127	119	121	115	123	127	124	124	135	137	141	136	142	140	158	171	174	
Madison	131	131	127	126	138	141	140	136	131	126	128	134	134	136	153	161	164	166	168	170	179	
Mahaska	130	129	134	137	141	144	138	136	135	128	131	132	141	148	156	164	162	166	173	172	184	
Marion	116	119	123	132	136	136	138	137	133	134	131	122	129	143	151	155	162	167	171	181	184	
Marshall	128	127	129	130	136	139	137	137	134	132	133	130	136	141	151	159	161	167	172	178	186	
Mills	123	123	126	124	133	134	133	131	127	123	122	126	133	134	148	153	156	160	163	166	171	
Mitchell	126	126	137	135	139	141	135	138	139	134	133	129	144	146	154	161	158	168	179	181	186	

Table 4. Average and Adjusted (in 1997 \$s) Monthly Regular Family Investment Program Payments Per Person in Iowa's Counties, 1987-1997 (continued).

County	Average Regular FIP Payments Per Person											Adjusted (in 1997 \$s) Regular FIP Payments Per Person										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Monona	123	118	122	130	133	134	136	135	124	123	126	121	128	141	148	153	160	165	159	166	177	
Monroe	125	126	125	127	134	134	135	130	127	126	124	129	132	137	149	153	158	159	163	170	174	
Montgomery	130	128	124	132	141	140	141	137	131	130	132	131	130	143	156	160	165	167	168	175	185	
Muscatine	133	136	133	134	136	135	135	134	130	127	129	139	140	145	151	154	158	164	167	171	181	
O'Brien	129	121	124	125	132	132	135	132	130	121	124	124	130	135	146	151	158	161	167	163	174	
Osceola	119	120	114	122	128	134	127	120	119	114	114	123	120	132	142	153	149	147	153	154	160	
Page	126	123	123	126	133	133	134	129	129	127	125	126	129	136	148	152	157	157	166	171	175	
Palo Alto	125	122	123	128	129	125	128	131	125	117	125	125	129	138	143	143	150	160	161	158	175	
Plymouth	125	122	127	129	141	139	139	132	131	123	128	125	134	140	156	159	163	161	168	166	179	
Pocahontas	127	126	119	124	133	137	133	136	126	122	125	129	125	134	148	156	156	166	162	164	175	
Polk	129	129	132	135	139	140	140	137	133	129	130	132	139	146	154	160	164	167	171	174	182	
Pottawattamie	128	127	128	130	134	135	135	133	130	126	126	130	135	141	149	154	158	162	167	170	177	
Poweshiek	131	128	125	132	139	138	136	134	127	123	127	131	132	143	154	157	160	164	163	166	178	
Ringgold	122	128	122	130	139	146	140	138	134	131	132	131	128	141	154	167	164	168	172	176	185	
Sac	115	122	125	131	136	134	135	130	128	131	133	125	132	142	151	153	158	159	164	176	186	
Scott	124	126	130	134	138	137	137	135	132	129	129	129	137	145	153	156	161	165	170	174	181	
Shelby	125	125	129	134	132	135	134	129	127	115	122	128	136	145	146	154	157	157	163	155	171	
Sioux	121	124	120	123	139	135	132	124	126	118	118	127	126	133	154	154	155	151	162	159	165	
Story	130	133	136	139	143	143	143	141	142	138	136	136	143	150	159	163	168	172	182	186	191	
Tama	124	125	124	130	135	136	134	134	130	129	129	128	130	141	150	155	157	164	167	174	181	
Taylor	119	113	113	130	139	134	132	129	127	123	125	116	119	141	154	153	155	157	163	166	175	
Union	128	130	130	132	139	138	136	130	133	130	124	133	137	143	154	157	160	159	171	175	174	
Van Buren	119	119	127	133	134	137	134	131	132	127	130	122	134	144	149	156	157	160	170	171	182	
Wapello	131	130	131	133	140	140	141	135	133	129	128	133	138	144	155	160	165	165	171	174	179	
Warren	122	122	131	134	144	143	140	139	138	135	130	125	138	145	160	163	164	170	177	182	182	
Washington	121	123	119	130	134	135	134	127	125	120	126	126	125	141	149	154	157	155	161	162	177	
Wayne	129	136	126	122	129	128	130	132	124	119	123	139	133	132	143	146	153	161	159	160	172	
Webster	128	126	128	130	136	137	136	134	130	126	127	129	135	141	151	156	160	164	167	170	178	
Winnebago	125	122	121	127	134	137	131	132	126	124	129	125	127	137	149	156	154	161	162	167	181	
Winneshiek	128	140	132	137	132	131	131	134	129	130	129	143	139	148	146	149	154	164	166	175	181	
Woodbury	128	129	128	129	134	134	134	131	129	127	129	132	135	140	149	153	157	160	166	171	181	
Worth	123	118	118	134	140	144	132	134	123	125	133	121	124	145	155	164	155	164	158	168	186	
Wright	122	122	127	127	124	131	136	134	130	129	123	125	134	137	138	149	160	164	167	174	172	
State of Iowa	127	128	129	132	137	137	137	135	132	129	129	131	136	143	152	156	161	165	170	174	181	

Table 5. Average and Adjusted (in 1997 \$s) Monthly Unemployed-Parent Family Investment Program Payments Per Person in Iowa's Counties, 1987-1997.

County	Average Unemployed-Parent FIP Payments Per Person											Adjusted (in 1997 \$s) Average Unemployed-Parent FIP Payments Per Person										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Adair	104	96	92	82	99	91	92	103	66	81	101	98	97	89	110	104	108	126	85	109	141	
Adams	96	96	104	98	99	100	97	111	111	91	94	98	109	106	110	114	114	136	143	123	132	
Allamakee	83	95	105	99	97	88	102	111	112	110	111	97	110	107	108	100	120	136	144	148	155	
Appanoose	93	92	91	93	102	106	108	103	99	98	104	94	96	101	113	121	127	126	127	132	146	
Audubon	92	96	84	80	105	93	88	103	115	91	91	98	88	87	116	106	103	126	148	123	127	
Benton	80	77	80	91	101	94	97	101	90	96	104	79	84	98	112	107	114	123	116	129	146	
Black Hawk	92	90	92	95	102	101	106	102	102	100	101	92	97	103	113	115	124	125	131	135	141	
Boone	80	96	96	96	105	108	102	104	104	98	99	98	101	104	116	123	120	127	134	132	139	
Bremer	79	86	86	88	97	111	101	106	102	103	100	88	90	95	108	127	119	129	131	139	140	
Buchanan	80	88	90	85	101	104	101	105	98	97	98	90	95	92	112	119	119	128	126	131	137	
Buena Vista	79	92	95	97	107	107	112	107	98	92	99	94	100	105	119	122	131	131	126	124	139	
Butler	81	76	90	95	110	111	102	113	106	97	100	78	95	103	122	127	120	138	136	131	140	
Calhoun	59	74	71	77	94	109	107	101	95	97	94	76	75	83	104	124	126	123	122	131	132	
Carroll	94	92	98	84	89	99	114	92	89	112	113	94	103	91	99	113	134	112	114	151	158	
Cass	63	82	80	74	82	96	103	101	88	91	95	84	84	80	91	109	121	123	113	123	133	
Cedar	85	89	83	73	102	109	109	104	104	93	107	91	87	79	113	124	128	127	134	125	150	
Cerro Gordo	88	82	81	94	101	101	106	101	103	97	101	84	85	102	112	115	124	123	132	131	141	
Cherokee	85	98	103	102	110	110	116	104	97	115	104	100	108	110	122	125	136	127	125	155	146	
Chickasaw	92	93	84	93	98	99	101	102	88	93	102	95	88	101	109	113	119	125	113	125	143	
Clarke	89	94	101	103	105	101	103	91	106	99	100	96	106	111	116	115	121	111	136	133	140	
Clay	70	90	96	91	99	107	113	115	122	97	101	92	101	98	110	122	133	140	157	131	141	
Clayton	96	89	79	92	100	111	115	108	106	104	105	91	83	100	111	127	135	132	136	140	147	
Clinton	88	91	90	92	105	107	108	100	102	96	98	93	95	100	116	122	127	122	131	129	137	
Crawford	79	102	85	85	120	114	114	101	107	107	112	104	89	92	133	130	134	123	138	144	157	
Dallas	91	82	91	96	115	114	114	112	105	99	98	84	96	104	128	130	134	137	135	133	137	
Davis	108	103	93	93	112	116	112	108	106	100	104	105	98	101	124	132	131	132	136	135	146	
Decatur	87	92	91	90	101	109	110	110	112	109	103	94	96	97	112	124	129	134	144	147	144	
Delaware	89	91	82	87	98	98	91	96	88	96	99	93	86	94	109	112	107	117	113	129	139	
Des Moines	91	84	94	96	103	104	100	102	99	96	102	86	99	104	114	119	117	125	127	129	143	
Dickinson	83	85	81	106	110	109	102	92	87	91	88	87	85	115	122	124	120	112	112	123	123	
Dubuque	79	80	80	86	97	98	100	100	99	94	97	82	84	93	108	112	117	122	127	127	136	
Emmet	75	74	73	89	99	102	96	95	102	94	102	76	77	96	110	116	113	116	131	127	143	
Fayette	89	87	87	90	104	107	110	99	105	104	105	89	92	97	115	122	129	121	135	140	147	

Table 5. Average and Adjusted (in 1997 \$s) Monthly Unemployed-Parent Family Investment Program Payments Per Person in Iowa's Counties, 1987-1997 (continued).

County	Average Unemployed-Parent FIP Payments Per Person											Adjusted (in 1997 \$s) Average Unemployed-Parent FIP Payments Per Person										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Floyd	81	90	92	92	102	105	104	111	97	92	94	92	97	100	113	120	122	136	125	124	132	
Franklin	89	84	84	80	86	98	105	97	102	108	102	86	88	87	95	112	123	118	131	145	143	
Fremont	82	76	71	72	98	96	101	97	99	98	101	78	75	78	109	109	119	118	127	132	141	
Greene	86	98	91	89	106	96	109	97	106	99	99	100	96	96	118	109	128	118	136	133	139	
Grundy	103	98	93	94	101	94	94	114	107	100	99	100	98	102	112	107	110	139	138	135	139	
Guthrie	80	90	98	89	96	106	109	102	106	102	99	92	103	96	106	121	128	125	136	137	139	
Hamilton	98	82	79	89	100	97	99	99	95	98	103	84	83	96	111	111	116	121	122	132	144	
Hancock	90	95	82	89	101	97	99	108	85	92	90	97	86	96	112	111	116	132	109	124	126	
Hardin	97	99	104	90	109	105	98	96	96	92	100	101	109	97	121	120	115	117	123	124	140	
Harrison	91	82	78	76	90	101	93	104	106	106	99	84	82	82	100	115	109	127	136	143	139	
Henry	74	82	85	88	98	95	96	105	93	101	100	84	89	95	109	108	113	128	120	136	140	
Howard	64	84	97	89	96	96	98	117	105	96	103	86	102	96	106	109	115	143	135	129	144	
Humboldt	79	90	87	83	104	111	110	101	90	106	96	92	92	90	115	127	129	123	116	143	134	
Ida	78	83	70	62	62	a	117	108	a	90	92	85	74	67	69	a	137	132	a	121	129	
Iowa	91	79	90	83	110	102	100	102	100	99	100	81	95	90	122	116	117	125	129	133	140	
Jackson	89	94	88	92	103	97	103	106	99	97	99	96	93	100	114	111	121	129	127	131	139	
Jasper	86	90	93	96	102	107	112	98	106	97	98	92	98	104	113	122	131	120	136	131	137	
Jefferson	84	91	85	93	103	105	108	103	105	99	104	93	89	101	114	120	127	126	135	133	146	
Johnson	86	93	94	94	103	108	103	98	99	97	108	95	99	102	114	123	121	120	127	131	151	
Jones	87	88	87	80	103	102	100	105	100	100	105	90	92	87	114	116	117	128	129	135	147	
Keokuk	78	87	98	90	94	93	95	107	104	98	98	89	103	97	104	106	111	131	134	132	137	
Kossuth	91	77	75	73	82	99	89	89	94	97	96	79	79	79	91	113	104	109	121	131	134	
Lee	88	85	78	88	105	105	108	105	102	100	102	87	82	95	116	120	127	128	131	135	143	
Linn	84	87	85	87	99	98	101	100	101	99	103	89	89	94	110	112	119	122	130	133	144	
Louisa	93	86	103	100	106	103	110	110	100	103	103	88	108	108	118	117	129	134	129	139	144	
Lucas	97	101	100	94	97	103	92	100	98	97	97	103	105	102	108	117	108	122	126	131	136	
Lyon	116	93	76	101	104	124	a	a	91	89	102	95	80	109	115	141	a	a	117	120	143	
Madison	99	85	85	79	107	109	93	92	103	81	90	87	89	85	119	124	109	112	132	109	126	
Mahaska	97	89	90	90	108	112	112	106	110	105	116	91	95	97	120	128	131	129	141	141	163	
Marion	80	88	95	94	108	109	110	111	108	101	102	90	100	102	120	124	129	136	139	136	143	
Marshall	98	91	90	86	105	109	102	107	106	101	100	93	95	93	116	124	120	131	136	136	140	
Mills	80	79	83	85	92	103	97	108	97	93	99	81	87	92	102	117	114	132	125	125	139	
Mitchell	71	83	92	119	110	103	123	96	110	95	119	85	97	129	122	117	144	117	141	128	167	

^aNo payments of this kind were made this year.

Table 5. Average and Adjusted (in 1997 \$s) Monthly Unemployed-Parent Family Investment Program Payments Per Person in Iowa's Counties, 1987-1997 (continued).

County	Average Unemployed-Parent FIP Payments Per Person											Adjusted (in 1997 \$s) Average Unemployed-Parent FIP Payments Per Person										
	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	
Monona	92	108	103	88	110	102	103	104	101	94	100	110	108	95	122	116	121	127	130	127	140	
Monroe	78	81	88	91	105	105	104	102	103	103	105	83	93	98	116	120	122	125	132	139	147	
Montgomery	83	83	82	81	94	118	120	103	112	93	90	85	86	88	104	135	141	126	144	125	126	
Muscatine	89	96	89	89	99	104	103	105	102	102	98	98	94	96	110	119	121	128	131	137	137	
O'Brien	72	86	80	76	85	92	104	116	78	90	101	88	84	82	94	105	122	142	100	121	141	
Osceola	96	82	75	105	99	113	115	113	89	75	84	84	79	114	110	129	135	138	114	101	118	
Page	79	84	90	83	102	97	110	95	102	103	100	86	95	90	113	111	129	116	131	139	140	
Palo Alto	72	75	74	81	113	109	99	91	100	104	103	77	78	88	125	124	116	111	129	140	144	
Plymouth	74	92	75	84	95	111	117	85	107	96	95	94	79	91	105	127	137	104	138	129	133	
Pocahontas	98	93	103	87	102	104	106	94	97	84	101	95	108	94	113	119	124	115	125	113	141	
Polk	89	91	91	93	104	105	109	105	102	99	103	93	96	101	115	120	128	128	131	133	144	
Pottawattamie	89	90	86	89	101	104	105	101	99	95	99	92	90	96	112	119	123	123	127	128	139	
Poweshiek	103	98	99	92	106	105	102	95	80	91	97	100	104	100	118	120	120	116	103	123	136	
Ringgold	75	85	82	99	114	115	114	109	97	107	114	87	86	107	126	131	134	133	125	144	160	
Sac	88	67	75	83	97	100	100	113	103	100	104	68	79	90	108	114	117	138	132	135	146	
Scott	84	84	91	92	103	103	106	103	102	100	102	86	96	100	114	117	124	126	131	135	143	
Shelby	100	99	92	100	103	102	106	104	99	88	93	101	97	108	114	116	124	127	127	119	130	
Sioux	85	93	103	105	100	103	120	105	66	56	67	95	108	114	111	117	141	128	85	75	94	
Story	82	86	88	85	101	109	106	103	118	134	119	88	93	92	112	124	124	126	152	181	167	
Tama	83	90	89	84	99	103	101	107	105	113	108	92	94	91	110	117	119	131	135	152	151	
Taylor	77	75	79	90	89	105	105	89	102	104	100	77	83	97	99	120	123	109	131	140	140	
Union	83	82	74	78	96	107	111	105	97	111	103	84	78	84	106	122	130	128	125	150	144	
Van Buren	91	86	89	82	108	115	109	106	98	98	92	88	94	89	120	131	128	129	126	132	129	
Wapello	94	94	89	95	104	102	105	106	104	100	103	96	94	103	115	116	123	129	134	135	144	
Warren	85	82	80	81	98	107	100	101	105	97	100	84	84	88	109	122	117	123	135	131	140	
Washington	95	85	85	75	99	104	99	110	105	104	108	87	89	81	110	119	116	134	135	140	151	
Wayne	88	87	82	92	96	100	96	97	109	109	106	89	86	100	106	114	113	118	140	147	148	
Webster	82	76	87	92	99	101	97	100	98	95	99	78	92	100	110	115	114	122	126	128	139	
Winnebago	106	85	91	97	123	121	91	98	97	100	113	87	96	105	136	138	107	120	125	135	158	
Winneshiek	76	87	71	78	96	102	109	100	101	101	101	89	75	84	106	116	128	122	130	136	141	
Woodbury	87	94	88	84	102	103	101	99	98	98	102	96	93	91	113	117	119	121	126	132	143	
Worth	79	84	82	87	113	113	92	100	79	84	112	86	86	94	125	129	108	122	102	113	157	
Wright	78	82	87	79	105	99	101	114	95	95	95	84	92	85	116	113	119	139	122	128	133	
State of Iowa	87	88	88	90	102	103	104	103	101	99	101	90	93	97	113	117	122	126	130	133	141	

Hawk and Scott. These three counties alone accounted for more than a third (34.2%) of Iowa's average monthly regular FIP recipients. Seventy-seven of Iowa's counties had fewer than 500 recipients in 1997, although Adams, Audubon, Lyon, Mitchell, Osceola, and Worth were the only counties below 100.

Declines from 1996 to 1997 in the number of recipients took place in 94 counties; 61 of these counties had decreases of less than 50. Eight declined by more than 200 persons; only Polk and Scott had decreases greater than 1,000. Increases in the number of recipients occurred in four counties between 1996 and 1997. Gains were relatively minor (less than 20) in all of these counties.

Iowa had nearly 26,800 fewer persons receiving regular FIP payments each month, on average, in 1997 than in 1987. All but two (Henry, Johnson) of Iowa's 99 counties followed this trend. Black Hawk, Linn, Polk, Scott, and Woodbury dropped by at least 1,000; most (51) lost between 100 and 1,000 recipients.

Unemployed-Parent Family Investment Cases and Recipients

Iowa averaged more than 2,450 unemployed-parent FIP cases each month in 1997 (Table 2). The 1997 average was less than those in 1987, 1988, and 1994-1996. Forty-one of the counties averaged fewer than 10 unemployed-parent cases each month in 1997. Fifty-four counties had from 10 to 99 unemployed-parent cases. The highest monthly averages were in four counties (Black Hawk, Linn, Polk, Scott) with more than 100 each; Polk's average of 279 was the highest.

Unemployed-parent cases decreased, on average, by 531 between 1996 and 1997 in the state. Most (86) of the counties reported increases or decreases of nine or fewer cases or no change from one year to the next. Clinton, Polk, and Scott decreased by more than 20 cases.

Iowa's unemployed-parent case average was lower by nearly 1,900 in 1997 than it was in 1987. Eighty-four counties also had declines when comparing these years. Black Hawk, Dubuque, Linn, and Scott had decreases of 100 or more cases. Five counties remained the same; the remaining 10 had increases over the period, although only Polk, Pottawattamie, and Story reported at least 20 more cases in 1997 than in 1987.

The average monthly number of FIP recipients in the unemployed-parent program was 10,073 in 1997, a figure 1,982 lower than in 1996 (Table 2, Figure 2). Polk had the highest monthly average (1,169) of unemployed-parent recipients in 1997; Black Hawk, Linn, and Scott also were greater than 500. Eighteen other counties averaged at least 100 recipients. The counties with the lowest averages (fewer than 10) of unemployed-parent recipients were Audubon, Hancock, Howard, Iowa, Lyon, and Osceola.

The number of recipients of unemployed-parent FIP benefits decreased between 1996 and 1997. Thirty-three counties reported changes in either direction of fewer than 10 recipients between these two years. Other than Woodbury (+29), no county's gain exceeded 20. Iowa averaged 7,300 fewer persons per month receiving unemployed-parent FIP benefits in 1997 than in 1987. Most (84) of the counties followed the downward state trend. Decreases greater than 500 occurred in Black Hawk, Dubuque, Linn, and Scott. Of the 15 counties with more unemployed-parent recipients in 1997 than in 1987, only Polk, Pottawattamie, and Story increased by more than 100.

Cases and recipients in the unemployed-parent portion of the FIP have varied much more in the 1980s and 1990s than those in the regular Family Investment Program. The unemployed-parent program corresponds much more closely to variations in Iowa's economy than does the regular program.

Total Annual Family Investment Payments

Total benefits paid in Iowa in 1997 for the regular FIP exceeded \$99 million, which was about 14 million less than the 1996 total (Table 3, Figure 3). Payments decreased in 7 of the 10 year-to-year comparisons; declines of at least \$10 million occurred each year since 1994. Totals in 1997 varied from less than \$110,000 in Audubon, Osceola, and Worth to more than \$10 million in Polk and Scott. Polk's figure, at \$15.8 million, was more than \$5 million above the second highest total (Scott, \$10.2 million). Only four counties reported higher benefits paid to participants in the regular program in 1997 than in

1996. Three (Black Hawk, Polk, Scott) of the 95 counties that had decreases in total payments dropped by more than \$1 million between 1996 and 1997.

Iowa's total payments to regular recipients decreased by \$43 million between 1987 and 1997; all of the counties had lower benefits paid at the end of the period. Declines in Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury each topped \$1 million.

Unemployed-parent program benefits totaled \$10.5 million in 1997 (Table 3, Figure 4). Benefits paid by this program have been significantly lower than those for the regular program because the caseload is much smaller. Payments increased from 1993 to 1994 but declined in 1995, 1996, and 1997.

Fourteen counties provided less than \$20,000 in unemployed-parent benefits in 1997, with Audubon (\$2,200) reporting the lowest figure. The highest benefits were recorded in Polk (\$1.2 million), which was the only one greater than \$1 million. Most (89) of Iowa's counties distributed lower unemployed-parent benefits in 1997 than in 1996.

Total costs for the unemployed-parent program in Iowa were \$10.5 million lower in 1997 than in 1987. Most (89) counties also reported lower benefits at the end of the period; among these, Black Hawk and Scott had decreases greater than a million dollars. For counties with higher payments in 1997 than in 1987, the increases tended to be small.

Average Monthly Payments Per Person

The average per person benefit per month for the regular program was \$127 in 1997 (Table 4). This was slightly lower than the figures from 1987 through 1996 (Figure 5). Among the counties, there was a \$28 difference between the lowest (\$106 in Howard) and the highest (\$134 in Dickinson and Humboldt) monthly per person benefits in 1997. For all the years from 1987 through 1997, less than \$30 separated the lowest and highest county in per person monthly payments for the regular program.

Changes between 1996 and 1997 in the regular program benefits were small in most counties; a \$13 increase in Humboldt County was the largest change in either direction. Modest change also is noted when 1987 and 1997 are compared. Iowa averaged \$2 less per person in the regular program in the later year and decreases were recorded for 57 counties. Howard was the only one to drop by at least \$20 across the period.

The state's average per person decrease of 1.6 percent between 1987 and 1997 did not keep pace with inflation as measured by a 40.1 percent rise in the consumer price index for the same years. Indeed, decreases in average per person benefits ranged from 1 to 17 percent in 57 counties. Benefit increases were less than 10 percent in 32 counties, with the only higher gain in Lucas (+10.8%) well below the rate of inflation. The small percentage change in per person benefits for the regular FIP from 1987 to 1997 contrasts sharply with percentage increases for average monthly benefits per person in the food stamp (+43.9%) program. Clearly, the increase in average regular FIP payments per month did not keep pace with inflationary trends.

Another way to examine this is to adjust benefits for inflation. When this was done, regular program payments per person declined from \$181 in 1987 to \$127 in 1997, a 29.8 percent decrease in purchasing power (Table 4, Figure 5). All 99 counties experienced a similar trend, with Lucas reporting the only decrease under 25 percent, while Dubuque, Howard, Ida, Marion, and Sac had declines of at least 35 percent in payments per person after inflation is taken into account.

For persons in the unemployed-parent program, monthly payments statewide averaged \$87 in 1997 (Table 5). This was about the same as 1995 and 1996 (Figure 5). For the state and the counties, per person payments for the unemployed-parent program have been lower than those for the regular program, frequently by \$40 or more per month.

In 1997, county-level average benefits per person in the unemployed-parent program ranged from \$59 (Calhoun) to \$116 (Lyon). For any given year, there was more variation among the counties in the unemployed-parent payments than in those for the regular program.

The 1997 average benefits for persons in the unemployed-parent program was \$14 less than that in 1987 for the state, and 86 counties had lower average payments in 1997 than 10 years earlier. Three counties (Lyon, Osceola, Sioux) gained at least \$10 across the 10 years, while Mitchell dropped by more than \$40. When adjusted for inflation, benefits for persons in the unemployed-parent program decreased 38.3 percent from 1987 to 1997 (Table 5, Figure 5). Again all counties experienced this trend; while Sioux noted a decline of less than 10 percent, eight others (Calhoun, Cass, Clay, Howard, Mitchell, Palo Alto, Ringgold, Story) decreased average payments per person by at least 50 percent when inflation was included in the calculations.

Figure 1. Average number of FIP regular recipients per month in Iowa, 1980-1997.

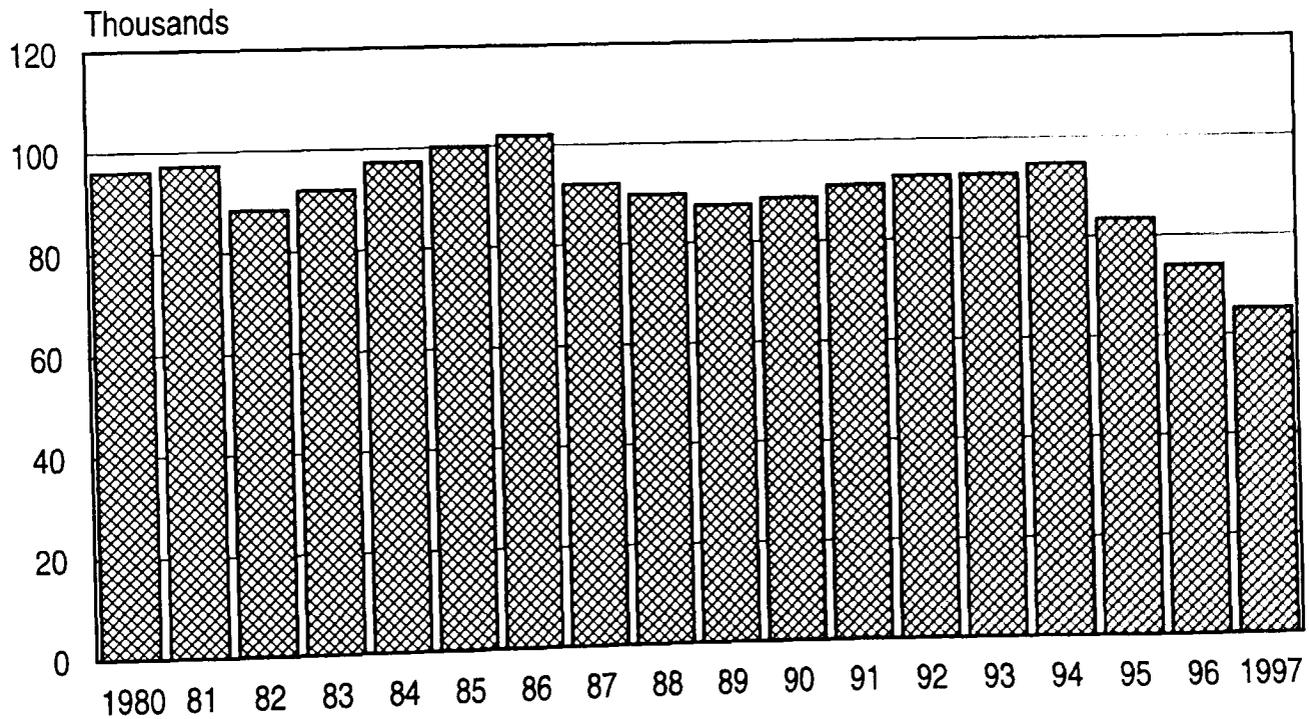


Figure 2. Average number of FIP unemployed-parent recipients per month in Iowa, 1983-1997.

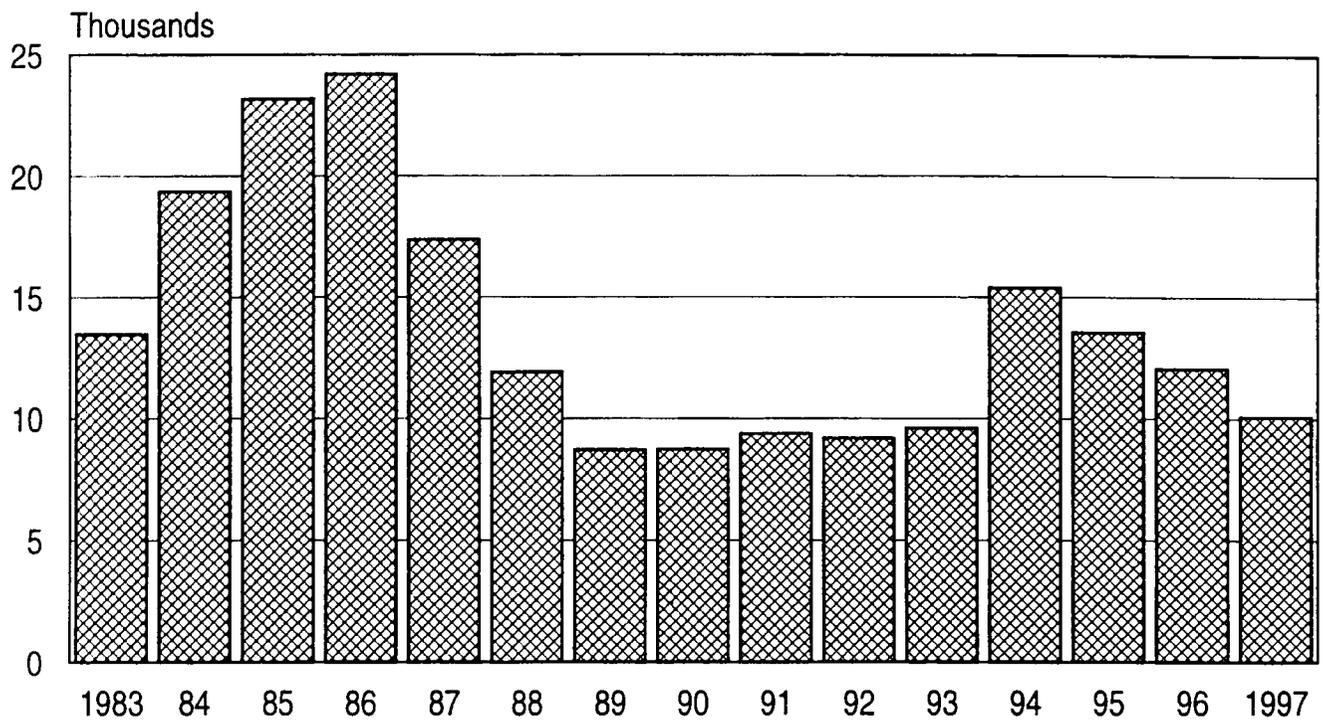


Figure 3. Total annual payments to persons receiving regular FIP benefits in Iowa, 1980-1997.

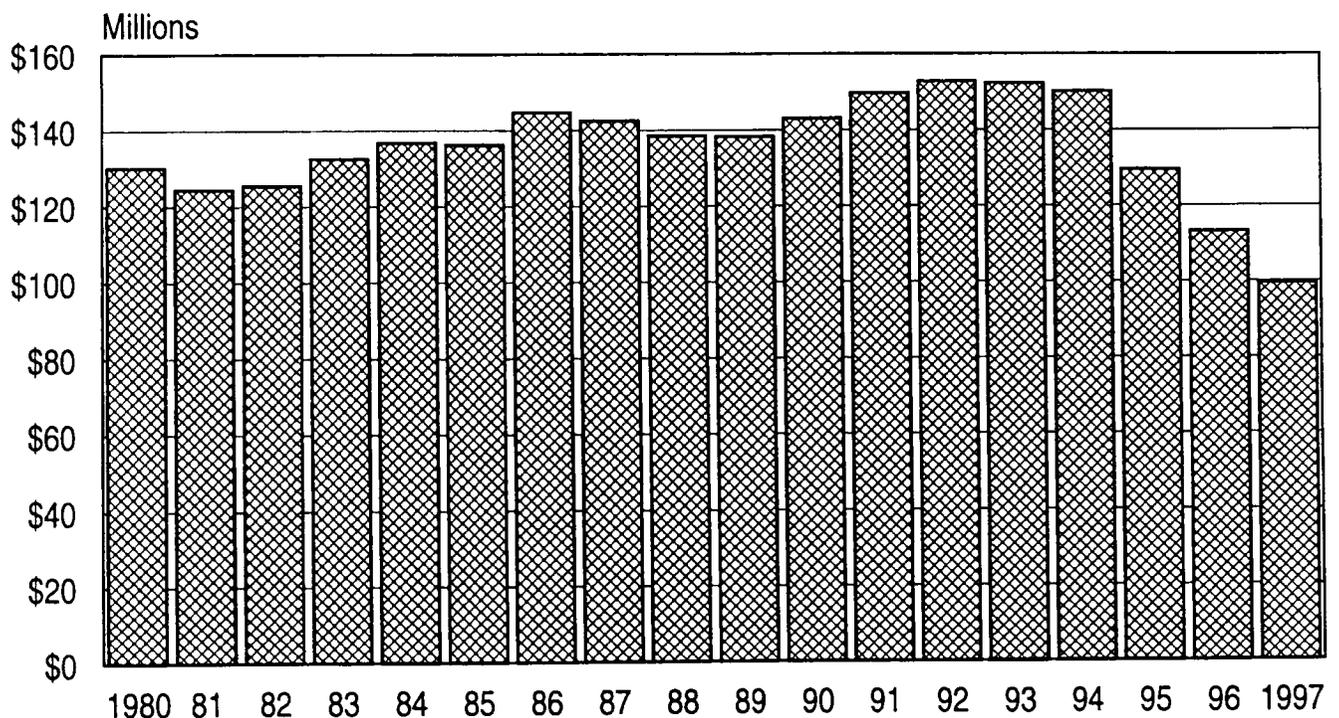


Figure 4. Total annual payments to persons receiving unemployed-parent FIP benefits in Iowa, 1983-1997.

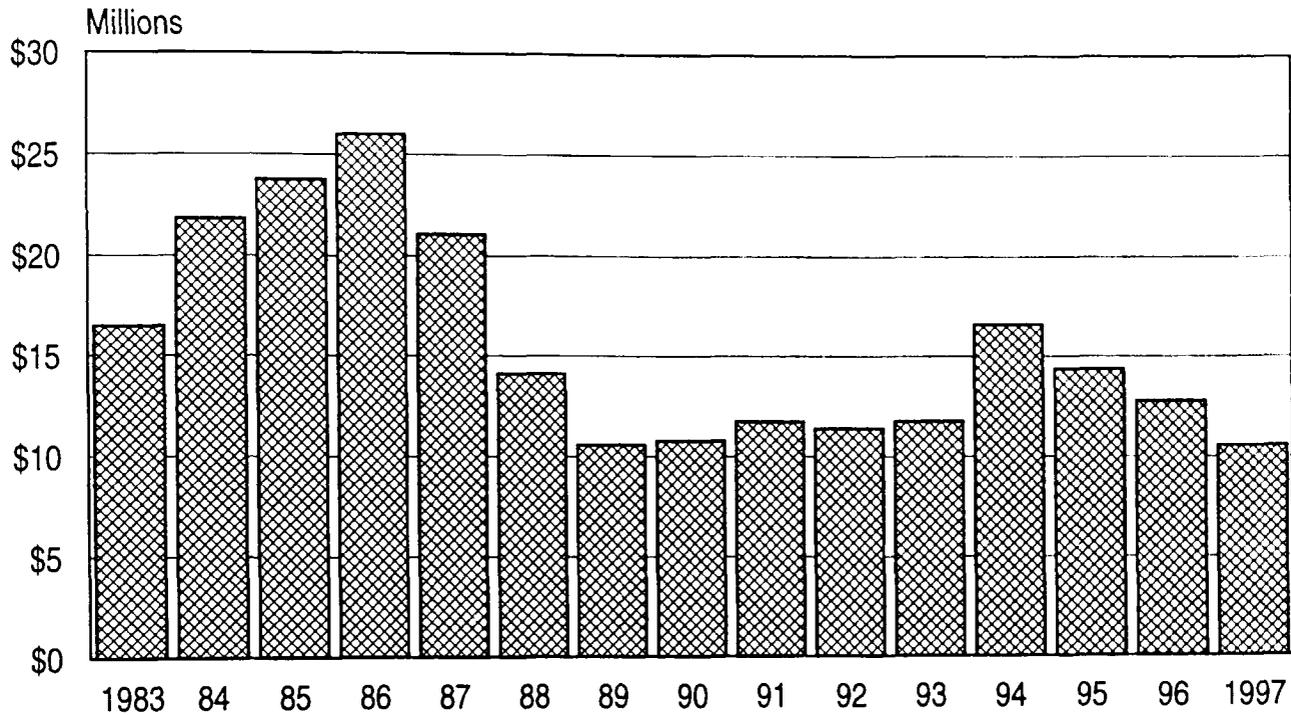
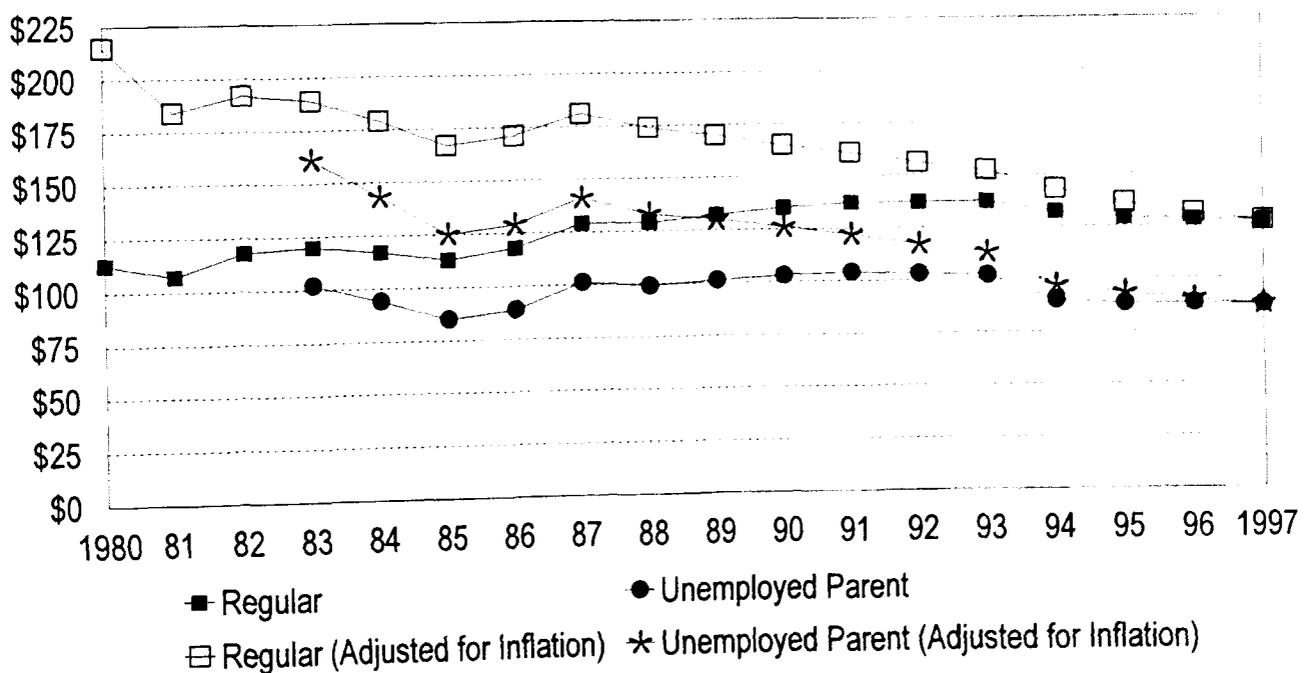
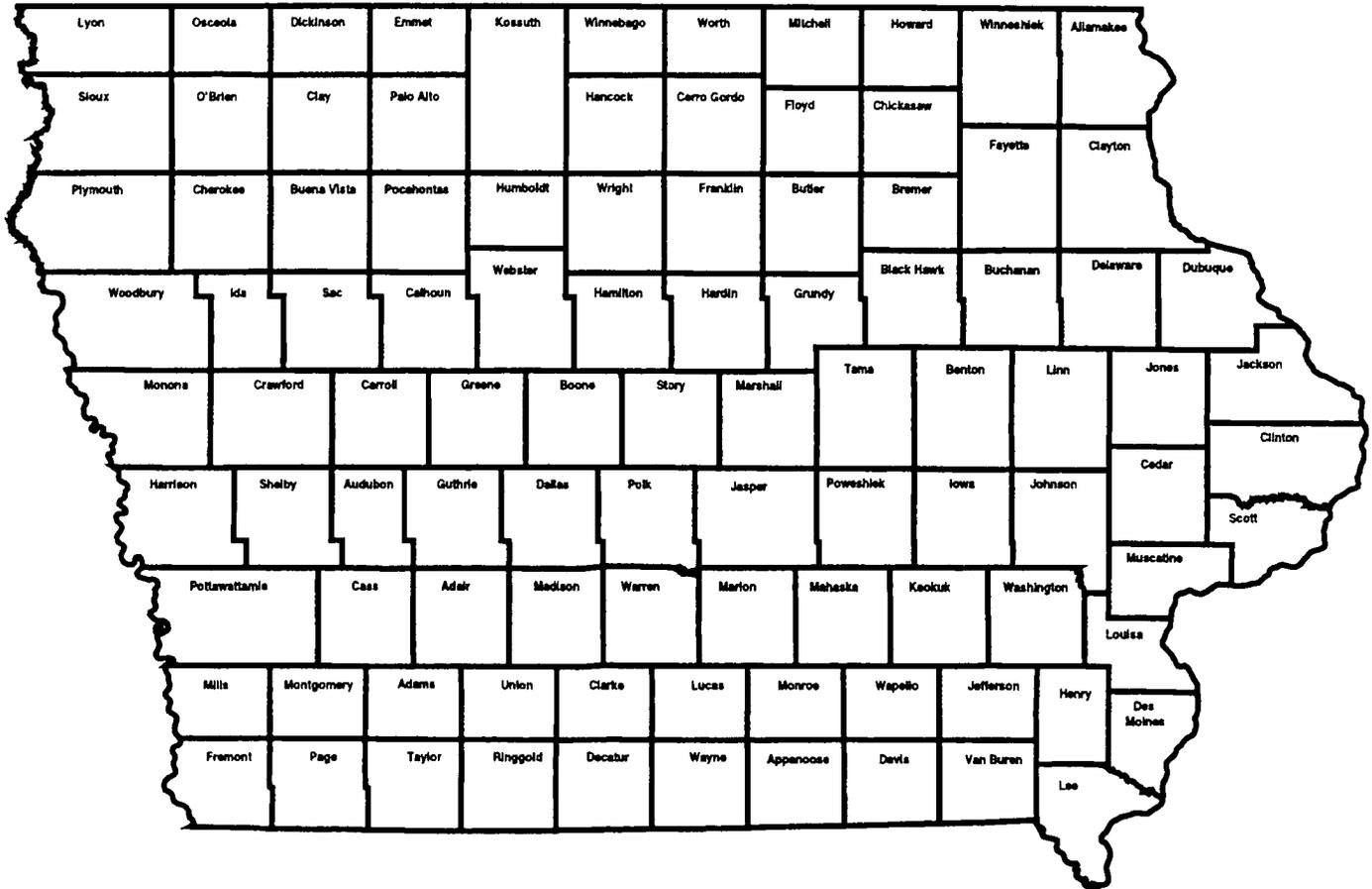


Figure 5. Average monthly FIP payments (in \$s and in 1997 \$s adjusted for inflation) per recipient, 1980-1997.





Public and Non-Public School Enrollment in Iowa's Counties: 1980-1997

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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 1997, 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 1997, 496,297 students were enrolled in public schools in Iowa (Table 1). This was 17,000 more than the 478,982 reported in 1987. Declines occurred annually from 1980 through 1988, but slight gains took place each year from 1988 to 1996. About 20,000 more public school students were counted in 1997 than at the low point in 1988 (Figure 1).

Fifty counties had more students in public schools in 1997 than 10 years earlier; six (Dallas, Johnson, Linn, Polk, Story, Woodbury) had at least 1,000 more. Declines in the other 49 counties ranged from less than 100 in 14 counties to more than 500 in Black Hawk, Butler, Cherokee, Crawford, and Des Moines.

Enrollment in Non-Public Schools

A total of 43,436 non-public school students were enrolled in Iowa in 1997 (Table 2). This was down more than 5,000 from the 48,808 reported in 1987. In only two year-to-year comparisons during this period were there slight increases; there were 180 more non-public school students in 1988 than in 1987 and 99 more in 1993 than in 1992.

Thirty counties had no students enrolled in non-public schools from 1980 through 1997 according to reports from the Iowa Department of Education. That does not necessarily mean that some students of non-public schools do not live in these counties; they could, but the location of the administrative headquarters could be in another county. It could also be that a school did not file an enrollment report. There were seven counties (Cedar, Emmet, Hardin, Jefferson, Keokuk, Poweshiek, Sac) for which non-public school students were reported for some but not all years included here.

Of the 65 counties with non-public school students in both 1987 and in 1997, 14 had increases among these students and 51 had decreases. Gains ranged from less than 50 in nine counties to 100 or more in three (Buena Vista, Johnson, Scott). Declines had a much greater range; 23 counties had decreases among non-public school students that were less than 50, but 13 dropped by more than 100.

Table 1. Public School Enrollment in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1253	1259	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364
Adams	733	736	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900
Allamakee	2773	2767	2767	2832	2776	2774	2762	2744	2770	2744	2798	2809	2882	2891	2982	3085	3098	3383
Appanoose	2427	2478	2492	2460	2461	2524	2518	2502	2485	2542	2575	2532	2473	2542	2595	2636	2712	2798
Audubon	1146	1162	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499
Benton	4273	4305	4172	4117	4121	4362	4322	4325	4297	4191	4233	4278	4306	4330	4439	4534	4735	4923
Black Hawk	18317	18283	18445	18518	18449	18143	18625	18791	18710	18570	18819	18981	19539	20094	20722	21170	21248	21869
Boone	4142	4218	4212	4123	4136	4099	4043	3992	3934	3920	3874	3928	3948	3912	3956	3988	4129	4258
Bremer	5309	5677	5812	5815	5812	5774	5699	5594	5675	5639	5718	5853	6021	6129	6154	6273	6455	6697
Buchanan	3302	3383	3422	3431	3410	3446	3382	3424	3353	3305	3270	3180	3273	3357	3423	3517	3616	3704
Buena Vista	3892	3843	3897	3912	3898	3432	3445	3312	3130	3095	3039	3191	3076	3077	3061	3069	3140	3230
Butler	2124	2170	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291
Calhoun	2571	2612	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913
Carroll	3371	3406	3239	3255	3313	3295	3179	3069	2926	2863	2688	2648	2653	2674	2710	2799	2808	2952
Cass	3110	3180	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566
Cedar	3670	3672	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3848	3981
Cerro Gordo	7287	7413	7437	7408	7357	7321	7349	7320	7282	7344	7436	7301	7272	7294	7220	7212	7493	7721
Cherokee	2318	2369	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216
Chickasaw	2626	2389	2392	2355	2352	2346	2339	2367	2359	2388	2422	2477	2566	2613	2684	2771	2863	3061
Clarke	1782	1793	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694
Clay	2970	2986	3046	3057	3071	3458	3450	3419	3392	3366	3249	3245	3349	3349	3359	3339	3402	3513
Clayton	3711	3724	3743	3760	3740	3737	3769	3780	3785	3816	3789	3760	3876	3912	3950	4006	4067	4135
Clinton	8901	8951	9062	9186	9276	9365	9418	9325	9359	9374	9385	9626	9816	9950	10265	10635	10963	11262
Crawford	2678	2621	2660	2751	2928	2956	3210	3243	3279	3428	3498	3577	3640	3622	3636	3729	3752	3788
Dallas	8021	7757	7589	7250	7060	6887	6776	6627	6417	6350	6355	6258	6249	6134	6113	6147	6358	6456
Davis	1251	1310	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608
Decatur	1420	1385	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687
Delaware	3793	3812	3811	3737	3754	3679	3608	3581	3453	3464	3427	3400	3394	3434	3680	3599	3679	3790
Des Moines	7304	7482	7503	7615	7643	7645	7715	7762	7750	7765	7820	7813	7762	7789	7805	8031	8253	8607
Dickinson	2844	2895	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938
Dubuque	12391	12520	12481	12367	12380	12063	11893	11869	12019	12232	12814	13105	12408	12643	12941	13370	13855	14644
Emmet	2036	2083	2224	2248	2260	2247	2271	2278	2324	2332	2308	2300	2369	2655	2516	2557	2657	2677
Fayette	4385	4421	4453	4514	4470	4481	4440	4449	4396	4412	4435	4509	4724	4853	5164	5256	5334	5665
Floyd	3094	3136	3112	3185	3171	3224	3207	3174	3142	3211	3238	3253	3350	3510	3565	3719	3860	4004
Franklin	1999	2165	2046	1905	1862	1968	1941	1985	1856	1762	1733	1808	1806	1819	1887	1865	1896	1945
Fremont	1612	1650	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769
Greene	2024	2026	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329
Grundy	2974	3019	2752	2747	2727	2740	2261	2223	2267	2314	2341	2418	2488	2571	2622	2716	2825	2855
Guthrie	2325	2326	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885
Hamilton	2990	3029	3072	3095	3050	3074	3088	3099	3184	3056	3081	3055	3107	3176	3235	3318	3406	3539
Hancock	2103	2129	2070	2086	2320	2332	2397	2393	2352	2402	2390	2381	2404	2365	2424	2443	2537	2583
Hardin	3541	3656	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4532	4786
Harrison	3381	3345	3349	3327	3010	3063	3032	3016	2926	3049	3074	3041	3105	3208	3232	3309	3374	3476
Henry	3844	3773	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764
Howard	2158	2162	2246	2286	2191	2168	2143	2119	2063	2055	2045	2080	2103	2101	2223	2284	2336	2479
Humboldt	1925	1923	1934	1936	1940	1916	1948	1912	1899	1887	1927	1897	1967	1991	2027	2124	2234	2339
Ida	1546	1553	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513
Iowa	2785	2748	2716	3085	2991	2973	2913	2828	2635	2587	2604	2639	2698	2651	2719	2827	2953	3116
Jackson	3590	3659	3655	3680	3732	3725	3675	3621	3588	3655	3753	3730	3809	3998	4203	4205	4321	4455
Jasper	6329	6418	6365	6318	6492	6411	6439	6344	6338	6319	6452	6428	6463	6456	6598	6590	6897	7034

Table 1. Public School Enrollment in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2145	2134	2137	2030	2011	2014	2102	1977	1976	2020	2017	2036	2120	2246	2282	2349	2467	2596
Johnson	12992	12787	12695	11985	11911	11654	11388	11070	10953	11036	10553	10358	10298	10140	10183	10357	10381	10596
Jones	3482	3513	3523	3562	3523	3337	3211	3214	3304	3279	3315	3367	3470	3517	3546	3637	3702	3950
Keokuk	2446	2471	2488	2445	2440	2399	2437	2447	2436	2410	2429	2395	2451	2450	2402	2362	2480	2618
Kossuth	2694	2748	2712	2707	2727	2685	2679	2702	2649	2561	2487	2583	2718	2754	2807	2883	2986	3183
Lee	6224	6341	6462	6536	6565	6540	6533	6380	6287	6323	6535	6550	6532	6483	6607	6771	6815	7035
Linn	31895	31612	30981	30622	29881	29409	28745	28410	28424	28743	28804	28960	29454	29960	30566	31391	32196	33286
Louisa	2925	2987	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115
Lucas	1620	1632	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832
Lyon	2190	2233	2279	2318	2293	2262	2256	2264	2276	2288	2318	2286	2239	2206	2227	2316	2379	2415
Madison	2919	2893	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972
Mahaska	3326	3400	3305	3370	3321	3367	3286	3294	3273	3241	3223	3259	3262	3323	3304	3280	3235	3314
Marion	5809	5773	5682	5608	5442	5462	5468	5424	5332	5387	5313	5266	5320	5382	5384	5385	5525	5634
Marshall	6519	6529	6575	6482	6373	6414	6721	6816	6751	6775	6947	6936	6959	7124	7358	7473	7655	8043
Mills	2749	2703	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587
Mitchell	1889	1917	1883	1894	1881	1839	1819	1810	1807	1814	1836	1808	1780	1816	1831	1896	1987	2142
Monona	1712	1782	1818	1795	1826	1826	1858	1832	1825	1831	1841	1844	1879	1914	1930	2007	2095	2182
Monroe	1369	1328	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567
Montgomery	2155	2153	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309
Muscatine	7499	7661	7600	7834	7740	7865	7842	7689	7602	7449	7554	7585	7536	7508	7702	7775	7815	7937
O'Brien	2943	3023	3060	3013	2971	2969	2930	2926	2835	2833	2804	2799	2804	2774	2807	2848	2910	2994
Osceola	1067	1053	1046	1038	995	1019	984	955	935	938	959	943	949	971	993	1012	1018	1153
Page	3120	3215	3014	3076	3090	3098	3161	3201	3208	3132	3156	3130	3169	3196	3162	3188	3243	3313
Palo Alto	1999	2012	2044	2064	2100	2079	2076	2048	2035	2070	2106	2001	2038	2087	2150	2220	2326	2465
Plymouth	4521	4549	4582	4454	4431	4364	4322	4182	4081	4067	4047	3932	3894	3888	3865	3993	4057	4265
Pocahontas	1383	1390	1402	1381	1350	1670	1665	1798	1668	1636	1663	1683	1722	1802	1844	1914	1951	2045
Polk	59685	58705	58132	57034	55975	55288	53999	53727	52029	51474	51340	51072	51299	51062	51197	51834	53303	54885
Pottawattamie	16797	16950	16456	16100	16095	16065	16113	15931	15667	15638	15880	15914	15981	16054	16364	16551	17062	17599
Poweshiek	3192	3247	3265	3188	3151	3090	3102	3011	3019	3088	3155	3098	3102	3153	3203	3318	3432	3517
Ringgold	968	1002	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141
Sac	2294	2336	2341	2394	2378	2402	2401	2478	2426	2379	2423	2371	2368	2381	2447	2518	2552	2654
Scott	27800	28225	28126	28117	29535	28508	28422	27841	27703	27634	28112	28386	29035	30002	30567	30783	31522	32336
Shelby	2578	2577	2770	2719	2704	2598	2486	2425	2349	2320	2328	2371	2451	2572	2621	2650	2778	2964
Sioux	4362	4426	4398	4374	4358	4281	3888	4018	3895	3868	3816	3730	3737	3684	3750	3741	3835	3965
Story	11048	11005	11084	11023	10910	11097	10506	10166	9973	9828	9758	9513	9543	9502	9577	9638	9888	10252
Tama	2994	2991	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988
Taylor	1325	1335	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597
Union	2217	2231	2216	2258	2350	2321	2392	2375	2452	2447	2463	2483	2494	2568	2574	2568	2598	2674
Van Buren	1475	1453	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686
Wapello	6486	6519	6510	6575	6614	6683	6667	6544	6537	6562	6795	6909	7121	7306	7313	7403	7556	7856
Warren	7664	7639	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467
Washington	3575	3533	3465	3580	3501	3455	3495	3455	3373	3392	3403	3411	3398	3447	3470	3548	3579	3702
Wayne	1198	1256	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414
Webster	6034	6209	6042	6057	6099	6052	6069	6130	6093	6164	6138	6283	6278	6359	6457	6607	7029	7358
Winnebago	2829	2900	2990	2966	2920	2892	2860	2901	2844	2766	2795	2771	2759	2744	2758	2751	2829	2975
Winneshiek	2861	2877	2863	2868	2870	2780	2725	2663	2605	2647	2598	2590	2573	2540	2572	2704	2771	2882
Woodbury	18692	18562	18226	18081	17880	18030	18203	17661	17618	17422	17485	17169	16984	16953	17146	17062	17401	17994
Worth	1180	1175	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429
Wright	3100	3128	3137	3184	2876	2813	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212
State of Iowa	497899	496386	494539	492520	489670	486235	476605	478982	483444	495821	516174	533756	503545	488673	479282	476114	482171	496297

Table 2. Non-Public School Enrollment in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	171	177	188	191	175	194	197	187	183	199	192	207	219	214	217	215	190	185
Appanoose	65	64	65	68	66	57	54	89	88	81	111	110	95	106	119	113	113	108
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	115	123	130	128	128	132	123	161	152	143	139	102	131	144	149	156	151	164
Black Hawk	3160	3252	3363	3272	3674	3727	3731	3832	3715	3806	3809	3754	3725	3827	3858	3776	3726	3781
Boone	249	273	270	251	245	242	252	277	306	331	337	329	329	338	317	285	264	242
Bremer	224	226	240	244	252	247	263	375	376	393	399	391	301	322	336	405	395	397
Buchanan	259	258	273	292	267	245	267	252	260	311	315	340	375	390	422	446	448	430
Buena Vista	458	462	448	444	440	346	327	335	295	325	353	356	348	367	365	364	358	372
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	1549	1629	1743	1778	1814	1807	1848	1862	1884	1877	1959	1989	2013	2075	2138	2226	2331	2441
Cass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
Cerro Gordo	725	741	730	769	779	823	793	773	813	733	667	822	732	757	750	758	671	674
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chickasaw	171	170	155	159	139	156	165	166	177	190	175	187	195	206	222	220	238	240
Clarke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clay	165	152	132	130	127	144	153	152	155	173	194	185	178	189	193	195	203	214
Clayton	156	154	157	147	154	155	162	160	164	167	173	168	158	179	183	184	193	207
Clinton	515	509	501	519	521	534	545	570	569	643	737	828	900	939	940	950	906	965
Crawford	282	286	316	354	335	326	310	354	351	352	376	363	361	403	445	417	422	433
Dallas	224	232	209	190	171	169	177	277	294	306	311	218	200	236	245	236	212	218
Davis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decatur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware	317	305	311	323	338	337	341	322	333	312	298	303	285	280	255	260	277	279
Des Moines	475	473	462	459	463	415	396	403	368	464	491	511	446	451	407	443	494	482
Dickinson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubuque	5632	5737	5882	5969	6024	6172	6357	6148	6572	6747	6649	6895	7244	7506	7807	8046	8472	8762
Emmet	48	26	28	33	36	37	45	48	22	18	20	28	23	0	0	0	0	0
Fayette	301	297	304	304	289	297	292	306	335	352	339	340	325	344	330	331	335	342
Floyd	188	198	186	180	185	200	210	244	262	283	237	256	252	250	267	279	280	265
Franklin	50	50	50	42	47	47	44	59	52	62	59	32	34	39	36	41	27	28
Fremont	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grundy	44	49	59	59	42	55	61	74	74	82	78	70	72	69	70	67	58	49
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	124	127	120	104	102	113	83	84	97	105	92	103	105	93	96	100	105	105
Hancock	56	52	57	55	57	62	70	75	74	60	56	61	62	69	70	66	72	67
Hardin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	15
Harrison	57	61	52	49	49	54	45	56	65	65	68	78	78	73	65	64	65	59
Henry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Howard	164	160	142	142	143	174	214	263	262	279	301	298	295	287	289	291	306	313
Humboldt	207	208	215	214	204	184	181	170	132	134	147	149	147	152	142	120	121	127
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	207	215	215	216	197	199	196	222	218	228	191	219	224	236	247	238	243	240
Jackson	534	557	564	567	533	540	549	559	595	593	605	608	631	642	662	634	660	676
Jasper	201	200	203	193	181	179	200	212	221	239	220	226	230	234	218	213	205	210

Table 2. Non-Public School Enrollment in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	265	310	314	366	651	415	418	0	575	493	353	293	218	262	246	104	0	0
Johnson	819	802	806	808	764	756	720	766	633	609	583	571	584	586	601	604	586	610
Jones	221	211	192	216	223	214	218	242	225	244	267	282	264	268	274	268	280	286
Keokuk	0	0	0	0	0	0	0	0	0	15	0	0	0	0	95	102	102	111
Kossuth	814	824	840	857	846	904	956	934	967	1065	1287	1130	1180	1218	1294	1328	1370	1425
Lee	970	985	978	989	986	966	966	1053	1079	1148	1143	1195	1234	1350	1383	1382	1413	1390
Linn	2986	2942	2903	2896	3013	2977	2953	3089	2973	3084	3080	3130	3162	3277	3286	3328	3359	3389
Louisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	132	144	130	129	132	145	126	125	155	158	163	174	189	186	188	187	183	175
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahaska	158	158	164	179	195	202	208	220	211	221	227	213	197	190	192	203	189	183
Marion	755	793	814	845	847	847	831	838	826	837	812	795	785	784	778	748	736	729
Marshall	354	362	349	366	343	359	377	375	383	364	347	350	361	383	410	418	396	301
Mills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	157	161	172	176	171	177	190	195	201	199	232	247	243	240	252	250	240	255
Monona	58	69	70	61	75	76	72	79	68	88	81	88	88	88	90	93	91	91
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	180	213	219	198	216	197	230	223	223	252	270	263	256	272	269	261	279	268
O'Brien	396	418	437	460	485	487	508	548	573	596	593	560	547	516	547	559	550	565
Osceola	37	40	37	45	49	53	55	57	73	94	101	110	112	103	114	114	116	122
Page	95	99	94	97	81	89	87	87	91	95	99	109	93	107	111	100	94	76
Palo Alto	198	222	236	235	255	259	261	279	276	276	268	263	262	275	272	259	259	268
Plymouth	999	1030	1019	1013	994	992	982	1001	1014	1004	1021	1051	1046	1058	1082	1096	1097	1139
Pocahontas	102	110	124	115	103	194	189	181	175	131	137	135	150	148	150	154	177	186
Polk	4912	5012	4922	4731	4614	4588	4946	5197	5091	5302	5278	5617	5646	5714	5689	5586	5480	5529
Pottawattamie	1004	1045	995	976	949	939	913	991	1023	1038	1081	1048	903	922	944	902	936	926
Poweshiek	17	14	11	10	11	13	22	35	21	17	13	9	8	8	0	0	0	0
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	0	0	0	0	0	0	54	61	61	55	55	68	78	79	63	67
Scott	2987	2982	2913	2869	2786	2736	2691	2880	2999	2712	2683	2674	2805	2728	2796	2901	2978	2908
Shelby	310	317	308	308	327	339	339	319	323	342	350	335	335	347	374	399	408	404
Sioux	2717	2867	2871	2905	2946	2853	2892	2809	2869	2840	2686	2663	2634	2608	2354	2380	2423	2459
Story	182	173	163	173	183	168	167	182	197	186	186	173	184	185	189	190	187	191
Tama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	112	104	108	116	118	114	123	128	130	127	146	130	94	96	105	119	125	122
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	148	137	138	136	142	129	120	136	142	150	143	150	102	107	138	137	137	106
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	274	289	292	292	264	279	272	299	307	315	284	314	312	295	296	289	280	286
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	1104	1087	1145	1200	1225	1184	1166	1238	1260	1478	1308	1318	1375	1385	1435	1436	1491	1508
Winnebago	19	17	20	19	22	19	17	16	13	13	11	14	12	12	12	9	10	11
Winneshiek	424	433	441	465	486	517	529	605	558	548	543	560	561	537	537	532	533	525
Woodbury	2437	2519	2568	2656	2662	2686	2678	2730	2786	2833	2873	2909	2848	2928	2898	2839	2822	2792
Worth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
State of Iowa	43436	44312	44563	44752	45341	45242	45873	46924	47959	48988	48808	49454	49558	50668	51339	51495	51956	52504

Table 3. Total (Public and Non-Public) School Enrollment in Iowa's Counties, 1980-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1253	1259	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364
Adams	733	736	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900
Allamakee	2944	2944	2955	3023	2951	2968	2959	2931	2953	2943	2990	3016	3101	3105	3199	3300	3288	3568
Appanoose	2492	2542	2557	2528	2527	2581	2572	2591	2573	2623	2686	2642	2568	2648	2714	2749	2825	2906
Audubon	1146	1162	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499
Benton	4388	4428	4302	4245	4249	4494	4445	4486	4449	4334	4372	4380	4437	4474	4588	4690	4886	5087
Black Hawk	21477	21535	21808	21790	22123	21870	22356	22623	22425	22376	22628	22735	23264	23921	24580	24946	24974	25650
Boone	4391	4491	4482	4374	4381	4341	4295	4269	4240	4251	4211	4257	4277	4250	4273	4273	4393	4500
Bremer	5533	5903	6052	6059	6064	6021	5962	5969	6051	6032	6117	6244	6322	6451	6490	6678	6850	7094
Buchanan	3561	3641	3695	3723	3677	3691	3649	3676	3613	3616	3585	3520	3648	3747	3845	3963	4064	4134
Buena Vista	4350	4305	4345	4356	4338	3778	3772	3647	3425	3420	3392	3547	3424	3444	3426	3433	3498	3602
Butler	2124	2170	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291
Calhoun	2571	2612	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913
Carroll	4920	5035	4982	5033	5127	5102	5027	4931	4810	4740	4647	4637	4666	4749	4848	5025	5139	5393
Cass	3110	3180	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566
Cedar	3670	3672	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3859	3992
Cerro Gordo	8012	8154	8167	8177	8136	8144	8142	8093	8095	8077	8103	8123	8004	8051	7970	7970	8164	8395
Cherokee	2318	2369	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216
Chickasaw	2797	2559	2547	2514	2491	2502	2504	2533	2536	2578	2597	2664	2761	2819	2906	2991	3101	3301
Clarke	1782	1793	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694
Clay	3135	3138	3178	3187	3198	3602	3603	3571	3547	3539	3443	3430	3527	3538	3552	3534	3605	3727
Clayton	3867	3878	3900	3907	3894	3892	3931	3940	3949	3983	3962	3928	4034	4091	4133	4190	4260	4342
Clinton	9416	9460	9563	9705	9797	9899	9963	9895	9928	10017	10122	10454	10716	10889	11205	11585	11869	12227
Crawford	2960	2907	2976	3105	3263	3282	3520	3597	3630	3780	3874	3940	4001	4025	4081	4146	4174	4221
Dallas	8245	7989	7798	7440	7231	7056	6953	6904	6711	6656	6666	6476	6449	6370	6358	6383	6570	6674
Davis	1251	1310	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608
Decatur	1420	1385	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687
Delaware	4110	4117	4122	4060	4092	4016	3949	3903	3786	3776	3725	3703	3679	3714	3935	3859	3956	4069
Des Moines	7779	7955	7965	8074	8106	8060	8111	8165	8118	8229	8311	8324	8208	8240	8212	8474	8747	9089
Dickinson	2844	2895	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938
Dubuque	18023	18257	18363	18336	18404	18235	18250	18017	18591	18979	19463	20000	19652	20149	20748	21416	22327	23406
Emmet	2084	2109	2252	2281	2296	2284	2316	2326	2346	2350	2328	2328	2392	2655	2516	2557	2657	2677
Fayette	4686	4718	4757	4818	4759	4778	4732	4755	4731	4764	4774	4849	5049	5197	5494	5587	5669	6007
Floyd	3282	3334	3298	3365	3356	3424	3417	3418	3404	3494	3475	3509	3602	3760	3832	3998	4140	4269
Franklin	2049	2215	2096	1947	1909	2015	1985	2044	1908	1824	1792	1840	1840	1858	1923	1906	1923	1973
Fremont	1612	1650	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769
Greene	2024	2026	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329
Grundy	3018	3068	2811	2806	2769	2795	2322	2297	2341	2396	2419	2488	2560	2640	2692	2783	2883	2904
Guthrie	2325	2326	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885
Hamilton	3114	3156	3192	3199	3152	3187	3171	3183	3281	3161	3173	3158	3212	3269	3331	3418	3511	3644
Hancock	2159	2181	2127	2141	2377	2394	2467	2468	2426	2462	2446	2442	2466	2434	2494	2509	2609	2650
Hardin	3541	3656	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4546	4801
Harrison	3438	3406	3401	3376	3059	3117	3077	3072	2991	3114	3142	3119	3183	3281	3297	3373	3439	3535
Henry	3844	3773	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764
Howard	2322	2322	2388	2428	2334	2342	2357	2382	2325	2334	2346	2378	2398	2388	2512	2575	2642	2792
Humboldt	2132	2131	2149	2150	2144	2100	2129	2082	2031	2021	2074	2046	2114	2143	2169	2244	2355	2466
Ida	1546	1553	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513
Iowa	2992	2963	2931	3301	3188	3172	3109	3050	2853	2815	2795	2858	2922	2887	2966	3065	3196	3356
Jackson	4124	4216	4219	4247	4265	4265	4224	4180	4183	4248	4358	4338	4440	4640	4865	4839	4981	5131
Jasper	6530	6618	6568	6511	6673	6590	6639	6556	6559	6558	6672	6654	6693	6690	6816	6803	7102	7244

Table 3. Total (Public and Non-Public) School Enrollment in Iowa's Counties, 1980-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2410	2444	2451	2396	2662	2429	2520	1977	2551	2513	2370	2329	2338	2508	2528	2453	2467	2596
Johnson	13811	13589	13501	12793	12675	12410	12108	11836	11586	11645	11136	10929	10882	10726	10784	10961	10967	11206
Jones	3703	3724	3715	3778	3746	3551	3429	3456	3529	3523	3582	3649	3734	3785	3820	3905	3982	4236
Keokuk	2446	2471	2488	2445	2440	2399	2437	2447	2436	2425	2429	2395	2451	2450	2497	2464	2582	2729
Kossuth	3508	3572	3552	3564	3573	3589	3635	3636	3616	3626	3774	3713	3898	3972	4101	4211	4356	4608
Lee	7194	7326	7440	7525	7551	7506	7499	7433	7366	7471	7678	7745	7766	7833	7990	8153	8228	8425
Linn	34881	34554	33884	33518	32894	32386	31698	31499	31397	31827	31884	32090	32616	33237	33852	34719	35555	36675
Louisa	2925	2987	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115
Lucas	1620	1632	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832
Lyon	2322	2377	2409	2447	2425	2407	2382	2389	2432	2446	2481	2460	2428	2392	2415	2503	2562	2590
Madison	2919	2893	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972
Mahaska	3484	3558	3469	3549	3516	3569	3494	3514	3484	3462	3450	3472	3459	3513	3496	3483	3424	3497
Marion	6564	6566	6496	6453	6289	6309	6299	6262	6158	6224	6125	6061	6105	6166	6162	6133	6261	6363
Marshall	6873	6891	6924	6848	6716	6773	7098	7191	7134	7139	7294	7286	7320	7507	7768	7891	8051	8344
Mills	2749	2703	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587
Mitchell	2046	2078	2055	2070	2052	2016	2009	2005	2008	2013	2068	2055	2023	2056	2083	2146	2227	2397
Monona	1770	1851	1888	1856	1901	1902	1930	1911	1893	1919	1922	1932	1967	2002	2020	2100	2186	2273
Monroe	1369	1328	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567
Montgomery	2155	2153	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309
Muscatine	7679	7874	7819	8032	7956	8062	8072	7912	7825	7701	7824	7848	7792	7780	7971	8036	8094	8205
O'Brien	3339	3441	3497	3473	3456	3456	3438	3474	3408	3429	3397	3359	3351	3290	3354	3407	3460	3559
Osceola	1104	1093	1083	1083	1044	1072	1039	1012	1008	1032	1060	1053	1061	1074	1107	1126	1134	1275
Page	3215	3314	3108	3173	3171	3187	3248	3288	3299	3227	3255	3239	3262	3303	3273	3288	3337	3389
Palo Alto	2197	2234	2280	2299	2355	2338	2337	2327	2311	2346	2374	2264	2300	2362	2422	2479	2585	2733
Plymouth	5520	5579	5601	5467	5425	5356	5304	5183	5095	5071	5068	4983	4940	4946	4947	5089	5154	5404
Pocahontas	1485	1500	1526	1496	1453	1864	1854	1979	1843	1767	1800	1818	1872	1950	1994	2068	2128	2231
Polk	64597	63717	63054	61765	60589	59876	58945	58924	57120	56776	56618	56689	56945	56776	56886	57420	58783	60414
Pottawattamie	17801	17995	17451	17076	17044	17004	17026	16922	16690	16676	16961	16962	16884	16976	17308	17453	17998	18525
Poweshiek	3209	3261	3276	3198	3162	3103	3124	3046	3040	3105	3168	3107	3110	3161	3203	3318	3432	3517
Ringgold	968	1002	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141
Sac	2294	2336	2341	2394	2378	2402	2401	2478	2480	2440	2484	2426	2423	2449	2525	2597	2615	2721
Scott	30787	31207	31039	30986	32321	31244	31113	30721	30702	30346	30795	31060	31840	32730	33363	33684	34500	35244
Shelby	2888	2894	3078	3027	3031	2937	2825	2744	2672	2662	2678	2706	2786	2919	2995	3049	3186	3368
Sioux	7079	7293	7269	7279	7304	7134	6780	6827	6764	6708	6502	6393	6371	6292	6104	6121	6258	6424
Story	11230	11178	11247	11196	11093	11265	10673	10348	10170	10014	9944	9686	9727	9687	9766	9828	10075	10443
Tama	2994	2991	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988
Taylor	1325	1335	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597
Union	2329	2335	2324	2374	2468	2435	2515	2503	2582	2574	2609	2613	2588	2664	2679	2687	2723	2796
Van Buren	1475	1453	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686
Wapello	6634	6656	6648	6711	6756	6812	6787	6680	6679	6712	6938	7059	7223	7413	7451	7540	7693	7962
Warren	7664	7639	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467
Washington	3849	3822	3757	3872	3765	3734	3767	3754	3680	3707	3687	3725	3710	3742	3766	3837	3859	3988
Wayne	1198	1256	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414
Webster	7138	7296	7187	7257	7324	7236	7235	7368	7353	7642	7446	7601	7653	7744	7892	8043	8520	8866
Winnebago	2848	2917	3010	2985	2942	2911	2877	2917	2857	2779	2806	2785	2771	2756	2770	2760	2839	2986
Winneshiek	3285	3310	3304	3333	3356	3297	3254	3268	3163	3195	3141	3150	3134	3077	3109	3236	3304	3407
Woodbury	21129	21081	20794	20737	20542	20716	20881	20391	20404	20255	20358	20078	19832	19881	20044	19901	20223	20786
Worth	1180	1175	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429
Wright	3100	3128	3137	3184	2876	2813	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212
State of Iowa		542211		539291		534912		529095		525102		528736		539341		555040		586260
	539733		540949		537861		532108		524564		527790		533002		547160		568130	

The greatest decrease occurred in Dubuque (-1,017); Black Hawk also reported a decline greater than 500.

Total School Enrollment

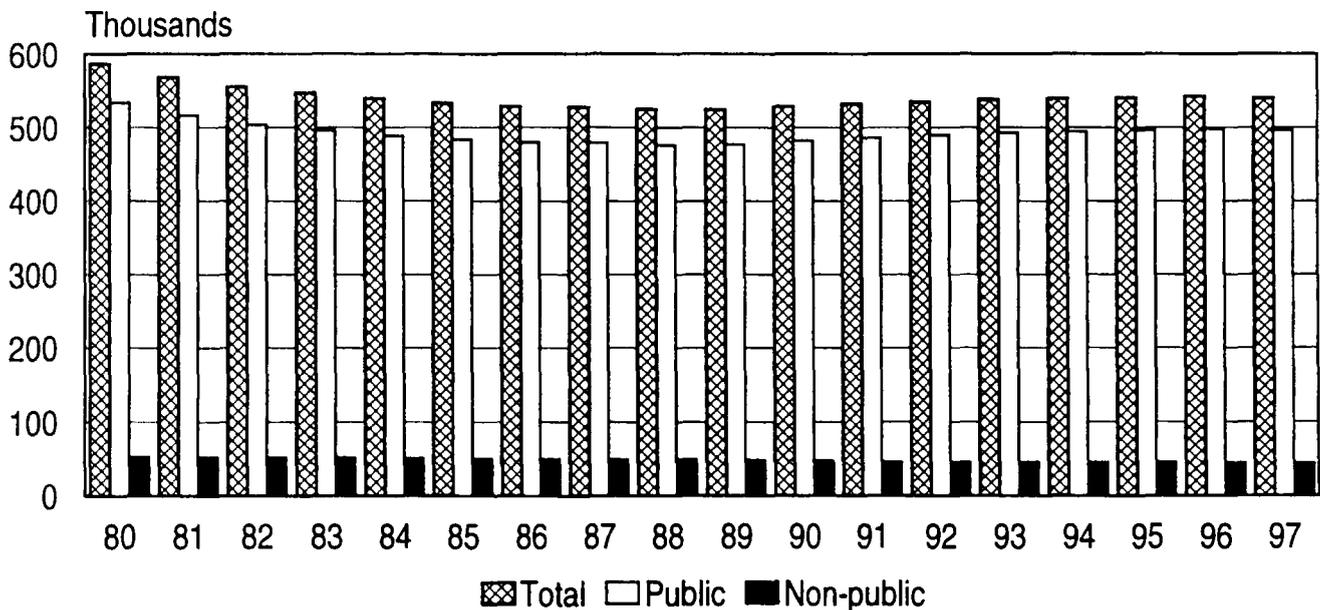
When the public and non-public figures are added, total enrollment was nearly 12,000 students higher in 1997 than in 1987 (Table 3). Increases in total student numbers occurred from 1989 to 1996 but decreases took place earlier in the 1980s and again from 1996 to 1997.

In 1997, nine counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury) each had more than 10,000 students; together, they had 43.3 percent of the state's total enrollees. Eighteen counties had fewer than 2,000 students, although only Adams and Ringgold were below 1,000.

The total number of students increased in 46 counties when 1987 and 1997 were compared. Five of these (Dallas, Johnson, Linn, Polk, Story) reported at least 1,000 more students at the end of the period than at the beginning. Declines among total students were common; 35 of the 53 counties with fewer students in 1997 than in 1987 dropped by at least 100. Black Hawk and Dubuque were down by at least 1,000.

Note: These data are from the Basic Educational Data Survey (BEDS) for September of each year. Additional information is available from the Bureau of Planning, Research, and Evaluation in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

Figure 1. Public and non-public school enrollment, 1980-1997.



Projections of Public School Enrollment in Iowa's Counties: 1998-1999 – 2002-2003

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University
Xiaoping Wang, Iowa Department of Education

The Iowa Department of Education projects K-12 enrollment in Iowa's public schools five years into the future. This projection is based on the certified enrollment of previous years plus information on births. Enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Some school districts may merge in the future. That means the administrative headquarters, the location of which determines where students are counted, may change. Such changes will affect projections, thus suggesting that caution be taken in interpreting these numbers.

It is projected that the number of students in Iowa will decrease slightly from the 1997-1998 school year to that for 1998-1999 (Table 1). Then the numbers may continue to decline to 2002-2003. The change from 1997-1998 to 2002-2003 would be a decrease of about 15,600 students or 3.1 percent.

Fifteen counties are projected to have more students at the end of the period than in 1997-1998, with Polk's gain of more than 1,700 slightly larger than the 1,400 increase in Linn. Other gains are predicted to be rather small, with 8 under 100 and the remaining 5 varying from about 120 to 820. These increases would be less than 2 percent in 8 counties, although they could be 5 percent or more in Dallas, Jones, and Louisa. The greatest increase—10.1 percent—is projected for Dallas County.

Among the 84 counties that may have fewer students in 2002-2003 than in 1997-1998, declines greater than 500 could occur in Black Hawk, Cerro Gordo, Cherokee, Clinton, Des Moines, Pottawattamie, Scott, Story, Wapello, and Webster. In 19 others, decreases are predicted to be less than 100. Percentage declines (-0.5% to -20.7%) are projected to have a much greater range than the percentage gains (0.2% to 10.1%). Fifty-five of the 84 counties predicted to have declines in the numbers of students could have drops of at least 5 percent. Sixteen of these 55 could decrease by at least 10 percent (Figure 1), although only Adams, Cass, Cherokee, and Ida may have declines of 15 percent or more. The current projection suggests that the largest percentage decline (-20.7%) could occur in Cherokee County.

Caution is urged in examining and interpreting these figures. Changes of various types could occur that would alter these figures. Such changes would be less likely to affect projections for the state as a whole than for individual counties, where specific factors related to projections are more difficult to predict.

Note: Certified enrollment figures are collected at a different point in the school year than the Basic Educational Data Survey (BEDS), which is conducted in September of each year. Thus, the certified numbers reported for 1996-1997 and 1997-1998 differ slightly from the BEDS counts for that year reported in the previous section in this volume. Additional information is available from the Bureau of Planning, Research, and Evaluation in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

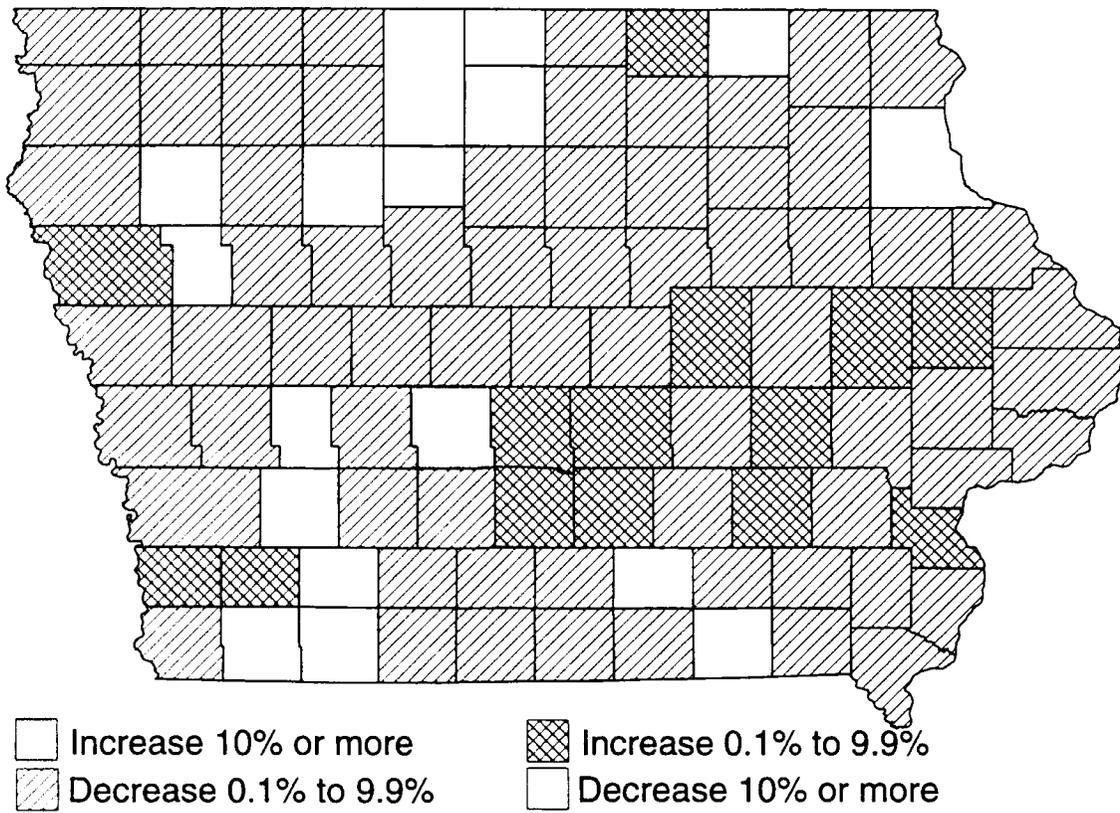
Table 1. Certified Enrollment (1996-1997, 1997-1998) and Projected Enrollment (1998-1999 - 2002-2003) of K-12 Public School Students in Iowa's Counties.

County	Certified Enrollment		Projected Enrollment				
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
Adair	1292	1264	1252	1237	1227	1220	1196
Adams	779	770	740	718	704	675	648
Allamakee	2875	2889	2898	2852	2790	2753	2699
Appanoose	2522	2444	2463	2448	2418	2419	2413
Audubon	1201	1205	1191	1134	1123	1110	1063
Benton	4542	4553	4522	4466	4441	4431	4351
Black Hawk	18439	18425	18281	18063	17843	17565	17329
Boone	4408	4388	4341	4300	4243	4215	4203
Bremer	5664	5354	5290	5252	5165	5106	5036
Buchanan	3374	3331	3334	3315	3245	3165	3107
Buena Vista	3896	3961	3953	3923	3835	3778	3717
Butler	2203	2175	2156	2108	2066	2033	1979
Calhoun	2657	2588	2551	2497	2467	2413	2388
Carroll	3472	3482	3470	3420	3385	3344	3260
Cass	3238	3155	3085	3001	2884	2770	2681
Cedar	3710	3746	3757	3751	3692	3671	3652
Cerro Gordo	7445	7330	7268	7130	6965	6757	6618
Cherokee	2412	2431	2353	2249	2130	2046	1928
Chickasaw	2441	2669	2632	2577	2539	2476	2426
Clarke	1789	1784	1789	1735	1688	1639	1608
Clay	3079	3057	3035	2971	2916	2842	2772
Clayton	3742	3735	3664	3609	3516	3441	3341
Clinton	9193	9114	9095	8999	8853	8742	8597
Crawford	2730	2806	2762	2741	2707	2643	2597
Dallas	7923	8194	8355	8464	8628	8813	9018
Davis	1385	1323	1302	1257	1234	1204	1181
Decatur	1400	1431	1428	1391	1381	1386	1368
Delaware	3816	3788	3757	3692	3627	3505	3416
Des Moines	7576	7508	7462	7295	7163	7037	7003
Dickinson	2966	2948	2958	2935	2901	2900	2871
Dubuque	12835	12744	12624	12480	12375	12332	12247
Emmet	2159	2158	2142	2105	2032	1980	1959
Fayette	4506	4527	4501	4469	4423	4377	4295
Floyd	3149	3119	3130	3100	3058	3001	2989
Franklin	2104	2067	2078	2049	2051	2052	2030
Fremont	1689	1684	1678	1651	1622	1606	1569
Greene	2033	2078	2087	2103	2102	2096	2066
Grundy	3132	3075	3058	3050	3062	3045	3023
Guthrie	2391	2389	2418	2401	2392	2357	2341
Hamilton	3136	3111	3125	3089	3026	2966	2917
Hancock	2153	2126	2100	2037	1963	1903	1835
Hardin	3675	3583	3538	3463	3368	3272	3248
Harrison	3431	3418	3428	3399	3357	3340	3304
Henry	3834	3799	3795	3763	3722	3717	3676
Howard	2208	2173	2122	2053	1994	1943	1904
Humboldt	1958	1960	1941	1894	1853	1811	1761
Ida	1572	1574	1531	1465	1407	1363	1302
Iowa	2909	2928	2936	2941	2929	2935	2943
Jackson	3607	3531	3490	3432	3380	3325	3242
Jasper	6455	6422	6468	6446	6490	6481	6451

Table 1. Certified Enrollment (1996-1997, 1997-1998) and Projected Enrollment (1998-1999 - 2002-2003) of K-12 Public School Students in Iowa's Counties (continued).

County	Certified Enrollment		Projected Enrollment				
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
Jefferson	2199	2165	2172	2156	2113	2089	2061
Johnson	12994	13190	13286	13261	13216	13117	12990
Jones	3720	3677	3725	3752	3822	3855	3869
Keokuk	2485	2497	2501	2513	2484	2497	2508
Kossuth	2825	2791	2761	2739	2669	2591	2510
Lee	6511	6457	6440	6368	6305	6223	6139
Linn	31813	32041	32466	32709	33028	33312	33410
Louisa	3073	3073	3055	3093	3139	3192	3227
Lucas	1670	1646	1626	1595	1606	1617	1628
Lyon	2296	2236	2221	2184	2132	2113	2087
Madison	2940	2969	2955	2938	2918	2926	2925
Mahaska	3567	3544	3486	3435	3417	3371	3314
Marion	5855	5930	5932	5914	5970	5923	5943
Marshall	6724	6749	6708	6637	6612	6587	6593
Mills	2727	2788	2789	2775	2812	2873	2908
Mitchell	1923	1892	1887	1911	1919	1914	1920
Monona	1860	1856	1878	1860	1847	1816	1793
Monroe	1369	1394	1373	1350	1320	1289	1247
Montgomery	2215	2237	2243	2268	2295	2295	2292
Muscatine	7848	7749	7736	7663	7579	7440	7359
O'Brien	3146	3039	3041	3045	3017	3006	2994
Osceola	1023	1020	1006	1009	998	989	988
Page	3046	2963	2885	2814	2728	2600	2596
Palo Alto	1999	1985	1969	1956	1943	1875	1815
Plymouth	4546	4509	4528	4487	4437	4451	4433
Pocahontas	1402	1409	1394	1365	1320	1276	1230
Polk	59566	60225	61122	61504	61429	61686	61954
Pottawattamie	16887	16958	16996	16809	16522	16267	16004
Poweshiek	3226	3222	3229	3204	3182	3146	3137
Ringgold	1190	1163	1163	1155	1128	1095	1090
Sac	2405	2373	2357	2320	2266	2235	2227
Scott	28383	28482	28514	28288	27963	27751	27505
Shelby	2637	2583	2604	2594	2563	2536	2474
Sioux	4353	4270	4283	4263	4192	4131	4101
Story	10998	11005	10984	10803	10546	10428	10337
Tama	3074	3071	3084	3084	3073	3095	3083
Taylor	1445	1458	1416	1387	1334	1297	1271
Union	2240	2257	2244	2184	2095	2055	2037
Van Buren	1506	1542	1529	1514	1478	1439	1407
Wapello	6592	6551	6450	6354	6133	6015	5940
Warren	7732	7753	7826	7847	7875	7835	7816
Washington	3678	3691	3668	3634	3639	3644	3674
Wayne	1271	1254	1238	1221	1214	1198	1185
Webster	6326	6073	6005	5885	5756	5652	5507
Winnebago	2944	2910	2853	2786	2728	2669	2596
Winneshiek	2851	2841	2789	2755	2722	2632	2589
Woodbury	18946	18969	18936	19027	19092	19183	19220
Worth	1211	1214	1212	1182	1164	1134	1106
Wright	3184	3151	3132	3083	3004	2951	2914
State of Iowa	505526	505130	505031	501600	497126	493312	489521

Figure 1. Projected percentage change in public school enrollment, 1997-1998 to 2002-2003.



Ethnicity of K-12 Students in Iowa's Counties:

1978, 1982, 1987, and 1992-1997

Sandra Charvat Burke, Iowa State University
Willis Goudy, Iowa State University
James Gould, Iowa Department of Education

The Iowa Department of Education gathers information about the race and Hispanic Origin of students enrolled in public and private primary and secondary schools each year in September. Information on enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Additional caution is merited because some districts have merged between 1978 and 1997, 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. As yet another caution, data for 1982 and 1987 include some pre-kindergarten students.

The Department of Education lists a student in one of five categories: American Indian, Asian American, black, Hispanic, or white. In this report, the numbers of American Indians, Asian Americans, blacks, and Hispanics are summed at times and referred to as minority enrollees.

Total and Majority K-12 School Enrollees

Students in Iowa's schools numbered 539,733 in September of 1997, about 2 percent higher than 10 years earlier. School enrollment increased each year between 1989 and 1996 after declining from 1978 to 1989. While the 1997 enrollment was higher than 10 years earlier, it was 2,500 less than that of 1996.

Students listed as white totaled 497,311 in 1997 (Table 1). In annual changes from 1987 to 1997, white enrollees increased four times and decreased six times. Whites decreased by nearly 7,000 (-1.4%) in that period. They constituted 92.1 percent of school enrollees in 1997, which was a decrease from the 95.2 percent in 1987.

There were fewer than 1,000 white students in Adams and Ringgold counties in 1997. Polk's 54,672 was the highest, with eight others exceeding 10,000. Sixty counties had fewer white enrollees in 1997 than in 1987; declines of 1,000 or more occurred in Black Hawk, Crawford, Dubuque, Marshall, Scott, and Woodbury. Gains of at least 1,000 occurred in Dallas, Johnson, Linn, and Polk. Changes among white enrollees ranged from losses exceeding 20.0 percent (Butler, Cherokee, Crawford) to a gain greater than 20.0 percent (Grundy). Caution is urged in examining change; for example, mergers between districts between 1987 and 1997 could have caused the administrative headquarters to change from one county to another for some students, thus increasing the numbers in one and decreasing them in another.

Minority K-12 School Enrollees

More than 42,400 minority students were enrolled in Iowa's schools in 1997 (Table 1). Unlike white students, minority students increased each year since 1987. From 1992 to 1993, 1994 to 1995, and 1995 to 1996, increases among minority students were at least 2,000. In the 1987-1997 period, minority students increased more than 17,000 (67.3%), in strong contrast to the decrease experienced among white students in those years. Minorities constituted 7.9 percent of school enrollees in 1997, up from 4.8 percent in 1987 (Table 2, Figure 1).

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1982, 1987, 1992-1997.

County	American Indian K-12 Students									Asian American K-12 Students									Black K-12 Students								
	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978
Adair	0	0	0	2	2	4	0	0	1	9	7	8	10	10	7	7	8	2	0	0	0	0	0	0	2	0	0
Adams	0	0	0	0	0	0	0	0	0	2	1	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Allamakee	0	1	1	0	2	1	3	2	14	20	19	22	20	22	18	6	3	10	6	7	7	7	9	2	6	2	2
Appanoose	6	7	3	1	1	0	4	0	1	12	15	9	8	6	11	13	16	16	37	31	24	18	19	21	17	21	36
Audubon	6	3	4	5	2	2	0	0	0	5	3	8	8	6	4	0	10	2	2	4	2	2	3	1	1	0	0
Benton	12	5	0	4	4	5	7	6	4	18	19	18	15	18	12	12	15	11	22	18	14	6	8	14	7	4	5
Black Hawk	57	57	59	51	56	53	47	35	44	331	341	314	343	336	372	298	275	177	3153	3031	2985	2934	2817	2581	2636	2623	2481
Boone	7	11	7	7	6	6	5	3	3	30	40	40	32	32	35	34	33	18	14	19	14	12	9	9	14	7	3
Bremer	4	6	7	13	8	7	3	7	9	41	39	33	37	32	30	28	31	32	21	24	18	17	17	20	8	10	9
Buchanan	1	0	3	2	2	1	0	1	2	22	19	23	28	19	16	12	15	12	20	10	10	8	9	8	8	1	2
Buena Vista	0	2	1	3	5	3	0	0	6	258	221	211	199	197	190	60	39	17	43	32	28	17	25	18	8	8	4
Butler	0	3	2	3	4	2	2	0	1	18	16	14	13	11	12	7	6	2	3	2	2	9	4	5	1	3	0
Calhoun	7	5	3	4	4	3	1	1	6	10	12	12	13	14	10	8	9	13	6	4	7	2	4	5	3	3	1
Carroll	6	5	2	5	2	2	0	12	7	24	19	17	13	14	15	11	14	14	14	10	9	5	5	3	2	3	5
Cass	8	11	5	11	5	2	0	2	3	13	15	21	15	16	16	9	18	18	21	18	19	20	24	14	6	6	6
Cedar	9	5	1	1	1	1	0	1	0	19	17	19	18	13	12	15	18	14	17	13	12	9	8	2	4	6	4
Cerro Gordo	11	10	5	7	1	3	2	0	2	112	95	96	86	93	97	86	101	44	117	119	115	105	102	81	60	68	71
Cherokee	4	7	5	6	8	3	4	0	3	14	11	19	11	14	10	8	10	4	8	16	22	25	21	11	11	7	254
Chickasaw	5	2	4	1	1	1	1	1	0	18	13	10	10	8	2	1	2	5	10	15	11	8	5	5	2	2	2
Clarke	3	4	3	3	3	0	1	0	2	6	6	8	13	12	12	13	9	4	2	2	2	5	4	2	3	3	1
Clay	7	6	7	9	6	6	4	9	9	51	46	40	38	42	29	27	40	21	9	11	10	10	9	9	4	0	0
Clayton	8	12	9	9	2	7	4	2	5	16	10	8	11	9	9	7	18	14	15	12	10	8	11	11	8	3	0
Clinton	20	25	20	18	18	21	21	15	10	69	82	80	92	109	77	60	135	50	300	294	283	264	255	238	184	173	159
Crawford	11	2	2	4	4	7	6	2	0	37	31	33	26	30	30	41	38	19	12	13	9	10	5	4	9	6	4
Dallas	12	8	9	15	5	4	0	2	3	68	58	57	55	45	40	45	30	12	63	61	44	29	31	30	31	15	5
Davis	0	0	0	0	0	0	0	0	0	3	3	7	7	3	7	3	13	4	0	0	0	0	0	1	0	5	6
Decatur	2	6	3	4	1	3	2	2	2	11	8	11	6	9	11	19	26	17	14	15	6	3	2	4	1	3	4
Delaware	16	8	7	4	7	0	1	0	2	22	22	22	17	20	17	12	2	4	9	6	4	3	10	1	4	1	2
Des Moines	26	35	37	24	18	19	8	16	16	87	82	80	82	89	71	76	76	37	441	478	487	461	455	430	379	361	322
Dickinson	3	0	0	0	0	0	0	2	3	14	20	31	19	20	17	14	2	2	5	8	8	3	9	6	6	3	2
Dubuque	41	41	47	38	35	42	17	22	8	146	146	155	155	148	145	89	100	87	232	233	216	201	170	121	80	72	42
Emmet	4	3	4	5	6	5	10	2	3	11	12	13	13	12	14	15	15	27	5	4	6	7	4	9	4	6	3
Fayette	3	3	0	0	3	3	5	1	1	30	35	28	22	24	14	16	12	6	21	14	17	18	8	11	9	4	3

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1982, 1987, 1992-1997 (continued).

County	American Indian K-12 Students									Asian American K-12 Students									Black K-12 Students								
	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978
Floyd	0	1	2	3	4	0	1	1	1	16	14	18	23	24	30	34	19	19	15	9	10	12	6	8	5	3	1
Franklin	3	3	4	4	2	2	1	0	0	3	6	4	3	3	5	1	4	2	3	5	5	0	0	2	2	2	2
Fremont	0	1	0	0	0	0	0	3	11	0	4	2	2	2	3	0	2	1	2	1	0	0	0	1	0	0	1
Greene	2	2	1	0	0	0	3	3	2	18	10	17	17	14	9	8	12	19	7	9	4	3	6	5	0	0	1
Grundy	10	7	8	5	2	3	1	0	1	30	29	26	19	18	16	6	9	5	6	8	5	4	3	7	3	0	1
Guthrie	0	0	0	1	1	0	2	0	3	14	8	8	8	10	16	6	4	1	6	5	2	1	2	1	8	0	1
Hamilton	13	9	5	4	3	4	1	0	0	57	45	46	42	46	34	34	26	11	14	13	10	10	7	7	7	1	5
Hancock	1	0	0	1	0	1	0	0	1	19	11	8	8	12	13	9	10	5	1	2	3	4	6	5	0	0	0
Hardin	8	13	10	5	11	10	5	5	5	18	21	15	17	17	17	17	20	19	26	16	12	14	14	10	11	5	3
Harrison	1	7	7	7	4	9	7	4	1	13	10	13	9	7	9	3	5	1	4	9	8	4	3	3	3	4	4
Henry	3	2	2	1	3	3	1	2	0	99	81	70	68	75	74	44	58	34	44	32	30	33	22	19	13	3	13
Howard	1	0	0	2	2	2	0	0	0	14	14	15	14	16	13	3	6	1	2	2	2	1	1	1	0	0	0
Humboldt	1	1	2	1	0	0	1	0	4	4	3	4	5	6	12	4	10	12	6	4	7	5	6	3	2	9	4
Ida	4	5	3	0	2	0	0	0	0	2	9	5	8	8	5	4	2	3	5	6	8	2	0	2	1	0	0
Iowa	4	5	3	5	3	5	0	3	4	24	25	21	19	18	19	20	24	23	11	7	6	8	7	7	1	0	0
Jackson	1	3	3	2	3	2	1	1	1	11	9	12	8	11	10	6	9	7	23	18	12	8	5	9	7	5	2
Jasper	6	5	8	6	6	5	6	25	1	45	59	61	54	67	76	88	62	32	31	32	22	20	19	22	14	10	12
Jefferson	2	1	2	4	5	3	0	0	0	39	37	35	29	40	31	19	25	4	12	11	14	18	20	22	20	19	12
Johnson	68	62	56	53	64	48	60	27	14	572	545	557	543	518	461	374	337	200	663	624	520	473	472	425	300	213	146
Jones	4	6	2	0	2	3	0	3	0	28	26	18	15	18	16	7	4	1	29	19	15	13	7	6	0	1	1
Keokuk	3	0	1	0	0	0	0	0	0	9	9	7	9	12	10	13	13	8	8	8	4	4	4	7	0	0	0
Kossuth	1	1	0	1	1	1	3	3	0	28	30	31	23	22	28	32	21	8	13	8	7	8	6	5	1	3	1
Lee	22	21	13	11	8	7	9	2	14	70	70	68	64	63	67	89	60	43	271	250	251	273	253	256	237	235	231
Linn	113	117	126	116	136	85	55	62	45	627	593	599	551	532	515	403	358	184	1627	1503	1405	1360	1320	1159	921	861	837
Louisa	5	7	10	6	9	11	0	0	2	7	13	12	15	14	12	7	7	3	8	4	49	6	7	14	5	0	1
Lucas	1	2	0	0	0	0	0	0	0	6	10	3	8	6	7	6	2	3	3	3	6	4	10	8	4	2	0
Lyon	1	4	7	4	3	5	2	3	5	5	8	11	8	8	9	18	23	10	2	12	6	8	7	14	4	2	4
Madison	4	3	0	0	0	0	7	0	3	9	10	8	9	8	5	2	10	2	5	6	5	6	3	4	2	3	1
Mahaska	4	5	1	4	7	5	2	5	2	49	41	46	52	65	60	65	64	46	16	15	15	15	12	9	10	5	6
Marion	6	2	3	3	8	4	6	4	2	138	109	102	108	111	85	106	94	58	31	25	19	22	23	22	12	16	23
Marshall	21	30	37	32	38	33	8	11	10	106	100	102	97	94	86	96	122	68	108	88	89	106	98	97	53	68	64
Mills	3	4	2	0	1	4	0	5	2	13	12	8	7	4	7	4	0	1	9	11	6	7	7	3	2	3	3
Mitchell	0	0	0	0	1	0	2	0	0	19	16	15	17	11	13	7	5	1	0	0	0	0	1	1	0	1	0

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1982, 1987, 1992-1997 (continued).

County	American Indian K-12 Students									Asian American K-12 Students									Black K-12 Students								
	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978
Monona	14	14	15	4	6	3	0	1	2	2	2	3	4	2	1	3	1	0	1	0	1	6	7	0	1	0	0
Monroe	1	0	0	0	0	1	2	1	1	18	17	20	19	20	16	12	0	1	9	8	8	8	3	2	7	5	2
Montgomery	3	0	0	1	1	1	2	1	2	7	5	4	4	7	2	3	4	2	3	3	2	2	6	7	4	3	4
Muscatine	17	13	11	5	6	3	5	10	6	123	122	109	111	117	103	94	74	41	69	88	88	92	86	84	67	42	56
O'Brien	7	10	4	7	5	4	2	0	0	28	24	21	14	15	15	16	15	6	6	7	4	3	3	4	4	2	0
Osceola	5	5	8	5	5	4	3	3	0	5	5	2	6	5	2	8	3	0	8	9	7	7	5	2	0	4	0
Page	6	6	2	5	1	0	4	5	3	33	37	19	24	40	32	22	9	5	88	137	16	14	12	10	16	4	3
Palo Alto	4	5	3	3	4	5	0	4	1	8	16	11	11	13	12	4	3	2	8	9	7	5	1	10	1	0	2
Plymouth	13	12	8	10	2	1	1	3	0	43	41	45	34	34	27	8	15	19	32	32	22	13	14	9	5	4	7
Pocahontas	3	4	2	1	2	0	0	0	0	18	16	14	12	14	16	2	0	0	2	8	3	2	7	3	0	0	0
Polk	312	290	263	254	241	223	120	166	255	2183	2244	2224	2186	2194	1984	1636	1645	821	5098	4931	4775	4535	4150	4148	3862	3701	3979
Pottawattamie	119	85	86	93	49	64	43	58	52	105	114	91	96	76	58	60	89	43	185	174	144	168	179	145	107	106	126
Poweshiek	10	15	8	8	0	4	1	2	3	43	41	42	41	40	54	44	45	14	33	27	26	26	17	22	7	10	11
Ringgold	0	0	0	0	0	0	0	0	0	4	4	5	4	3	5	12	6	6	2	1	1	1	1	2	2	2	1
Sac	0	0	6	0	0	0	1	0	0	4	2	1	1	2	4	2	4	4	8	4	3	1	4	4	1	1	1
Scott	328	271	260	219	171	177	91	68	95	576	645	572	558	596	545	398	367	247	3188	3182	3120	3072	3232	2973	2651	2341	2019
Shelby	5	5	9	2	1	0	0	2	2	15	14	13	15	10	10	11	17	22	10	4	6	1	1	0	2	3	4
Sioux	20	19	12	14	17	12	8	7	14	49	55	49	55	66	51	74	62	24	22	20	13	16	19	7	5	7	6
Story	26	29	28	36	16	16	8	9	10	493	458	443	471	479	452	374	261	137	264	248	253	236	219	177	125	118	120
Tama	208	200	188	170	202	173	198	184	253	22	17	18	18	22	26	25	25	17	18	19	15	9	12	14	3	2	6
Taylor	0	1	0	0	0	0	0	0	0	18	13	11	7	10	11	9	2	0	4	11	4	4	5	4	1	0	0
Union	6	3	6	2	0	2	2	0	0	10	10	8	4	1	8	17	9	5	17	11	8	6	1	1	0	1	1
Van Buren	2	1	1	2	0	0	1	0	0	7	8	2	3	10	7	7	19	6	3	2	0	2	2	1	1	0	0
Wapello	25	17	25	12	11	8	5	2	1	91	92	71	67	76	63	43	30	15	106	85	90	85	92	86	88	79	68
Warren	16	10	10	11	8	7	9	3	4	55	46	45	51	57	48	42	42	20	50	36	42	41	45	34	32	18	22
Washington	2	0	0	1	1	2	2	0	0	16	21	18	19	18	11	16	29	19	44	51	51	51	43	43	8	7	11
Wayne	1	0	0	1	0	1	0	0	0	4	11	4	10	12	10	15	7	3	9	8	6	3	2	5	2	0	0
Webster	17	12	11	10	19	14	9	5	11	86	83	82	64	55	52	52	69	68	331	344	309	315	336	302	283	294	284
Winnebago	7	10	14	11	11	8	2	6	4	33	29	28	27	26	30	27	23	15	13	13	6	4	2	2	6	3	0
Winneshiek	2	1	1	1	2	3	0	4	2	33	33	32	36	38	45	34	37	10	20	9	8	7	7	6	9	12	8
Woodbury	693	630	670	626	628	579	490	383	416	652	652	608	580	545	498	293	147	83	733	664	690	685	674	673	509	359	315
Worth	7	7	4	0	0	2	0	1	1	4	3	1	1	1	2	3	11	4	7	4	6	3	8	4	2	1	3
Wright	0	1	2	0	0	2	3	5	0	19	17	24	13	22	17	20	23	26	20	13	7	7	5	8	2	2	3
State of Iowa	2495	2298	2235	2054	1960	1790	1354	1251	1442	8466	8367	8076	7880	7939	7352	5975	5659	3235	18064	17451	16699	16108	15619	14633	12979	12034	11880

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1982, 1987, 1992-1997 (continued).

County	Hispanic K-12 Students									Total Minority K-12 Students									White K-12 Students								
	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978
Adair	4	3	3	5	7	12	2	0	0	13	10	11	17	19	23	11	8	3	1240	1249	1270	1256	1207	1229	1213	1253	1472
Adams	4	0	0	0	0	1	0	0	0	6	1	2	0	0	1	2	0	0	727	735	752	768	755	727	814	835	1017
Allamakee	20	6	8	6	7	12	5	1	4	46	33	38	33	40	33	20	8	30	2898	2911	2917	2990	2911	2935	2970	3292	3812
Appanoose	14	7	6	8	7	8	4	7	0	69	60	42	35	33	40	38	44	53	2423	2482	2515	2493	2494	2541	2648	2715	3046
Audubon	4	0	1	3	3	3	0	3	4	17	10	15	18	14	10	1	13	6	1129	1152	1176	1160	1190	1227	1231	1374	1666
Benton	18	15	16	8	12	13	6	9	3	70	57	48	33	42	44	32	34	23	4318	4371	4254	4212	4207	4450	4352	4659	5348
Black Hawk	295	287	244	208	158	154	100	102	72	3836	3716	3602	3536	3367	3160	3081	3035	2774	17641	17819	18206	18254	18756	18710	19642	21940	24466
Boone	32	25	14	8	15	20	9	6	9	83	95	75	59	62	70	62	49	33	4308	4396	4407	4315	4319	4271	4149	4231	4765
Bremer	17	15	20	20	16	15	8	8	4	83	84	78	87	73	72	47	56	54	5450	5819	5974	5972	5991	5949	6079	6629	7385
Buchanan	8	9	17	16	17	20	2	6	6	51	38	53	54	47	45	22	23	22	3510	3603	3642	3669	3630	3646	3582	3943	4451
Buena Vista	408	337	272	167	89	71	4	1	0	709	592	512	386	316	282	72	48	27	3641	3713	3833	3970	4022	3496	3352	3412	3790
Butler	5	4	4	2	4	12	1	4	3	26	25	22	27	23	31	11	13	6	2098	2145	2443	2643	2620	2625	2785	3043	3482
Calhoun	8	13	6	12	8	15	2	1	1	31	34	28	31	30	33	14	14	21	2540	2578	2611	2724	2668	2576	2469	2645	3174
Carroll	36	22	11	9	3	12	7	2	0	80	56	39	32	24	32	20	31	26	4840	4979	4943	5001	5103	5070	4639	5002	5754
Cass	5	11	17	12	14	18	7	5	5	47	55	62	58	59	50	22	31	32	3063	3125	3171	3172	3129	3144	3205	3328	3796
Cedar	26	27	30	22	35	16	11	9	3	71	62	62	50	57	31	30	34	21	3599	3610	3597	3579	3531	3643	3507	3770	4351
Cerro Gordo	265	278	275	241	246	218	191	210	242	505	502	491	439	442	399	339	379	359	7507	7652	7676	7738	7694	7745	7814	7618	8661
Cherokee	10	11	11	15	10	10	0	2	1	36	45	57	57	53	34	23	19	262	2282	2324	2680	2752	3029	2776	2894	3014	3277
Chickasaw	25	10	9	5	6	8	3	1	2	58	40	34	24	20	16	7	6	9	2739	2519	2513	2490	2471	2486	2596	2990	3560
Clarke	11	4	5	6	3	5	4	1	0	22	16	18	27	22	19	21	13	7	1760	1777	1771	1728	1691	1734	1719	1640	1706
Clay	18	13	8	7	8	14	9	0	4	85	76	65	64	65	58	44	49	34	3050	3062	3113	3123	3133	3544	3422	3492	3910
Clayton	7	7	4	9	3	3	9	4	7	46	41	31	37	25	30	28	27	26	3821	3837	3869	3870	3869	3862	3944	4166	4723
Clinton	92	88	83	83	83	68	31	32	25	481	489	466	457	465	404	296	355	244	8935	8971	9097	9248	9332	9495	9857	11244	12892
Crawford	115	65	41	23	18	18	26	14	20	175	111	85	63	57	59	82	60	43	2785	2796	2891	3042	3206	3223	3793	4091	4570
Dallas	327	247	212	142	105	68	13	5	5	470	374	322	241	186	142	89	52	25	7775	7615	7476	7199	7045	6914	6587	6331	6878
Davis	3	1	1	0	3	3	3	6	5	6	4	8	7	6	11	6	24	15	1245	1306	1311	1353	1382	1399	1441	1553	1649
Decatur	16	3	12	5	3	6	7	13	11	43	32	32	18	15	24	29	44	34	1377	1353	1353	1426	1327	1418	1532	1622	1707
Delaware	22	22	14	19	23	11	5	0	2	69	58	47	43	60	29	22	3	10	4041	4059	4075	4017	4032	3987	3716	3862	4388
Des Moines	131	163	127	124	121	128	91	102	99	685	758	731	691	683	648	554	555	474	7094	7197	7234	7383	7423	7412	7813	7980	9166
Dickinson	12	16	14	10	11	13	5	1	2	34	44	53	32	40	36	25	8	9	2810	2851	2803	2820	2707	2754	2734	2801	3052
Dubuque	95	97	96	90	105	100	30	44	31	514	517	514	484	458	408	216	238	168	17509	17740	17849	17852	17946	17827	19321	21253	25028
Emmet	88	83	89	79	63	60	27	17	6	108	102	112	104	85	88	56	40	39	1976	2007	2140	2177	2211	2196	2278	2521	2876
Fayette	47	44	42	48	38	32	23	10	60	101	96	87	88	73	60	53	27	70	4585	4622	4670	4730	4686	4718	4761	5576	6279

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1982, 1987, 1992-1997 (continued).

County	Hispanic K-12 Students									Total Minority K-12 Students									White K-12 Students								
	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978
Floyd	18	27	33	33	31	30	10	12	11	49	51	63	71	65	68	50	35	32	3233	3283	3235	3294	3291	3356	3434	3972	4534
Franklin	141	204	121	105	67	78	38	21	17	150	218	134	112	72	87	42	27	21	1899	1997	1962	1835	1837	1928	1750	1879	2214
Fremont	15	14	12	19	17	20	14	13	6	17	20	14	21	19	24	14	18	19	1595	1630	1659	1658	1677	1668	1710	1737	1880
Greene	21	22	13	9	6	5	5	1	2	48	43	35	29	26	19	16	16	24	1976	1983	1969	1963	1949	1930	1829	2089	2583
Grundy	21	11	14	22	16	5	1	3	0	67	55	53	50	39	31	11	12	7	2951	3013	2758	2756	2730	2764	2408	2772	3119
Guthrie	11	11	7	8	15	12	10	2	0	31	24	17	18	28	29	26	6	5	2294	2302	2313	2329	2397	2382	2564	2725	3097
Hamilton	42	43	41	39	29	32	23	14	17	126	110	102	95	85	77	65	41	33	2988	3046	3090	3104	3067	3110	3115	3393	3909
Hancock	48	26	22	24	27	32	12	14	6	69	39	33	37	45	51	21	24	12	2090	2142	2094	2104	2332	2343	2432	2489	2818
Hardin	108	82	76	86	55	44	12	7	13	160	132	113	122	97	81	45	37	40	3381	3524	3559	3585	3617	3626	3760	4451	5098
Harrison	9	2	8	5	4	5	6	4	0	27	28	36	25	18	26	19	17	6	3411	3378	3365	3351	3041	3091	3149	3373	3788
Henry	40	31	42	26	28	23	11	9	11	186	146	144	128	128	119	69	72	58	3658	3627	3678	3822	3776	3841	3531	3578	3914
Howard	6	3	5	7	4	4	5	2	0	23	19	22	24	23	20	8	8	1	2299	2303	2366	2404	2311	2322	2338	2567	3070
Humboldt	9	4	2	1	3	0	3	1	1	21	12	15	12	15	15	10	20	21	2111	2119	2134	2138	2129	2085	2064	2226	2638
Ida	1	2	1	0	0	1	2	0	0	12	22	17	10	10	8	7	2	3	1534	1531	1561	1618	1740	1636	1542	1460	1664
Iowa	74	58	54	46	34	20	16	11	15	113	95	84	78	62	51	37	38	42	2879	2868	2847	3223	3126	3121	2773	3041	3616
Jackson	11	14	10	7	11	9	0	3	2	46	44	37	25	30	30	14	18	12	4078	4172	4182	4222	4235	4235	4362	4827	5344
Jasper	50	38	33	38	45	46	25	15	13	132	134	124	118	137	149	133	112	58	6398	6484	6444	6393	6536	6441	6556	6705	7550
Jefferson	34	30	33	28	27	24	14	4	0	87	79	84	79	92	80	53	48	16	2323	2365	2367	2317	2570	2349	2317	2405	2750
Johnson	343	342	334	308	285	247	147	136	81	1646	1573	1467	1377	1339	1181	881	713	441	12165	12016	12034	11416	11336	11229	10283	10266	11102
Jones	9	12	6	13	12	8	1	5	1	70	63	41	41	39	33	8	13	3	3633	3661	3674	3737	3707	3518	3595	3899	4512
Keokuk	11	9	7	6	5	7	3	4	0	31	26	19	19	21	24	16	17	8	2415	2445	2469	2426	2419	2375	2415	2453	2936
Kossuth	47	49	32	25	24	24	21	13	17	89	88	70	57	53	58	57	40	26	3419	3484	3482	3507	3520	3531	3721	4172	4946
Lee	172	178	165	176	167	168	149	166	169	535	519	497	524	491	498	484	463	457	6659	6807	6943	7001	7060	7008	7227	7703	8577
Linn	473	442	414	388	345	310	273	197	191	2840	2655	2544	2415	2333	2069	1652	1478	1257	32041	31899	31340	31103	30561	30317	30369	33317	37565
Louisa	434	439	343	309	267	236	91	75	93	454	463	414	336	297	273	103	82	99	2471	2524	2578	2546	2551	2551	2740	2810	3114
Lucas	14	9	8	8	7	2	3	3	0	24	24	17	20	23	17	13	7	3	1596	1608	1564	1574	1597	1563	1650	1726	1955
Lyon	5	6	7	4	3	3	1	2	2	13	30	31	24	21	31	25	30	21	2309	2347	2378	2423	2404	2376	2461	2481	2878
Madison	11	13	4	9	7	6	12	2	4	29	32	17	24	18	15	23	15	10	2890	2861	2850	2818	2777	2830	2823	2795	3134
Mahaska	11	9	13	13	22	22	5	11	3	80	70	75	84	106	96	82	85	57	3404	3488	3394	3465	3410	3473	3381	3408	3591
Marion	32	28	28	32	21	30	24	16	7	207	164	152	165	163	141	148	130	90	6357	6402	6344	6288	6126	6168	5990	6003	6490
Marshall	560	448	350	257	176	141	59	61	55	795	666	578	492	406	357	216	262	197	6078	6225	6346	6356	6310	6416	7133	7690	8618
Mills	30	23	15	6	3	3	3	7	0	55	50	31	20	15	17	9	15	6	2694	2653	2610	2528	2604	2639	2638	2632	2669
Mitchell	2	3	2	1	2	3	3	8	6	21	19	17	18	15	17	12	14	7	2025	2059	2038	2052	2037	1999	2063	2132	2652

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1982, 1987, 1992-1997 (continued).

County	Hispanic K-12 Students									Total Minority K-12 Students									White K-12 Students								
	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978	1997	1996	1995	1994	1993	1992	1987	1982	1978
Monona	3	10	3	0	1	4	5	1	2	20	26	22	14	16	8	9	3	4	1750	1825	1866	1842	1885	1894	1925	2109	2490
Monroe	10	10	11	11	8	6	7	1	1	38	35	39	38	31	25	28	7	5	1331	1293	1327	1348	1333	1379	1344	1496	1683
Montgomery	9	5	7	13	11	9	11	1	0	22	13	13	20	25	19	20	9	8	2133	2140	2112	2107	2116	2118	2169	2242	2454
Muscatine	1185	1156	1107	1103	1084	1037	758	617	498	1394	1379	1315	1311	1293	1227	924	743	601	6285	6495	6504	6721	6663	6835	6939	7326	7922
O'Brien	22	34	33	12	12	12	6	2	0	63	75	62	36	35	35	28	19	6	3276	3366	3435	3437	3421	3421	3388	3392	3794
Osceola	20	17	19	21	12	13	2	4	1	38	36	36	39	27	21	13	14	1	1066	1057	1047	1044	1017	1051	1049	1112	1396
Page	45	51	31	37	56	54	26	10	3	172	231	68	80	109	96	68	28	14	3043	3083	3040	3093	3062	3091	3215	3272	3511
Palo Alto	22	22	11	6	15	5	5	13	3	42	52	32	25	33	32	10	20	8	2155	2182	2248	2274	2322	2306	2378	2461	2965
Plymouth	39	34	27	14	17	15	9	3	0	127	119	102	71	67	52	23	25	26	5393	5460	5499	5396	5358	5304	5061	5072	5769
Pocahontas	15	16	5	7	5	8	0	0	0	38	44	24	22	28	27	2	0	0	1447	1456	1502	1474	1425	1837	1801	2074	2552
Polk	2332	2093	1812	1531	1299	1203	864	891	908	9925	9558	9074	8506	7884	7558	6482	6403	5963	54672	54159	53980	53259	52705	52318	50309	51245	57695
Pottawattamie	431	407	360	281	278	308	221	255	239	840	780	681	638	582	575	431	508	460	16961	17215	16770	16438	16462	16429	16600	17006	19252
Poweshiek	19	19	14	14	14	14	5	9	4	105	102	90	89	71	94	57	66	32	3104	3159	3186	3109	3091	3009	3129	3260	3650
Ringgold	2	2	0	1	0	0	0	0	1	8	7	6	6	4	7	14	8	8	960	995	1010	1041	1014	999	1001	1089	1218
Sac	21	13	12	3	1	0	0	3	0	33	19	22	5	7	8	4	8	5	2261	2317	2319	2389	2371	2394	2481	2590	2953
Scott	1357	1355	1219	1156	1205	1128	884	854	836	5449	5453	5171	5005	5204	4823	4024	3630	3197	25338	25754	25868	25981	27117	26421	26886	30159	33233
Shelby	9	14	7	7	4	4	5	6	4	39	37	35	25	16	14	18	28	32	2849	2857	3043	3002	3015	2923	2664	3026	3593
Sioux	102	77	52	37	21	21	6	4	2	193	171	126	122	123	91	93	80	46	6886	7122	7143	7157	7181	7043	6412	6067	6793
Story	175	148	181	158	135	111	96	96	82	958	883	905	901	849	756	603	484	349	10272	10295	10342	10295	10244	10509	9380	9361	10569
Tama	158	125	108	88	72	75	28	8	0	406	361	329	285	308	288	254	219	276	2588	2630	2675	2775	2766	3219	3139	3461	4077
Taylor	45	39	44	19	17	13	0	0	0	67	64	59	30	32	28	10	2	0	1258	1271	1287	1296	1282	1263	1499	1516	1658
Union	11	13	11	1	1	2	3	4	8	44	37	33	13	3	13	22	14	14	2285	2298	2291	2361	2465	2422	2592	2686	2924
Van Buren	4	6	6	1	4	4	0	2	0	16	17	9	8	16	12	9	21	6	1459	1436	1447	1487	1462	1437	1464	1557	1811
Wapello	100	65	47	39	41	27	7	10	7	322	259	233	203	220	184	143	121	91	6312	6397	6415	6508	6536	6628	6795	7444	8284
Warren	62	37	50	40	26	28	14	6	6	183	129	147	143	136	117	97	69	52	7481	7510	7516	7523	7432	7195	7070	7073	7521
Washington	128	112	91	81	71	52	11	13	15	190	184	160	152	133	108	37	49	45	3659	3638	3597	3720	3632	3626	3659	3788	4170
Wayne	8	4	5	1	0	0	0	1	1	22	23	15	15	14	16	17	8	4	1176	1233	1250	1202	1188	1233	1198	1394	1443
Webster	125	93	89	99	101	80	68	87	61	559	532	491	488	511	448	412	455	424	6579	6764	6696	6769	6813	6788	7062	7611	9190
Winnebago	52	49	39	36	28	30	41	36	22	105	101	87	78	67	70	76	68	41	2743	2816	2923	2907	2875	2841	2741	2705	3342
Winneshiek	12	6	3	4	6	6	8	15	6	67	49	44	48	53	60	51	68	26	3218	3261	3260	3285	3303	3237	3109	3168	3655
Woodbury	1770	1636	1388	1054	897	757	286	169	158	3848	3582	3356	2945	2744	2507	1578	1058	972	17281	17499	17438	17792	17798	18209	18833	18891	20740
Worth	16	15	16	20	20	17	12	6	5	34	29	27	24	29	25	17	19	13	1146	1146	1165	1206	1172	1212	1167	1332	1595
Wright	87	74	73	40	33	27	19	4	12	126	105	106	60	60	54	44	34	41	2974	3023	3031	3124	2816	2759	2831	2949	3489
State of Iowa	12322	13397	10848	9405	8504	7837	5054	4599	4264	42422	40438	37858	35447	34022	31612	25362	20821	497311	501773	503844	503839	503300	504272	532935	601813	309	

Table 2. Minority Students as Percent of Total K-12 Students in Iowa's Counties, 1978, 1982, 1987, 1992-1997.

County	1997	1996	1995	1994	1993	1992	1987	1982	1978
Adair	1.0	0.8	0.9	1.3	1.5	1.8	0.9	0.6	0.2
Adams	0.8	0.1	0.3	0.0	0.0	0.1	0.2	0.0	0.0
Allamakee	1.6	1.1	1.3	1.1	1.4	1.1	0.7	0.2	0.8
Appanoose	2.8	2.4	1.6	1.4	1.3	1.5	1.4	1.6	1.7
Audubon	1.5	0.9	1.3	1.5	1.2	0.8	0.1	0.9	0.4
Benton	1.6	1.3	1.1	0.8	1.0	1.0	0.7	0.7	0.4
Black Hawk	17.9	17.3	16.5	16.2	15.2	14.4	13.6	12.2	10.2
Boone	1.9	2.1	1.7	1.3	1.4	1.6	1.5	1.1	0.7
Bremer	1.5	1.4	1.3	1.4	1.2	1.2	0.8	0.8	0.7
Buchanan	1.4	1.0	1.4	1.5	1.3	1.2	0.6	0.6	0.5
Buena Vista	16.3	13.8	11.8	8.9	7.3	7.5	2.1	1.4	0.7
Butler	1.2	1.2	0.9	1.0	0.9	1.2	0.4	0.4	0.2
Calhoun	1.2	1.3	1.1	1.1	1.1	1.3	0.6	0.5	0.7
Carroll	1.6	1.1	0.8	0.6	0.5	0.6	0.4	0.6	0.4
Cass	1.5	1.7	1.9	1.8	1.9	1.6	0.7	0.9	0.8
Cedar	1.9	1.7	1.7	1.4	1.6	0.8	0.8	0.9	0.5
Cerro Gordo	6.3	6.2	6.0	5.4	5.4	4.9	4.2	4.7	4.0
Cherokee	1.6	1.9	2.1	2.0	1.7	1.2	0.8	0.6	7.4
Chickasaw	2.1	1.6	1.3	1.0	0.8	0.6	0.3	0.2	0.3
Clarke	1.2	0.9	1.0	1.5	1.3	1.1	1.2	0.8	0.4
Clay	2.7	2.4	2.0	2.0	2.0	1.6	1.3	1.4	0.9
Clayton	1.2	1.1	0.8	0.9	0.6	0.8	0.7	0.6	0.5
Clinton	5.1	5.2	4.9	4.7	4.7	4.1	2.9	3.1	1.9
Crawford	5.9	3.8	2.9	2.0	1.7	1.8	2.1	1.4	0.9
Dallas	5.7	4.7	4.1	3.2	2.6	2.0	1.3	0.8	0.4
Davis	0.5	0.3	0.6	0.5	0.4	0.8	0.4	1.5	0.9
Decatur	3.0	2.3	2.3	1.2	1.1	1.7	1.9	2.6	2.0
Delaware	1.7	1.4	1.1	1.1	1.5	0.7	0.6	0.1	0.2
Des Moines	8.8	9.5	9.2	8.6	8.4	8.0	6.6	6.5	4.9
Dickinson	1.2	1.5	1.9	1.1	1.5	1.3	0.9	0.3	0.3
Dubuque	2.9	2.8	2.8	2.6	2.5	2.2	1.1	1.1	0.7
Emmet	5.2	4.8	5.0	4.6	3.7	3.9	2.4	1.6	1.3
Fayette	2.2	2.0	1.8	1.8	1.5	1.3	1.1	0.5	1.1
Floyd	1.5	1.5	1.9	2.1	1.9	2.0	1.4	0.9	0.7
Franklin	7.3	9.8	6.4	5.8	3.8	4.3	2.3	1.4	0.9
Fremont	1.1	1.2	0.8	1.3	1.1	1.4	0.8	1.0	1.0
Greene	2.4	2.1	1.7	1.5	1.3	1.0	0.9	0.8	0.9
Grundy	2.2	1.8	1.9	1.8	1.4	1.1	0.5	0.4	0.2
Guthrie	1.3	1.0	0.7	0.8	1.2	1.2	1.0	0.2	0.2
Hamilton	4.0	3.5	3.2	3.0	2.7	2.4	2.0	1.2	0.8
Hancock	3.2	1.8	1.6	1.7	1.9	2.1	0.9	1.0	0.4
Hardin	4.5	3.6	3.1	3.3	2.6	2.2	1.2	0.8	0.8
Harrison	0.8	0.8	1.1	0.7	0.6	0.8	0.6	0.5	0.2
Henry	4.8	3.9	3.8	3.2	3.3	3.0	1.9	2.0	1.5
Howard	1.0	0.8	0.9	1.0	1.0	0.9	0.3	0.3	0.0
Humboldt	1.0	0.6	0.7	0.6	0.7	0.7	0.5	0.9	0.8
Ida	0.8	1.4	1.1	0.6	0.6	0.5	0.5	0.1	0.2
Iowa	3.8	3.2	2.9	2.4	1.9	1.6	1.3	1.2	1.1
Jackson	1.1	1.0	0.9	0.6	0.7	0.7	0.3	0.4	0.2
Jasper	2.0	2.0	1.9	1.8	2.1	2.3	2.0	1.6	0.8

Table 2. Minority Students as Percent of Total K-12 Students in Iowa's Counties, 1978, 1982, 1987, 1992-1997
(continued).

County	1997	1996	1995	1994	1993	1992	1987	1982	1978
Jefferson	3.6	3.2	3.4	3.3	3.5	3.3	2.2	2.0	0.6
Johnson	11.9	11.6	10.9	10.8	10.6	9.5	7.9	6.5	3.8
Jones	1.9	1.7	1.1	1.1	1.0	0.9	0.2	0.3	0.1
Keokuk	1.3	1.1	0.8	0.8	0.9	1.0	0.7	0.7	0.3
Kossuth	2.5	2.5	2.0	1.6	1.5	1.6	1.5	0.9	0.5
Lee	7.4	7.1	6.7	7.0	6.5	6.6	6.3	5.7	5.1
Linn	8.1	7.7	7.5	7.2	7.1	6.4	5.2	4.2	3.2
Louisa	15.5	15.5	13.8	11.7	10.4	9.7	3.6	2.8	3.1
Lucas	1.5	1.5	1.1	1.3	1.4	1.1	0.8	0.4	0.2
Lyon	0.6	1.3	1.3	1.0	0.9	1.3	1.0	1.2	0.7
Madison	1.0	1.1	0.6	0.8	0.6	0.5	0.8	0.5	0.3
Mahaska	2.3	2.0	2.2	2.4	3.0	2.7	2.4	2.4	1.6
Marion	3.2	2.5	2.3	2.6	2.6	2.2	2.4	2.1	1.4
Marshall	11.6	9.7	8.3	7.2	6.0	5.3	2.9	3.3	2.2
Mills	2.0	1.8	1.2	0.8	0.6	0.6	0.3	0.6	0.2
Mitchell	1.0	0.9	0.8	0.9	0.7	0.8	0.6	0.7	0.3
Monona	1.1	1.4	1.2	0.8	0.8	0.4	0.5	0.1	0.2
Monroe	2.8	2.6	2.9	2.7	2.3	1.8	2.0	0.5	0.3
Montgomery	1.0	0.6	0.6	0.9	1.2	0.9	0.9	0.4	0.3
Muscatine	18.2	17.5	16.8	16.3	16.3	15.2	11.8	9.2	7.1
O'Brien	1.9	2.2	1.8	1.0	1.0	1.0	0.8	0.6	0.2
Osceola	3.4	3.3	3.3	3.6	2.6	2.0	1.2	1.2	0.1
Page	5.3	7.0	2.2	2.5	3.4	3.0	2.1	0.8	0.4
Palo Alto	1.9	2.3	1.4	1.1	1.4	1.4	0.4	0.8	0.3
Plymouth	2.3	2.1	1.8	1.3	1.2	1.0	0.5	0.5	0.4
Pocahontas	2.6	2.9	1.6	1.5	1.9	1.4	0.1	0.0	0.0
Polk	15.4	15.0	14.4	13.8	13.0	12.6	11.4	11.1	9.4
Pottawattamie	4.7	4.3	3.9	3.7	3.4	3.4	2.5	2.9	2.3
Poweshiek	3.3	3.1	2.7	2.8	2.2	3.0	1.8	2.0	0.9
Ringgold	0.8	0.7	0.6	0.6	0.4	0.7	1.4	0.7	0.7
Sac	1.4	0.8	0.9	0.2	0.3	0.3	0.2	0.3	0.2
Scott	17.7	17.5	16.7	16.2	16.1	15.4	13.0	10.7	8.8
Shelby	1.4	1.3	1.1	0.8	0.5	0.5	0.7	0.9	0.9
Sioux	2.7	2.3	1.7	1.7	1.7	1.3	1.4	1.3	0.7
Story	8.5	7.9	8.0	8.0	7.7	6.7	6.0	4.9	3.2
Tama	13.6	12.1	11.0	9.3	10.0	8.2	7.5	6.0	6.3
Taylor	5.1	4.8	4.4	2.3	2.4	2.2	0.7	0.1	0.0
Union	1.9	1.6	1.4	0.5	0.1	0.5	0.8	0.5	0.5
Van Buren	1.1	1.2	0.6	0.5	1.1	0.8	0.6	1.3	0.3
Wapello	4.9	3.9	3.5	3.0	3.3	2.7	2.1	1.6	1.1
Warren	2.4	1.7	1.9	1.9	1.8	1.6	1.4	1.0	0.7
Washington	4.9	4.8	4.3	3.9	3.5	2.9	1.0	1.3	1.1
Wayne	1.8	1.8	1.2	1.2	1.2	1.3	1.4	0.6	0.3
Webster	7.8	7.3	6.8	6.7	7.0	6.2	5.5	5.6	4.4
Winnebago	3.7	3.5	2.9	2.6	2.3	2.4	2.7	2.5	1.2
Winneshiek	2.0	1.5	1.3	1.4	1.6	1.8	1.6	2.1	0.7
Woodbury	18.2	17.0	16.1	14.2	13.4	12.1	7.7	5.3	4.5
Worth	2.9	2.5	2.3	2.0	2.4	2.0	1.4	1.4	0.8
Wright	4.1	3.4	3.4	1.9	2.1	1.9	1.5	1.1	1.2
State of Iowa	7.9	7.5	7.0	6.6	6.3	5.9	4.8	4.2	3.3

Although all counties had at least one minority student in 1997, 17 counted fewer than 25 (Table 1). Twenty had at least 400 minority enrollees, with more than 3,000 in Black Hawk, Polk, Scott, and Woodbury. Ten years earlier in 1987, 43 counties reported fewer than 25 minority students and only 12 exceeded 400.

The percentage of enrollees accounted for by the total of American Indian, Asian American, black, and Hispanic students changed significantly across counties when 1987 and 1997 are compared. In 1987, less than 1 percent of enrollees were minority students in 44 counties; only 6 counties remained under 1 percent in 1997. Black Hawk, Muscatine, Polk, and Scott were the only counties in which at least 10 percent of enrollees were in the minority category in 1987, with Black Hawk's percentage of 13.6 the highest. By 1997, 18.2 percent of students in Muscatine and Woodbury were members of minority groups, as were more than 15 percent in Black Hawk, Buena Vista, Louisa, Polk, and Scott. Johnson, Marshall, and Tama ranged from 10.0 to 14.9 percent that year. The figures in Tables 1 and 2 indicate that minority enrollment grew in some of Iowa's more rural counties as well as in metropolitan areas.

Minority students declined between 1987 and 1997 in five counties, although the declines were small (-1 to -12). Increases were of a much greater magnitude. Twenty-seven counties gained at least 100 minority students. Ten of these increased by 400 or more with Polk's gain of more than 3,400 and Woodbury's increase of nearly 2,300 the highest. In percentage terms, 47 counties at least doubled their minority enrollments; 24 of these tripled their numbers; of course, caution is urged because relatively modest numerical changes sometimes resulted in substantial percentage changes because of the small numbers reported in 1987. High percentage increases were noted in counties in which selected industries or institutions expanded. Marshall grew from 216 minority students to 795 (+268%), for example, while Buena Vista increased from 72 to 709 (+885%) and Franklin had 150 in 1997 but only 42 in 1987 (+257%).

American Indian Enrollees

Iowa's schools had 2,495 American Indian students enrolled in 1997, the fewest among the minority groups. Fourteen counties had no American Indian enrollees and 56 others had fewer than 10. Woodbury's enrollment (693) along with five others (Linn, 113; Polk, 312; Pottawattamie, 119; Scott, 328; Tama, 208) accounted for 71.1% of the state's American Indian students. In Audubon, Monona, and Tama, American Indian enrollment was the largest of the four minority groups.

Four of every five (79) counties changed in either direction by less than 10 American Indian students between 1987 and 1997. Three counties (Polk, Scott, Woodbury) each gained about 200 during this period. The state's increase was 1,141 (+84.3%).

Asian American Enrollees

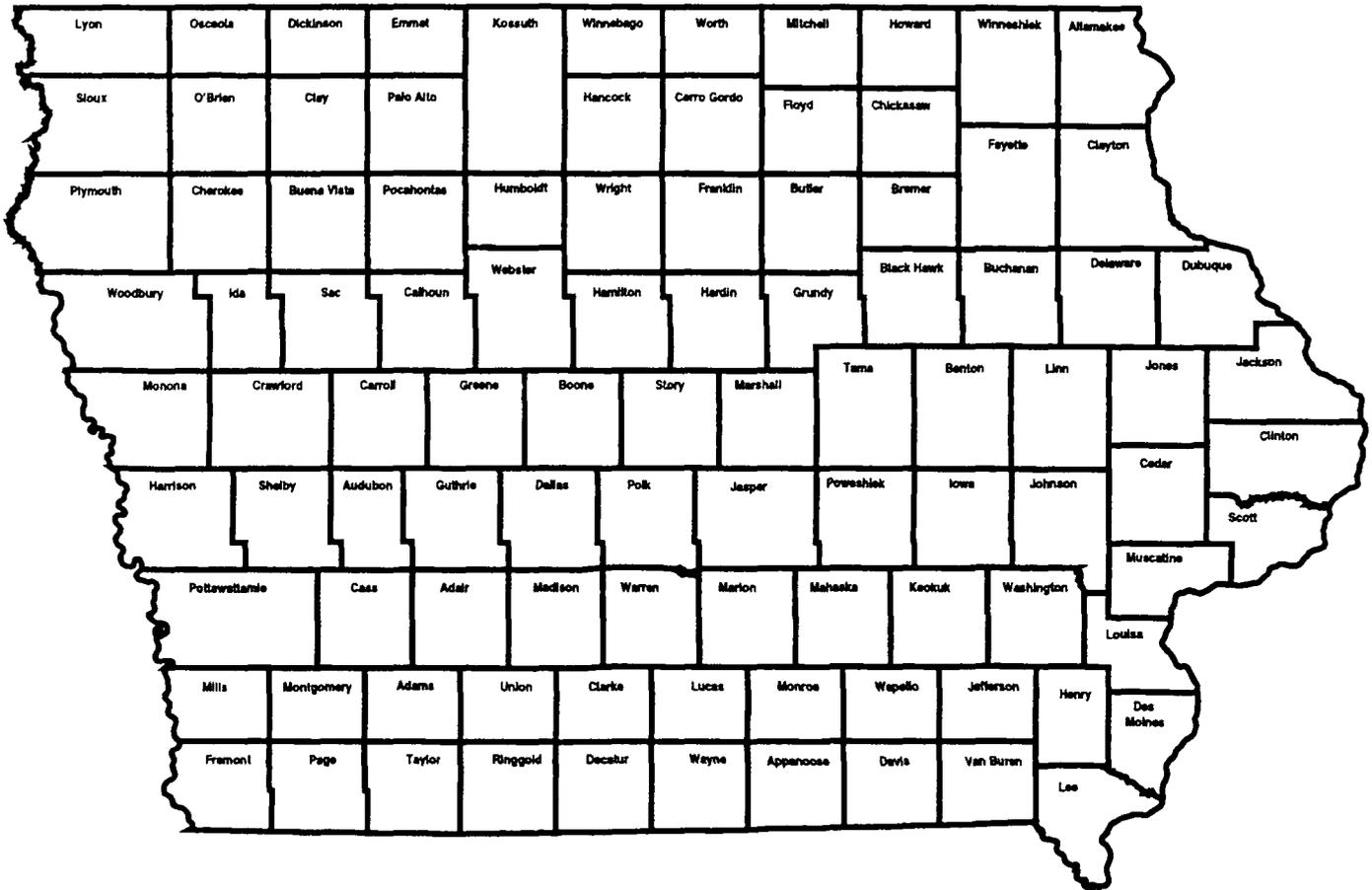
In 1997, Asian American students numbered 8,466 in the schools, an increase of 2,491 (+41.7%) from 1987. While one county had no Asian American enrollees, 22 others had fewer than 10 in 1997. Polk's enrollment of nearly 2,200 was the largest and was 25.8% of the state's Asian American students that year. Counties with at least 100 Asian American students were mostly those with larger cities. Twenty-nine counties had Asian Americans as their largest student minority group.

Two-thirds (66) of Iowa's 99 counties had more Asian American students in 1997 than in 1987. Gains greater than 100 occurred in seven counties, led by an increase exceeding 500 in Polk.

Black Enrollees

Black students (18,064) were greater in number than any of the other minority groups in 1997; this was true for all years reported in Table 1. Four metropolitan counties (Black Hawk, Linn, Polk, Scott) contained 72.3 percent of the black students in 1997. Four counties had no black students and 39 others had fewer than 10. Blacks were the largest minority group in 20 of Iowa's counties.

Black enrollees increased by 5,085 (+39.2%) between 1987 and 1997. The same four counties (Black Hawk, Linn, Polk, Scott) with the largest numbers in 1997 also experienced the greatest increases during the 10 years. Only nine counties had fewer black students in 1997 than in 1987 and these drops were small; seven others did not change.



Public Secondary School Dropouts in Iowa's Counties: 1987-1997

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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 1997 dropouts are those who left school between 1 July 1996 and 30 June 1997.

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 5,033 for 1997 (Table 1). That is an increase of 199 since 1996 and was the highest figure since 1990. In the years reported in Table 1, the number of dropouts ranged from 4,645 in 1994 to 5,652 in 1989 (Figure 1).

Polk had the highest number of dropouts in 1997; indeed, Polk had the greatest number each year except 1993, when Scott had the most. Other counties with at least 100 dropouts each year included Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Some counties had very few or no dropouts in selected years. Audubon, Ida, Lyon, and Osceola had fewer than 10 dropouts in at least 10 of the last 11 years.

The state as a whole and all counties had years between 1987 and 1997 when the number of dropouts increased and other years when the number decreased. Thirty-nine counties had fewer dropouts in 1997 than in 1987. Of these 39 counties, 32 had decreases of fewer than 20 dropouts. Linn, Polk, and Pottawattamie had at least 100 fewer dropouts in 1997 than in 1987. Fifty-three counties had more dropouts in 1997 than in 1987. Muscatine (+134) had the greatest increase.

At the same time the number of dropouts was changing in Iowa, so was the number of school enrollees (Table 1). Student enrollment in public secondary schools declined every year in Iowa between 1987 and 1991, although it increased from 1991 to 1997. Overall, there were about 17,400 more secondary school students in Iowa in 1997 than in 1987. Eighty of Iowa's 99 counties had more secondary enrollees in 1997 than in 1987. Gains were greater than 200 in 26 counties, with at least 1,000 more secondary students in Johnson, Polk, Pottawattamie, and Story. Nineteen counties recorded decreases in secondary enrollees between 1987 and 1997, with declines exceeding 200 only in Butler, Crawford, and Tama.

Percentage of Dropouts

In 1997, 2.1 percent of public secondary enrollees in Iowa became dropouts (Table 2). The proportion of dropouts for Iowa varied between 2.1 and 2.6 percent for the 11 years reported in Table 2 but was higher in 1980 as noted in Figure 2.

There were significant variations among the counties in the percentage of students that dropped out in 1997. Thirty-two counties had fewer than 1 percent of their secondary students leave school in 1997, but Appanoose, Black Hawk, and Muscatine had percentages ranging from 4.2 to 8.7.

Forty-six of Iowa's counties had lower percentages of students drop out in 1997 than in 1987 while 47 counties were higher and six remained the same. Some counties, however, were consistently among those with the highest percentages while others were consistently among the lowest.

Note: Additional information on public secondary school dropouts is available from the Division of Instructional Services in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

Table 1. Public Secondary School Dropouts and Enrollees in Iowa's Counties, 1987-1997.¹

County	1997 ²		1996		1995		1994		1993		1992		1991		1990		1989		1988		1987	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Adair	10	600	13	614	7	618	3	584	12	586	2	530	3	519	4	489	0	487	0	519	4	529
Adams	2	349	3	345	3	346	3	333	2	315	12	302	9	300	12	361	3	356	3	367	3	365
Allamakee	12	1398	9	1367	7	1386	4	1339	18	1286	11	1268	25	1233	13	1313	26	1309	12	1344	17	1362
Appanoose	106	1222	48	1199	60	1198	37	1191	43	1160	42	1144	41	1089	45	1186	34	1188	31	1219	59	1221
Audubon	8	584	1	543	5	554	7	562	6	542	1	534	8	513	0	507	6	522	5	542	2	575
Benton	47	2082	43	1811	52	1793	35	1806	41	1868	26	1761	30	1770	33	1874	26	1832	33	1864	21	1960
Black Hawk	388	9214	481	8226	257	8450	318	8202	549	7813	546	7813	493	7668	488	7653	516	8075	422	8316	388	8446
Boone	32	2039	25	1958	47	1891	52	1844	43	1755	23	1677	21	1639	34	1729	45	1784	30	1825	43	1900
Bremer	28	3037	20	2919	21	2817	14	2713	20	2616	13	2568	17	2457	32	2615	21	2665	27	2716	29	2879
Buchanan	37	1700	31	1572	40	1550	35	1477	41	1496	24	1485	19	1454	21	1518	28	1462	28	1457	35	1488
Buena Vista	20	1930	35	1821	33	1864	29	1778	36	1543	34	1457	30	1423	30	1505	26	1421	24	1339	27	1375
Butler	7	1066	6	1166	7	1193	9	1203	6	1151	5	1188	13	1144	11	1146	11	1239	8	1683	9	1334
Calhoun	12	1292	5	1261	11	1226	7	1246	6	1219	3	1145	13	1064	10	1066	8	1066	8	1111	7	1130
Carroll	15	1655	10	1513	16	1490	20	1461	15	1350	10	1231	10	1130	10	1164	10	1165	15	1165	15	1177
Cass	39	1614	21	1582	28	1546	18	1466	22	1432	19	1391	26	1334	18	1367	27	1391	24	1444	21	1459
Cedar	9	1787	21	1751	19	1710	14	1676	19	1674	23	1636	22	1574	11	1575	10	1593	18	1576	14	1618
Cerro Gordo	130	3623	89	3345	94	3145	122	3066	66	3012	80	2956	96	2905	70	3160	93	3194	60	3231	223	3269
Cherokee	16	1183	9	1271	25	1268	25	1266	8	1248	17	1219	16	1206	19	1228	18	1196	19	1276	8	1267
Chickasaw	16	1186	15	1225	18	1146	14	1119	5	1110	15	1068	17	1075	9	1099	15	1136	13	1187	16	1244
Clarke	30	867	23	842	16	790	22	786	8	761	17	775	12	746	20	727	10	720	7	743	12	767
Clay	32	1512	42	1503	21	1494	32	1481	19	1653	25	1595	15	1495	17	1469	25	1459	19	1421	37	1429
Clayton	22	1882	15	1864	17	1813	19	1799	20	1738	16	1704	28	1680	11	1746	19	1732	16	1726	16	1744
Clinton	140	4385	132	4112	157	4059	103	4094	87	4064	133	4075	175	3914	92	4229	109	4227	77	4345	103	4576
Crawford	27	1326	15	1350	11	1353	17	1404	14	1407	42	1505	18	1491	21	1551	12	1559	16	1691	10	1715
Dallas	93	3586	65	3403	65	3097	57	3041	98	2929	69	2774	64	2697	40	2705	30	2736	67	2759	62	2874
Davis	19	697	21	665	26	676	11	656	13	637	9	651	13	606	15	670	9	667	11	694	11	694
Decatur	10	689	8	653	5	699	9	594	13	640	12	690	14	642	13	643	12	664	13	725	11	716
Delaware	22	2017	27	1919	41	1786	19	1734	13	1600	8	1536	21	1471	18	1484	26	1521	23	1543	35	1625
Des Moines	107	3779	97	3407	73	3401	60	3358	53	3199	48	3179	70	3113	68	3573	79	3469	55	3581	116	3917
Dickinson	16	1427	17	1367	7	1402	13	1323	13	1315	16	1246	12	1199	12	1277	10	1245	25	1184	15	1274
Dubuque	156	6806	133	6523	135	6221	145	6063	148	5842	116	5635	130	5546	140	6088	201	6262	150	6554	146	6781
Emmet	33	1082	24	1173	7	1141	13	1133	10	1087	11	1064	16	1018	18	1100	17	1110	24	1124	12	1145
Fayette	36	2236	34	2189	35	2222	26	2108	39	2124	25	2026	19	2003	27	2036	17	2072	32	2189	28	2257
Floyd	44	1619	24	1513	22	1524	20	1493	28	1521	32	1483	33	1443	33	1540	27	1630	33	1683	28	1611
Franklin	16	1141	18	991	19	976	21	944	12	900	18	873	19	852	9	821	12	757	8	770	7	810
Fremont	4	820	11	813	22	807	15	812	12	802	10	802	10	721	14	752	12	769	16	780	23	768

Table 1. Public Secondary School Dropouts and Enrollees in Iowa's Counties, 1987-1997 (continued).¹

County	1997 ²		1996		1995		1994		1993		1992		1991		1990		1989		1988		1987	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Greene	7	1021	12	929	7	895	11	842	8	818	13	817	10	776	23	809	14	792	9	828	6	866
Grundy	4	1491	16	1353	17	1322	12	1313	12	1303	8	1047	8	1008	4	1063	8	1090	7	1117	3	1160
Guthrie	10	1174	8	1162	18	1135	8	1098	7	1081	13	1083	16	1101	10	1087	8	1083	20	1122	14	1148
Hamilton	11	1502	21	1440	26	1425	25	1389	23	1406	25	1322	19	1305	20	1380	29	1405	15	1463	16	1498
Hancock	20	1091	9	1032	10	1016	7	1156	7	1102	4	1111	6	1087	7	1053	2	1082	5	1075	5	1072
Hardin	32	1880	37	1797	35	1799	31	1676	33	1685	24	1739	18	1657	18	1764	25	1786	14	1871	21	1905
Harrison	24	1633	20	1607	25	1624	20	1424	22	1380	27	1381	19	1350	24	1391	27	1400	26	1453	26	1525
Henry	23	1825	50	1835	44	1814	32	1760	28	1769	21	1680	27	1636	32	1661	34	1657	18	1670	24	1693
Howard	12	1150	11	1142	11	1147	9	1106	10	1061	3	991	4	970	10	968	7	884	4	922	9	979
Humboldt	5	989	10	956	17	932	7	908	11	866	8	841	7	858	6	839	11	847	11	859	9	891
Ida	3	762	2	724	8	726	14	778	1	664	2	652	6	649	3	689	3	683	6	654	5	657
Iowa	6	1329	12	1264	9	1386	5	1277	6	1244	6	1196	3	1146	11	1125	11	1132	8	1193	6	1250
Jackson	37	1987	38	1783	52	1785	40	1789	28	1751	25	1722	26	1666	30	1721	38	1780	24	1749	27	1848
Jasper	62	3229	30	3055	30	2966	44	2973	56	2949	39	2875	57	2768	114	2948	83	2933	120	3099	99	3124
Jefferson	22	976	22	929	23	829	16	803	33	843	24	795	20	797	23	855	30	866	22	949	18	1001
Johnson	46	5928	58	5443	91	5024	60	4858	64	4705	46	4490	47	4239	177	4636	135	4610	130	4740	94	4869
Jones	49	1782	40	1721	52	1730	47	1727	34	1634	18	1461	22	1471	34	1609	14	1559	28	1606	28	1730
Keokuk	13	1227	13	1177	17	1143	19	1132	13	1073	15	1018	14	1010	6	1042	12	1084	10	1095	12	1095
Kossuth	7	1362	5	1285	6	1255	11	1240	13	1195	9	1131	8	1101	17	1123	11	1101	10	1109	16	1178
Lee	106	3286	128	3068	198	3080	122	3037	94	2912	81	2851	83	2696	88	2993	101	2845	77	2946	103	3044
Linn	139	15082	197	13276	205	13183	153	12837	135	12557	218	12098	149	11930	292	13815	433	14302	331	14150	414	14443
Louisa	29	1380	17	1343	53	1342	27	1314	13	1319	25	1213	24	1179	36	1268	39	1236	37	1298	27	1288
Lucas	17	799	24	754	33	777	16	782	15	754	10	701	12	675	18	714	26	726	25	775	19	761
Lyon	7	1127	13	1140	8	1165	8	1130	5	1031	4	1020	9	972	5	979	2	974	8	998	4	1026
Madison	9	1412	22	1414	16	1386	15	1377	8	1304	9	1217	21	1232	27	1302	14	1268	30	1326	25	1317
Mahaska	37	1622	42	1462	41	1453	81	1410	35	1388	28	1346	28	1370	24	1369	40	1376	39	1420	50	1482
Marion	53	2733	52	2615	54	2516	31	2424	34	2364	38	2347	32	2313	45	2346	32	2380	39	2431	44	2401
Marshall	58	3390	52	3131	41	2941	19	2852	22	2817	45	2795	70	2711	97	3087	109	3083	75	3181	66	3375
Mills	32	1340	24	1247	24	1225	28	1172	25	1160	25	1115	18	1165	20	1179	17	1175	17	1206	14	1193
Mitchell	7	953	8	937	7	898	5	873	10	858	9	843	10	816	14	840	3	903	8	917	1	917
Monona	21	910	27	899	20	847	15	847	19	834	14	832	16	835	14	851	12	848	13	872	13	874
Monroe	13	645	23	639	15	599	13	592	14	590	19	579	12	551	15	591	11	576	15	585	29	611
Montgomery	18	984	15	958	23	953	15	961	13	986	23	963	16	881	16	985	15	971	20	983	22	986
Muscatine	217	3825	194	3513	186	3701	158	3475	114	3446	87	3288	80	3144	86	3253	118	3386	97	3414	83	3413
O'Brien	18	1532	17	1488	14	1465	11	1347	21	1336	16	1295	16	1294	16	1343	20	1322	10	1346	14	1344
Osceola	0	516	3	464	4	460	1	444	7	433	2	408	7	391	9	441	3	433	8	457	3	469

Table 1. Public Secondary School Dropouts and Enrollees in Iowa's Counties, 1987-1997 (continued).¹

County	1997 ²		1996		1995		1994		1993		1992		1991		1990		1989		1988		1987	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Page	38	1764	50	1542	33	1540	32	1508	33	1506	28	1482	41	1454	33	1530	37	1495	37	1485	30	1463
Palo Alto	9	1051	5	1031	11	1024	17	1031	11	1021	11	959	12	955	7	952	18	941	7	935	4	949
Plymouth	14	2261	20	2198	27	2150	7	2077	14	1972	19	1887	24	1788	32	1816	36	1818	9	1800	16	1798
Pocahontas	2	719	9	657	1	634	6	638	6	748	10	729	9	812	13	758	4	779	7	839	2	838
Polk	543	26387	522	25290	644	24316	610	23772	579	23006	820	21952	994	21201	889	23436	952	23710	1064	23888	1082	24939
Pottawattamie	226	8351	144	7324	157	6988	142	6864	120	6633	113	6516	175	6225	255	6421	332	6620	376	6863	348	6877
Poweshiek	14	1536	24	1513	12	1449	30	1427	27	1369	28	1257	31	1252	21	1333	29	1394	34	1498	20	1502
Ringgold	3	520	2	514	6	469	5	441	13	449	10	457	3	413	3	432	8	446	2	459	3	471
Sac	7	1136	16	1123	19	1137	25	1114	19	1098	11	1080	8	1006	7	1025	16	1032	6	1024	12	1052
Scott	433	13866	400	12963	401	13218	453	12594	631	12300	527	12106	540	11811	523	12558	511	12545	526	12996	454	13429
Shelby	13	1310	17	1388	15	1326	16	1337	12	1224	3	1218	8	1083	17	1111	18	1236	19	1200	19	1245
Sioux	16	2201	2	2075	4	2000	10	1929	16	1830	16	1478	13	1614	15	1653	13	1675	14	1673	16	1669
Story	37	5486	50	5143	56	4964	57	4724	58	4617	43	4291	57	4126	48	4155	42	4228	52	4249	45	4263
Tama	26	1443	30	1389	27	1437	39	1432	31	1556	32	1506	21	1468	18	1473	16	1407	11	1624	36	1649
Taylor	5	640	10	600	17	585	4	561	2	538	5	503	4	527	6	540	4	623	2	651	1	655
Union	36	1176	18	1100	39	1101	29	1132	18	1062	20	1082	13	1073	23	1166	14	1166	15	1142	12	1183
Van Buren	13	732	13	682	22	698	8	662	16	644	12	621	9	599	13	639	9	624	6	643	10	657
Wapello	77	3221	107	3016	111	2912	77	3031	110	3011	124	2949	70	2854	62	2932	72	3134	119	3204	64	3301
Warren	85	3725	93	3643	140	3474	81	3400	34	3206	33	3190	45	2960	76	3122	72	3215	59	3309	49	3348
Washington	57	1655	25	1554	46	1593	41	1546	38	1498	41	1465	26	1472	25	1541	23	1549	37	1573	23	1566
Wayne	16	589	22	580	5	560	4	561	5	570	4	592	18	567	12	566	10	582	10	579	2	588
Webster	109	3169	69	2664	86	2642	83	2586	73	2548	72	2557	64	2394	71	2456	110	2573	125	2791	106	2869
Winnebago	23	1428	19	1458	34	1401	25	1276	30	1254	20	1237	14	1182	19	1237	16	1261	14	1225	10	1239
Winneshiek	12	1542	6	1468	9	1382	23	1367	22	1283	17	1209	9	1206	10	1200	8	1270	9	1267	10	1337
Woodbury	266	9215	268	8344	170	7840	297	7639	280	7472	252	7660	287	7203	219	8046	216	7941	203	8836	207	8710
Worth	17	577	11	555	5	535	10	529	9	531	6	515	7	495	12	495	5	525	10	556	5	585
Wright	21	1496	19	1467	19	1472	10	1252	10	1198	10	1201	10	1118	12	1210	14	1204	17	1231	6	1228
State of Iowa	5033	244502	4834	230039	4985	225443	4645	219708	4768	214157	4783	207948	5030	201742	5270	213888	5652	216251	5498	222112	5574	227144

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 "1997" covers the period from 1 July 1996 through 30 June 1997, for example.

Table 2. Percentage of Public Secondary School Dropouts in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	1.7	2.1	1.1	0.5	2.0	0.4	0.6	0.8	0.0	0.0	0.8
Adams	0.6	0.9	0.9	0.9	0.6	4.0	3.0	3.3	0.8	0.8	0.8
Allamakee	0.9	0.7	0.5	0.3	1.4	0.9	2.0	1.0	2.0	0.9	1.2
Appanoose	8.7	4.0	5.0	3.1	3.7	3.7	3.8	3.8	2.9	2.5	4.8
Audubon	1.4	0.2	0.9	1.2	1.1	0.2	1.6	0.0	1.1	0.9	0.3
Benton	2.3	2.4	2.9	1.9	2.2	1.5	1.7	1.8	1.4	1.8	1.1
Black Hawk	4.2	5.8	3.0	3.9	7.0	7.0	6.4	6.4	6.4	5.1	4.6
Boone	1.6	1.3	2.5	2.8	2.5	1.4	1.3	2.0	2.5	1.6	2.3
Bremer	0.9	0.7	0.7	0.5	0.8	0.5	0.7	1.2	0.8	1.0	1.0
Buchanan	2.2	2.0	2.6	2.4	2.7	1.6	1.3	1.4	1.9	1.9	2.4
Buena Vista	1.0	1.9	1.8	1.6	2.3	2.3	2.1	2.0	1.8	1.8	2.0
Butler	0.7	0.5	0.6	0.7	0.5	0.4	1.1	1.0	0.9	0.5	0.7
Calhoun	0.9	0.4	0.9	0.6	0.5	0.3	1.2	0.9	0.8	0.7	0.6
Carroll	0.9	0.7	1.1	1.4	1.1	0.8	0.9	0.9	0.9	1.3	1.3
Cass	2.4	1.3	1.8	1.2	1.5	1.4	1.9	1.3	1.9	1.7	1.4
Cedar	0.5	1.2	1.1	0.8	1.1	1.4	1.4	0.7	0.6	1.1	0.9
Cerro Gordo	3.6	2.7	3.0	4.0	2.2	2.7	3.3	2.2	2.9	1.9	6.8
Cherokee	1.4	0.7	2.0	2.0	0.6	1.4	1.3	1.6	1.5	1.5	0.6
Chickasaw	1.3	1.2	1.6	1.3	0.5	1.4	1.6	0.8	1.3	1.1	1.3
Clarke	3.5	2.7	2.0	2.8	1.1	2.2	1.6	2.8	1.4	0.9	1.6
Clay	2.1	2.8	1.4	2.2	1.1	1.6	1.0	1.2	1.7	1.3	2.6
Clayton	1.2	0.8	0.9	1.1	1.2	0.9	1.7	0.6	1.1	0.9	0.9
Clinton	3.2	3.2	3.9	2.5	2.1	3.3	4.5	2.2	2.6	1.8	2.3
Crawford	2.0	1.1	0.8	1.2	1.0	2.8	1.2	1.4	0.8	0.9	0.6
Dallas	2.6	1.9	2.1	1.9	3.3	2.5	2.4	1.5	1.1	2.4	2.2
Davis	2.7	3.2	3.8	1.7	2.0	1.4	2.1	2.2	1.3	1.6	1.6
Decatur	1.5	1.2	0.7	1.5	2.0	1.7	2.2	2.0	1.8	1.8	1.5
Delaware	1.1	1.4	2.3	1.1	0.8	0.5	1.4	1.2	1.7	1.5	2.2
Des Moines	2.8	2.8	2.1	1.8	1.7	1.5	2.2	1.9	2.3	1.5	3.0
Dickinson	1.1	1.2	0.5	1.0	1.0	1.3	1.0	0.9	0.8	2.1	1.2
Dubuque	2.3	2.0	2.2	2.4	2.5	2.1	2.3	2.3	3.2	2.3	2.2
Emmet	3.0	2.0	0.6	1.1	0.9	1.0	1.6	1.6	1.5	2.1	1.0
Fayette	1.6	1.6	1.6	1.2	1.8	1.2	0.9	1.3	0.8	1.5	1.2
Floyd	2.7	1.6	1.4	1.3	1.8	2.2	2.3	2.1	1.7	2.0	1.7
Franklin	1.4	1.8	1.9	2.2	1.3	2.1	2.2	1.1	1.6	1.0	0.9
Fremont	0.5	1.4	2.7	1.8	1.5	1.2	1.4	1.9	1.6	2.1	3.0
Greene	0.7	1.3	0.8	1.3	1.0	1.6	1.3	2.8	1.8	1.1	0.7
Grundy	0.3	1.2	1.3	0.9	0.9	0.8	0.8	0.4	0.7	0.6	0.3
Guthrie	0.9	0.7	1.6	0.7	0.6	1.2	1.5	0.9	0.7	1.8	1.2
Hamilton	0.7	1.5	1.8	1.8	1.6	1.9	1.5	1.4	2.1	1.0	1.1
Hancock	1.8	0.9	1.0	0.6	0.6	0.4	0.6	0.7	0.2	0.5	0.5
Hardin	1.7	2.1	1.9	1.8	2.0	1.4	1.1	1.0	1.4	0.7	1.1
Harrison	1.5	1.2	1.5	1.4	1.6	2.0	1.4	1.7	1.9	1.8	1.7
Henry	1.3	2.7	2.4	1.8	1.6	1.2	1.7	1.9	2.1	1.1	1.4
Howard	1.0	1.0	1.0	0.8	0.9	0.3	0.4	1.0	0.8	0.4	0.9
Humboldt	0.5	1.0	1.8	0.8	1.3	1.0	0.8	0.7	1.3	1.3	1.0
Ida	0.4	0.3	1.1	1.8	0.2	0.3	0.9	0.4	0.4	0.9	0.8
Iowa	0.5	0.9	0.6	0.4	0.5	0.5	0.3	1.0	1.0	0.7	0.5
Jackson	1.9	2.1	2.9	2.2	1.6	1.4	1.6	1.7	2.1	1.4	1.5
Jasper	1.9	1.0	1.0	1.5	1.9	1.4	2.1	3.9	2.8	3.9	3.2

Table 2. Percentage of Public Secondary School Dropouts in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	2.3	2.4	2.8	2.0	3.9	3.0	2.5	2.7	3.5	2.3	1.8
Johnson	0.8	1.1	1.8	1.2	1.4	1.0	1.1	3.8	2.9	2.7	1.9
Jones	2.7	2.3	3.0	2.7	2.1	1.2	1.5	2.1	0.9	1.7	1.6
Keokuk	1.1	1.1	1.5	1.7	1.2	1.5	1.4	0.6	1.1	0.9	1.1
Kossuth	0.5	0.4	0.5	0.9	1.1	0.8	0.7	1.5	1.0	0.9	1.4
Lee	3.2	4.2	6.4	4.0	3.2	2.8	3.1	2.9	3.6	2.6	3.4
Linn	0.9	1.5	1.6	1.2	1.1	1.8	1.2	2.1	3.0	2.3	2.9
Louisa	2.1	1.3	3.9	2.1	1.0	2.1	2.0	2.8	3.2	2.9	2.1
Lucas	2.1	3.2	4.2	2.0	2.0	1.4	1.8	2.5	3.6	3.2	2.5
Lyon	0.6	1.1	0.7	0.7	0.5	0.4	0.9	0.5	0.2	0.8	0.4
Madison	0.6	1.6	1.2	1.1	0.6	0.7	1.7	2.1	1.1	2.3	1.9
Mahaska	2.3	2.9	2.8	5.7	2.5	2.1	2.0	1.8	2.9	2.7	3.4
Marion	1.9	2.0	2.1	1.3	1.4	1.6	1.4	1.9	1.3	1.6	1.8
Marshall	1.7	1.7	1.4	0.7	0.8	1.6	2.6	3.1	3.5	2.4	2.0
Mills	2.4	1.9	2.0	2.4	2.2	2.2	1.5	1.7	1.4	1.4	1.2
Mitchell	0.7	0.9	0.8	0.6	1.2	1.1	1.2	1.7	0.3	0.9	0.1
Monona	2.3	3.0	2.4	1.8	2.3	1.7	1.9	1.6	1.4	1.5	1.5
Monroe	2.0	3.6	2.5	2.2	2.4	3.3	2.2	2.5	1.9	2.6	4.7
Montgomery	1.8	1.6	2.4	1.6	1.3	2.4	1.8	1.6	1.5	2.0	2.2
Muscatine	5.7	5.5	5.0	4.5	3.3	2.6	2.5	2.6	3.5	2.8	2.4
O'Brien	1.2	1.1	1.0	0.8	1.6	1.2	1.2	1.2	1.5	0.7	1.0
Osceola	0.0	0.6	0.9	0.2	1.6	0.5	1.8	2.0	0.7	1.8	0.6
Page	2.2	3.2	2.1	2.1	2.2	1.9	2.8	2.2	2.5	2.5	2.1
Palo Alto	0.9	0.5	1.1	1.6	1.1	1.2	1.3	0.7	1.9	0.7	0.4
Plymouth	0.6	0.9	1.3	0.3	0.7	1.0	1.3	1.8	2.0	0.5	0.9
Pocahontas	0.3	1.4	0.2	0.9	0.8	1.4	1.1	1.7	0.5	0.8	0.2
Polk	2.1	2.1	2.6	2.6	2.5	3.7	4.7	3.8	4.0	4.5	4.3
Pottawattamie	2.7	2.0	2.2	2.1	1.8	1.7	2.8	4.0	5.0	5.5	5.1
Poweshiek	0.9	1.6	0.8	2.1	2.0	2.2	2.5	1.6	2.1	2.3	1.3
Ringgold	0.6	0.4	1.3	1.1	2.9	2.2	0.7	0.7	1.8	0.4	0.6
Sac	0.6	1.4	1.7	2.2	1.7	1.0	0.8	0.7	1.6	0.6	1.1
Scott	3.1	3.1	3.0	3.6	5.1	4.4	4.6	4.2	4.1	4.0	3.4
Shelby	1.0	1.2	1.1	1.2	1.0	0.2	0.7	1.5	1.5	1.6	1.5
Sioux	0.7	0.1	0.2	0.5	0.9	1.1	0.8	0.9	0.8	0.8	1.0
Story	0.7	1.0	1.1	1.2	1.3	1.0	1.4	1.2	1.0	1.2	1.1
Tama	1.8	2.2	1.9	2.7	2.0	2.1	1.4	1.2	1.1	0.7	2.2
Taylor	0.8	1.7	2.9	0.7	0.4	1.0	0.8	1.1	0.6	0.3	0.2
Union	3.1	1.6	3.5	2.6	1.7	1.8	1.2	2.0	1.2	1.3	1.0
Van Buren	1.8	1.9	3.2	1.2	2.5	1.9	1.5	2.0	1.4	0.9	1.5
Wapello	2.4	3.5	3.8	2.5	3.7	4.2	2.5	2.1	2.3	3.7	1.9
Warren	2.3	2.6	4.0	2.4	1.1	1.0	1.5	2.4	2.2	1.8	1.5
Washington	3.4	1.6	2.9	2.7	2.5	2.8	1.8	1.6	1.5	2.4	1.5
Wayne	2.7	3.8	0.9	0.7	0.9	0.7	3.2	2.1	1.7	1.7	0.3
Webster	3.4	2.6	3.3	3.2	2.9	2.8	2.7	2.9	4.3	4.5	3.7
Winnebago	1.6	1.3	2.4	2.0	2.4	1.6	1.2	1.5	1.3	1.1	0.8
Winneshiek	0.8	0.4	0.7	1.7	1.7	1.4	0.7	0.8	0.6	0.7	0.7
Woodbury	2.9	3.2	2.2	3.9	3.7	3.3	4.0	2.7	2.7	2.3	2.4
Worth	2.9	2.0	0.9	1.9	1.7	1.2	1.4	2.4	1.0	1.8	0.9
Wright	1.4	1.3	1.3	0.8	0.8	0.8	0.9	1.0	1.2	1.4	0.5
State of Iowa	2.1	2.1	2.2	2.1	2.2	2.3	2.5	2.5	2.6	2.5	2.5

Figure 1. Dropouts from public secondary schools in Iowa, 1980-1997.

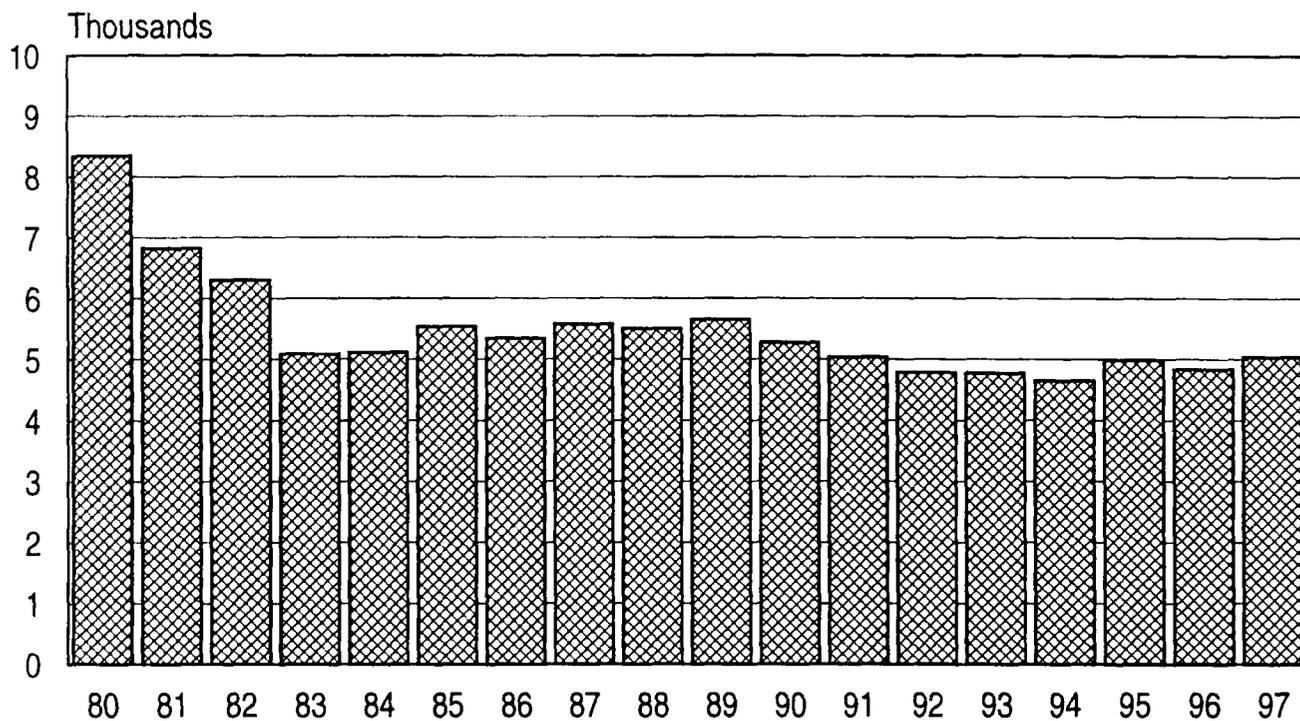
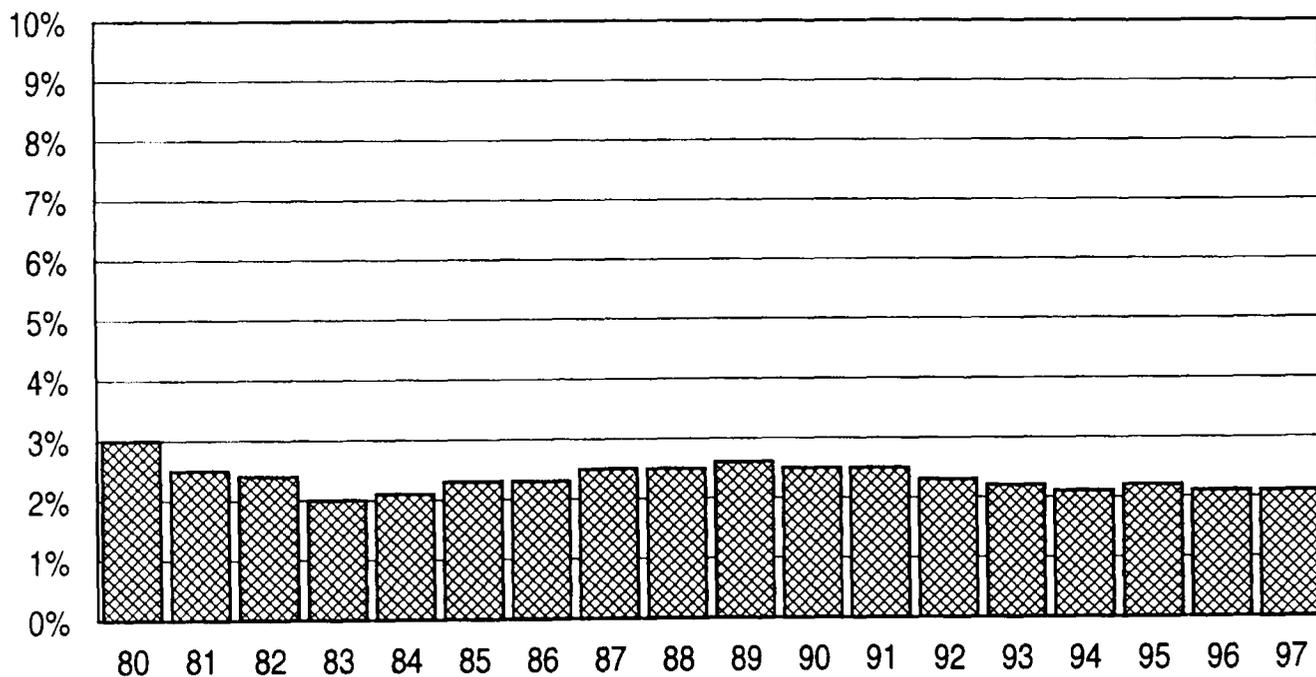


Figure 2. Dropouts as percent of public secondary school enrollees in Iowa, 1980-1997.



Students Receiving Free or Reduced-Price School Meals in Iowa's Counties: 1987-1988 – 1997-1998

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Nutrition assistance is provided to low-income students enrolled in Iowa's schools. Students qualify for the program on the basis of family income; those with lower income (135% or less of federal poverty threshold) can be eligible for free meals while others with somewhat higher income (136% through 180% of federal poverty threshold) 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 1987-1988 through 1997-1998. Data from monthly reports were used, but the reports available varied from one year to the next by month and by number (2-5). Information on the meal program is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Changes have been made in the eligibility requirements for the program throughout the period; they may have some effect on year-to-year comparisons.

Free Meals

In the 1987-1988 school year, more than 96,000 students in Iowa received free meals at school (Table 1). By 1989-1990, however, that number had been reduced significantly to 89,000, the lowest number of the years studied; it then increased steadily to more than 111,000 in 1997-1998, the highest figure across the period examined.

During the 1997-1998 school year, Black Hawk, Linn, Polk, Scott, and Woodbury averaged at least 5,000 students receiving free meals each month. Eighteen other counties had at least 1,000 such students. All counties except Adams and Osceola averaged at least 200 monthly.

The number of students receiving free meals during the 1997-1998 school year was more than 15,000 higher than 10 years earlier in 1987-1988. Fifty-six counties also had more students in the program in 1997-1998 than in 1987-1988. Linn, Polk, Pottawattamie, Scott, and Woodbury had increases greater than 1,000, with Polk's gain of nearly 5,000 substantially higher than all others; another 27 increased by at least 100. Of the 43 counties with fewer students in the program in 1997-1998 than 10 years earlier, 25 dropped by at least 50; Clay and Plymouth were the only counties with declines greater than 200, however.

Reduced-Price Meals

The number of students in Iowa receiving reduced-price meals did not vary as much throughout the period as the number getting free meals (Table 2), although it has increased each year since 1988-1989. In 1997-1998, an average of nearly 37,000 students received reduced-price meals each month. This was the highest statewide average for reduced-priced meals during the period examined. For 1997-

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998.

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Adair	265	314	317	311	326	312	289	304	238	212	253
Adams	189	196	197	193	187	173	156	161	162	175	149
Allamakee	609	579	607	598	553	572	515	481	491	505	580
Appanoose	893	880	880	855	835	829	842	844	811	819	940
Audubon	201	219	216	221	227	212	248	232	194	200	239
Benton	722	734	705	734	742	806	828	843	822	747	767
Black Hawk	6054	5581	5683	5694	5244	5081	5016	4835	4828	4931	5291
Boone	660	642	591	606	590	599	566	511	510	526	546
Bremer	749	774	791	789	727	747	691	645	603	675	854
Buchanan	662	679	692	733	762	762	792	724	694	733	779
Buena Vista	1172	1105	1090	1168	987	833	783	743	704	674	686
Butler	365	360	395	502	511	486	499	455	484	444	515
Calhoun	473	538	529	523	516	519	495	451	363	420	466
Carroll	725	1029	826	738	497	613	754	654	743	711	718
Cass	635	718	690	734	709	678	699	617	648	656	682
Cedar	496	542	525	471	476	478	441	368	392	411	434
Cerro Gordo	1492	1548	1492	1496	1434	1427	1341	1321	1267	1289	1338
Cherokee	378	395	483	520	540	519	496	465	462	506	539
Chickasaw	411	406	383	416	468	413	433	403	408	433	474
Clarke	497	540	526	517	515	528	451	390	383	439	502
Clay	455	432	522	560	567	518	623	592	578	611	689
Clayton	798	801	815	820	689	593	668	667	553	674	736
Clinton	1775	1803	1740	1752	1714	1649	1541	1484	1483	1549	1612
Crawford	764	749	755	749	748	681	728	744	799	723	779
Dallas	1224	1187	1137	1002	953	1098	948	835	790	757	843
Davis	304	350	308	340	358	376	357	330	310	306	383
Decatur	615	597	518	531	565	562	525	484	470	464	465
Delaware	719	720	708	689	703	694	642	619	631	679	659
Des Moines	1825	1714	1654	1572	1520	1462	1559	1535	1448	1499	1472
Dickinson	424	443	408	443	431	391	421	430	457	505	528
Dubuque	3230	3243	3116	3008	3007	2899	2835	2731	2813	2894	3157
Emmet	703	650	706	749	651	561	589	534	571	632	623
Fayette	1010	1012	945	1032	1039	972	970	953	943	954	1076
Floyd	878	827	894	904	940	888	893	888	852	918	993
Franklin	404	435	412	367	347	356	376	327	350	340	337
Fremont	392	400	347	396	369	425	375	335	333	279	374
Greene	474	513	463	471	426	409	425	391	342	383	352
Grundy	431	451	373	367	394	396	305	276	244	229	277
Guthrie	481	480	500	519	487	505	503	464	428	480	587
Hamilton	534	526	576	580	566	596	551	534	492	508	558
Hancock	364	399	388	427	447	441	470	407	357	347	410
Hardin	1063	1090	1087	1035	1046	1050	1106	1007	1062	960	1004
Harrison	809	786	781	806	664	728	744	687	652	665	706
Henry	710	698	621	558	641	641	639	571	532	492	522
Howard	402	404	458	496	520	473	479	431	443	515	532
Humboldt	295	298	312	297	323	303	305	289	305	311	369
Ida	286	272	310	309	301	334	257	243	234	245	294
Iowa	363	386	349	401	411	375	334	347	306	308	349
Jackson	791	804	761	860	821	783	797	756	784	817	885
Jasper	1008	990	919	968	904	832	841	747	753	720	791

*The number of months used varies from two to five; months change across some years because of data availability.

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998 (continued).

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Jefferson	382	372	351	320	291	326	302	283	263	257	281
Johnson	1771	1714	1582	1475	1376	1379	1292	1243	1208	1198	1241
Jones	741	729	710	682	669	620	594	580	583	602	603
Keokuk	540	582	515	479	529	537	514	500	475	421	490
Kossuth	664	667	722	779	789	729	705	613	590	598	713
Lee	1834	1661	1615	1715	1728	1397	1363	1238	1209	1266	1334
Linn	5970	5888	5625	5752	5712	5627	5446	5096	4659	4669	4874
Louisa	850	786	755	615	646	606	514	514	482	416	445
Lucas	474	470	444	420	408	376	334	293	281	297	326
Lyon	317	333	420	352	372	392	366	319	367	414	479
Madison	395	399	427	439	484	476	472	410	445	437	448
Mahaska	790	790	798	791	885	831	814	792	788	826	901
Marion	890	867	946	939	863	863	820	741	654	753	791
Marshall	1922	1757	1639	1569	1563	1435	1380	1297	1155	1128	1174
Mills	657	607	555	540	557	532	511	425	444	440	444
Mitchell	301	314	341	322	339	339	340	324	313	353	423
Monona	448	463	454	430	484	509	534	573	539	576	585
Monroe	380	386	383	391	367	365	364	358	321	349	389
Montgomery	525	508	436	404	369	401	388	338	345	331	365
Muscatine	1878	1860	1818	1854	1837	1918	1836	1766	1587	1514	1492
O'Brien	551	585	619	626	570	543	522	469	453	501	564
Osceola	166	194	148	169	168	162	172	145	163	155	173
Page	739	799	745	769	801	750	615	584	604	565	653
Palo Alto	437	456	503	506	595	600	565	579	532	557	625
Plymouth	590	682	688	678	620	643	680	606	750	803	830
Pocahontas	306	307	370	294	308	421	392	383	307	314	355
Polk	14213	13555	12719	12053	11088	10857	10257	9244	8691	8746	9288
Pottawattamie	4704	4827	4545	4493	4227	3944	3747	3399	3112	3091	3206
Poweshiek	508	481	455	482	470	502	445	423	365	371	399
Ringgold	342	374	383	371	344	324	358	302	315	317	312
Sac	499	534	586	612	595	551	572	517	524	546	572
Scott	7531	7526	7184	6845	6749	6533	6415	5859	5884	5607	5754
Shelby	590	618	689	675	653	644	555	493	441	435	489
Sioux	1099	1105	1196	1085	1023	1073	1008	989	989	1050	1246
Story	1482	1486	1443	1438	1333	1313	1302	1251	1213	1220	1287
Tama	778	755	719	856	847	976	879	785	720	757	820
Taylor	414	395	378	394	388	392	381	384	371	394	445
Union	617	654	646	624	606	609	554	542	541	550	555
Van Buren	366	360	394	392	404	372	354	342	337	333	335
Wapello	2089	1986	1954	1977	1894	1874	1944	1967	2034	2050	2166
Warren	839	852	821	864	817	798	744	645	604	628	868
Washington	638	675	630	587	536	505	545	536	533	518	562
Wayne	423	405	405	448	424	419	365	330	343	356	359
Webster	1539	1633	1516	1633	1790	1634	1514	1533	1481	1516	1592
Winnebago	470	448	458	420	395	403	361	404	356	347	378
Winneshiek	507	509	492	498	542	504	490	482	491	529	534
Woodbury	5249	5111	4729	4579	4420	4496	4430	4211	3994	4070	4111
Worth	218	241	245	252	206	232	198	191	193	181	195
Wright	650	623	612	594	514	486	424	439	410	390	471
State of Iowa	111464	110570	107308	106313	102994	100798	97820	91826	88983	90009	96058

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998.

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Adair	124	145	139	122	128	121	110	73	92	106	111
Adams	68	65	60	78	62	59	61	52	48	65	59
Allamakee	280	284	256	279	275	252	269	256	225	205	188
Appanoose	209	215	190	172	200	195	191	176	182	171	139
Audubon	99	82	111	87	100	78	91	84	61	64	61
Benton	282	289	283	257	260	291	292	293	213	263	326
Black Hawk	1400	1267	1074	1061	1218	1177	1142	1152	985	1004	1068
Boone	243	250	249	205	223	226	224	222	233	206	198
Bremer	267	334	324	305	316	308	287	305	294	278	254
Buchanan	212	215	203	243	201	201	216	196	218	177	192
Buena Vista	445	415	489	417	408	315	290	271	229	215	287
Butler	130	157	198	195	220	243	220	248	151	178	167
Calhoun	223	205	236	239	263	260	207	167	196	147	165
Carroll	340	473	401	401	267	327	416	355	335	348	332
Cass	241	242	237	252	243	269	203	271	222	250	243
Cedar	224	196	174	189	160	195	188	179	178	179	177
Cerro Gordo	615	577	579	579	527	488	457	437	433	476	486
Cherokee	199	163	216	220	224	233	192	185	184	192	189
Chickasaw	222	221	254	209	186	189	168	197	202	169	186
Clarke	189	166	136	163	164	135	113	108	88	96	75
Clay	264	297	216	237	257	268	316	292	284	230	223
Clayton	390	396	361	309	259	263	276	313	240	251	231
Clinton	480	411	377	369	403	418	331	367	342	291	287
Crawford	320	340	247	288	341	322	347	299	277	280	279
Dallas	425	399	407	395	412	440	387	380	287	279	325
Davis	101	107	101	128	134	103	102	97	97	92	88
Decatur	165	175	163	153	148	134	127	118	105	109	115
Delaware	265	228	217	191	200	189	191	170	154	149	123
Des Moines	467	418	374	324	348	317	339	335	317	332	377
Dickinson	195	171	206	183	196	194	204	154	164	145	129
Dubuque	1274	1287	1224	1243	1184	1224	1101	1058	958	936	996
Emmet	200	183	195	215	204	206	244	216	201	192	227
Fayette	418	370	430	383	361	361	321	275	250	254	252
Floyd	294	288	253	261	237	245	230	226	240	229	264
Franklin	169	187	177	162	186	218	169	194	155	149	169
Fremont	171	147	184	173	143	170	142	136	108	95	117
Greene	258	204	210	205	197	196	195	163	173	205	189
Grundy	257	217	204	235	178	204	125	122	119	129	135
Guthrie	218	200	183	170	199	220	191	158	151	169	158
Hamilton	238	262	256	277	261	243	237	221	189	174	203
Hancock	197	199	211	172	213	191	194	236	186	193	200
Hardin	303	258	312	292	282	282	243	268	233	274	253
Harrison	336	324	317	299	240	277	261	242	241	245	231
Henry	275	236	243	188	213	230	223	173	167	182	173
Howard	242	271	264	325	275	271	263	218	166	161	161
Humboldt	162	165	158	196	184	178	188	170	151	169	185
Ida	141	193	147	174	178	150	152	163	140	150	148
Iowa	208	182	181	202	182	206	221	220	165	167	163
Jackson	355	341	327	261	298	268	275	223	205	191	170
Jasper	345	353	283	299	322	313	251	261	218	195	192

*The number of months used varies from two to five; months change across some years because of data availability.

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998 (continued).

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Jefferson	108	85	76	63	86	96	80	55	68	74	57
Johnson	438	435	452	378	388	395	370	399	382	346	322
Jones	274	278	233	274	258	219	254	244	207	162	192
Keokuk	157	129	146	161	130	150	162	152	143	120	110
Kossuth	454	426	409	392	317	350	248	242	251	286	290
Lee	436	376	374	324	316	295	280	270	261	285	315
Linn	1974	1802	1705	1757	1753	1556	1512	1476	1250	1246	1297
Louisa	161	165	182	177	144	123	121	111	115	138	104
Lucas	113	116	102	89	86	96	85	104	97	105	95
Lyon	179	198	154	184	182	168	170	145	213	223	208
Madison	162	220	194	186	189	200	207	247	200	228	254
Mahaska	183	229	222	275	245	222	222	241	235	219	180
Marion	400	379	285	336	293	332	378	349	328	261	266
Marshall	505	488	450	392	380	439	422	355	332	320	349
Mills	205	232	183	189	177	162	154	188	117	67	118
Mitchell	143	161	139	183	178	183	149	166	174	156	206
Monona	142	158	133	166	170	149	142	138	132	112	120
Monroe	135	108	85	91	113	126	89	92	97	100	84
Montgomery	141	111	101	91	110	95	103	91	110	126	125
Muscatine	460	466	492	438	489	533	402	417	347	384	384
O'Brien	314	280	287	305	308	261	277	310	246	242	209
Osceola	105	84	104	113	111	123	90	100	94	83	85
Page	168	158	162	209	213	207	190	210	208	204	192
Palo Alto	237	198	198	238	200	188	197	193	169	168	161
Plymouth	340	331	361	348	352	357	339	273	341	317	342
Pocahontas	138	146	108	154	166	178	165	159	174	149	156
Polk	3955	3473	3344	3036	2807	2776	2675	2638	2393	2538	2359
Pottawattamie	1316	1330	1151	1142	1086	989	866	822	832	811	848
Poweshiek	212	212	166	160	140	150	141	132	145	100	94
Ringgold	99	78	68	75	96	99	97	94	71	80	72
Sac	241	231	260	244	255	236	261	202	234	232	266
Scott	1316	1356	1233	1129	1075	1099	1007	996	918	923	842
Shelby	294	322	310	306	295	266	228	181	180	160	155
Sioux	795	783	808	776	761	745	747	683	663	633	601
Story	505	541	476	436	452	448	477	499	405	437	440
Tama	315	309	270	246	321	331	293	298	320	261	258
Taylor	134	138	138	124	109	104	114	96	100	118	105
Union	252	273	270	194	207	234	218	167	177	159	186
Van Buren	130	143	126	120	102	110	98	107	92	80	96
Wapello	520	577	504	430	485	462	438	417	334	388	363
Warren	447	399	339	349	324	285	279	249	292	264	259
Washington	268	221	198	249	281	213	225	186	140	170	156
Wayne	140	167	159	121	110	105	88	111	70	64	85
Webster	507	519	521	554	512	494	494	456	491	497	476
Winnebago	224	230	232	195	193	221	209	168	151	131	121
Winneshiek	246	225	223	235	229	234	218	231	197	201	197
Woodbury	1504	1432	1334	1173	1090	1178	1184	1096	894	887	929
Worth	106	100	98	129	115	92	118	109	94	97	96
Wright	238	237	241	247	207	185	210	190	208	199	171
State of Iowa	36978	35822	34037	33166	32484	32125	30677	29551	27140	26953	27063

Table 3. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998.

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Adair	31.2	35.8	35.2	33.7	36.8	35.4	33.6	32.2	29.2	28.5	30.9
Adams	35.4	36.0	34.9	36.4	34.6	32.2	30.9	30.0	28.3	31.3	26.4
Allamakee	30.4	29.5	29.5	29.9	28.6	28.2	26.8	25.4	24.7	24.3	25.9
Appanoose	43.3	42.2	40.9	41.2	39.7	38.9	39.1	39.2	38.1	37.9	40.1
Audubon	26.4	26.0	28.0	26.3	27.7	27.3	28.7	27.2	21.6	22.1	24.3
Benton	22.6	23.1	22.7	23.0	23.5	24.0	24.7	25.2	23.0	23.2	25.3
Black Hawk	33.6	31.2	31.8	31.7	30.0	30.4	29.3	28.3	28.2	28.6	30.7
Boone	20.9	20.4	19.9	19.6	20.0	20.5	19.6	18.7	19.0	19.1	19.4
Bremer	19.1	19.8	19.3	19.3	18.8	19.2	18.2	17.8	16.8	18.0	21.5
Buchanan	24.9	25.3	24.8	26.6	26.4	26.2	27.8	25.3	26.5	26.7	29.5
Buena Vista	37.3	35.3	36.2	36.6	33.4	30.5	29.6	28.8	27.8	26.4	29.3
Butler	22.6	23.4	23.9	25.5	27.3	27.4	27.0	26.7	24.1	22.7	25.0
Calhoun	27.6	28.8	28.9	28.3	28.3	29.6	27.3	25.4	23.5	24.1	26.3
Carroll	21.3	30.0	24.6	23.4	22.3	22.6	24.7	24.1	22.7	24.7	25.5
Cass	30.2	31.9	30.7	32.3	31.6	30.5	29.3	28.0	27.4	28.6	28.9
Cedar	19.4	20.2	19.0	19.3	18.1	18.7	17.5	15.5	16.3	16.7	17.8
Cerro Gordo	26.4	26.4	25.6	25.5	25.1	26.3	24.3	23.8	22.4	23.6	24.1
Cherokee	24.0	22.7	25.0	25.6	26.0	25.5	24.6	23.7	23.0	25.2	26.1
Chickasaw	22.7	24.8	25.2	25.1	26.5	24.4	24.3	24.3	24.4	23.6	26.0
Clarke	37.6	38.6	36.2	38.2	39.0	37.7	31.7	29.6	28.9	32.4	22.1
Clay	23.4	23.6	23.7	25.7	25.9	28.3	26.3	25.7	25.4	25.4	28.6
Clayton	30.7	30.5	29.8	28.8	27.7	25.7	26.0	25.1	23.3	25.3	28.0
Clinton	25.1	24.3	23.0	22.7	22.9	21.9	20.0	20.1	19.8	20.2	20.3
Crawford	37.0	37.2	34.2	34.5	33.6	31.1	30.6	29.6	29.6	27.0	27.7
Dallas	20.1	19.8	19.8	19.9	19.5	22.6	20.3	19.2	17.8	17.1	19.9
Davis	31.6	34.4	30.9	38.8	35.6	34.1	32.6	29.7	28.8	28.1	33.2
Decatur	51.9	52.5	47.3	46.8	48.1	46.9	43.8	40.8	39.5	39.0	38.5
Delaware	24.4	23.2	22.5	21.8	22.2	22.5	21.8	21.0	21.5	23.0	22.7
Des Moines	29.7	28.2	26.5	25.3	24.0	23.1	24.3	24.2	23.1	23.8	23.8
Dickinson	21.8	21.5	21.8	22.1	22.7	21.0	23.4	21.5	23.1	24.6	25.4
Dubuque	25.0	24.8	23.3	23.3	23.0	22.7	21.6	21.6	21.4	21.5	23.1
Emmet	38.9	36.5	38.3	39.6	36.7	35.3	35.9	32.7	33.3	35.4	36.9
Fayette	30.4	29.5	29.9	30.2	30.1	28.6	28.1	25.9	25.6	26.1	28.8
Floyd	35.1	32.9	34.0	35.1	35.3	33.7	33.2	33.3	32.7	34.3	36.2
Franklin	29.0	30.0	28.6	29.0	29.1	31.0	29.7	28.7	28.9	28.9	30.5
Fremont	35.0	33.3	32.2	33.6	34.1	35.4	30.7	27.9	26.5	27.2	28.9
Greene	36.0	36.0	35.8	35.9	34.7	32.9	34.0	31.7	29.8	33.4	30.9
Grundy	22.9	21.8	20.7	21.7	20.8	21.9	18.8	17.6	13.8	14.8	17.5
Guthrie	30.0	29.3	29.1	29.4	30.9	29.8	28.2	25.8	24.1	26.9	29.4
Hamilton	24.7	25.0	26.0	27.4	26.6	26.8	25.4	24.9	22.4	22.1	25.4
Hancock	26.2	27.7	28.4	27.9	27.9	26.7	27.2	27.1	23.3	23.2	25.4
Hardin	35.8	34.5	35.2	35.4	34.6	34.6	32.5	31.2	31.5	30.3	31.1
Harrison	33.8	32.5	32.7	32.9	33.2	32.9	33.1	31.1	30.0	30.5	30.7
Henry	26.0	24.3	22.8	23.6	22.0	22.6	22.7	20.0	19.4	18.9	19.3
Howard	28.2	29.3	31.1	34.1	34.1	31.6	31.8	28.1	26.8	29.7	30.1
Humboldt	23.2	24.0	23.7	25.0	25.4	24.1	25.1	23.4	23.2	24.6	28.0
Ida	28.6	30.2	30.0	30.6	30.0	30.6	26.1	26.7	26.2	27.4	31.5
Iowa	19.1	19.0	17.5	18.7	19.2	19.2	17.7	19.1	17.0	17.5	18.9
Jackson	27.5	27.1	25.6	26.2	26.2	24.7	25.4	24.2	23.9	23.9	24.8
Jasper	20.9	20.7	18.4	19.8	19.2	17.8	16.9	15.9	15.1	14.9	15.9

*The number of months used varies from two to five; months change across some years because of data availability.

Table 3. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998 (continued).

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Jefferson	23.0	22.2	21.8	21.0	20.7	22.8	21.2	19.1	18.4	18.1	18.5
Johnson	16.3	16.1	15.5	15.3	14.8	15.7	14.8	15.0	14.7	14.6	14.7
Jones	27.5	27.5	25.5	25.5	24.9	23.7	24.4	24.0	23.3	22.5	23.4
Keokuk	28.1	28.3	26.8	26.3	27.2	28.6	27.9	26.8	25.3	22.2	24.6
Kossuth	31.8	30.6	31.4	32.5	31.4	31.0	26.6	24.8	24.2	24.5	28.3
Lee	31.7	28.0	26.9	27.3	27.3	23.4	22.5	21.8	20.7	21.8	22.0
Linn	22.4	22.0	21.2	22.3	22.8	22.3	21.8	22.0	20.5	20.3	20.8
Louisa	34.0	31.8	31.1	29.5	28.1	26.4	23.6	22.9	21.9	20.8	21.1
Lucas	35.9	35.4	34.2	32.3	30.5	30.0	26.9	25.1	24.0	25.5	26.0
Lyon	22.4	23.1	24.5	22.3	23.5	23.6	23.1	22.8	25.0	27.1	29.1
Madison	19.0	21.5	21.6	22.1	24.1	24.2	24.1	23.3	22.7	23.4	24.9
Mahaska	28.1	29.2	29.7	30.7	32.5	30.1	30.3	30.0	30.1	30.6	32.1
Marion	20.2	19.6	19.2	20.2	20.0	19.8	19.8	18.7	17.8	18.3	19.3
Marshall	35.8	33.3	31.2	29.9	29.9	28.8	26.6	25.1	22.6	23.0	23.4
Mills	31.2	30.6	28.1	28.1	27.9	26.4	25.7	23.6	21.4	19.2	21.1
Mitchell	22.0	22.9	23.4	24.7	25.4	25.9	24.4	24.8	24.4	25.2	30.9
Monona	33.7	34.2	31.8	33.4	35.0	34.5	35.6	37.6	34.9	36.0	37.5
Monroe	38.5	36.7	34.6	36.3	36.5	36.8	34.2	34.2	32.3	35.2	35.3
Montgomery	33.0	31.3	27.4	24.9	24.0	24.7	24.4	21.6	22.0	23.0	23.1
Muscatine	30.9	30.4	30.5	30.1	30.6	31.9	29.8	30.0	26.6	26.3	26.0
O'Brien	26.7	26.3	26.9	27.7	26.5	26.0	24.9	24.3	22.6	23.9	25.4
Osceola	25.3	25.6	25.6	28.1	28.4	28.6	27.1	26.5	25.3	25.3	26.7
Page	29.4	29.6	28.3	30.3	32.0	29.9	26.5	26.4	25.6	25.0	27.4
Palo Alto	30.8	29.4	31.0	32.8	34.2	33.6	33.2	33.3	30.3	32.2	35.5
Plymouth	16.9	18.0	19.0	18.8	18.4	19.3	19.5	19.8	21.9	22.4	23.7
Pocahontas	28.2	29.2	29.7	28.6	30.6	32.0	29.9	30.1	26.9	26.6	28.9
Polk	27.4	26.4	25.1	24.1	22.9	22.7	23.3	22.2	21.0	22.2	23.0
Pottawattamie	33.6	34.3	33.5	33.9	32.5	30.5	28.8	26.9	25.8	25.3	26.2
Poweshiek	23.4	21.4	20.0	21.5	20.5	22.0	20.5	19.9	18.1	16.5	17.1
Ringgold	43.2	43.0	43.0	44.9	43.9	42.3	44.5	40.2	38.4	39.9	38.7
Sac	31.9	32.9	35.8	35.8	35.7	33.6	34.7	30.1	31.4	32.9	36.0
Scott	29.4	28.8	27.7	28.0	27.2	26.5	25.9	24.1	24.1	23.6	23.7
Shelby	31.2	33.0	32.7	32.4	31.8	30.1	28.9	25.7	23.9	23.1	24.8
Sioux	26.3	25.9	27.4	26.8	26.6	26.4	25.6	24.8	25.6	25.9	28.9
Story	18.6	19.0	18.2	18.2	17.5	17.7	17.8	18.3	17.2	17.8	18.8
Tama	34.3	33.2	31.2	34.7	36.2	35.8	34.5	31.7	30.3	29.3	30.2
Taylor	40.8	41.0	39.8	40.5	38.9	39.0	38.2	34.9	34.7	36.2	40.4
Union	36.9	40.0	39.2	36.3	36.0	36.3	33.1	30.9	30.2	29.4	30.8
Van Buren	34.3	34.9	35.5	34.7	34.6	33.6	32.2	32.1	30.6	29.4	30.1
Wapello	38.8	37.8	36.7	35.9	35.5	34.5	35.4	35.6	36.1	36.4	37.4
Warren	17.1	17.1	15.4	17.3	16.3	15.9	15.2	13.3	13.5	13.8	17.2
Washington	23.8	23.6	22.1	22.0	21.9	19.5	20.9	19.8	18.7	18.7	19.6
Wayne	47.0	44.3	45.7	45.7	43.6	42.2	38.1	36.3	34.6	35.2	37.1
Webster	30.6	31.4	30.2	31.9	33.6	30.8	29.8	29.7	30.2	29.8	31.2
Winnebago	24.2	23.5	23.3	21.5	20.7	22.0	20.3	20.5	18.4	17.0	17.9
Winneshiek	22.6	21.9	22.0	22.5	23.3	22.1	21.8	22.4	21.7	22.7	23.5
Woodbury	32.6	32.0	30.9	30.6	30.0	30.6	30.5	28.8	27.3	27.5	28.3
Worth	27.8	29.3	29.6	33.0	28.4	28.0	27.5	27.0	25.7	24.1	25.2
Wright	29.4	28.0	27.5	26.7	24.9	24.6	23.6	24.4	23.6	22.3	24.5
State of Iowa	27.6	27.2	26.4	26.6	26.2	25.8	25.2	24.4	23.5	23.8	25.0

Table 4. Average Number Enrolled in Schools in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998.

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Adair	1283	1293	1285	1232	1221	1188	1172	1130	1115	1179	1245
Adams	726	734	744	720	720	704	709	741	766	789	726
Allamakee	2925	2926	2938	2899	2926	2929	2905	2903	2920	2965	2925
Appanoose	2595	2619	2497	2609	2635	2645	2603	2607	2613	2693	2547
Audubon	1157	1170	1171	1180	1067	1181	1161	1179	1192	1234	1136
Benton	4426	4355	4315	4270	4570	4534	4500	4492	4351	4314	4443
Black Hawk	21951	21255	21319	21534	20615	21025	21120	20642	20769	20708	22191
Boone	4379	4214	4133	4077	4020	4034	3922	3905	3838	3830	4323
Bremer	5600	5763	5671	5537	5497	5382	5326	5340	5295	5154	5307
Buchanan	3539	3606	3671	3656	3675	3629	3633	3437	3408	3291	3506
Buena Vista	4311	4355	4329	4179	3765	3619	3516	3360	3362	3322	4332
Butler	2208	2478	2733	2674	2664	2669	2636	2635	2735	2728	2193
Calhoun	2580	2644	2690	2749	2634	2571	2431	2382	2349	2403	2526
Carroll	5002	4996	4871	3422	4159	4734	4193	4741	4288	4124	4990
Cass	3014	3022	3055	3017	3103	3083	3174	3173	3169	3198	2898
Cedar	3661	3674	3413	3515	3593	3603	3519	3499	3533	3438	3702
Cerro Gordo	8056	8083	8124	7799	7293	7404	7400	7591	7494	7569	7980
Cherokee	2463	2798	2894	2934	2950	2790	2738	2805	2772	2788	2409
Chickasaw	2530	2525	2494	2465	2470	2468	2472	2498	2550	2537	2785
Clarke	1827	1827	1781	1742	1760	1781	1682	1630	1652	2609	1823
Clay	3089	3110	3104	3178	2777	3577	3434	3392	3314	3193	3069
Clayton	3930	3942	3915	3419	3329	3628	3904	3398	3662	3454	3866
Clinton	9118	9199	9333	9243	9426	9364	9188	9234	9098	9374	8995
Crawford	2928	2925	3005	3238	3225	3511	3521	3631	3712	3814	2930
Dallas	8022	7806	7015	7011	6808	6576	6323	6037	6043	5880	8215
Davis	1327	1323	1207	1381	1409	1411	1437	1412	1415	1418	1282
Decatur	1471	1439	1461	1482	1484	1489	1474	1457	1471	1507	1502
Delaware	4094	4110	4034	4057	3924	3829	3756	3643	3604	3452	4039
Des Moines	7552	7664	7497	7793	7709	7796	7729	7647	7693	7765	7717
Dickinson	2856	2818	2833	2763	2785	2665	2712	2690	2643	2586	2833
Dubuque	18296	18628	18246	18205	18129	18188	17523	17622	17787	17991	18028
Emmet	2283	2353	2439	2332	2177	2318	2292	2321	2326	2301	2321
Fayette	4690	4595	4687	4653	4668	4588	4734	4652	4624	4607	4699
Floyd	3391	3368	3320	3332	3359	3380	3348	3338	3345	3472	3338
Franklin	2074	2058	1822	1834	1849	1837	1817	1746	1693	1660	1978
Fremont	1642	1653	1694	1501	1681	1687	1688	1664	1377	1697	1609
Greene	1994	1883	1882	1800	1840	1826	1750	1731	1758	1752	2032
Grundy	3060	2792	2777	2751	2740	2282	2264	2636	2419	2354	3009
Guthrie	2323	2344	2342	2217	2430	2458	2414	2399	2415	2535	2333
Hamilton	3151	3195	3126	3111	3131	3099	3032	3042	3084	2992	3129
Hancock	2160	2111	2150	2364	2364	2440	2375	2335	2330	2401	2144
Hardin	3906	3970	3748	3841	3844	4152	4093	4109	4077	4042	3816
Harrison	3419	3361	3360	2726	3058	3037	2984	2978	2983	3055	3391
Henry	3848	3796	3167	3886	3850	3802	3722	3598	3572	3605	3794
Howard	2301	2319	2408	2334	2352	2333	2312	2276	2277	2305	2285
Humboldt	1926	1984	1974	1997	1998	1958	1960	1969	1955	1978	1972
Ida	1538	1524	1575	1598	1584	1567	1521	1429	1444	1401	1492
Iowa	2987	3026	3231	3087	3031	3138	2967	2769	2710	2714	2992
Jackson	4227	4250	4274	4273	4254	4226	4042	4139	4212	4259	4161
Jasper	6480	6521	6408	6396	6436	6467	6350	6451	6125	6198	6485

*The number of months used varies from two to five; months change across some years because of data availability.

Table 4. Average Number Enrolled in Schools in Selected Months* in Iowa's Counties, 1987-1988 - 1997-1998
(continued).

County	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1987- 1988
Jefferson	2056	1961	1829	1816	1853	1807	1771	1795	1826	1825	2127
Johnson	13339	13094	12103	11880	11323	11268	10963	10807	10579	10599	13587
Jones	3667	3693	3749	3717	3537	3471	3433	3389	3394	3404	3697
Keokuk	2508	2467	2436	2422	2400	2421	2432	2446	2441	2443	2484
Kossuth	3569	3599	3600	3518	3484	3583	3446	3471	3602	3540	3514
Lee	7279	7385	7481	7475	7240	7298	6906	7102	7119	7485	7155
Linn	35023	34608	33645	32691	32147	31861	29899	28832	29124	29670	35431
Louisa	2995	3008	2686	2811	2757	2695	2732	2730	2663	2600	2970
Lucas	1654	1597	1576	1623	1575	1559	1581	1575	1579	1621	1636
Lyon	2303	2342	2400	2355	2375	2321	2032	2324	2353	2358	2217
Madison	2884	2869	2824	2799	2800	2821	2815	2838	2836	2824	2933
Mahaska	3486	3438	3478	3478	3493	3416	3444	3400	3412	3363	3467
Marion	6372	6403	6308	5780	6031	6051	5820	5509	5546	5483	6384
Marshall	6737	6690	6560	6498	6495	6782	6569	6574	6296	6515	6778
Mills	2741	2624	2590	2629	2629	2587	2600	2623	2647	2667	2759
Mitchell	2070	2049	2041	2035	2016	2002	1978	2000	2016	2035	2019
Monona	1815	1845	1786	1869	1908	1900	1892	1925	1912	1882	1750
Monroe	1347	1351	1328	1314	1335	1324	1316	1293	1274	1340	1338
Montgomery	1978	1958	1989	1999	2006	2017	1989	2066	1987	2120	2020
Muscatine	7662	7575	7605	7610	7673	7520	7273	7276	7204	7208	7571
O'Brien	3292	3364	3356	3307	3094	3205	3201	3093	3107	3046	3237
Osceola	1085	985	1005	981	995	966	926	1016	940	968	1071
Page	3237	3207	3232	3165	3205	3041	3008	3176	3076	3089	3082
Palo Alto	2224	2258	2270	2326	2351	2296	2317	2311	2255	2212	2191
Plymouth	5638	5509	5462	5273	5175	5211	4434	4971	4996	4955	5498
Pocahontas	1551	1609	1562	1548	1873	1860	1800	1790	1738	1768	1575
Polk	64539	63946	62531	60791	59994	55555	53487	52846	50778	50616	66331
Pottawattamie	17930	17017	16642	16369	16199	16022	15709	15295	15430	15502	17914
Poweshiek	3241	3104	2982	2973	2965	2860	2793	2822	2860	2883	3076
Ringgold	1052	1046	993	1001	998	1023	985	1006	995	992	1022
Sac	2323	2359	2387	2383	2343	2400	2389	2414	2362	2331	2320
Scott	30809	30436	28523	28749	28809	28683	28473	28207	27704	27823	30648
Shelby	2846	3056	3027	2984	3022	2708	2627	2601	2581	2599	2834
Sioux	7280	7306	6946	6701	6893	6851	6749	6464	6501	6396	7189
Story	10657	10557	10326	10215	9955	10018	9570	9407	9300	9200	10708
Tama	3205	3174	3176	3231	3652	3402	3413	3432	3474	3564	3185
Taylor	1299	1298	1276	1280	1269	1298	1375	1359	1414	1363	1344
Union	2319	2335	2251	2256	2322	2336	2294	2376	2409	2405	2354
Van Buren	1442	1462	1477	1460	1434	1406	1399	1400	1405	1431	1444
Wapello	6773	6694	6701	6708	6772	6739	6688	6564	6700	6769	6726
Warren	7306	7522	7010	6985	6818	6725	6717	6634	6465	6561	7514
Washington	3791	3740	3803	3724	3691	3680	3644	3599	3686	3660	3799
Wayne	1291	1235	1246	1226	1243	1190	1214	1192	1193	1196	1197
Webster	6848	6737	6863	6853	6906	6746	6703	6526	6749	6622	6678
Winnebago	2882	2960	2864	2846	2840	2811	2790	2757	2815	2787	2866
Winneshiek	3350	3249	3259	3307	3334	3245	3181	3173	3213	3116	3325
Woodbury	20444	19650	18811	18348	18568	18435	18432	17878	17994	17788	20729
Worth	1162	1160	1151	1131	1159	1151	1110	1117	1154	1154	1164
Wright	3067	3099	3148	2901	2730	2688	2574	2616	2640	2619	3016
State of Iowa	538681	535032	524451	517352	514671	509850	498375	494454	491083	493034	538715

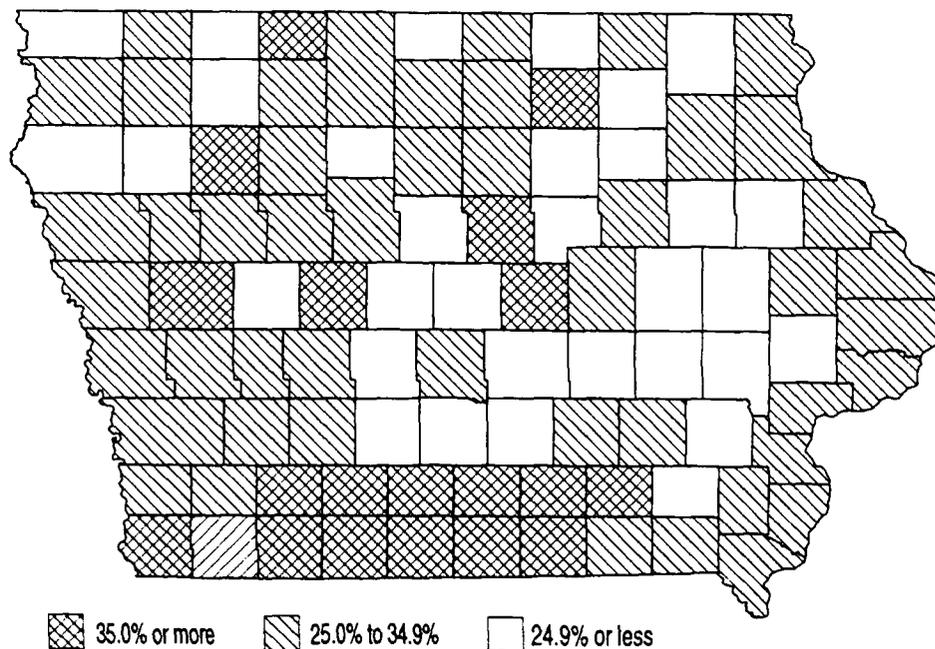
1998, Polk had 3,955 students getting reduced-price meals; the counts also were greater than 1,000 in Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Twenty-seven other counties had 300 or more. Adams (68) had the fewest students receiving reduced-price meals; Audubon was the only other county under 100.

Percentage of Students Receiving Free or Reduced-Price Meals

In Iowa in 1997-1998, 27.6 percent of students enrolled in school received either free or reduced-price meals (Table 3; see Table 4 for the number of students enrolled). Although the percentage for the state did not vary greatly over the years, it was highest in 1997-1998. In the most recent year, Johnson (16.3%) and Plymouth (16.9%) had the lowest percentages of students in the meal program; six others (Bremer, Cedar, Iowa, Madison, Story, Warren) had figures below 20 percent. Nineteen counties had percentages greater than 35, with five at 40 percent or higher (Appanoose, Decatur, Ringgold, Taylor, Wayne). Decatur was the only county in which more than half the students received free or reduced-price meals (Figure 1). For 31 counties, the percentages for the 1997-1998 school year were lower than what they had been during 1987-1988. Five (Clay, Lyon, Madison, Mitchell, Plymouth) dropped by at least five percentage points. Two-thirds (68) of the counties had greater percentages of students in the meal program in 1997-1998 than in 1987-1988. Five (Clarke, Decatur, Louisa, Marshall, Mills) had gains of at least 10 percentage points.

Note: Caution must be exercised in comparing the averages among the years. The months for which data were available varied somewhat (1987-1988: September and October 1987, January, February, and April 1988; 1988-1989: December 1988 and January and February 1989). For the years from 1989-1990 through 1997-1998, October of the first year and January and March of the second year were selected each time. The figures in these tables may differ somewhat from total annual enrollments or total annual numbers of students provided free or reduced-price meals because data were used for selected months.

Figure 1. Percent of students receiving free or reduced-price school meals, 1997-1998.



Domestic Abuse in Iowa's Counties: 1993-1997

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The Iowa Department of Public Safety reports incidents of domestic abuse as part of its annual publication program. Summary data are included on reported cases, characteristics of victims and offenders, and characteristics of the incidents. Domestic abuse is defined in the Iowa Code under any of the following circumstances: the assault is between family or household members who reside together at the time of the assault, the assault is between separated spouses or persons divorced from each other and not residing together at the time of the assault, the assault is between persons who are parents of the same minor child regardless of whether they have been married or have lived together at any time, or the assault is between persons who have been family or household members residing together within the past year and are not residing together at the time of the assault.

Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on domestic abuse were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. The number of law enforcement units reporting data has changed from one year to the next; estimates suggest that only two-thirds of the data were reported in 1993, for example. This remains a problem, although the magnitude of missing data has diminished somewhat. Still, comparisons of 1993-1997 numbers are not appropriate either for the state or for many counties. ***Jurisdictions not reporting or those providing insufficient data are listed on page 434. Counties in which this occurred are highlighted in Tables 1-5; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.***

Data for the State

Nearly 6,500 incidents of domestic abuse were reported to the Iowa Department of Public Safety in 1997 (Table 1). Victims tended to be female (5,380 of the 6,477 victims reported) while offenders generally were male (5,458 of the 6,620 offenders reported) in cases of domestic abuse. Arrests occurred in 4,622 of the 6,242 cases for which that information was provided in 1997.

Data for Counties

In 1997, 11 counties had at least 100 cases of domestic abuse reported by law enforcement personnel (Table 1). Three of these counties (Polk, Scott, Woodbury) counted 500 or more incidents. Eight counties had no reported incidents of domestic abuse that year. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

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

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1997.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	3	2	1	1	2	2	1
Adams	5	4	1	1	4	5	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	45	39	6	7	40	30	12
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	31*	27*	4*	2*	29*	29*	2*
Black Hawk*	460*	409*	51*	78*	425*	330*	136*
Boone	73	57	16	14	60	51	14
Bremer	10	8	2	2	8	8	2
Buchanan	12	11	1	3	11	9	3
Buena Vista	79	62	17	17	62	69	8
Butler	0	0	0	0	0	0	0
Calhoun	20	17	3	2	18	18	2
Carroll	12	12	0	1	12	0	12
Cass	10	8	2	2	8	6	4
Cedar	24	19	5	5	19	16	5
Cerro Gordo	175	146	29	31	147	143	20
Cherokee	21	19	2	4	17	20	1
Chickasaw*	6*	5*	1*	1*	5*	4*	2*
Clarke	9	9	0	0	9	6	3
Clay	48	41	7	5	43	44	2
Clayton*	4*	4*	0*	0*	4*	2*	2*
Clinton*	14*	12*	2*	2*	12*	14*	0*
Crawford	40	33	7	6	33	32	3
Dallas	46	38	8	11	39	19	27
Davis	3	3	0	0	3	0	3
Decatur*	1*	1*	0*	0*	1*	0*	1*
Delaware*	1*	1*	0*	0*	1*	1*	0*
Des Moines	157	128	29	49	122	87	70
Dickinson*	1*	1*	0*	0*	1*	1*	0*
Dubuque	416	306	110	101	316	272	111
Emmet*	19*	17*	2*	1*	18*	17*	2*
Fayette	41	36	5	4	37	8	33
Floyd*	7*	5*	2*	2*	5*	4*	3*
Franklin*	3*	3*	0*	0*	3*	3*	0*
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	9*	9*	0*	0*	9*	6*	3*
Grundy	9	7	2	2	7	8	0
Guthrie	2	2	0	0	2	0	2
Hamilton	10	7	3	4	8	9	1
Hancock	12	12	0	0	12	9	3
Hardin	23	20	3	3	20	16	7
Harrison	17	14	3	3	14	14	1
Henry	50	31	19	16	33	37	5
Howard	10	6	4	4	6	10	0
Humboldt	10	10	0	1	9	10	0
Ida	0	0	0	0	0	0	0
Iowa	9	9	0	0	9	6	3
Jackson	8	8	0	1	8	8	0
Jasper	60	56	4	5	58	44	16

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1997 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	26	18	8	8	18	22	4
Johnson*	198*	163*	35*	39*	162*	160*	28*
Jones*	10*	8*	2*	1*	9*	7*	2*
Keokuk	7	6	1	1	6	5	1
Kossuth	12	10	2	3	9	10	0
Lee	167	122	45	49	122	136	10
Linn*	64*	50*	14*	14*	50*	58*	3*
Louisa	19	19	0	1	18	14	5
Lucas	8	7	1	0	8	2	6
Lyon	2	1	1	1	1	1	1
Madison*	3*	3*	0*	0*	3*	0*	3*
Mahaska	20	16	4	5	15	19	1
Marion	84	74	10	9	76	76	7
Marshall	185	165	20	20	167	161	13
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	14	10	4	4	10	14	0
Monona	75	61	14	14	61	56	11
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	63*	46*	17*	19*	48*	27*	33*
Muscatine	184	156	28	32	157	163	19
O'Brien	24	20	4	4	21	17	7
Osceola	9	6	3	1	8	7	0
Page*	49*	40*	9*	8*	41*	35*	14*
Palo Alto*	5*	4*	1*	1*	4*	5*	0*
Plymouth	39	36	3	5	33	26	10
Pocahontas	9	8	1	1	8	7	2
Polk*	1320*	1113*	207*	207*	1129*	929*	380*
Pottawattamie*	16*	14*	2*	2*	14*	9*	7*
Poweshiek*	15*	12*	3*	3*	12*	1*	14*
Ringgold	0	0	0	0	0	0	0
Sac	13	9	4	4	9	13	0
Scott	717	589	128	141	607	395	289
Shelby*	1*	1*	0*	0*	1*	1*	0*
Sioux*	10*	9*	1*	1*	9*	8*	1*
Story	82	63	19	19	63	70	8
Tama*	32*	29*	3*	4*	29*	20*	12*
Taylor	7	7	0	0	7	4	3
Union*	7*	7*	0*	0*	7*	2*	5*
Van Buren	21	15	6	6	16	6	15
Wapello	52	48	4	6	46	48	2
Warren*	68*	53*	15*	13*	55*	49*	14*
Washington*	3*	3*	0*	0*	3*	1*	2*
Wayne	15	13	2	2	13	15	0
Webster	24	22	2	1	23	0	24
Winnebago*	4*	2*	2*	2*	2*	3*	1*
Winneshiek	6	6	0	0	6	6	0
Woodbury*	726*	612*	114*	114*	612*	553*	137*
Worth	18	13	5	4	14	16	0
Wright	19	17	2	2	17	18	1
State of Iowa*	6477*	5380*	1097*	1162*	5458*	4622*	1620*

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1996.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	1	1	0	0	1	1	0
Adams	1	0	1	1	0	1	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	71	56	15	17	56	44	23
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	29*	25*	4*	4*	25*	28*	1*
Black Hawk*	427*	374*	53*	84*	392*	315*	112*
Boone	55	49	6	7	48	40	14
Bremer	10	10	0	0	10	9	1
Buchanan	3	3	0	0	3	3	0
Buena Vista	55	48	7	6	49	42	13
Butler	0	0	0	0	0	0	0
Calhoun	24	19	5	4	20	24	0
Carroll	8	6	2	3	6	3	5
Cass	29	28	1	1	28	25	4
Cedar*	23*	21*	2*	4*	19*	19*	2*
Cerro Gordo	159	133	26	27	137	138	14
Cherokee	31	28	3	3	28	31	0
Chickasaw*	6*	4*	2*	2*	4*	6*	0*
Clarke	14	12	2	2	12	10	4
Clay	46	39	7	6	40	42	0
Clayton	28	19	9	8	20	15	12
Clinton*	9*	8*	1*	0*	9*	8*	1*
Crawford	19	16	3	3	16	15	3
Dallas	32	29	3	2	30	14	17
Davis	17	17	0	0	17	11	6
Decatur*	1*	1*	0*	0*	1*	1*	0*
Delaware	6	5	1	1	5	5	0
Des Moines	107	86	21	22	91	85	22
Dickinson*	0*	0*	0*	0*	0*	0*	0*
Dubuque	377	288	89	88	291	228	125
Emmet	20	17	3	3	17	20	0
Fayette	47	45	2	3	45	18	29
Floyd	15	13	2	2	14	11	4
Franklin*	9*	6*	3*	1*	8*	6*	1*
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	6*	5*	1*	1*	5*	4*	1*
Grundy*	5*	5*	0*	0*	5*	5*	0*
Guthrie	0	0	0	0	0	0	0
Hamilton	19	16	3	5	16	16	3
Hancock	10	9	1	1	9	9	1
Hardin	43	36	7	8	36	22	21
Harrison*	0*	0*	0*	0*	0*	0*	0*
Henry	49	38	11	11	38	43	0
Howard	13	9	4	3	10	11	2
Humboldt*	9*	8*	1*	1*	8*	9*	0*
Ida	0	0	0	0	0	0	0
Iowa	14	12	2	2	12	11	3
Jackson	0	0	0	0	0	0	0
Jasper	61	55	6	6	58	50	11

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1996 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	30	22	8	8	22	21	6
Johnson	204	180	24	25	180	166	29
Jones*	10*	7*	3*	2*	8*	6*	4*
Keokuk	15	13	2	3	14	12	1
Kossuth	9	8	1	1	8	9	0
Lee	225	166	59	61	172	172	26
Linn*	66*	56*	10*	8*	57*	51*	9*
Louisa	24	23	1	1	23	23	1
Lucas	9	8	1	1	8	6	3
Lyon	5	5	0	0	5	3	2
Madison*	1*	1*	0*	0*	1*	0*	1*
Mahaska	43	35	8	10	35	38	5
Marion*	52*	43*	9*	9*	43*	44*	5*
Marshall	194	157	37	39	155	155	25
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	10	9	1	1	9	6	3
Monona	47	36	11	12	35	32	9
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	49*	36*	13*	12*	37*	25*	20*
Muscatine	157	137	20	20	137	128	29
O'Brien	16	14	2	2	15	13	3
Osceola	10	9	1	1	9	9	0
Page*	37*	29*	8*	8*	30*	22*	12*
Palo Alto*	1*	1*	0*	0*	1*	1*	0*
Plymouth	35	27	8	5	28	25	6
Pocahontas	1	1	0	0	1	1	0
Polk*	1250*	1070*	180*	187*	1082*	880*	365*
Pottawattamie*	0*	0*	0*	0*	0*	0*	0*
Poweshiek*	0*	0*	0*	0*	0*	0*	0*
Ringgold	0	0	0	0	0	0	0
Ringgold	14	14	0	1	13	14	0
Sac	682	560	122	135	571	379	256
Scott	0*	0*	0*	0*	0*	0*	0*
Shelby*	4*	4*	0*	0*	4*	3*	1*
Sioux*	80	60	20	18	63	64	10
Story	33*	29*	4*	3*	30*	19*	14*
Tama*	12	11	1	1	11	7	5
Taylor	8*	8*	0*	0*	8*	1*	7*
Union*	6*	4*	2*	2*	4*	1*	5*
Van Buren*	58	54	4	3	55	54	3
Wapello	74	56	18	18	57	55	16
Warren	2*	1*	1*	1*	1*	2*	0*
Washington*	18	14	4	4	14	14	4
Wayne	3	3	0	0	3	0	3
Webster	11	10	1	1	10	8	3
Winnebago	14	13	1	1	13	13	1
Winneshiek	711*	574*	137*	142*	575*	536*	119*
Woodbury*	4*	4*	0*	0*	4*	4*	0*
Worth*	21	19	2	2	19	15	6
Wright							
State of Iowa*	6163*	5130*	1033*	1090*	5209*	4435*	1472*

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1995.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	3	3	0	0	3	3	0
Adams	15	13	2	2	13	13	2
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	66	48	18	18	49	44	18
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	48*	40*	8*	8*	40*	48*	0*
Black Hawk	510	440	70	101	461	298	211
Boone	77	60	17	17	61	56	13
Bremer	8	7	1	1	7	8	0
Buchanan	23	19	4	4	20	15	8
Buena Vista	43	38	5	5	38	34	8
Butler	0	0	0	0	0	0	0
Calhoun	19	18	1	1	18	13	6
Carroll	26	21	5	6	22	12	14
Cass	26	23	3	2	24	18	8
Cedar	20	16	4	4	16	18	1
Cerro Gordo	197	166	31	29	167	172	12
Cherokee	31	27	4	4	27	31	0
Chickasaw	7	7	0	0	7	2	5
Clarke	9	9	0	0	9	5	4
Clay	24	18	6	4	20	19	4
Clayton	24	22	2	2	22	15	8
Clinton*	18*	12*	6*	6*	12*	13*	5*
Crawford	50	40	10	9	41	39	9
Dallas	37	31	6	3	32	25	9
Davis	11	9	2	1	10	10	1
Decatur*	6*	4*	2*	1*	5*	4*	2*
Delaware	11	9	2	2	9	8	2
Des Moines	98	78	20	18	75	58	32
Dickinson*	14*	12*	2*	3*	11*	10*	4*
Dubuque	81	62	19	19	62	43	38
Emmet	28	21	7	7	21	22	6
Fayette*	26*	22*	4*	4*	22*	19*	6*
Floyd	63	50	13	12	51	39	18
Franklin*	13*	9*	4*	3*	10*	11*	0*
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	5*	4*	1*	1*	4*	2*	3*
Grundy*	8*	6*	2*	2*	6*	8*	0*
Guthrie	7	6	1	1	6	0	7
Hamilton	27	24	3	4	24	20	7
Hancock	11	7	4	4	7	8	3
Hardin	35	32	3	2	33	32	3
Harrison	0	0	0	0	0	0	0
Henry	58	43	15	14	44	46	2
Howard	8	7	1	1	7	7	1
Humboldt*	2*	2*	0*	0*	2*	0*	2*
Ida	0	0	0	0	0	0	0
Iowa	11	11	0	0	11	9	2
Jackson	3	2	1	2	2	3	0
Jasper	77	66	11	13	67	62	15

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1995 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	33	22	11	11	22	23	5
Johnson*	164*	145*	19*	21*	145*	149*	12*
Jones	23	18	5	5	18	14	8
Keokuk	28	20	8	10	21	20	0
Kossuth	26	23	3	2	24	19	5
Lee*	72*	65*	7*	8*	64*	50*	19*
Linn*	64*	52*	12*	14*	50*	47*	10*
Louisa	29	27	2	2	28	24	5
Lucas	13	12	1	1	12	9	3
Lyon	2	2	0	0	2	2	0
Madison	8	8	0	0	8	4	4
Mahaska	91	69	22	21	75	84	7
Marion*	59*	51*	8*	9*	50*	47*	9*
Marshall	235	200	35	34	202	192	35
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	13	11	2	2	11	11	0
Monona	50	43	7	7	44	33	14
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	67*	55*	12*	15*	54*	30*	33*
Muscatine	173	156	17	18	159	155	18
O'Brien	21	16	5	5	16	17	3
Osceola	10	8	2	1	9	10	0
Page	43	36	7	7	36	25	16
Palo Alto	2	2	0	0	2	2	0
Plymouth	47	38	9	6	40	32	14
Pocahontas	10	9	1	1	8	7	1
Polk	1654	1419	235	249	1428	1087	563
Pottawattamie*	18*	16*	2*	2*	16*	8*	10*
Poweshiek*	0*	0*	0*	0*	0*	0*	0*
Ringgold	1	1	0	0	1	1	0
Sac	4	4	0	0	4	4	0
Scott	640	529	111	123	537	356	245
Shelby*	0*	0*	0*	0*	0*	0*	0*
Sioux*	8*	7*	1*	3*	5*	7*	0*
Story	123	98	25	22	101	94	15
Tama*	33*	31*	2*	3*	32*	24*	9*
Taylor	11	10	1	2	9	6	5
Union*	2*	2*	0*	0*	2*	1*	1*
Van Buren	5	3	2	2	3	0	5
Wapello	42	36	6	7	35	27	10
Warren*	116*	98*	18*	18*	96*	86*	22*
Washington*	2*	1*	1*	0*	2*	1*	1*
Wayne	12	11	1	1	11	9	3
Webster	13	12	1	1	12	0	13
Winnebago	10	7	3	2	8	8	2
Winneshiek	16	14	2	1	15	13	3
Woodbury*	858*	708*	150*	142*	719*	584*	223*
Worth	16	15	1	1	15	12	4
Wright	37	27	10	10	27	33	3
State of Iowa*	6788*	5701*	1087*	1129*	5776*	4689*	1857*

Table 4. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1994.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	4	3	1	1	3	2	1
Adams	2	2	0	0	2	2	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	35	25	10	11	26	26	4
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	38*	34*	4*	4*	34*	35*	3*
Black Hawk	428	379	49	77	386	221	206
Boone	80	71	9	9	71	75	3
Bremer	13	12	1	1	12	9	4
Buchanan	13	10	3	4	12	12	1
Buena Vista	47	40	7	6	41	36	8
Butler	2	2	0	0	2	1	1
Calhoun	17	15	2	3	14	8	9
Carroll	33	29	4	2	31	7	26
Cass	36	32	4	4	32	28	8
Cedar*	24*	18*	6*	6*	18*	22*	1*
Cerro Gordo	144	128	16	17	129	134	4
Cherokee	32	31	1	1	31	30	1
Chickasaw	12	9	3	3	9	8	4
Clarke*	18*	16*	2*	1*	17*	16*	2*
Clay	27	26	1	1	26	10	16
Clayton	16	11	5	4	12	14	2
Clinton*	16*	15*	1*	1*	15*	15*	1*
Crawford	28	23	5	4	25	19	9
Dallas*	52*	38*	14*	14*	38*	42*	3*
Davis	11	9	2	2	9	9	1
Decatur*	5*	5*	0*	0*	5*	4*	1*
Delaware	12	9	3	3	9	8	1
Des Moines*	43*	40*	3*	5*	38*	20*	21*
Dickinson	14	11	3	3	11	8	5
Dubuque*	9*	8*	1*	1*	8*	8*	1*
Emmet	9	8	1	0	9	8	1
Fayette*	15*	12*	3*	3*	12*	11*	1*
Floyd	50	43	7	5	42	30	15
Franklin	16	12	4	4	12	12	0
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	2*	2*	0*	0*	2*	0*	2*
Grundy	8	7	1	1	7	7	1
Guthrie	3	3	0	0	3	0	3
Hamilton	29	26	3	3	27	25	4
Hancock	5	5	0	0	5	5	0
Hardin	35	31	4	3	34	30	5
Harrison	0	0	0	0	0	0	0
Henry	28	20	8	8	20	24	0
Howard	6	5	1	1	5	6	0
Humboldt*	9*	7*	2*	2*	7*	1*	8*
Ida	9	5	4	2	7	8	0
Iowa	9	8	1	1	8	8	1
Jackson	10	10	0	1	10	9	1
Jasper	57	46	11	13	51	38	19

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 4. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1994 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	36	29	7	7	29	21	12
Johnson*	126*	103*	23*	23*	104*	105*	15*
Jones	33	31	2	3	30	27	4
Keokuk	9	7	2	1	8	8	1
Kossuth	24	20	4	4	20	19	2
Lee	182	137	45	45	137	140	21
Linn*	49*	41*	8*	9*	39*	38*	5*
Louisa	30	28	2	2	28	26	2
Lucas	12	10	2	2	10	10	1
Lyon	4	4	0	0	4	4	0
Madison	4	3	1	0	4	1	3
Mahaska	72	52	20	20	53	47	21
Marion*	41*	34*	7*	8*	33*	32*	9*
Marshall	208	156	52	53	157	154	19
Mills*	0*	0*	0*	0*	0*	0*	0*
Mitchell	6	4	2	0	6	5	1
Monona	23	21	2	3	20	16	6
Monroe*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	42*	36*	6*	8*	34*	18*	19*
Muscatine	149	127	22	20	129	130	18
O'Brien	18	13	5	4	14	14	4
Osceola	15	13	2	2	13	12	1
Page*	31*	27*	4*	2*	29*	18*	12*
Palo Alto	7	6	1	1	6	7	0
Plymouth	18	17	1	4	14	13	5
Pocahontas	16	14	2	2	14	10	6
Polk	1428	1261	167	175	1265	969	455
Pottawattamie*	4*	2*	2*	0*	4*	4*	0*
Poweshiek*	15*	13*	2*	1*	14*	14*	0*
Ringgold*	0*	0*	0*	0*	0*	0*	0*
Ringgold*	8*	8*	0*	0*	8*	8*	0*
Sac*	608	502	106	117	509	321	245
Scott	0*	0*	0*	0*	0*	0*	0*
Shelby*	5*	5*	0*	0*	5*	5*	0*
Sioux*	112	89	23	27	86	91	9
Story	16	15	1	1	15	13	2
Tama	12	11	1	1	11	10	2
Taylor	4*	3*	1*	1*	3*	3*	1*
Union*	10*	8*	2*	1*	9*	3*	7*
Van Buren*	33*	30*	3*	3*	30*	25*	7*
Wapello*	55	44	11	11	43	43	10
Warren	1*	1*	0*	0*	1*	1*	0*
Washington*	13	11	2	2	11	8	3
Wayne	28*	27*	1*	3*	27*	10*	18*
Webster*	16	13	3	3	13	15	1
Winnebago	19	18	1	1	18	18	0
Winneshiek	674*	566*	108*	115*	568*	472*	155*
Woodbury*	15	13	2	2	13	11	3
Worth	27	23	4	4	23	23	3
Wright							
State of Iowa*	5769*	4897*	872*	926*	4938*	3993*	1516*

Table 5. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1993.

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Adair	5	4	1	1	4	3	2
Adams	4	3	1	1	3	4	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*
Appanoose	53	36	17	14	39	34	10
Audubon*	0*	0*	0*	0*	0*	0*	0*
Benton*	43*	36*	7*	7*	36*	39*	4*
Black Hawk	458	390	68	86	417	94	363
Boone	59	51	8	9	50	44	13
Bremer	7	7	0	0	7	6	1
Buchanan	10	9	1	1	9	8	2
Buena Vista	41	37	4	2	40	35	6
Butler	9	7	2	2	8	5	4
Calhoun	27	19	8	6	21	24	3
Carroll	21	19	2	1	20	4	17
Cass	21	19	2	2	19	18	3
Cedar	27	25	2	2	25	25	1
Cerro Gordo	111	94	17	19	94	86	10
Cherokee	22	18	4	4	18	22	0
Chickasaw	14	12	2	2	12	3	11
Clarke	11	9	2	0	11	6	5
Clay	12	10	2	2	10	6	5
Clayton	8	8	0	0	8	3	5
Clinton*	13*	10*	3*	1*	12*	12*	1*
Crawford	23	19	4	3	20	12	11
Dallas*	41*	33*	8*	7*	33*	38*	0*
Davis	9	7	2	1	8	8	1
Decatur	6	6	0	0	6	5	1
Delaware	12	10	2	2	10	8	2
Des Moines	50	39	11	11	39	46	4
Dickinson	20	20	0	0	20	12	8
Dubuque*	8*	6*	2*	2*	6*	7*	0*
Emmet	15	12	3	3	12	8	7
Fayette*	12*	10*	2*	2*	10*	8*	4*
Floyd	40	35	5	5	35	30	7
Franklin	9	6	3	3	6	5	1
Fremont*	0*	0*	0*	0*	0*	0*	0*
Greene*	6*	6*	0*	0*	6*	6*	0*
Grundy	6	5	1	1	5	6	0
Guthrie	11	10	1	1	10	1	10
Hamilton	31	30	1	3	30	28	3
Hancock	8	6	2	2	6	3	3
Hardin	36	31	5	10	27	28	8
Harrison	10	10	0	0	10	10	0
Henry	37	31	6	6	32	26	7
Howard	6	6	0	0	6	5	1
Humboldt*	2*	2*	0*	0*	2*	0*	2*
Ida*	0*	0*	0*	0*	0*	0*	0*
Iowa	4	4	0	0	4	4	0
Jackson	30	25	5	5	25	24	6
Jasper	61	51	10	11	52	25	35

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 5. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1993 (continued).

County	Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No
Jefferson	53	46	7	7	46	34	19
Johnson*	27*	24*	3*	3*	24*	22*	5*
Jones	32	30	2	2	30	24	6
Keokuk	33	31	2	3	30	25	8
Kossuth	24	23	1	2	23	17	7
Lee*	45*	39*	6*	7*	38*	42*	3*
Linn*	84*	67*	17*	16*	66*	54*	20*
Louisa	32	28	4	3	29	30	2
Lucas	5	4	1	1	4	2	2
Lyon	3	3	0	0	3	3	0
Madison	13	12	1	1	12	3	10
Mahaska	30	25	5	5	25	26	4
Marion*	29*	24*	5*	5*	24*	21*	5*
Marshall	220	170	50	50	172	176	20
Mills*	1*	1*	0*	0*	1*	1*	0*
Mitchell	4	4	0	1	3	3	1
Monona	38	31	7	7	31	23	11
Monroe*	5*	4*	1*	1*	4*	4*	1*
Montgomery*	56*	43*	13*	11*	44*	30*	21*
Muscatine	81	69	12	12	69	66	15
O'Brien	8	7	1	1	7	7	0
Osceola	9	6	3	2	7	6	1
Page	44	37	7	7	37	28	12
Palo Alto	6	4	2	2	4	6	0
Plymouth	13	10	3	3	10	10	3
Pocahontas	9	8	1	1	8	5	4
Polk*	1095*	982*	113*	113*	987*	734*	357*
Pottawattamie*	6*	4*	2*	2*	4*	4*	1*
Poweshiek	22	21	1	1	20	16	5
Ringgold	0	0	0	0	0	0	0
Sac	6	6	0	0	6	6	0
Scott	527	448	79	90	452	264	227
Shelby*	0*	0*	0*	0*	0*	0*	0*
Shelby*	0*	0*	0*	0*	11*	8*	3*
Sioux*	11*	11*	0*	0*	11*	8*	3*
Story	84	74	10	9	75	69	13
Story	84	74	10	9	75	69	13
Tama	24	21	3	2	22	16	7
Tama	24	21	3	2	22	16	7
Taylor	8	7	1	1	7	8	0
Taylor	8	7	1	1	7	8	0
Union	9	9	0	0	9	6	3
Union	9	9	0	0	9	6	3
Van Buren	20	16	4	3	16	12	6
Van Buren	20	16	4	3	16	12	6
Wapello*	20*	20*	0*	0*	20*	20*	0*
Wapello*	20*	20*	0*	0*	20*	20*	0*
Warren	75	64	11	6	69	64	10
Warren	75	64	11	6	69	64	10
Washington*	1*	1*	0*	0*	1*	1*	0*
Washington*	1*	1*	0*	0*	1*	1*	0*
Wayne	6	5	1	1	5	5	1
Wayne	6	5	1	1	5	5	1
Webster*	143*	126*	17*	16*	127*	112*	29*
Webster*	143*	126*	17*	16*	127*	112*	29*
Winnebago	22	21	1	1	21	15	7
Winnebago	22	21	1	1	21	15	7
Winneshiek	11	10	1	1	10	9	2
Winneshiek	11	10	1	1	10	9	2
Woodbury	656	557	99	101	562	437	182
Woodbury	656	557	99	101	562	437	182
Worth	17	13	4	4	13	14	3
Worth	17	13	4	4	13	14	3
Wright	22	18	4	3	19	20	0
Wright	22	18	4	3	19	20	0
State of Iowa*	5158*	4427*	731*	747*	4490*	3342*	1623*

annually. Please note that the number of responses on arrests doesn't always equal the number of cases of domestic abuse in a county; information on arrests was not available on some incidents. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data.

1997: Reports not received from 20 jurisdictions (Albia, Audubon, Belle Plaine, Cedar Rapids, Charles City, Evansdale, Glenwood, Grinnell, Hiawatha, Jefferson, Johnston, Lamoni, Rock Valley, Sergeant Bluff, Sioux Center, Tama, Washington, Waukon, and Winterset police departments and the University of Iowa Security Department). Reports deleted because of insufficient data from 26 jurisdictions (Clinton, Council Bluffs, Emmetsburg, Norwalk, and Spirit Lake police departments and sheriff offices in Allamakee, Chickasaw, Clayton, Clinton, Decatur, Delaware, Dickinson, Emmet, Floyd, Franklin, Fremont, Jones, Mills, Monroe, Montgomery, Page, Pottawattamie, Shelby, Union, Washington, and Winnebago counties).

1996: Reports not received from 18 jurisdictions (Audubon, Belle Plaine, Cedar Rapids, Clinton, Emmetsburg, Hiawatha, Glenwood, Grinnell, Jefferson, Missouri Valley, Rock Valley, Sergeant Bluff, Sioux Center, Tama, Washington, and Waukon police departments and the sheriff offices in Humboldt and Union counties). Reports deleted because of insufficient data from 31 jurisdictions (Albia, Council Bluffs, Evansdale, Grundy Center, Johnston, Knoxville, Lamoni, Spirit Lake, Tipton, and Winterset police departments and sheriff offices in Allamakee, Audubon, Chickasaw, Clinton, Decatur, Dickinson, Franklin, Fremont, Harrison, Jones, Madison, Mills, Monroe, Montgomery, Page, Pottawattamie, Poweshiek, Shelby, Van Buren, Washington, and Worth counties).

1995: Reports not received from 15 jurisdictions (Audubon, Belle Plaine, Cedar Rapids, Clinton, Grundy Center, Hiawatha, Jefferson, Lamoni, Norwalk, Rock Valley, Sioux Center, Tama, Washington, and Waukon police departments and the University of Iowa Department of Public Safety). Reports deleted because of insufficient data from 23 jurisdictions (Albia, Council Bluffs, Creston, Glenwood, Grinnell, Keokuk, Knoxville, Oelwein, Sergeant Bluff police departments and sheriff offices in Allamakee, Audubon, Clinton, Dickinson, Franklin, Fremont, Humboldt, Mills, Monroe, Montgomery, Pottawattamie, Shelby, Union, and Washington counties).

1994: Reports not received from 29 jurisdictions (Audubon, Belle Plaine, Burlington, Cedar Rapids, Clinton, Council Bluffs, Dubuque, Glenwood, Harlan, Hiawatha, Jefferson, Mt. Vernon, Oelwein, Palo, Rock Valley, Sioux Center, Washington, and Waukon police departments, the University of Iowa Department of Public Safety, and sheriff offices in Allamakee, Clarke, Clinton, Dubuque, Fremont, Humboldt, Mills, Montgomery, Shelby, and Washington counties). Reports deleted because of insufficient data from 18 jurisdictions (Albia, Grinnell, Knoxville, Lamoni, Ottumwa, Sac City, Sergeant Bluff, and Tipton police departments and sheriff offices in Audubon, Dallas, Decatur, Page, Pottawattamie, Poweshiek, Ringgold, Union, Van Buren, and Webster counties).

1993: Reports not received from 19 jurisdictions (Adel, Clinton, Coralville, Dubuque, Glenwood, Hiawatha, Keokuk, Jefferson, Mt. Vernon, Oelwein, Rock Valley, Sioux Center, Washington, and Waukon police departments, the University of Iowa Department of Public Safety, and sheriff offices in Allamakee, Dubuque, Fremont, and Montgomery counties). Reports deleted because of insufficient data from 20 jurisdictions (Albia, Audubon, Cedar Rapids, Council Bluffs, Belle Plaine, Harlan, Johnston, Knoxville, Iowa City, Marion, and Ottumwa police departments and sheriff offices in Audubon, Clinton, Humboldt, Ida, Mills, Pottawattamie, Shelby, Washington, and Webster counties).

Serious Crimes Reported in Iowa's Counties: 1993-1997

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The Iowa Department of Public Safety keeps statistical records on crimes reported in Iowa. Information on violent and property crimes is included here; these generally are the most serious offenses, those occurring with the greatest regularity, and those most frequently reported to law enforcement agencies. Included are murders, rapes, robberies, and aggravated assaults, which are counted as violent crimes, plus burglaries, larcenies, and motor vehicle thefts, which are tabulated as property crimes.

Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on serious crimes were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. The number of law enforcement units reporting data has changed from one year to the next; estimates suggest that only two-thirds of the data were reported in 1993, for example. This remains a problem, although the magnitude of missing data has diminished somewhat. Still, comparisons of 1993-1997 numbers are not appropriate either for the state or for many counties. ***Jurisdictions not reporting or those providing insufficient data are listed on page 434. Counties in which this occurred are highlighted in Tables 1 and 2; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.***

Violent Crimes

Forty-six murders were reported to the Iowa Department of Public Safety in 1997 (Table 1). Only Polk, which counted 13, had more than 10; another 20 counties each had at least one murder. More than 500 rapes were noted in 1997. In that year, Polk's total of 112 rapes was substantially greater than the 65 in Woodbury and the 62 in Scott, which had the next highest totals. Forty-two counties had 1-9 rapes while eight had 10-49 in 1997. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

The number of robberies reached 1,108 in 1997. Black Hawk, Polk, and Scott, the only counties with at least 100 robberies, had substantially higher counts than the others. Forty-six counties reported at least one robbery in 1997. Aggravated assaults totaled 5,550 in the most recent year. Polk, Scott, and Woodbury reported more than 500 aggravated assaults that year. Violent crimes totaled 7,232 in 1997 (Table 1). Eighty-eight counties had at least one violent crime that year. Polk and Scott had more than 1,000 violent crimes.

Property Crimes

Property crimes were both more numerous and more widely distributed throughout Iowa than were violent crimes. Nearly 18,200 burglaries were reported, for example; 94 counties had at least one in 1997 (Table 2). Thirty-one counties noted more than 100, led by four with at least 1,000 (Black Hawk, Polk, Scott, Woodbury).

Table 1. Violent Crime in Iowa's Counties, 1993-1997.

County	Murder					Rape					Robbery					Aggravated Assault					Violent Crime Total				
	1997	1966	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	4	2	4	3	3	4	2	
Adams	0	0	0	0	1	3	0	0	0	1	0	0	0	0	5	6	11	3	8	8	6	11	3	10	
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	1	1	0	0	0	2	9	3	3	7	0	3	0	0	21	45	25	30	45	24	58	28	33	52	
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	6*	0*	0*	0*	0*	6*	0*	0*	0*	0*	0*
Benton*	1*	0*	0*	0*	1*	1*	0*	1*	0*	4*	2*	1*	0*	0*	8*	6*	5*	7*	7*	12*	7*	6*	7*	13*	
Black Hawk*	3*	2*	3	2	9	49*	56*	46	72	62	158*	174*	142	117	136	334*	375*	389	307	343	544*	607*	580	498	550
Boone	0	1	0	0	1	1	1	1	3	3	0	0	0	1	0	22	4	10	11	22	23	6	11	15	26
Bremer	0	0	0	0	0	1	0	1	0	2	1	0	0	0	8	5	12	9	13	10	5	13	9	15	
Buchanan	0	0	1	0	0	5	5	4	2	3	6	1	1	1	3	4	10	18	18	13	15	16	24	21	19
Buena Vista	0	3	1	0	0	3	4	3	3	2	5	0	5	3	0	14	15	15	13	21	22	22	24	19	23
Butler	0	0	0	0	0	0	2	0	1	2	0	0	0	1	0	0	1	7	5	3	0	3	7	7	5
Calhoun	0	0	0	0	0	1	0	0	1	1	0	0	0	0	7	4	7	5	3	8	4	7	6	4	
Carroll	0	0	0	0	0	1	2	3	1	1	2	1	0	0	3	11	6	3	7	6	14	9	4	8	
Cass	0	0	1	0	0	1	0	0	0	0	0	0	0	0	13	12	3	11	8	14	12	4	11	8	
Cedar*	0	0*	0	3*	0	0	1*	0	0*	3	2	0*	0	0*	7	12*	11	14*	17	9	13*	11	17*	20	
Cerro Gordo	1	0	0	1	2	9	11	14	7	4	16	14	21	17	16	294	286	337	301	328	320	311	372	326	350
Cherokee	0	0	0	0	0	0	1	0	5	2	1	0	0	0	1	8	10	12	8	7	9	11	12	13	10
Chickasaw*	0*	0*	0	0	0	0*	0*	0	0	0	0*	0*	0	1	0	6*	0*	6	6	14	6*	0*	6	7	14
Clarke*	0	1	0	0*	0	1	0	0	1*	0	0	0	0	0*	1	21	4	16	4*	6	22	5	16	5*	7
Clay	0	0	0	0	0	0	3	1	2	1	1	0	1	0	0	3	7	5	4	4	4	10	7	6	5
Clayton*	0*	1	0	0	0	0*	1	0	0	0	0*	0	0	0	0	2*	13	6	4	3	2*	15	6	4	3
Clinton*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	1*	1*	8*	4*	10*	7*	6*	9*	5*	10*	8*	7*
Crawford	0	0	0	1	0	1	2	2	0	0	0	0	0	0	8	7	18	4	3	9	9	20	5	3	
Dallas*	0	0	3	0*	0*	2	3	8	1*	1*	0	0	3	2*	1*	28	30	37	16*	9*	30	33	51	19*	11*
Davis	0	1	0	0	0	0	0	0	1	1	0	0	0	1	0	2	2	2	1	3	2	3	2	3	4
Decatur*	0*	0*	0*	0*	0	0*	0*	2*	0*	4	0*	0*	0*	0*	0	0*	3*	8*	8*	5	0*	3*	10*	8*	9
Delaware*	0*	0	0	0	0	2*	0	1	0	0	0*	0	0	0	0	21*	11	14	25	13	23*	11	15	25	13
Des Moines*	0	0	1	1*	1	11	20	5	7*	2	39	36	30	0*	13	159	145	140	10*	19	209	201	176	18*	35
Dickinson*	0*	0*	0*	0	0	0*	0*	1*	0	0	0*	0*	0*	0	0	0*	0*	11*	9	23	0*	0*	12*	9	23
Dubuque*	0	2	1	0*	0*	32	43	9	0*	0*	17	15	6	0*	0*	163	147	14	0*	3*	212	207	30	0*	3*
Emmet*	0*	0	0	0	0	0*	0	0	0	1	0*	0	0	0	0	13*	7	6	5	5	13*	7	6	5	6
Fayette*	1	0	0*	0*	0*	1	3	0*	1*	1*	1	1	0*	1*	0*	24	14	12*	7*	7*	27	18	12*	9*	8*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.

Table 1. Violent Crime in Iowa's Counties, 1993-1997 (continued).

County	Murder					Rape					Robbery					Aggravated Assault					Violent Crime Total					
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	
Floyd	0*	0	0	0	0	2*	0	2	3	1	2*	1	0	0	0	8*	3	18	28	24	12*	4	20	31	25	
Franklin*	0*	0*	0*	0	1	0*	0*	0*	0	0	0*	0*	0*	1	0	8*	0*	8*	3	2	8*	0*	8*	4	3	
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	
Greene*	0*	0*	0*	0*	1*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	2*	0*	2*	2*	3*	2*	0*	2*	2*	5*	
Grundy*	0	0*	0*	0	0	0	0*	0*	1	0	0	0*	0*	0	0	0	3*	0*	2	1	0	3*	0*	3	1	
Guthrie	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	1	3	2	0	1	1	4	
Hamilton	0	1	0	0	0	2	4	4	2	2	0	6	1	1	0	6	0	6	5	11	8	11	11	8	13	
Hancock	0	1	0	0	0	1	0	0	1	1	0	0	1	0	0	3	9	6	6	3	4	10	7	7	4	
Hardin	0	0	0	0	1	0	1	2	1	0	1	2	0	0	0	19	9	16	8	13	20	12	18	9	14	
Harrison*	1	0*	0	0	0	1	0*	1	1	0	0	0*	0	0	0	14	0*	1	4	3	16	0*	2	5	3	
Henry	0	0	0	0	0	4	2	3	2	4	2	1	1	0	2	45	49	53	39	47	51	52	57	41	53	
Howard	1	0	0	0	0	2	0	0	0	0	1	0	0	0	0	4	5	2	9	8	8	5	2	9	8	
Humboldt*	0	0*	0*	0*	0*	0	1*	0*	0*	0*	0	0*	0*	0*	0*	0	4*	3*	5*	2*	0	5*	3*	5*	2*	
Ida*	0	1	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	5	0*	0	1	0	5	0*	
Iowa	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	3	8	3	9	2	3	8	5	10	2	
Jackson	1	0	0	0	0	0	2	1	4	5	1	1	0	0	1	0	3	4	3	5	2	6	5	7	11	
Jasper	0	0	0	1	0	2	1	3	3	1	5	4	5	5	2	21	12	26	17	18	28	17	34	26	21	
Jefferson	0	0	0	0	0	0	0	2	1	3	0	1	1	1	0	43	33	34	30	23	43	34	37	32	26	
Johnson*	1*	3	4*	1*	1*	48*	32	21*	31*	5*	43*	25	44*	20*	3*	395*	367	299*	280*	58*	487*	427	368*	332*	67*	
Jones*	0*	0*	0	1	1	1*	0*	3	2	0	1*	1*	0	0	0	5*	0*	6	3	8	7*	1*	9	6	9	
Keokuk	0	1	0	0	0	1	0	2	1	0	1	0	1	0	0	3	2	6	5	5	5	3	9	6	5	
Kossuth	0	0	0	0	0	3	3	0	1	0	0	2	0	0	0	8	13	18	12	13	11	18	18	13	13	
Lee*	0	1	1*	0	0*	3	9	1*	5	3*	3	11	8*	9	2*	165	171	16*	106	7*	171	192	26*	120	12*	
Linn*	0*	2*	1*	0*	3*	3*	2*	0*	5*	5*	9*	5*	4*	6*	4*	100*	94*	83*	70*	91*	112*	103*	88*	81*	103*	
Louisa	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	2	10	5	10	9	4	11	6	10	10	
Lucas	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	21	18	17	6	4	22	18	18	7	4	
Lyon	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6	14	7	1	4	6	14	7	1	5	
Madison*	0*	0*	0	0	0	0*	0*	2	0	0	0*	0*	1	1	0	6*	4*	17	5	0	6*	4*	20	6	0	
Mahaska	2	0	0	0	0	1	2	1	6	10	2	1	2	5	0	16	35	48	31	21	21	38	51	42	31	
Marion*	0	0*	1*	0*	0*	2	2*	2*	0*	1*	1	0*	0*	0*	0*	48	23*	31*	25*	21*	51	25*	34*	25*	22*	
Marshall	0	1	0	2	1	11	6	4	12	1	11	10	10	12	15	293	122	125	122	115	315	139	139	148	132	
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	2	3	4	5	6	2	3	4	6	8	

Table 1. Violent Crime in Iowa's Counties, 1993-1997 (continued).

County	Murder					Rape					Robbery					Aggravated Assault					Violent Crime Total				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Monona	0	0	0	0	0	2	0	1	2	0	2	1	1	3	1	25	18	25	26	20	29	19	27	31	21
Monroe*	0*	0*	0*	0*	0*	0*	0*	1*	0*	1*	0*	0*	0*	0*	0*	0*	0*	2*	1*	3*	0*	0*	3*	1*	4*
Montgomery*	2*	0*	0*	0*	0*	3*	2*	1*	4*	1*	1*	3*	0*	0*	0*	17*	17*	17*	13*	20*	23*	22*	18*	17*	21*
Muscatine	0	0	2	1	0	14	12	19	24	16	9	7	9	5	4	119	112	128	111	51	142	131	158	141	71
O'Brien	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	17	11	7	13	8	18	12	8	14	8
Osceola	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	6	5	2	1	0	6	5
Page*	0*	0*	0	0*	0	4*	1*	3	0*	1	1*	0*	1	0*	0	29*	22*	23	12*	13	34*	23*	27	12*	14
Palo Alto*	1*	0*	0	0	0	1*	1*	5	0	0	0*	0*	0	1	0	9*	1*	2	1	4	11*	2*	7	2	4
Plymouth	0	0	0	0	1	5	6	4	7	7	1	0	0	0	0	15	27	30	19	20	21	33	34	26	28
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	3	1	1	2	0	3
Polk*	13*	23*	20	14	12*	112*	119*	148	105	113*	433*	371*	361	342	295*	733*	714*	820	680	711*	1291*	1227*	1349	1141	1131*
Pottawattamie*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	1*	0*	0*	2*	0*	9*	0*	1*	1*	3*	10*	0*	1*	4*	3*
Poweshiek*	1*	0*	0*	0*	0	0*	0*	0*	0*	3	0*	0*	0*	0*	1	1*	0*	0*	3*	5	2*	0*	0*	3*	9
Ringgold*	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0
Sac*	0	0	0	0*	0	2	0	0	1*	0	0	0	0	0*	0	2	15	3	3*	4	4	15	3	4*	4
Scott	3	4	8	8	6	62	59	67	71	69	238	298	392	343	301	1102	1234	1477	1377	1341	1405	1595	1944	1799	1717
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	9*	13*	15*	0*	0*	9*	14*	15*	0*	0*
Sioux*	0*	0*	1*	0*	0*	0*	1*	2*	1*	2*	0*	1*	0*	0*	0*	11*	4*	5*	3*	7*	11*	6*	8*	4*	9*
Story	2	1	0	0	1	18	13	13	18	20	1	2	6	4	9	44	45	62	73	72	65	61	81	95	102
Tama*	0*	0*	0*	0	0	0*	3*	2*	1	4	1*	0*	1*	4	2	65*	45*	43*	28	23	66*	48*	46*	33	29
Taylor	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	2	2	2	2	9	2	2	2
Union*	1*	0*	0*	0*	0	0*	0*	0*	0*	1	3*	1*	1*	1*	0	12*	6*	0*	6*	8	16*	7*	1*	7*	9
Van Buren*	0	0*	0	0*	0	0	0*	0	1*	1	0	0*	0	0*	0	7	0*	2	0*	3	7	0*	2	1*	4
Wapello*	1	3	1	1*	0*	7	1	1	1*	0*	4	5	5	3*	0*	60	89	58	46*	9*	72	98	65	51*	9*
Warren*	0*	1	2*	1	6	5*	2	3*	2	2	5*	0	5*	3	1	38*	54	40*	29	42	48*	57	50*	35	51
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	3*	1*	1*	0*	0*	3*	2*	1*	0*	0*
Wayne	0	0	0	0	0	0	2	1	4	1	0	0	0	0	0	4	9	7	10	7	4	11	8	14	8
Webster*	2	0	0	0*	2*	10	17	10	10*	2*	38	36	36	18*	19*	131	118	147	121*	171*	181	171	193	149*	194*
Winnebago*	0*	0	0	0	0	0*	2	3	1	4	0*	0	0	1	0	10*	9	16	18	22	10*	11	19	20	26
Winneshiek	0	1	0	0	1	0	2	0	5	4	0	0	1	0	0	7	8	31	24	19	7	11	32	29	24
Woodbury*	6*	2*	3*	5*	4	65*	47*	58*	81*	84	32*	78*	131*	110*	122	582*	599*	1308*	1064*	1119	685*	726*	1500*	1260*	1329
Worth*	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	15	3*	5	8	4	15	3*	5	8	4
Wright	0	1	0	0	0	1	3	0	2	1	1	1	0	0	0	7	7	10	14	4	9	12	10	16	5
State of Iowa*	46*	60*	64*	44*	58*	528*	529*	505*	536*	492*	1108*	1124*	1239*	1049*	957*	5550*	5404*	6330*	5428*	5223*	7232*	7117*	8138*	7057*	6730*

Table 2. Property Crime and the Total Crime Index in Iowa's Counties, 1993-1997.

County	Burglary					Larceny					Motor Vehicle Theft					Property Crime Total					Total Crime Index				
	1997	1966	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	21	18	21	16	16	47	43	49	37	51	2	2	2	3	4	70	63	72	56	71	74	66	75	60	73
Adams	28	25	28	28	24	37	30	41	43	26	7	2	7	3	4	72	57	76	74	54	80	63	87	77	64
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	136	168	194	116	109	438	376	352	256	294	19	34	22	29	12	593	578	568	401	415	617	636	596	434	467
Audubon*	9*	0*	0*	0*	1*	28*	8*	0*	0*	4*	2*	1*	1*	0*	0*	39*	9*	1*	0*	5*	45*	9*	1*	0*	5*
Benton*	71*	55*	106*	64*	103*	137*	198*	204*	139*	116*	18*	11*	11*	10*	14*	226*	264*	321*	213*	233*	238*	271*	327*	220*	246*
Black Hawk*	1399*	1367*	1642	1394	1341	4281*	4656*	4965	4086	4087	281*	338*	322	282	255	5961*	6361*	6929	5762	5683	6505*	6968*	7509	6260	6233
Boone	104	64	56	81	62	459	397	540	495	416	16	17	25	28	26	579	478	621	604	504	602	484	632	619	530
Bremer	60	76	60	57	57	228	188	215	197	176	12	18	18	7	7	300	282	293	261	240	310	287	306	270	255
Buchanan	122	120	175	133	146	253	277	268	271	277	27	28	28	30	20	402	425	471	434	443	417	441	495	455	462
Buena Vista	180	255	202	213	164	371	313	370	314	281	18	29	27	30	22	569	597	599	557	467	591	619	623	576	490
Butler	23	47	37	46	62	33	42	61	79	83	4	7	6	3	3	60	96	104	128	148	60	99	111	135	153
Calhoun	124	75	72	52	31	155	129	107	176	107	11	9	6	11	7	290	213	185	239	145	298	217	192	245	149
Carroll	61	48	66	85	50	432	399	326	308	335	28	19	20	11	21	521	466	412	404	406	527	480	421	408	414
Cass	63	56	77	56	56	234	297	269	272	248	23	13	19	18	10	320	366	365	346	314	334	378	369	357	322
Cedar*	57	68*	53	66*	98	227	121*	192	178*	206	25	9*	14	10*	13	309	198*	259	254*	317	318	211*	270	271*	337
Cerro Gordo	979	710	578	450	570	1983	1872	2326	2002	2196	112	106	102	87	94	3074	2688	3006	2539	2860	3394	2999	3378	2865	3210
Cherokee	90	32	68	34	13	184	233	269	169	137	12	17	19	12	12	286	282	356	215	162	295	293	368	228	172
Chickasaw*	3*	4*	38	23	33	45*	43*	66	78	129	4*	2*	2	11	9	52*	49*	106	112	171	58*	49*	112	119	185
Clarke*	118	79	99	32*	63	174	176	184	123*	139	19	14	22	11*	7	311	269	305	166*	209	333	274	321	171*	216
Clay	48	52	44	19	31	287	282	325	196	240	14	22	14	9	9	349	356	383	224	280	353	366	390	230	285
Clayton*	1*	36	25	31	26	12*	108	98	85	70	2*	5	3	3	8	15*	149	126	119	104	17*	164	132	123	107
Clinton*	29*	22*	33*	43*	54*	272*	230*	298*	244*	252*	6*	15*	17*	12*	5*	307*	267*	348*	299*	311*	316*	272*	358*	307*	318*
Crawford	30	17	14	6	9	179	205	201	157	160	22	11	16	3	2	231	233	231	166	171	240	242	251	171	174
Dallas*	111	103	152	89*	59*	519	504	636	536*	317*	44	36	38	14*	16*	674	643	826	639*	392*	704	676	877	658*	403*
Davis	2	31	51	42	28	128	116	107	95	71	4	8	3	4	2	134	155	161	141	101	136	158	163	144	105
Decatur*	7*	12*	21*	25*	43	22*	50*	63*	44*	110	4*	4*	12*	4*	3	33*	66*	96*	73*	156	33*	69*	106*	81*	165
Delaware*	25*	38	45	31	26	105*	120	188	168	158	7*	5	11	8	7	137*	163	244	207	191	160*	174	259	232	204
Des Moines*	534	664	539	78*	234	1528	2062	1757	348*	679	114	107	139	12*	41	2176	2833	2435	438*	954	2385	3034	2611	456*	989
Dickinson*	0*	1*	40*	48	54	0*	2*	135*	214	147	0*	0*	5*	13	9	0*	3*	180*	275	210	0*	3*	192*	284	233
Dubuque*	552	502	460	4*	15*	1834	1952	1520	38*	69*	125	92	101	2*	3*	2511	2546	2081	44*	87*	2723	2753	2111	44*	90*
Emmet*	142*	115	97	75	67	114*	143	164	118	160	12*	6	13	5	5	268*	264	274	198	232	281*	271	280	203	238
Fayette*	78	92	40*	28*	50*	211	235	54*	80*	89*	16	22	6*	10*	9*	305	349	100*	118*	148*	332	367	112*	127*	156*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.

Table 2. Property Crime and the Total Crime Index in Iowa's Counties, 1993-1997 (continued).

County	Burglary					Larceny					Motor Vehicle Theft					Property Crime Total					Total Crime Index					
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	
Floyd*	15*	24	45	68	47	182*	152	363	328	340	5*	1	7	17	10	202*	177	415	413	397	214*	181	435	444	422	
Franklin*	42*	10*	18*	15	7	185*	104*	129*	107	94	2*	4*	7*	7	7	229*	118*	154*	129	108	237*	118*	162*	133	111	
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	
Greene*	27*	24*	10*	20*	16*	41*	30*	32*	20*	27*	3*	2*	4*	4*	3*	71*	56*	46*	44*	46*	73*	56*	48*	46*	51*	
Grundy*	37	16*	31*	24	18	67	60*	61*	66	37	3	1*	3*	5	0	107	77*	95*	95	55	107	80*	95*	98	56	
Guthrie	46	28	38	30	31	81	87	74	107	104	10	9	13	10	8	137	124	125	147	143	139	124	126	148	147	
Hamilton	115	53	87	45	45	379	441	402	311	337	32	26	27	20	22	526	520	516	376	404	534	531	527	384	417	
Hancock	29	19	16	10	21	74	84	72	50	38	11	5	8	7	5	114	108	96	67	64	118	118	103	74	68	
Hardin	69	56	94	110	81	220	234	325	294	301	30	17	31	30	15	319	307	450	434	397	339	319	468	443	411	
Harrison*	78	0*	36	25	37	195	1*	74	59	76	32	0*	5	9	6	305	1*	115	93	119	321	1*	117	98	122	
Henry	90	125	132	119	122	292	374	349	325	327	34	28	52	16	15	416	527	533	460	464	467	579	590	501	517	
Howard	15	36	15	11	12	98	151	126	123	60	9	2	6	7	1	122	189	147	141	73	130	194	149	150	81	
Humboldt*	34	26*	11*	14*	7*	164	111*	107*	138*	44*	3	4*	5*	4*	1*	201	141*	123*	156*	52*	201	146*	126*	161*	54*	
Ida*	4	3	15	18	0*	71	64	95	77	0*	1	2	1	3	0*	76	69	111	98	0*	76	70	111	103	0*	
Iowa	44	36	32	23	4	68	95	67	40	4	10	11	8	7	4	122	142	107	70	12	125	150	112	80	14	
Jackson	72	82	71	87	96	341	345	307	229	301	22	15	26	18	17	435	442	404	334	414	437	448	409	341	425	
Jasper	265	205	228	116	129	872	692	824	525	541	112	67	100	53	39	1249	964	1152	694	709	1277	981	1186	720	730	
Jefferson	84	112	174	108	89	348	403	360	440	437	27	34	17	23	29	459	549	551	571	555	502	583	588	603	581	
Johnson*	623*	868	707*	677*	83*	2236*	3088	2655*	2313*	209*	131*	137	116*	160*	13*	2990*	4093	3478*	3150*	305*	3477*	4520	3846*	3482*	372*	
Jones*	32*	11*	42	25	43	145*	167*	282	168	185	13*	3*	21	14	11	190*	181*	345	207	239	197*	182*	354	213	248	
Keokuk	39	32	50	41	68	42	85	115	148	128	1	3	11	15	3	82	120	176	204	199	87	123	185	210	204	
Kossuth	80	76	59	51	35	153	162	157	151	152	16	12	10	8	17	249	250	226	210	204	260	268	244	223	217	
Lee*	184	340	106*	169	98*	1029	1080	606*	806	468*	41	47	31*	33	25*	1254	1467	743*	1008	591*	1425	1659	769*	1128	603*	
Linn*	253*	290*	259*	268*	273*	885*	1056*	988*	807*	445*	55*	63*	77*	52*	60*	1193*	1409*	1324*	1127*	778*	1305*	1512*	1412*	1208*	881*	
Louisa	31	26	39	47	82	157	211	228	181	203	14	13	39	22	18	202	250	306	250	303	206	261	312	260	313	
Lucas	123	55	54	35	12	366	234	229	220	63	32	12	19	11	2	521	301	302	266	77	543	319	320	273	81	
Lyon	17	24	12	9	17	60	58	69	51	51	0	0	1	3	4	77	82	82	63	72	83	96	89	64	77	
Madison*	36*	21*	40	38	16	57*	60*	180	154	99	3*	7*	10	10	10	96*	88*	230	202	125	102*	92*	250	208	125	
Mahaska	271	143	96	91	58	353	373	301	314	267	27	44	25	19	18	651	560	422	424	343	672	598	473	466	374	
Marion*	102	67*	49*	40*	49*	459	388*	348*	313*	263*	39	32*	28*	18*	4*	600	487*	425*	371*	316*	651	512*	459*	396*	338*	
Marshall	482	361	322	300	259	1116	1109	862	1015	982	80	64	70	57	59	1678	1534	1254	1372	1300	1993	1673	1393	1520	1432	
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	19	20	26	14	40	55	44	74	68	153	5	2	4	7	7	79	66	104	89	200	81	69	108	95	208	

Table 2. Property Crime and the Total Crime Index in Iowa's Counties, 1993-1997 (continued).

County	Burglary					Larceny					Motor Vehicle Theft					Property Crime Total					Total Crime Index					
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	
Monona	103	149	108	87	97	167	186	189	153	175	18	9	21	10	14	288	344	318	250	286	317	363	345	281	307	
Monroe*	0*	0*	4*	6*	11*	0*	0*	5*	28*	55*	1*	0*	1*	5*	13*	1*	0*	10*	39*	79*	1*	0*	13*	40*	83*	
Montgomery*	83*	69*	90*	88*	77*	348*	399*	359*	351*	326*	17*	23*	22*	16*	11*	448*	491*	471*	455*	414*	471*	513*	489*	472*	435*	
Muscatine	674	656	544	479	261	624	840	900	777	556	78	68	85	82	43	1376	1564	1529	1338	860	1518	1695	1687	1479	931	
O'Brien	89	73	112	64	52	192	169	109	159	178	16	14	8	11	17	297	256	229	234	247	315	268	237	248	255	
Osceola	18	26	46	33	33	57	79	66	99	58	2	8	6	1	3	77	113	118	133	94	79	114	118	139	99	
Page*	97*	59*	83	69*	68	347*	326*	293	269*	284	28*	16*	30	21*	19	472*	401*	406	359*	371	506*	424*	433	371*	385	
Palo Alto*	28*	24*	57	51	50	65*	62*	140	133	114	3*	6*	4	3	2	96*	92*	201	187	166	107*	94*	208	189	170	
Plymouth	111	101	178	166	71	259	256	267	278	227	18	13	23	14	15	388	370	468	458	313	409	403	502	484	341	
Pocahontas	16	14	17	20	23	26	42	56	54	89	2	3	1	1	5	44	59	74	75	117	45	60	76	75	120	
Polk*	3545*	2787*	3016	2522	2720*	16880*	15835*	16583	14508	15287*	1799*	1567*	1663	1156	1047*	22224*	20189*	21262	18186	19054*	23515*	21416*	22611	19327	20185*	
Pottawattamie	38*	56*	50*	34*	35*	59*	68*	88*	73*	71*	12*	19*	24*	11*	12*	109*	143*	162*	118*	118*	119*	143*	163*	122*	121*	
Poweshiek*	61*	0*	81*	6*	45	83*	0*	100*	22*	103	9*	1*	17*	1*	7	153*	1*	198*	29*	155	155*	1*	198*	32*	164	
Ringgold*	7	0	4	0*	1	24	28	12	1*	33	2	1	2	0*	2	33	29	18	1*	36	33	29	18	1*	36	
Sac*	59	42	14	12*	19	100	105	75	71*	73	4	4	2	1*	4	163	151	91	84*	96	167	166	94	88*	100	
Scott	1718	1731	1896	1982	2140	5284	6427	6802	6117	6475	507	544	640	557	417	7509	8702	9338	8656	9032	8914	10297	11282	10455	10749	
Shelby*	22*	30*	18*	0*	0*	100*	115*	109*	0*	0*	7*	3*	4*	0*	0*	129*	148*	131*	0*	0*	138*	162*	146*	0*	0*	
Sioux*	28*	30*	42*	25*	30*	121*	124*	106*	116*	112*	12*	6*	6*	4*	8*	161*	160*	154*	145*	150*	172*	166*	162*	149*	159*	
Story	379	369	362	378	332	1902	2074	2068	2217	2233	79	88	85	77	86	2360	2531	2515	2672	2651	2425	2592	2596	2767	2753	
Tama*	80*	87*	97*	89	64	150*	165*	144*	195	234	30*	20*	27*	30	21	260*	272*	268*	314	319	326*	320*	314*	347	348	
Taylor	18	24	22	29	24	28	35	32	28	30	4	1	0	4	3	50	60	54	61	57	52	69	56	63	59	
Union*	30*	20*	3*	30*	47	190*	155*	19*	161*	225	20*	7*	3*	10*	13	240*	182*	25*	201*	285	256*	189*	26*	208*	294	
Van Buren*	16	15*	73	14*	41	102	28*	87	43*	109	15	7*	39	2*	9	133	50*	199	59*	159	140	50*	201	60*	163	
Wapello*	336	239	340	159*	71*	1114	1183	1160	569*	59*	67	43	50	22*	14*	1517	1465	1550	750*	144*	1589	1563	1615	801*	153*	
Warren*	173*	179	245*	207	178	599*	682	659*	771	704	41*	36	48*	36	29	813*	897	952*	1014	911	861*	954	1002*	1049	962	
Washington*	18*	18*	6*	0*	0*	18*	23*	15*	0*	0*	4*	1*	1*	0*	0*	40*	42*	22*	0*	0*	43*	44*	23*	0*	0*	
Wayne	40	45	59	61	46	73	78	91	62	70	6	8	12	8	6	119	131	162	131	122	123	142	170	145	130	
Webster*	500	395	374	218*	247*	1546	1664	1418	980*	1046*	109	142	113	80*	59*	2155	2201	1905	1278*	1352*	2336	2372	2098	1427*	1546*	
Winnebago*	16*	24	42	39	55	25*	27	71	74	89	5*	6	6	4	11	46*	57	119	117	155	56*	68	138	137	181	
Winneshek	35	45	85	55	72	216	219	232	189	216	12	15	19	16	17	263	279	336	260	305	270	290	368	289	329	
Woodbury*	1192*	1181*	1459*	1139*	1401	4738*	4997*	5146*	4317*	4685	349*	426*	463*	313*	275	6279*	6604*	7068*	5769*	6361	6964*	7330*	8568*	7029*	7690	
Worth*	34	4*	39	12	19	49	6*	51	29	36	6	1*	5	1	4	89	11*	95	42	59	104	14*	100	50	63	
Wright	50	31	31	21	35	108	123	145	86	91	12	11	37	5	5	170	165	213	112	131	179	177	223	128	136	
State of Iowa*	16664*	14208*	13955*	17644*	61342*	63870*	54424*	64808*	52609*	5107*	4793*	3866*	3283*	84628*	85327*	72498*	69847*	91860*	92444*	95890*	79555*	76577*				

More than 61,300 larcenies were reported to the Iowa Department of Public Safety in 1997. Polk's total of 16,880 larcenies was substantially higher than all others, although yet another reminder is necessary that caution should be exercised in interpreting these numbers because of underreporting in some counties. Twelve other counties had at least 1,000 larcenies that year. Twenty-nine counties reported at least 1 but fewer than 100 larcenies in 1997.

About 5,100 motor vehicle thefts occurred in 1997. Polk's 1,799 was more than three times the 507 motor vehicle thefts in Scott, which reported the second highest total. When summed, more than 84,600 property crimes were reported in 1997 (Table 2). As would be expected based on the information for individual property crimes, Polk's total number of property crimes was more than twice that of Scott, which had the next highest total.

Total Crime Index

The addition of serious and property crimes results in a total crime index. This total was about 91,900 in 1997 (Table 2).

Notes: The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. See lists of jurisdictions not reporting or providing insufficient data in a note at the end of the section on domestic abuse included in this volume.

Four violent crimes are included in this report: murder (the willful nonnegligent killing of one human being by another), forcible rape (the carnal knowledge of a person, forcibly and/or against that person's will; or, not forcibly or against the person's will where the victim is incapable of giving consent because of her/his temporary or permanent mental or physical incapacity), robbery (taking, or attempting to take, anything of value under confrontational circumstances from the control, custody, or care of another person by force or threat of force or violence and/or by putting the victim in fear of immediate harm), and aggravated assault (an unlawful attack by one person upon another wherein the offender uses a weapon or displays it in a threatening manner, or the victim suffers obvious severe or aggravated bodily injury). Three property crimes are among these serious crimes: burglary (the unlawful entry into a building or other structure with the intent to commit a felony or a theft), larceny (the unlawful taking, carrying, leading, or riding away of property from the possession, or constructive possession, of another person), and motor vehicle theft (the theft of a motor vehicle).

Arrests of Juveniles in Iowa's Counties: 1993-1997

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In addition to records on crimes reported in the state, the Iowa Department of Public Safety tracks the numbers arrested for committing these crimes. Arrests of juveniles (persons under the age of 18) are highlighted in this report.

Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on juvenile arrests were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. The number of law enforcement units reporting data has changed from one year to the next; estimates suggest that only two-thirds of the data were reported in 1993, for example. This remains a problem, although the magnitude of missing data has diminished somewhat. Still, comparisons of 1993-1997 numbers are not appropriate either for the state or for many counties. ***Jurisdictions not reporting or those providing insufficient data are listed on page 434. Counties in which this occurred are highlighted in Tables 1 and 2; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.***

Arrests for Group A Crimes

The most serious offenses are called Group A crimes. In 1997, 13,122 arrests of juveniles were reported for crimes in this group (Table 1). An individual juvenile may have been arrested for more than one crime; thus, the numbers in this report must be interpreted as the numbers of arrests and not the numbers of juveniles that have been arrested. Arrests of juveniles for Group A crimes exceeded 500 in six counties (Black Hawk, Cerro Gordo, Johnson, Polk, Scott, Woodbury) in 1997. On the other hand, 14 others had 1-10 arrests of juveniles for these crimes in 1997. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

Each of the seven specific Group A crimes reported separately in Table 1—aggravated assault, simple assault, burglary, larceny, motor vehicle theft, vandalism of property, drug offenses—had at least 450 juvenile arrests statewide in 1997. Several others (murder, kidnapping, sexual assault, robbery, intimidation, arson, extortion/blackmail, theft by fraud, stolen property, incest, statutory rape, gambling, prostitution) had relatively small numbers of arrests (most under 100) and are reported as other Group A offenses.

Arrests for larceny (the unlawful taking, carrying, leading, or riding away of property from the possession, or constructive possession, of another person) accounted for 42.1 percent (5,530) of the total arrests of juveniles for Group A crimes in 1997. Simple assault, vandalism of property, and drug offenses also had at least 1,000 arrests of juveniles. The four most frequently reported arrest categories constituted more than three-quarters (76.8%) of the juvenile arrests in 1997.

Table 1. Juvenile Arrests for Group A Offenses in Iowa's Counties, 1993-1997.

County	Aggravated Assault					Simple Assault					Burglary					Larceny					Motor Vehicle Theft				
	1997	1966	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	1	0	0	0	0	0	1	0	0	1	0	2	0	1	0	0	2	0	3	1	0	0	0	0	0
Adams	0	1	0	0	0	0	0	2	0	0	7	10	2	1	6	6	5	2	0	0	0	4	2	0	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	0	3	1	2	2	20	29	25	17	26	6	4	3	0	8	43	43	48	31	35	12	12	2	0	2
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*
Benton*	5*	0*	0*	2*	0*	10*	5*	10*	6*	6*	1*	0*	9*	4*	7*	9*	9*	18*	7*	4*	0*	0*	0*	5*	1*
Black Hawk*	27*	31*	31	19	10	191*	196*	136	175	68	75*	72*	50	62	35	509*	529*	425	315	169	25*	40*	43	36	4
Boone	5	0	0	0	4	11	14	17	7	14	4	3	5	12	5	33	28	37	55	35	3	7	2	7	7
Bremer	1	0	4	0	3	9	7	11	1	4	4	12	8	5	9	24	27	30	29	20	8	5	10	2	1
Buchanan	0	2	4	3	10	23	13	8	12	10	45	19	22	16	12	30	29	18	32	39	0	3	0	2	0
Buena Vista	5	3	1	2	4	35	14	16	12	12	25	11	13	29	4	62	26	48	30	31	1	2	6	4	8
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Calhoun	1	0	0	0	0	0	0	0	1	1	2	2	0	0	0	9	4	0	0	0	0	0	0	0	0
Carroll	1	4	3	1	5	24	20	8	9	6	0	7	2	1	0	33	37	39	5	27	3	2	0	1	1
Cass	0	1	1	0	1	6	2	1	7	1	4	4	6	8	3	32	1	4	13	22	1	0	0	3	0
Cedar*	0	0*	1	0*	2	3	3*	8	5*	11	3	7*	9	0*	2	9	3*	11	5*	4	0	1*	2	0*	3
Cerro Gordo	38	31	39	46	59	35	58	56	45	59	36	41	30	67	60	287	212	312	231	255	3	10	21	17	19
Cherokee	4	2	6	1	1	22	13	24	27	11	1	4	5	3	3	45	52	36	33	62	0	1	5	4	2
Chickasaw*	0*	0*	0	0	0	0*	2*	6	0	0	0*	0*	1	0	0	2*	4*	4	6	10	0*	0*	0	1	0
Clarke*	2	0	2	0*	0	8	9	4	4*	1	1	2	3	1*	1	5	10	4	6*	11	0	1	0	0*	0
Clay	4	1	0	0	0	11	21	9	0	0	10	11	11	6	5	68	74	52	6	5	9	17	5	0	0
Clayton*	0*	0	0	0	0	0*	1	2	0	1	0*	0	1	0	0	0*	0	3	2	0	0*	1	0	0	0
Clinton*	1*	0*	2*	4*	2*	3*	6*	10*	6*	4*	9*	6*	0*	4*	3*	13*	9*	11*	15*	23*	0*	1*	6*	4*	2*
Crawford	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	0
Dallas*	2	1	2	2*	0*	18	18	9	29*	18*	7	5	3	10*	1*	23	34	40	55*	42*	0	6	5	2*	3*
Davis	0	0	0	0	0	0	0	1	0	1	0	0	0	3	6	0	2	0	1	7	0	0	0	0	0
Decatur*	0*	0*	0*	2*	1	0*	0*	0*	1*	1	0*	0*	0*	3*	2	0*	2*	0*	8*	5	0*	0*	0*	2*	1
Delaware*	3*	4	0	7	1	12*	15	9	13	4	13*	14	4	14	6	14*	25	25	29	16	4*	0	4	2	0
Des Moines*	25	29	11	1*	3	60	107	57	17*	35	12	53	18	8*	16	129	198	140	19*	70	4	13	7	2*	10
Dickinson*	0*	0*	3*	1	2	0*	0*	3*	0	1	0*	0*	1*	4	0	0*	0*	18*	13	12	0*	0*	0*	1	0
Dubuque*	13	5	2	0*	1*	111	82	52	0*	2*	24	16	11	1*	0*	152	123	86	5*	8*	20	11	7	1*	2*
Emmet	1*	2	1	0	0	2*	16	8	2	7	1*	0	0	7	0	10*	8	11	0	0	7*	2	0	0	0
Fayette*	3	2	1*	0*	0*	7	1	3*	3*	1*	5	3	0*	0*	0*	14	3	4*	1*	6*	1	0	1*	0*	1*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 1. Juvenile Arrests for Group A Offenses in Iowa's Counties, 1993-1997 (continued).

County	Aggravated Assault					Simple Assault					Burglary					Larceny					Motor Vehicle Theft				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Floyd*	0*	0	6	4	2	33*	8	29	22	21	2*	2	5	16	4	13*	10	54	47	54	1*	0	4	0	0
Franklin*	4*	0*	1*	1	1	14*	16*	12*	17	6	2*	4*	4*	5	2	29*	12*	28*	17	20	1*	3*	9*	5	0
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	0	0*	0*	1	0	1	0*	0*	1	0	2	0*	3*	4	2	11	0*	0*	1	3	1	0*	0*	2	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	4	1	4	3	1	12	10	25	15	39	26	10	11	10	7	35	41	44	24	38	3	3	6	1	1
Hancock	0	2	2	3	2	6	3	4	0	3	2	4	3	1	7	5	9	4	4	11	5	2	3	0	1
Hardin	2	0	3	1	3	10	18	7	19	13	12	12	10	20	13	27	35	24	20	59	6	3	6	9	5
Harrison*	1	0*	0	0	0	4	0*	1	2	2	0	0*	0	2	0	3	0*	0	0	6	4	0*	0	0	0
Henry	4	9	6	6	6	10	14	14	12	13	4	19	12	10	8	17	56	44	25	41	4	8	8	1	3
Howard	1	1	0	1	0	8	10	6	2	1	16	11	6	1	0	9	30	7	26	4	8	1	4	2	0
Humboldt*	0	0*	0*	0*	0*	3	0*	0*	0*	0*	1	4*	0*	0*	0*	21	7*	3*	2*	0*	0	0*	0*	0*	0*
Ida*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*
Iowa	0	0	0	0	0	0	2	7	4	1	0	1	1	0	0	2	7	4	4	0	1	1	2	1	0
Jackson	1	3	3	1	1	13	10	18	5	11	12	3	1	1	1	33	33	37	17	16	2	2	3	13	2
Jasper	5	7	7	2	5	42	22	30	20	12	17	11	23	6	7	33	10	42	21	12	10	9	1	14	1
Jefferson	4	0	1	4	1	11	5	7	3	4	10	7	5	0	5	24	14	18	18	20	4	3	0	2	0
Johnson*	47*	39	51*	39*	8*	57*	48	48*	49*	2*	37*	54	39*	36*	9*	204*	291	209*	248*	7*	13*	8	7*	17*	5*
Jones*	1*	0*	0	0	0	4*	7*	0	6	7	3*	0*	2	0	3	7*	12*	15	14	11	2*	0*	0	1	1
Keokuk	0	0	0	0	0	0	0	0	0	1	0	0	0	4	8	0	1	0	0	5	0	0	1	1	0
Kossuth	0	1	2	1	0	6	6	4	5	3	8	17	6	11	0	28	35	24	28	24	12	2	0	2	2
Lee*	32	37	1*	8	2*	69	69	30*	53	32*	31	73	10*	28	11*	109	122	81*	105	55*	9	13	1*	9	1*
Linn*	20*	27*	19*	14*	8*	32*	29*	27*	45*	18*	16*	38*	27*	54*	23*	49*	67*	73*	55*	12*	6*	14*	12*	10*	17*
Louisa	0	0	0	3	0	1	4	1	13	13	0	0	0	6	10	0	2	0	7	4	1	0	2	1	5
Lucas	3	1	0	0	1	9	6	8	12	0	0	5	1	1	0	22	19	22	15	4	1	0	0	2	0
Lyon	2	4	0	0	0	1	4	3	2	1	5	0	1	1	10	12	3	5	6	9	0	0	0	0	3
Madison*	0*	0*	0	0	0	0*	0*	0	0	0	0*	0*	0	0	0	0*	0*	1	0	3	0*	0*	0	0	0
Mahaska	0	4	7	0	4	21	10	12	14	10	13	11	35	13	6	51	40	33	27	33	6	8	2	3	8
Marion*	6	3*	4*	1*	1*	8	9*	5*	7*	3*	1	2*	4*	0*	3*	43	24*	9*	10*	21*	6	1*	2*	0*	0*
Marshall	42	13	22	25	21	56	82	58	57	59	13	23	16	22	18	151	175	109	105	107	6	4	10	19	9
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	1	0	1	0	3	0	1	0	4	2	7	8	12	9	8	0	0	0	3	1

Table 1. Juvenile Arrests for Group A Offenses in Iowa's Counties, 1993-1997 (continued).

County	Aggravated Assault					Simple Assault					Burglary					Larceny					Motor Vehicle Theft				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Monona	2	0	0	0	0	3	1	0	4	1	3	19	0	0	3	10	0	0	2	6	0	0	0	0	0
Monroe*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	2*	1*	0*	0*	0*	0*	0*
Montgomery*	3*	1*	1*	0*	1*	12*	17*	25*	20*	26*	0*	0*	5*	7*	12*	14*	32*	27*	24*	30*	1*	7*	5*	4*	4*
Muscatine	33	37	33	36	19	40	37	60	63	62	50	56	43	32	44	92	173	179	146	152	24	21	21	19	7
O'Brien	4	1	0	1	1	11	19	10	10	10	10	8	10	7	11	35	46	28	29	33	1	7	3	2	4
Osceola	0	0	0	0	0	11	7	4	6	5	4	5	6	9	4	10	3	5	14	10	0	2	3	0	1
Page*	5*	2*	2	1*	0	14*	14*	10	11*	16	6*	0*	11	6*	1	47*	42*	11	16*	14	2*	0*	3	0*	1
Palo Alto*	1*	0*	0	0	0	2*	0*	1	0	2	5*	0*	0	4	2	1*	1*	14	5	10	0*	0*	0	0	0
Plymouth	0	1	0	3	2	11	13	16	5	4	4	0	9	1	2	11	21	13	11	16	0	1	1	1	0
Pocahontas	0	0	3	0	0	0	0	0	4	0	0	4	0	0	0	0	3	2	3	1	1	1	2	0	0
Polk*	56*	19*	30	17	4*	203*	48*	46	53	21*	64*	58*	20	40	26*	968*	430*	317	329	211*	68*	19*	14	25	23*
Pottawattamie*	0*	0*	0*	0*	0*	6*	4*	1*	2*	1*	4*	3*	3*	2*	10*	4*	5*	0*	2*	4*	4*	2*	0*	4*	0*
Poweshiek*	0*	0*	0*	0*	0	0*	0*	0*	0*	0	0*	0*	3*	0*	1	0*	0*	5*	0*	1	0*	0*	1*	0*	1
Ringgold*	0	0	0	0*	0	0	0	0	0*	0	0	0	0*	0	0	0	0	0*	0	0	0	0	2	0*	0
Sac*	1	2	0	0*	0	1	3	0	0*	0	4	0	0	2*	4	2	2	1	0*	4	0	0	0	1*	0
Scott	121	132	149	174	131	195	197	185	179	135	129	111	99	145	180	744	658	595	640	619	63	75	125	75	67
Shelby*	0*	2*	0*	0*	0*	0*	0*	2*	0*	0*	1*	4*	0*	0*	0*	14*	9*	14*	0*	0*	2*	2*	0*	0*	0*
Sioux*	0*	2*	2*	0*	0*	1*	1*	2*	4*	1*	1*	4*	8*	12*	16*	1*	9*	4*	9*	8*	6*	3*	11*	0*	3*
Story	1	4	5	5	8	48	30	42	29	18	18	33	20	25	31	123	130	132	90	108	14	10	6	3	12
Tama*	7*	7*	7*	2	1	7*	3*	8*	6	4	13*	6*	16*	6	11	11*	17*	7*	5	7	6*	3*	3*	2	3
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	0*	0*	3	0*	0*	0*	5*	8	1*	0*	1*	2*	2	3*	1*	2*	20*	20	1*	0*	1*	4*	0
Van Buren*	0	0*	0	0*	0	0	0*	0	0*	1	0	2*	0	0*	2	0	3*	0	0*	1	0	0*	0	0*	0
Wapello*	9	11	2	1*	0*	44	60	62	47*	4*	9	5	6	14*	13*	49	53	49	67*	5*	0	4	1	3*	3*
Warren*	3*	2	6*	0	4	8*	13	23*	24	23	6*	4	22*	24	20	39*	35	51*	62	43	2*	2	5*	3	1
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0
Webster*	5	28	21	6*	6*	39	26	30	5*	28*	14	15	23	1*	14*	90	117	57	16*	63*	0	0	2	0*	3*
Winnebago*	0*	0	1	4	3	1*	6	4	8	4	1*	1	4	8	7	0*	5	3	17	9	2*	1	0	4	0
Winneshiek	0	0	0	0	0	2	5	2	5	8	1	2	0	7	10	23	11	22	8	35	2	0	4	7	1
Woodbury*	81*	138*	195*	198*	173	324*	389*	187*	231*	289	85*	72*	105*	100*	153	723*	816*	544*	588*	654	53*	63*	40*	51*	50
Worth*	0	0*	0	1	0	0	0*	1	1	1	0	0*	0	0	0	0	0*	0	0	0	1	0*	0	0	0
Wright	4	0	1	3	1	2	5	5	0	1	4	8	7	0	4	7	2	8	12	7	1	0	1	1	4
State of Iowa*	657*	663*	713*	663*	535*	2038*	1943*	1578*	1506*	1257*	965*	1041*	864*	980*	937*	5530*	5188*	4419*	3927*	3578*	468*	448*	465*	423*	320*

Table 1. Juvenile Arrests for Group A Offenses in Iowa's Counties, 1993-1997 (continued).

County	Vandalism of Property					Drug Offenses					Other Group A Offenses					Total Group A Offenses				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	2	6	4	2	1	0	3	2	0	0	1	0	0	0	0	4	14	6	6	3
Adams	2	2	10	5	0	0	0	0	0	0	0	1	2	0	0	15	23	20	6	6
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	8	8	15	5	7	2	4	5	0	1	11	7	7	8	5	102	110	106	63	86
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*
Benton*	0*	2*	1*	1*	4*	1*	5*	2*	3*	1*	1*	1*	2*	2*	0*	27*	22*	42*	30*	23*
Black Hawk*	95*	101*	82	70	29	116*	104*	52	20	6	68*	74*	53	51	16	1106*	1147*	872	748	337
Boone	6	11	14	28	33	5	8	7	2	1	7	7	12	8	7	74	78	94	119	106
Bremer	4	2	3	2	0	17	8	4	5	1	2	5	1	5	4	69	66	71	49	42
Buchanan	6	14	5	16	22	3	10	3	2	0	17	10	2	5	3	124	100	62	88	96
Buena Vista	32	9	24	16	2	5	12	5	1	0	14	0	13	9	12	179	77	126	103	73
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Calhoun	0	5	0	0	3	0	0	0	0	0	0	1	0	1	0	12	12	0	2	4
Carroll	19	21	17	13	18	3	1	0	0	0	7	13	3	5	2	90	105	72	35	59
Cass	8	5	4	3	1	5	4	1	2	1	2	2	1	6	3	58	19	18	42	32
Cedar*	6	3*	7	3*	7	6	5*	5	4*	1	2	2*	0	7*	10	29	24*	43	24*	40
Cerro Gordo	94	106	63	90	70	30	37	17	16	8	28	35	31	36	29	551	530	569	548	559
Cherokee	8	16	18	13	18	3	2	1	0	0	3	2	16	8	6	86	92	111	89	103
Chickasaw*	0*	3*	1	0	0	1*	1*	0	1	0	0*	0*	0	1	0	3*	10*	12	9	10
Clarke*	3	0	1	1*	2	0	1	0	0*	0	1	3	2	2*	0	20	26	16	14*	15
Clay	20	18	0	0	3	8	16	3	0	0	10	4	0	2	0	140	162	80	14	13
Clayton*	0*	0	5	2	3	0*	1	0	0	0	0*	0	1	1	0	0*	3	12	5	4
Clinton*	5*	7*	24*	8*	14*	5*	2*	1*	1*	0*	1*	0*	2*	1*	1*	37*	31*	56*	43*	49*
Crawford	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	5	0	1	1
Dallas*	9	22	17	9*	17*	4	4	1	1*	2*	3	9	3	17*	5*	66	99	80	125*	88*
Davis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	4	14
Decatur*	0*	0*	0*	1*	1	0*	0*	2*	1*	0	0*	0*	1*	1*	2	0*	2*	3*	19*	13
Delaware*	3*	10	11	8	8	2*	2	3	5	0	1*	1	5	7	7	52*	71	61	85	42
Des Moines*	22	43	39	13*	31	14	23	18	0*	1	20	6	17	5*	15	286	472	307	65*	181
Dickinson*	0*	0*	6*	6	7	0*	1*	1*	2	0	0*	0*	4*	1	0	0*	1*	36*	28	22
Dubuque*	23	17	24	0*	0*	25	23	5	0*	0*	28	15	17	1*	0*	396	292	204	8*	13*
Emmet*	0*	0	0	0	0	0*	0	1	0	0	0*	0	0	0	0	21*	28	21	9	7
Fayette*	2	3	0*	6*	1*	2	3	2*	1*	0*	3	2	1*	1*	4*	37	17	12*	12*	13*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 1. Juvenile Arrests for Group A Offenses in Iowa's Counties, 1993-1997 (continued).

County	Vandalism of Property					Drug Offenses					Other Group A Offenses					Total Group A Offenses				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Floyd*	5*	8	11	6	13	4*	4	8	4	1	1*	1	5	8	6	59*	33	122	107	101
Franklin*	2*	1*	15*	12	11	7*	5*	2*	1	0	3*	2*	8*	24	1	62*	43*	79*	82	41
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	3	0*	0*	1	0	6	0*	1*	0	0	0	0*	0*	2	0	24	0*	4*	12	5
Guthrie	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Hamilton	12	7	33	16	25	8	2	2	0	0	2	6	3	3	4	102	80	128	72	115
Hancock	8	3	5	2	6	2	1	0	0	0	3	8	3	3	7	31	32	24	13	37
Hardin	7	4	7	7	25	6	4	0	4	1	1	2	1	5	3	71	78	58	85	122
Harrison*	3	0*	2	0	2	5	0*	0	3	0	0	0*	1	0	0	20	0*	4	7	10
Henry	19	18	10	11	10	5	5	8	5	2	5	4	5	10	7	68	133	107	80	90
Howard	17	20	5	9	9	3	2	2	0	0	4	2	0	3	0	66	77	30	44	14
Humboldt*	3	3*	0*	0*	0*	0	0*	0*	0*	0*	8	1*	0*	0*	0*	36	15*	3*	2*	0*
Ida*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0*	0	0	0	0	0	0*
Iowa	1	2	6	1	2	1	1	1	0	0	4	0	2	2	0	9	14	23	12	3
Jackson	10	7	22	20	6	5	3	1	2	0	5	0	2	5	2	81	61	87	64	39
Jasper	23	15	14	11	3	17	13	6	2	2	8	7	7	7	6	155	94	130	83	48
Jefferson	2	0	6	7	5	7	5	0	0	6	6	1	3	0	1	68	35	40	34	42
Johnson*	62*	64	60*	55*	11*	95*	111	45*	58*	0*	41*	47	45*	58*	7*	556*	662	504*	560*	49*
Jones*	0*	1*	4	1	19	2*	2*	1	5	0	2*	1*	2	2	2	21*	23*	24	29	43
Keokuk	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1	1	5	14
Kossuth	8	21	11	12	6	2	0	0	1	0	4	4	2	2	10	68	86	49	62	45
Lee*	51	59	19*	46	35*	35	36	12*	7	1*	23	25	8*	6	5*	359	434	162*	262	142*
Linn*	41*	60*	37*	38*	28*	28*	37*	8*	0*	2*	5*	23*	22*	11*	4*	197*	295*	225*	227*	112*
Louisa	0	0	0	3	6	0	0	0	1	0	0	0	0	1	2	6	3	34	39	
Lucas	5	10	14	9	1	2	2	3	1	0	2	1	5	4	0	44	44	53	44	6
Lyon	3	1	0	1	4	0	0	5	0	0	3	2	1	2	2	26	14	15	12	29
Madison*	0*	0*	0	0	0	0*	0*	2	0	0	0*	0*	0	0	0	0*	0*	3	0	3
Mahaska	19	14	28	7	16	10	4	2	1	9	4	2	7	4	9	124	93	126	69	95
Marion*	7	6*	10*	9*	7*	7	7*	2*	0*	1*	6	1*	0*	2*	2*	84	53*	36*	29*	38*
Marshall	33	25	31	32	26	50	33	27	10	4	36	16	6	18	11	387	371	279	288	255
Mills*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*
Mitchell	3	10	18	0	0	3	0	0	0	4	4	3	2	0	0	18	22	33	16	18

Table 1. Juvenile Arrests for Group A Offenses in Iowa's Counties, 1993-1997 (continued).

County	Vandalism of Property					Drug Offenses					Other Group A Offenses					Total Group A Offenses				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Monona	3	18	0	0	4	2	4	1	0	1	5	0	2	0	0	28	42	3	6	15
Monroe*	0*	0*	0*	0*	0*	1*	0*	0*	0*	1*	0*	0*	0*	0*	0*	1*	0*	2*	2*	2*
Montgomery*	15*	10*	5*	16*	11*	5*	3*	1*	0*	1*	4*	11*	13*	6*	7*	54*	81*	82*	77*	92*
Muscatine	39	56	63	86	37	43	41	47	27	23	15	31	22	41	19	336	452	468	450	363
O'Brien	10	21	12	9	9	8	10	6	0	0	5	1	2	6	4	84	113	71	64	72
Osceola	0	7	0	10	4	0	2	0	0	0	1	1	0	4	1	26	27	18	43	25
Page*	11*	10*	5	10*	3	8*	2*	3	0*	2	12*	13*	2	3*	2	105*	83*	47	47*	39
Palo Alto*	3*	3*	15	0	0	0*	0*	0	0	0	0*	1*	3	0	5	12*	5*	33	9	19
Plymouth	6	5	14	10	7	3	8	6	5	0	3	4	1	5	3	38	53	60	41	34
Pocahontas	0	0	0	0	4	0	0	0	0	0	0	0	1	0	2	1	8	8	7	7
Polk*	125*	89*	90	60	24*	291*	100*	76	49	5*	103*	45*	41	36	12*	1878*	808*	634	609	326*
Pottawattamie*	3*	4*	2*	2*	1*	2*	3*	1*	6*	0*	2*	0*	1*	0*	0*	25*	21*	8*	18*	16*
Poweshiek*	2*	0*	2*	0*	6	0*	0*	0*	0*	0	0*	0*	0*	0*	0	2*	0*	11*	0*	9
Ringgold*	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	2	0*	0
Sac*	2	4	0	2*	1	0	0	0	0*	0	0	1	0	1*	2	10	12	1	6*	11
Scott	110	136	153	144	123	243	281	214	150	108	135	167	197	197	184	1740	1757	1717	1704	1547
Shelby*	0*	3*	14*	0*	0*	2*	1*	1*	0*	0*	7*	2*	2*	0*	0*	26*	23*	33*	0*	0*
Sioux*	7*	0*	19*	2*	11*	1*	5*	1*	0*	0*	6*	5*	3*	2*	5*	23*	29*	50*	29*	44*
Story	34	42	31	22	41	30	35	16	12	2	22	24	14	17	9	290	308	266	203	229
Tama*	10*	18*	4*	20	5	9*	2*	1*	1	0	5*	3*	4*	1	0	68*	59*	50*	43	31
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	3*	0*	0*	2*	15	0*	0*	0*	0*	0	1*	0*	0*	2*	0	9*	1*	4*	35*	48
Van Buren*	1	2*	0	0*	12	0	0*	0	0*	0	0	0*	0	1*	0	1	7*	0	1*	16
Wapello*	6	7	8	2*	7*	0	1	3	1*	0*	3	4	4	5*	0*	120	145	135	140*	32*
Warren*	6*	11	15*	10	12	14*	19	8*	16	13	11*	10	16*	5	9	89*	96	146*	144	125
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Wayne	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	0	2	0	0
Webster*	18	16	11	4*	8*	11	7	0	0*	4*	3	5	6	0*	3*	180	214	150	32*	129*
Winnebago*	3*	3	2	30	1	3*	6	5	2	1	1*	2	1	3	17	11*	24	20	76	42
Winneshiek	1	5	22	2	5	2	3	0	1	1	3	5	4	1	2	34	31	54	31	62
Woodbury*	81*	107*	109*	233*	134	140*	116*	102*	38*	47	85*	144*	117*	102*	124	1572*	1845*	1399*	1541*	1624
Worth*	0	0*	0	2	1	2	1*	4	0	1	0	1*	0	2	0	3	2*	5	6	3
Wright	6	7	10	9	5	1	2	0	4	0	0	2	2	0	1	25	26	34	29	23
State of Iowa*	1123*	1377*	1369*	1325*	1069*	1388*	1212*	775*	484*	266*	844*	841*	795*	812*	633*	13122*	12713*	10978*	10120*	8595*

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa's Counties, 1993-1997.

County	Curfew/Loitering					Disorderly Conduct					Driving Under the Influence					Drunkenness					Liquor Law Violation				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	5	28	4	12	8
Adams	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	7	14	14	5	2
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	1*	0*	0*	0*	0*	0*	0*	3*	1*	1*	2*	3*
Appanoose	13	16	0	16	14	9	11	23	8	18	8	3	0	2	2	2	6	7	3	2	17	24	12	26	26
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	0*	1*	0*	0*	0*	0*	0*	4*	4*	5*	1*	2*
Benton*	0*	0*	0*	0*	0*	3*	4*	4*	5*	0*	3*	3*	1*	3*	0*	5*	3*	0*	3*	0*	5*	25*	17*	6*	21*
Black Hawk*	234*	102*	15	24	38	158*	124*	119	126	131	12*	13*	9	6	14	9*	5*	10	8	12	71*	97*	25	30	55
Boone	8	15	49	15	0	3	8	7	12	7	6	1	0	2	1	2	3	2	0	1	50	25	38	40	22
Bremer	0	0	0	0	0	8	2	8	7	6	1	3	2	3	2	8	11	4	4	4	25	28	46	33	10
Buchanan	0	0	1	0	0	13	8	6	9	5	0	3	3	2	4	0	1	0	0	3	3	7	6	10	17
Buena Vista	0	0	0	0	0	13	7	4	7	6	4	2	2	2	2	4	5	6	5	2	56	35	74	43	44
Butler	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	3	6	8	8	51
Calhoun	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	1	0	5	3	13	4	2
Carroll	5	37	0	1	5	7	0	2	4	3	7	3	2	1	2	2	1	1	1	4	37	60	50	77	80
Cass	0	0	3	1	0	0	0	1	0	1	4	3	2	2	3	6	2	0	0	0	7	3	19	16	1
Cedar*	2	0*	2	0*	1	4	0*	1	0*	0	0	1*	1	0*	2	0	0*	1	1*	3	22	21*	13	19*	12
Cerro Gordo	0	0	0	0	0	28	16	38	29	15	9	14	5	3	7	10	9	13	5	10	79	82	43	60	80
Cherokee	0	0	0	0	0	3	9	3	0	1	1	2	2	1	0	0	0	0	1	2	8	9	27	13	13
Chickasaw*	0*	0*	0	0	0	0*	2*	1	2	3	1*	0*	1	1	1	0*	2*	1	2	2	2*	4*	3	20	10
Clarke*	0	0	0	0*	0	3	2	4	1*	1	0	0	0	0*	1	0	1	1	0*	0	3	3	4	3*	3
Clay	0	1	0	0	0	0	2	9	4	5	3	6	3	0	4	1	4	3	4	3	37	54	44	47	83
Clayton*	0*	0	0	0	0	0*	0	5	0	0	1*	1	3	3	1	0*	1	2	0	2	1*	4	10	16	7
Clinton*	21*	20*	19*	36*	7*	1*	0*	3*	5*	0*	0*	3*	0*	0*	0*	1*	1*	7*	8*	4*	14*	9*	8*	12*	18*
Crawford	0	0	0	0	0	11	2	1	2	0	3	3	1	1	4	2	2	9	13	3	19	40	46	35	14
Dallas*	2	1	0	0*	0*	8	10	9	5*	8*	3	12	0	4*	2*	5	2	2	0*	0*	22	16	14	14*	11*
Davis	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	13	4	0	2
Decatur*	0*	0*	0*	0*	0	0*	0*	0*	0*	1	1*	2*	0*	2*	2	0*	0*	0*	1*	0	0*	2*	0*	3*	4
Delaware*	12*	10	4	12	6	0*	1	0	0	5	3*	0	6	1	3	0*	1	6	1	5	26*	15	49	40	28
Des Moines*	68	0	0	0*	0	49	58	39	7*	16	1	3	2	1*	1	5	9	2	0*	1	17	21	29	12*	22
Dickinson*	0*	0*	0*	3	4	0*	0*	1*	0	6	1*	1*	1*	3	3	0*	0*	0*	2	1	8*	12*	9*	44	25
Dubuque*	0	0	0	0*	0*	3	34	353	0*	0*	57	13	98	1*	2*	3	20	75	1*	1*	98	229	165	30*	42*
Emmet*	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	0	3	0	0	1*	0	0	0	0
Fayette*	0	0	0*	0*	0*	14	2	3*	1*	0*	4	4	1*	4*	1*	4	1	4*	1*	0*	44	63	48*	20*	33*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa's Counties, 1993-1997 (continued).

County	Curfew/Loitering					Disorderly Conduct					Driving Under the Influence					Drunkenness					Liquor Law Violation				
	1997	1966	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Floyd*	0*	0	0	0	0	3*	0	4	2	0	1*	4	8	3	0	0*	1	5	2	3	11*	7	14	29	40
Franklin*	0*	0*	0*	0	0	12*	24*	15*	7	7	3*	2*	1*	4	0	0*	5*	6*	3	4	6*	30*	26*	29	50
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	1*	0*
Greene*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	7*	1*	0*	4*
Grundy*	0	0*	0*	0	0	0	0*	0*	3	0	2	0*	0*	0	0	0	0*	2*	0	0	21	4*	0*	3	6
Guthrie	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	3	1
Hamilton	0	0	0	0	0	4	27	17	4	5	1	3	2	5	1	0	0	1	1	0	33	51	55	31	36
Hancock	0	0	0	0	11	0	1	1	1	0	1	0	1	1	2	0	0	0	0	0	8	2	13	7	18
Hardin	12	0	0	8	2	2	0	2	3	15	4	1	7	1	2	1	0	0	2	2	18	23	16	20	12
Harrison*	0	0*	0	0	0	2	0*	0	0	3	2	0*	0	0	0	3	0*	0	0	1	2	3*	7	9	2
Henry	0	0	0	0	0	16	12	5	6	3	3	1	2	0	0	1	1	0	3	1	37	21	7	11	8
Howard	0	0	0	0	0	0	0	3	0	0	0	8	2	1	1	2	0	2	5	0	26	34	27	11	8
Humboldt*	0	0*	0*	0*	0*	0	0*	0*	0*	1*	3	1*	0*	1*	0*	1	0*	2*	0*	0*	5	12*	3*	1*	2*
Ida*	0	0	0	0	0*	0	0	0	0	0*	0	1	1	1	0*	0	0	0	2	0*	4	2	3	19	4*
Iowa	0	0	0	0	0	0	1	0	0	0	1	4	1	1	0	0	1	1	0	0	9	12	11	12	9
Jackson	21	13	20	5	0	3	13	7	1	1	3	2	2	1	0	2	2	0	5	4	45	29	37	34	99
Jasper	1	3	13	0	0	33	18	24	14	9	5	10	2	6	4	5	3	4	3	4	41	29	39	24	29
Jefferson	0	0	0	0	0	1	0	0	1	3	0	1	0	1	2	4	2	1	0	1	20	21	8	22	31
Johnson*	0*	0	0*	6*	0*	33*	29	26*	30*	1*	9*	16	7*	11*	2*	20*	16	18*	10*	0*	100*	131	87*	79*	26*
Jones*	0*	0*	0	0	0	1*	0*	2	2	2	0*	2*	2	2	2	1*	0*	2	1	2	2*	2*	21	20	34
Keokuk	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	2	2	1
Kossuth	12	3	2	0	0	1	4	3	3	1	2	1	0	0	1	4	0	0	4	2	94	62	27	34	9
Lee*	32	68	22*	65	0*	100	92	49*	51	16*	7	5	2*	6	2*	4	4	10*	14	0*	55	38	25*	60	17*
Linn*	0*	0*	0*	0*	0*	10*	6*	4*	1*	4*	5*	0*	6*	5*	8*	3*	1*	1*	0*	0*	75*	36*	14*	15*	5*
Louisa	0	0	10	0	0	0	1	3	2	4	1	0	0	1	0	3	5	3	0	2	17	7	8	14	13
Lucas	0	6	9	0	3	10	7	2	8	2	0	1	0	2	0	0	1	0	2	0	5	3	4	17	0
Lyon	0	0	1	0	0	4	0	0	2	1	1	0	4	0	1	1	0	0	0	0	27	50	87	27	39
Madison*	0*	2*	1	0	0	0*	0*	0	0	2	0*	2*	0	1	2	0*	0*	1	0	0	0*	2*	0	2	0
Mahaska	21	18	19	8	1	7	10	7	10	8	3	0	3	2	0	0	0	2	3	1	27	44	50	24	31
Marion*	0	0*	0*	0*	0*	3	6*	1*	10*	10*	7	4*	4*	1*	2*	2	2*	1*	3*	5*	11	22*	10*	18*	19*
Marshall	125	211	96	127	81	72	65	46	49	47	3	9	2	5	5	1	2	6	5	6	53	111	52	47	65
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2*	1*	0*	0*	0*	0*	0*	0*	0*	6*	1*	0*	6*
Mitchell	0	0	0	0	0	0	0	0	0	0	3	0	3	0	2	3	2	0	2	0	19	25	8	20	15

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa's Counties, 1993-1997 (continued).

County	Curfew/Loitering					Disorderly Conduct					Driving Under the Influence					Drunkenness					Liquor Law Violation				
	1997	1966	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Monona	0	0	0	0	0	0	0	0	0	1	7	2	3	0	0	7	0	0	0	0	32	21	16	21	26
Monroe*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2*	0*	0*	0*	1*	2*	0*	0*	0*	1*	2*	2*	8*	0*	5*	1*
Montgomery*	6*	9*	6*	20*	20*	3*	4*	3*	2*	7*	0*	1*	1*	1*	1*	1*	0*	0*	1*	0*	4*	11*	13*	2*	18*
Muscatine	97	106	95	76	61	76	120	113	67	71	7	5	2	2	4	1	4	3	2	1	43	44	19	19	18
O'Brien	0	0	0	0	0	5	12	2	2	1	3	1	0	5	2	2	1	1	1	2	42	37	59	30	36
Osceola	0	0	0	0	0	0	0	0	5	0	1	1	3	2	3	3	2	3	0	1	20	23	8	15	14
Page*	8	21*	15	0*	7	2	1*	1	4*	2	2	2*	2	5*	1	1	5*	0	5*	15	30	38*	11	11*	6
Palo Alto*	0*	0*	0	0	0	0*	0*	0	0	1	0*	0*	1	1	3	0*	0*	2	0	0	2*	6*	20	17	16
Plymouth	0	0	0	0	0	2	0	2	2	1	1	3	7	2	3	4	2	3	2	4	36	10	23	19	33
Pocahontas	0	0	0	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	2	2	0	4	1
Polk*	0*	0*	0	0	3*	29*	6*	9	2	8*	29*	31*	14	10	7*	20*	26*	17	28	5*	288*	190*	90	125	66*
Pottawattamie*	2*	0*	0*	0*	0*	2*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	2*	7*	8*	5*	1*
Poweshiek*	0*	0*	0*	0*	0	0*	0*	0*	0*	1	1*	0*	1*	2*	1	2*	0*	0*	0*	0	46*	0*	3*	3*	4
Ringgold*	0	0	0	0*	0	0	0	0	0*	0	0	0	0*	0	0	0	0	0	0*	0	0	0	0	2*	1
Sac*	0	0	0	0*	5	1	0	0	0*	0	0	0	2	3*	1	0	0	0	0*	1	8	10	21	21*	31
Scott	104	113	151	83	4	74	104	82	65	96	8	12	8	5	11	10	15	17	8	15	222	187	172	111	120
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	2*	1*	2*	0*	0*	0*	0*	0*	0*	8*	19*	12*	8*	2*
Sioux*	0*	1*	2*	0*	0*	0*	2*	1*	1*	4*	1*	1*	3*	2*	2*	0*	1*	0*	0*	1*	21*	21*	19*	28*	36*
Story	0	0	0	0	0	5	3	6	4	3	6	14	2	4	1	15	28	9	6	6	105	95	70	43	105
Tama*	0*	0*	0*	0	0	0*	0*	4*	0	5	4*	1*	2*	2	2	0*	0*	0*	1	4	72*	33*	48*	16	28
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union*	1*	0*	0*	0*	0	7*	4*	0*	0*	2	0*	2*	0*	1*	0	0*	0*	0*	0*	2	19*	5*	1*	15*	15
Van Buren*	0	0*	0	0*	0	0	1*	0	0*	0	0	0*	0	0*	0	0	0*	0	0*	0	0	4*	4	2*	8
Wapello*	9	5	0	0*	0*	16	16	12	3*	0*	2	1	1	1*	1*	3	4	1	1*	0*	24	39	15	6*	3*
Warren*	0*	0	0*	0	0	17*	4	4*	4	4	2*	4	0*	1	1	8*	8	6*	3	8	28*	21	10*	13	33
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3*	2*	1*	0*	1*
Wayne	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	23	0	1	0	0
Webster*	0	0	0	0*	0*	23	63	33	6*	27*	5	7	2	3*	0*	3	8	3	0*	3*	8	17	6	2*	47*
Winnebago*	0*	0	1	0	0	1*	1	0	3	0	0*	1	1	1	1	3*	0	0	3	2	18*	30	30	13	25
Winneshiek	0	0	0	0	5	0	2	1	0	6	8	1	3	0	3	1	1	0	3	3	27	12	61	57	48
Woodbury*	280*	458*	223*	186*	247	333*	366*	215*	106*	224	14*	23*	16*	8*	16	34*	19*	17*	15*	14	55*	107*	142*	111*	155
Worth*	0	0*	0	0	0	0	0*	0	0	0	1	0*	0	0	0	0	0*	0	0	0	6	0*	4	2	2
Wright	0	0	0	0	0	1	5	7	1	0	3	4	2	3	1	1	4	1	0	1	14	10	45	5	8
State of Iowa*	1096*	1239*	780*	692*	525*	1252*	1333*	1362*	722*	854*	316*	303*	291*	181*	174*	249*	266*	310*	217*	193*	2681*	2792*	2446*	2077*	2298*

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa's Counties, 1993-1997 (continued).

County	Runaway					Trespass					Other Group B Offenses					Total Group B Offenses					Total (A+B) Arrests				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Adair	0	0	0	1	0	0	0	0	0	0	0	3	3	0	0	5	32	9	13	8	9	46	15	19	11
Adams	0	0	0	0	0	0	0	0	0	0	1	0	6	2	0	9	14	20	7	6	24	37	40	13	12
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	4*	1*	1*	3*	3*	4*	1*	1*	3*	3*
Appanoose	15	22	18	27	15	3	5	2	4	1	57	57	24	13	18	124	144	86	99	96	226	254	192	162	182
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	5*	5*	5*	1*	3*	6*	5*	5*	1*	3*
Benton*	0*	0*	0*	0*	0*	0*	0*	0*	4*	0*	1*	0*	2*	1*	1*	17*	35*	24*	22*	22*	44*	57*	66*	52*	45*
Black Hawk*	0*	0*	0	0	1	25*	35*	20	25	55	99*	85*	67	28	38	608*	461*	265	247	344	1714*	1608*	1137	995	681
Boone	13	7	13	11	12	7	2	3	5	9	22	26	23	13	11	111	87	135	98	63	185	165	229	217	169
Bremer	0	0	0	0	2	3	0	6	2	0	10	16	16	27	10	55	60	82	76	34	124	126	153	125	76
Buchanan	0	0	0	0	0	0	0	0	0	0	17	7	5	17	20	33	26	21	38	49	157	126	83	126	145
Buena Vista	0	0	0	0	0	2	8	5	13	10	7	4	5	6	8	86	61	96	76	72	265	138	222	179	145
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	9	10	53	3	6	9	10	54	
Calhoun	0	0	0	0	0	0	1	0	1	0	3	1	0	0	0	8	7	13	7	2	20	19	13	9	6
Carroll	0	0	0	0	1	0	2	1	1	0	4	4	6	11	9	62	107	62	96	104	152	212	134	131	163
Cass	3	2	3	2	0	1	0	1	0	0	2	11	1	2	1	23	21	30	23	6	81	40	48	65	38
Cedar*	0	0*	0	0*	0	3	3*	0	4*	3	7	1*	4	6*	4	38	26*	22	30*	25	67	50*	65	54*	65
Cerro Gordo	27	43	36	162	50	13	10	10	13	17	54	53	37	32	59	220	227	182	304	238	771	757	751	852	797
Cherokee	0	0	0	0	0	1	0	2	1	1	4	10	3	4	5	17	30	37	20	22	103	122	148	109	125
Chickasaw*	0*	0*	0	0	0	0*	0*	0	1	1	2*	1*	7	4	5	5*	9*	13	30	22	8*	19*	25	39	32
Clarke*	1	1	2	0*	0	0	1	2	0*	2	8	4	6	4*	5	15	12	19	8*	12	35	38	35	22*	27
Clay	1	3	7	2	7	11	17	1	3	8	24	26	14	21	11	77	113	81	81	121	217	275	161	95	134
Clayton*	4*	0	0	0	0	0*	0	0	0	0	0*	2	3	2	0	6*	8	23	21	10	6*	11	35	26	14
Clinton*	4*	1*	22*	12*	8*	0*	0*	1*	2*	2*	15*	5*	13*	15*	3*	56*	39*	73*	90*	42*	93*	70*	129*	133*	91*
Crawford	0	0	0	0	0	3	0	1	0	0	5	4	3	6	0	43	51	61	57	21	43	56	61	58	22
Dallas*	22	15	7	22*	12*	2	6	4	8*	1*	6	17	17	8*	18*	70	79	53	61*	52*	136	178	133	186*	140*
Davis	0	0	0	0	0	0	2	0	0	0	3	12	13	2	2	3	28	18	2	4	3	30	19	6	18
Decatur*	0*	7*	3*	6*	1	0*	1*	1*	0*	0	1*	2*	1*	0*	6	2*	14*	5*	12*	14	2*	16*	8*	31*	27
Delaware*	0*	20	7	5	0	1*	0	10	5	5	14*	22	11	10	3	56*	69	93	74	55	108*	140	154	159	97
Des Moines*	0	0	6	0*	31	6	12	9	8*	27	97	144	95	4*	24	243	247	182	32*	122	529	719	489	97*	303
Dickinson*	0*	0*	0*	0	0	0*	0*	1*	4	0	0*	0*	9*	9	0	9*	13*	21*	65	39	9*	14*	57*	93	61
Dubuque*	199	481	0	2*	4*	2	23	0	0*	1*	1	96	42	2*	0*	363	896	733	36*	50*	759	1188	937	44*	63*
Emmet*	0*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	0	1*	0	3	0	0	22*	28	24	9	7
Fayette*	0	0	0*	0*	0*	7	7	1*	3*	0*	43	12	5*	3*	2*	116	89	62*	32*	36*	153	106	74*	44*	49*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa's Counties, 1993-1997 (continued).

County	Runaway					Trespass					Other Group B Offenses					Total Group B Offenses					Total (A+B) Arrests				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Floyd*	0*	0	0	0	0	0*	0	0	1	0	2*	5	9	8	7	17*	17	40	45	50	76*	50	162	152	151
Franklin*	0*	0*	0*	0	0	3*	0*	9*	3	5	7*	1*	9*	2	7	31*	62*	66*	48	73	93*	105*	145*	130	114
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	1*	0*	1*	0*	0*	1*	0*
Greene*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	1*	5*	3*	0*	0*	2*	13*	4*	0*	5*	2*	13*	4*	0*	5*
Grundy*	0	0*	0*	0	0	0	0*	0*	0	0	2	0*	0*	1	0	25	4*	2*	7	6	49	4*	6*	19	11
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	1	0	2	5	3	1	
Hamilton	0	0	0	0	0	4	7	2	1	0	6	8	5	4	6	48	96	82	46	48	150	176	210	118	163
Hancock	1	5	6	0	0	0	10	4	0	10	5	18	4	1	20	15	36	29	10	61	46	68	53	23	98
Hardin	7	11	10	11	11	13	3	16	11	28	29	20	5	19	15	86	58	56	75	87	157	136	114	160	209
Harrison*	0	0*	0	0	0	6	0*	2	1	0	2	0*	0	0	0	17	3*	9	10	6	37	3*	13	17	16
Henry	0	0	0	0	0	2	5	14	10	16	16	11	16	50	18	75	51	44	80	46	143	184	151	160	136
Howard	0	0	0	0	1	0	0	3	0	0	5	0	0	1	0	33	42	37	18	10	99	119	67	62	24
Humboldt*	1	3*	0*	1*	0*	0	0*	1*	0*	0*	0	0*	1*	0*	0*	10	16*	7*	3*	3*	46	31*	10*	5*	3*
Ida*	0	0	0	0	0*	0	0	0	0	0*	0	0	0	2	0*	4	3	4	24	4*	4	3	4	24	4*
Iowa	0	0	0	0	0	1	4	0	0	0	0	3	2	0	0	11	25	15	13	9	20	39	38	25	12
Jackson	0	0	0	0	0	0	0	14	0	0	6	12	30	4	11	80	71	110	50	115	161	132	197	114	154
Jasper	0	0	0	0	0	0	0	0	0	0	26	15	18	21	30	111	78	100	68	76	266	172	230	151	124
Jefferson	0	1	0	5	1	2	3	0	1	11	6	5	2	5	3	33	33	11	35	52	101	68	51	69	94
Johnson*	0*	0	2*	9*	0*	16*	22	8*	7*	0*	169*	118	61*	29*	4*	347*	332	209*	181*	33*	903*	994	713*	741*	82*
Jones*	0*	0*	0	0	0	0*	0*	2	0	1	3*	2*	0	4	1	7*	6*	29	29	42	28*	29*	53	58	85
Keokuk	0	0	0	9	4	0	0	0	0	0	0	0	0	2	3	1	1	2	14	8	3	2	3	19	22
Kossuth	1	5	3	2	1	6	1	4	4	1	3	13	9	20	7	123	89	48	67	22	191	175	97	129	67
Lee*	1	24	10*	53	0*	35	22	18*	29	18*	60	44	25*	26	5*	294	297	161*	304	58*	653	731	323*	566	200*
Linn*	0*	1*	0*	4*	0*	2*	5*	12*	4*	2*	16*	24*	13*	14*	5*	111*	73*	50*	43*	24*	308*	368*	275*	270*	136*
Louisa	0	0	0	0	6	0	0	3	4	4	4	6	2	2	3	25	19	29	23	32	27	25	32	57	71
Lucas	0	0	0	0	0	0	6	0	2	5	1	2	0	1	0	16	26	15	32	10	60	70	68	76	16
Lyon	0	0	0	0	1	6	4	10	2	7	9	16	12	8	5	48	70	114	39	54	74	84	129	51	83
Madison*	0*	0*	0	1	0	0*	0*	0	0	0	0*	0*	0	0	0	0*	6*	2	4	4	0*	6*	5	4	7
Mahaska	18	7	10	7	11	7	2	5	0	5	10	7	15	8	2	93	88	111	62	59	217	181	237	131	154
Marion*	0	0*	0*	9*	13*	3	6*	1*	4*	5*	13	21*	13*	30*	3*	39	61*	30*	75*	57*	123	114*	66*	104*	95*
Marshall	9	24	34	39	52	22	19	30	18	25	138	133	93	45	40	423	574	359	335	321	810	945	638	623	576
Mills*	0*	0*	1*	2*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	6*	4*	3*	6*	0*	7*	4*	3*	6*
Mitchell	0	0	0	0	1	1	0	0	0	0	4	0	0	3	2	30	27	11	25	20	48	49	44	41	38

Table 2. Juvenile Arrests for Group B Offenses and for Total Offenses in Iowa's Counties, 1993-1997 (continued).

County	Runaway					Trespass					Other Group B Offenses					Total Group B Offenses					Total (A+B) Arrests				
	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993	1997	1996	1995	1994	1993
Monona	0	0	0	0	0	0	0	0	0	0	3	3	7	2	4	49	26	26	23	31	77	68	29	29	46
Monroe*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	2*	5*	2*	8*	1*	9*	12*	3*	8*	3*	11*	14*
Montgomery*	24*	8*	25*	24*	27*	4*	4*	1*	3*	3*	21*	5*	8*	4*	14*	63*	42*	57*	57*	90*	117*	123*	139*	134*	182*
Muscatine	25	66	50	54	31	20	22	19	18	1	38	42	48	38	28	307	409	349	276	215	643	861	817	726	578
O'Brien	10	7	4	6	8	7	4	0	0	0	34	13	11	11	12	103	75	77	55	61	187	188	148	119	133
Osceola	0	0	0	0	0	0	2	0	1	2	4	10	20	8	9	28	38	34	31	29	54	65	52	74	54
Page*	11*	14*	12	3*	2	2*	4*	5	0*	2	3*	6*	4	2*	8	59*	91*	50	30*	43	164*	174*	97	77*	82
Palo Alto*	0*	0*	1	0	2	0*	1*	0	1	0	1*	3*	0	0	5	3*	10*	24	19	27	15*	15*	57	28	46
Plymouth	18	17	12	18	5	0	3	2	2	0	7	10	6	2	7	68	45	55	47	53	106	98	115	88	87
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	3	2	2	5	9	4	10	10	12	16
Polk*	55*	73*	90	50	49*	25*	18*	17	8	26*	106*	76*	66	107	51*	552*	420*	303	330	215*	2430*	1228*	937	939	541*
Pottawattamie*	2*	0*	6*	1*	1*	0*	0*	0*	2*	2*	1*	0*	0*	0*	0*	9*	7*	14*	9*	4*	34*	28*	22*	27*	20*
Poweshiek*	8*	0*	7*	20*	8	0*	0*	2*	0*	1	1*	0*	1*	0*	0	58*	0*	14*	25*	15	60*	0*	25*	25*	24
Ringgold*	0	0	0	0*	0	0	0	0	0*	0	0	0	0	0*	1	0	0	0	2*	2	0	0	2	2*	2
Sac*	0	0	0	0*	0	0	0	0	2*	0	0	0	0	3*	6	9	10	23	29*	44	19	22	24	35*	55
Scott	159	162	166	137	165	54	95	73	48	96	434	324	334	271	192	1065	1012	1003	728	699	2805	2769	2720	2432	2246
Shelby*	0*	0*	0*	0*	0*	0*	4*	0*	0*	0*	0*	1*	4*	0*	0*	9*	26*	17*	10*	2*	35*	49*	50*	10*	2*
Sioux*	0*	0*	5*	2*	0*	12*	4*	0*	0*	0*	1*	3*	7*	17*	11*	35*	33*	37*	50*	54*	58*	62*	87*	79*	98*
Story	22	16	10	3	10	11	5	7	10	14	154	71	105	79	40	318	232	209	149	179	608	540	475	352	408
Tama*	0*	0*	0*	0	0	2*	7*	3*	8	0	0*	3*	0*	1	3	78*	44*	57*	28	42	146*	103*	107*	71	73
Taylor	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Union*	0*	0*	0*	0*	0	0*	2*	0*	1*	9	4*	0*	0*	0*	0	31*	13*	1*	17*	28	40*	14*	5*	52*	76
Van Buren*	0	0*	0	0*	0	0	0*	0	0*	0	0	0*	0	0*	0	0	5*	4	2*	8	1	12*	4	3*	24
Wapello*	5	8	2	10*	0*	9	8	11	15*	3*	9	15	22	8*	0*	77	96	64	44*	7*	197	241	199	184*	39*
Warren*	2*	3	3*	2	4	5*	10	10*	8	5	18*	12	6*	14	17	80*	62	39*	45	72	169*	158	185*	189	197
Washington*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3*	2*	1*	0*	1*	3*	2*	1*	0*	1*
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	25	0	2	0	0	31	0	4	0	0
Webster*	0	0	0	1*	84*	0	0	0	0*	0*	27	35	24	2*	15*	66	130	68	14*	176*	246	344	218	46*	305*
Winnebago*	0*	0	1	0	2	1*	1	0	2	1	12*	3	10	4	1	35*	36	43	26	32	46*	60	63	102	74
Winneshiek	14	5	2	2	13	1	3	0	1	2	16	5	7	12	13	67	29	74	75	93	101	60	128	106	155
Woodbury*	7*	21*	18*	6*	7	57*	66*	57*	33*	32	372*	373*	302*	218*	199	1152*	1433*	990*	683*	894	2724*	3278*	2389*	2224*	2518
Worth*	3	0*	2	1	0	0	0*	0	0	0	6	0*	3	0	2	16	0*	9	3	4	19	2*	14	9	7
Wright	0	0	0	0	0	11	0	2	2	3	10	6	17	1	0	40	29	74	12	13	65	55	108	41	36
State of Iowa*	692*	1083*	616*	744*	665*	441*	517*	448*	374*	488*	2332*	2133*	1802*	1369*	1110*	9059*	9666*	8055*	6376*	6307*	22181*	22379*	19033*	16496*	14902*

Arrests for Group B Crimes

Crimes not included in the Group A category are labeled Group B crimes. Arrests of juveniles for Group B crimes totaled 9,059 in 1997 (Table 2). Four counties (Black Hawk, Polk, Scott, Woodbury) had at least 500 arrests for Group B crimes that year. Twenty-four other counties had 1-9 arrests, although yet another reminder is necessary that caution should be exercised in interpreting these numbers because of underreporting in some counties.

Individual Group B crimes for which at least 200 juvenile arrests were reported are included in Table 2. Violations related to alcohol (driving under the influence, violations of liquor laws, drunkenness) accounted for more than a third (35.8%) of the total arrests for Group B crimes in 1997.

Total Arrests

When arrests of juveniles for Group A and Group B crimes are added, more than 22,000 occurred in 1997 (Table 2). Four counties (Black Hawk, Polk, Scott, Woodbury) reported at least 1,000 arrests and another eight (Cerro Gordo, Des Moines, Dubuque, Johnson, Lee, Marshall, Muscatine, Story) had 500 to 999. But a final caution is needed; some law enforcement jurisdictions failed to report or provided insufficient data so comparisons of state and county numbers from one year to another or of counties within any particular year are of limited use.

Notes: The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. See lists of jurisdictions not reporting or providing insufficient data in a note at the end of the section on domestic abuse included in this volume.

Expenditures by the U.S. Department of Veterans Affairs in Iowa's Counties: 1990-1997

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Henry Caplan, U.S. Department of Veterans Affairs

A report of expenditures by the U.S. Department of Veterans Affairs is released by fiscal year. In 1997, more than \$396 million was expended by Veterans Affairs in Iowa's counties (Table 1). That was an increase of nearly \$61 million since 1990, when the total was \$335 million, but a decline of \$7 million from 1996. Expenditures varied greatly across the 99 counties in this state. Adair, Adams, Audubon, Ida, and Van Buren each had less than \$500,000 while at least \$5 million was spent in 10 counties. The \$52.2 million in Marion, \$91.4 million in Johnson, and \$90.9 million in Polk were significantly higher than figures for other counties; each of these counties has a relatively large federal facility for veterans. The next highest level of expenditure was \$10.8 million in Linn.

Total expenditures related to programs for veterans decreased in 24 counties from 1990 to 1997. Of these 24, only Delaware and O'Brien had declines greater than \$100,000. Gains, on the other hand, exceeded \$100,000 in 41 of Iowa's 99 counties. In Black Hawk, Johnson, Linn, Marion, Marshall, Polk, Pottawattamie, and Scott, increases in total expenditures exceeded \$1 million when 1990 and 1997 were compared.

Statewide, compensation and pension expenditures (\$160 million) were the second largest component of total veteran expenditures each year (Table 2). Dollars spent for compensation and pensions were less than \$500,000 in 10 counties but exceeded \$1 million in 36 others in 1997. The highest figure (\$22.4 million) occurred in Polk; no other county had more than \$10 million in compensation and pensions that year. Gains between 1990 and 1997 occurred in 65 counties, with the increase exceeding \$100,000 in 32. In contrast, only 5 of the 34 counties with declines reported drops greater than \$100,000 during the period.

Expenditures for readjustment and vocational rehabilitation, which includes education benefits, were \$13.9 million in 1997, nearly 60 percent higher than the \$8.7 million reported in 1990 (Table 2). Black Hawk, Johnson, Linn, Polk, Scott, and Story each received more than a half million for readjustment and vocational rehabilitation; together, they received 52.1 percent of these expenditures in Iowa. Statewide, this category of benefits had the largest percentage increase (+59.4%) of any of the individual expenditure components between 1990 and 1997.

Insurance and indemnity expenditures totaled \$24.6 million in 1997. Although 26 counties received less than \$100,000 in this category, Black Hawk, Linn, Polk, and Scott obtained more than \$1 million. Between 1990 and 1997, insurance and indemnity expenditures increased \$2.3 million (10.3%). All but seven counties gained, with 23 increasing by at least 20 percent.

Two other categories of expenditures are reported by the U.S. Department of Veterans Affairs. Although only four counties (Johnson, Lee, Marion, Polk) in Iowa received funds for medical services and administration in 1997, the total of \$197 million was the greatest of any category reported in 1997 or any previous year (Table 3). Sac was the only other county to obtain these funds in the 1990-1997 period. Funds for medical services and administration accounted for about half of all expenditures during each of these years.

The remaining category—construction and related costs—always was the smallest of those reported (Table 3). Again, only five counties received these funds in any year from 1990 through 1997;

Table 1. Total Veterans Affairs Expenditures (in \$1,000s) in Iowa's Counties, 1990-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990
Adair	472	483	479	473	545	576	537	528
Adams	300	309	283	266	271	284	312	361
Allamakee	1045	959	910	806	843	790	732	745
Appanoose	1633	1656	1556	1498	1575	1549	1493	1464
Audubon	425	430	411	437	461	399	396	394
Benton	1557	1516	1467	1331	1262	1135	1210	1367
Black Hawk	8398	8307	7654	7005	7311	6477	6401	6905
Boone	1937	1742	1869	1865	1857	1771	1635	1821
Bremer	1169	1193	1170	1133	1041	962	987	1078
Buchanan	1077	1058	1052	979	983	954	934	1031
Buena Vista	1333	1389	1327	1257	1398	1341	1381	1427
Butler	892	862	794	791	862	826	790	814
Calhoun	996	868	891	802	891	883	837	888
Carroll	1199	1200	1187	1191	1270	1191	1165	1220
Cass	1178	1188	1049	1042	1036	1046	1011	1083
Cedar	934	861	813	744	763	687	650	674
Cerro Gordo	3309	3415	3481	3382	3535	3186	3175	3225
Cherokee	980	904	868	849	929	881	923	869
Chickasaw	759	780	755	676	789	791	771	737
Clarke	634	682	640	637	681	654	632	626
Clay	1265	1316	1251	1193	1286	1169	1096	1117
Clayton	1246	1189	1139	1213	1316	1183	1200	1315
Clinton	3126	3107	3040	2978	3086	2913	2713	2965
Crawford	1074	978	908	933	938	978	950	1013
Dallas	2309	2229	2140	2144	2085	1817	1720	1772
Davis	698	621	601	708	595	549	520	562
Decatur	690	688	651	669	712	700	725	777
Delaware	919	1012	897	906	979	1008	986	1027
Des Moines	2882	2899	2703	2598	2703	2531	2591	2652
Dickinson	1265	1194	1022	991	1087	1062	1033	1019
Dubuque	5403	5328	4650	4552	4714	4358	4353	4521
Emmet	976	1045	1032	985	1024	912	903	923
Fayette	1558	1561	1439	1379	1479	1344	1324	1391
Floyd	1717	1676	1592	1371	1391	1311	1340	1228
Franklin	729	726	692	682	755	715	713	683
Fremont	706	674	653	621	643	557	577	643
Greene	806	852	838	726	810	668	639	739
Grundy	656	649	651	602	629	598	615	656
Guthrie	724	733	713	699	754	730	751	766
Hamilton	1028	1037	1045	961	1036	1016	1042	1051
Hancock	622	611	610	580	647	513	553	521
Hardin	1076	1108	1085	1127	1145	1086	1070	1133
Harrison	1120	1134	1082	1089	1119	1087	1052	1143
Henry	857	864	859	897	843	873	834	807
Howard	725	691	588	555	544	530	536	627
Humboldt	669	742	668	688	670	632	615	585
Ida	383	409	358	352	337	363	348	393
Iowa	948	888	856	754	855	774	739	816
Jackson	1225	1170	1182	1131	1131	1088	1071	1108
Jasper	1826	1833	1802	1840	1975	1785	1691	1778

Table 1. Total Veterans Affairs Expenditures (in \$1,000s) in Iowa's Counties, 1990-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990
Jefferson	809	835	774	747	866	714	651	676
Johnson	91455	96467	96742	96055	90294	84687	78047	80207
Jones	1131	1157	1129	1096	1178	1102	1103	1133
Keokuk	917	1069	815	865	929	874	854	906
Kossuth	1278	1254	1143	1186	1203	1121	1118	1107
Lee	2862	3079	3088	2886	3028	2868	2948	2857
Linn	10769	10336	9849	8852	9348	8565	8362	8819
Louisa	750	656	699	628	698	617	657	663
Lucas	852	889	879	783	831	828	814	808
Lyon	680	801	737	692	684	679	762	726
Madison	946	873	863	798	805	774	773	819
Mahaska	1768	1821	1597	1590	1630	1618	1546	1743
Marion	52196	55629	57635	53024	52314	46144	42690	40103
Marshall	7966	7924	7342	6683	6710	6674	6749	6549
Mills	1388	1276	1276	1148	1209	1134	1052	935
Mitchell	528	543	497	484	479	475	469	528
Monona	948	938	952	894	1012	1119	1008	994
Monroe	1217	1209	1124	1000	975	909	853	888
Montgomery	953	816	789	746	816	771	798	874
Muscatine	2011	1900	1804	1757	1779	1628	1699	1965
O'Brien	905	961	973	922	1024	936	995	1064
Osceola	574	477	493	410	398	383	355	390
Page	1414	1210	1194	1054	1087	1058	1088	1155
Palo Alto	754	739	726	660	700	687	670	679
Plymouth	1253	1283	1174	1124	1151	1202	1280	1296
Pocahontas	714	770	673	618	681	696	651	645
Polk	90930	91223	93651	89573	87638	81803	74958	70232
Pottawattamie	6916	6794	6421	5716	5946	5513	5536	5699
Poweshiek	1184	1271	1277	1140	1051	913	905	905
Ringgold	500	567	465	460	485	509	437	477
Sac	780	818	1386	1688	821	797	766	784
Scott	9005	8803	8540	7558	7885	7169	7010	7134
Shelby	830	792	744	741	781	703	656	742
Sioux	1286	1260	1189	1181	1227	1144	1135	1156
Story	3726	3824	3681	2969	3013	2861	2946	3147
Tama	996	908	854	851	1005	898	894	901
Taylor	608	660	644	591	652	621	632	670
Union	878	906	790	790	894	874	871	935
Van Buren	478	554	506	463	436	399	402	443
Wapello	3878	3965	3838	3532	3688	3341	3302	3534
Warren	2757	2731	2602	2417	2429	2327	2050	2196
Washington	964	929	928	950	1103	1048	990	1034
Wayne	710	711	712	671	733	716	679	747
Webster	2890	2956	2751	2689	2702	2509	2594	2732
Winnebago	576	553	619	498	535	528	529	526
Winneshiek	1079	1106	1091	979	956	938	972	1055
Woodbury	7520	7158	6735	6827	7106	6698	6527	6674
Worth	546	524	489	470	489	453	441	486
Wright	837	899	865	837	901	849	814	877
State of Iowa	396374	403587	401150	383384	379894	353107	334308	334608

Table 2. Veterans Affairs Expenditures (in \$1,000s) in Selected Categories in Iowa's Counties, 1990-1997.

County	Compensation and Pension								Readjustment and Vocational Rehabilitation								Insurance and Indemnities							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	397	408	405	402	460	511	488	459	5	5	6	5	10	12	10	8	70	70	67	67	75	53	40	61
Adams	241	252	239	222	221	249	281	312	13	11	1	0	1	2	2	9	46	46	44	44	49	33	29	40
Allamakee	900	805	756	679	687	688	658	646	33	42	47	20	36	20	14	17	112	112	108	107	120	82	60	83
Appanoose	1430	1467	1386	1350	1413	1435	1409	1346	74	60	46	25	24	19	11	15	129	130	124	123	138	94	74	103
Audubon	350	355	336	366	387	344	348	320	6	7	9	6	1	5	7	14	69	69	66	65	73	50	40	59
Benton	1226	1185	1166	1102	1022	955	1046	1137	135	134	114	43	31	36	37	59	196	196	188	187	209	144	126	171
Black Hawk	6282	6208	5629	5535	5709	5275	5259	5246	1010	992	964	417	421	401	400	550	1105	1107	1060	1053	1181	800	743	1110
Boone	1613	1412	1539	1587	1559	1527	1425	1501	96	102	111	60	55	76	64	120	228	229	219	217	244	169	146	200
Bremer	871	887	864	915	811	770	829	808	123	131	138	51	42	62	41	104	175	176	168	167	187	130	117	166
Buchanan	845	852	847	798	789	800	801	832	62	34	42	18	12	25	29	47	171	171	164	163	182	129	104	152
Buena Vista	987	1084	1072	1048	1157	1162	1181	1123	185	144	100	55	69	57	89	147	161	161	155	154	172	121	111	158
Butler	742	706	641	665	720	718	709	686	31	36	38	13	15	18	10	23	119	119	114	114	127	90	71	104
Calhoun	871	743	727	686	764	787	757	766	22	22	65	18	17	18	21	36	103	103	98	98	110	78	58	85
Carroll	987	996	990	995	1054	1032	1029	1042	48	39	40	40	41	35	29	30	165	165	158	157	176	124	107	148
Cass	1009	1032	906	918	896	945	925	940	41	28	20	1	3	8	6	24	128	129	123	122	137	93	79	119
Cedar	653	654	608	571	586	553	535	512	125	50	55	24	11	21	20	28	156	156	150	149	166	113	95	134
Cerro Gordo	2707	2784	2855	2862	2967	2776	2787	2710	174	202	215	112	110	97	76	90	428	429	411	408	457	313	312	425
Cherokee	826	730	703	702	765	755	800	739	10	31	28	11	11	22	45	17	143	143	137	137	153	103	78	113
Chickasaw	604	637	620	561	654	680	692	623	48	36	32	13	21	33	12	21	107	107	102	102	114	78	67	94
Clarke	541	592	557	560	600	594	580	540	18	16	12	7	2	5	5	20	74	74	71	71	79	54	48	65
Clay	1029	1115	1040	1018	1077	1029	961	950	85	49	65	30	47	31	40	25	152	152	145	145	162	108	94	142
Clayton	1034	988	948	1045	1131	1051	1083	1148	55	44	40	18	16	15	16	25	158	158	151	150	168	117	101	142
Clinton	2468	2438	2370	2395	2473	2477	2319	2434	165	176	197	114	87	77	87	93	492	493	473	469	526	359	307	437
Crawford	884	790	742	780	771	854	845	868	46	43	28	16	12	17	16	18	144	144	138	137	154	107	88	128
Dallas	1957	1890	1803	1826	1726	1554	1515	1471	81	68	77	60	69	65	40	80	271	271	260	258	289	198	165	221
Davis	616	534	513	633	516	485	467	488	19	23	28	15	11	16	12	15	64	64	61	61	68	48	41	59
Decatur	561	574	551	583	611	631	658	695	67	52	41	27	34	24	22	16	62	62	59	59	66	45	45	66
Delaware	749	847	743	760	829	888	893	897	45	39	33	25	15	25	17	23	126	126	121	120	134	95	76	107
Des Moines	2292	2307	2075	2118	2162	2160	2238	2149	162	164	219	73	85	59	67	111	427	428	410	407	456	313	285	392
Dickinson	1054	993	841	819	893	929	922	866	45	35	22	13	16	17	20	23	167	167	160	159	178	116	91	130
Dubuque	4240	4093	3584	3626	3678	3580	3671	3604	421	491	354	218	243	238	196	269	742	744	712	708	793	539	486	647
Emmet	819	831	860	844	888	799	812	785	53	109	72	41	24	36	30	45	105	105	100	100	112	77	61	93
Fayette	1258	1269	1161	1148	1234	1146	1148	1150	116	107	101	55	48	56	62	72	185	185	177	176	197	142	114	169

Table 2. Veterans Affairs Expenditures (in \$1,000s) in Selected Categories in Iowa's Counties, 1990-1997 (continued).

County	Compensation and Pension								Readjustment and Vocational Rehabilitation								Insurance and Indemnities							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	1506	1449	1367	1191	1197	1150	1165	1064	59	75	80	36	32	48	77	28	152	152	145	144	162	114	98	136
Franklin	623	620	588	584	647	625	632	580	20	19	22	16	16	26	15	12	86	86	82	82	92	65	65	92
Fremont	607	578	561	508	553	486	515	550	23	20	19	40	8	15	12	22	76	76	73	73	81	56	51	71
Greene	695	731	722	636	709	589	565	639	22	31	30	4	6	12	19	18	89	89	86	85	95	67	55	81
Grundy	524	515	514	454	506	506	524	538	35	36	43	55	19	21	27	26	97	97	93	93	104	71	64	92
Guthrie	574	585	575	582	619	637	685	674	33	31	26	6	11	10	4	9	117	117	112	111	125	84	62	83
Hamilton	860	862	871	816	882	891	914	892	28	35	39	11	4	22	27	20	141	141	135	134	150	103	100	138
Hancock	514	486	488	469	524	430	477	405	10	28	29	19	19	9	11	26	97	97	93	92	103	74	65	90
Hardin	860	861	865	915	950	950	944	930	43	74	54	48	10	8	15	42	173	173	166	165	184	128	110	161
Harrison	956	952	906	967	979	981	953	998	45	62	62	7	13	16	15	33	119	120	115	114	128	90	84	112
Henry	617	647	629	663	619	722	713	651	68	45	65	71	41	26	22	26	172	172	165	164	183	124	99	130
Howard	626	595	502	438	447	469	483	554	25	21	15	47	18	6	4	4	74	74	71	71	79	55	49	69
Humboldt	545	598	544	575	553	537	539	479	22	41	25	15	8	18	19	22	103	103	98	98	110	78	57	85
Ida	306	335	286	275	259	306	296	321	10	6	7	13	6	6	3	4	67	68	65	64	72	51	49	68
Iowa	764	745	702	606	694	655	637	694	62	20	37	32	31	28	27	20	122	122	117	116	130	91	75	103
Jackson	1032	966	973	947	943	953	953	942	29	39	52	27	13	15	18	26	164	164	157	156	175	120	100	140
Jasper	1449	1457	1436	1489	1591	1508	1472	1492	57	56	58	45	43	40	24	21	320	321	307	305	342	237	195	266
Jefferson	646	660	604	588	684	572	533	537	30	43	44	32	40	49	43	37	133	133	127	126	142	93	76	102
Johnson	3322	3147	2919	2865	2846	2757	2665	2608	1031	1202	1402	596	599	561	592	814	636	638	611	607	680	444	461	603
Jones	924	940	896	903	960	941	978	952	29	39	63	23	28	31	19	35	178	178	171	170	190	130	106	147
Keokuk	798	945	694	753	795	776	767	792	19	24	25	17	27	22	21	20	100	100	96	96	107	76	67	94
Kossuth	1037	1053	957	1018	1022	987	994	934	87	46	38	21	16	16	27	30	154	155	148	147	165	117	97	143
Lee	2339	2370	2305	2264	2480	2291	2286	2230	102	115	161	84	53	57	29	95	378	379	363	360	404	277	244	351
Linn	8143	7818	7277	6875	7193	6969	6812	6712	982	871	994	409	399	410	413	601	1644	1647	1578	1567	1757	1185	1137	1506
Louisa	546	534	566	511	568	526	579	548	93	11	26	11	12	12	13	26	111	111	107	106	119	79	64	89
Lucas	754	781	780	696	735	755	747	715	16	26	20	9	8	13	11	12	82	82	79	78	88	61	57	81
Lyon	573	696	632	607	594	609	695	627	29	26	29	10	6	10	12	20	79	79	75	75	84	59	55	79
Madison	817	743	735	684	684	688	707	722	24	24	27	13	8	6	6	18	106	106	102	101	113	80	61	79
Mahaska	1455	1528	1330	1368	1403	1438	1382	1531	140	119	100	57	41	51	46	45	173	174	166	165	185	128	118	167
Marion	3465	3431	3214	2915	2954	2699	2536	2108	76	92	106	63	39	57	51	44	273	274	262	260	292	193	181	243
Marshall	7377	7349	6777	6208	6143	6289	6418	6113	134	118	127	41	79	65	65	65	456	457	437	435	487	320	266	372
Mills	1077	995	948	902	987	927	907	788	197	167	218	137	100	122	79	55	114	114	110	109	122	86	65	92
Mitchell	411	436	388	382	369	389	396	432	23	13	19	12	10	16	15	16	94	94	90	90	101	70	58	80

Table 2. Veterans Affairs Expenditures (in \$1,000s) in Selected Categories in Iowa's Counties, 1990-1997 (continued).

County	Compensation and Pension								Readjustment and Vocational Rehabilitation								Insurance and Indemnities							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Monona	823	803	823	786	892	1038	950	900	22	31	30	9	9	7	4	14	104	104	100	99	111	75	54	80
Monroe	1105	1082	1023	916	885	847	806	814	39	54	30	14	11	8	3	13	73	73	70	70	78	54	44	61
Montgomery	822	673	632	624	698	688	719	757	27	39	57	23	7	5	11	15	104	104	100	99	111	78	68	102
Muscatine	1565	1420	1383	1405	1388	1356	1431	1587	123	156	110	43	45	36	33	54	324	324	311	308	346	236	235	325
O'Brien	742	808	808	774	857	805	874	885	35	25	43	26	31	33	40	61	128	128	122	122	136	98	82	119
Osceola	494	390	414	348	330	331	312	319	18	25	20	3	2	5	2	11	62	62	59	59	66	48	40	59
Page	1210	1004	996	892	912	927	990	983	48	50	48	13	8	17	11	40	156	157	150	149	167	115	87	131
Palo Alto	572	557	551	542	575	585	590	578	85	85	82	25	21	29	25	21	97	97	93	93	104	73	54	80
Plymouth	969	994	910	905	915	1008	1113	1058	104	109	91	47	44	63	55	83	180	180	173	171	192	131	112	154
Pocahontas	614	653	561	536	590	626	589	553	18	36	35	5	4	9	3	12	81	82	78	78	87	61	59	81
Polk	22394	22658	21988	20897	21780	20690	20142	19612	2108	2199	2402	1309	1464	1272	1073	1216	3014	3019	2893	2873	3220	2130	2184	2840
Pottawattamie	5696	5550	5298	4796	4901	4709	4808	4606	403	427	340	142	172	196	178	353	816	818	783	778	872	608	550	740
Poweshiek	988	1060	1049	939	865	768	773	749	45	60	84	57	24	34	32	23	151	151	145	144	161	111	100	133
Ringgold	451	517	415	413	435	472	408	440	5	4	7	4	2	3	6	3	45	45	43	43	48	34	23	34
Sac	643	683	672	683	695	703	692	674	30	28	31	10	11	13	11	18	107	108	103	102	115	81	63	92
Scott	6445	6044	5783	5633	5764	5604	5495	5172	1145	1341	1398	577	609	542	534	584	1415	1418	1358	1349	1512	1024	981	1378
Shelby	677	639	597	610	639	603	568	620	39	38	36	21	19	15	17	25	115	115	110	110	123	85	71	98
Sioux	989	1000	938	962	977	943	948	915	99	62	61	31	39	54	70	72	197	198	189	188	211	146	117	168
Story	2280	2310	2143	2038	2041	2017	2043	1903	951	1018	1063	459	443	502	572	796	495	496	475	472	529	342	330	447
Tama	791	720	664	673	813	756	793	751	38	20	30	19	13	19	6	18	167	167	160	159	179	122	94	132
Taylor	516	574	564	522	578	569	591	603	23	17	14	3	.	1	2	8	69	69	66	66	74	51	39	59
Union	734	763	658	679	766	763	783	819	35	34	28	8	13	31	26	25	108	108	104	103	116	81	62	91
Van Buren	392	453	410	390	351	336	357	384	16	31	29	6	10	10	6	5	70	70	67	67	75	52	39	54
Wapello	3241	3305	3232	3057	3135	2962	2979	3094	254	277	239	110	145	99	93	106	382	383	367	365	409	280	230	334
Warren	2291	2299	2109	2058	2020	2010	1780	1823	147	112	186	55	67	84	66	99	320	320	307	305	341	233	204	274
Washington	778	741	727	772	912	910	886	878	25	27	46	24	19	20	9	26	161	162	155	154	172	118	95	130
Wayne	634	636	644	608	661	662	637	680	12	12	7	2	4	7	3	8	64	64	61	61	68	47	40	59
Webster	2354	2445	2225	2236	2218	2137	2248	2271	145	118	150	80	66	78	79	93	391	392	376	373	418	293	267	367
Winnebago	459	425	491	406	442	456	460	433	34	45	48	13	5	8	8	7	83	83	80	79	89	64	61	85
Winneshiek	866	887	865	818	775	799	842	874	71	76	89	25	29	32	37	50	143	143	137	136	152	108	94	130
Woodbury	6128	5728	5396	5636	5862	5715	5607	5546	473	508	457	314	262	306	339	312	919	921	882	876	982	677	581	817
Worth	455	440	404	399	406	392	393	413	22	15	19	6	10	10	3	11	68	69	66	65	73	51	45	63
Wright	687	747	721	703	751	736	712	725	22	23	20	11	12	14	23	38	129	130	124	123	138	98	79	115
State of Iowa	159591	157873	149722	145429	150128	146071	145260	142968	13881	14196	14750	7169	7022	7032	6718	8709	24596	24642	23607	23448	26279	17928	16131	22297

Table 3. Other Veterans Affairs Expenditures (in \$1,000s) in Iowa's Counties, 1990-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990
Medical Services								
and Administration:								
Johnson	85981	90387	89613	90807	84750	80444	73871	71628
Lee	15	216	242	0	0	243	222	171
Marion	48336	49425	51358	48236	48607	42826	39837	34455
Polk	62649	63164	65726	63720	60381	56532	51466	46524
Sac	0	0	575	0	0	0	0	0
State of Iowa	196981	203193	207514	202763	193737	180044	165395	152778
Construction and								
Related Costs:								
Johnson	484	1093	2197	1180	1420	482	458	4554
Lee	28	0	17	178	92	0	168	9
Marion	46	2408	2695	1549	422	370	85	3252
Polk	766	182	642	774	793	1179	94	41
Sac	0	0	6	893	0	0	0	0
State of Iowa	1325	3683	5556	4574	2726	2031	804	7856

these were the same counties as those receiving funds for medical services and administration. Expenditures in this category ranged from less than \$1 million in 1991 to nearly \$8 million in 1990. The \$1.3 million reported for 1997 was the second lowest noted during these years.

Note: See "Geographic Distribution of VA Expenditures: Fiscal Year: State, County, and Congressional District" (Department of Veterans Affairs, Office of Policy and Planning, Client Support Team, National Center for Veteran Analysis and Statistics, Washington, DC) for additional information. We thank Larry Sundall for bringing these data to the attention of Census Services.

Use of Absentee Ballots by Political Party Affiliation and by Age and Sex in Iowa's Counties: 1988-1996

Willis Goudy, Iowa State University
 Sandra Charvat Burke, Iowa State University
 W. Douglas Lovitt, State (Iowa) Registrar of Voters

The Office of the Secretary of State of Iowa analyzes data from elections. In this section, information is provided on voting by absentee ballot. The total number voting and the number voting absentee are reported; dividing the absentee voters by total voters and multiplying by 100 yields the percentage voting absentee. These figures are provided for all voting and by political party affiliation in Tables 1-5. In addition, the total voting and percent voting absentee are noted for five age groups in Tables 6-10 and by sex in Table 11. The elections for which data are included are those in which members were selected for federal office since 1988. These always include races for the U.S. House of Representatives. In addition, Iowa contests for the U.S. Senate occurred in 1990, 1992, and 1996. Elections for President took place in 1988, 1992, and 1996 and for governor in 1990 and 1994. The number and level of contests affect voting statistics.

Total Voting, Absentee Votes, and Percentage Cast by Absentee Ballot in Iowa

The number voting in Iowa was higher in 1992 (Table 3) than any other year from 1988 through 1996 (Tables 1-6). The other years with presidential contests (1988, 1996) also resulted in relatively large numbers voting. While total votes increased between some years and decreased between others, the number of absentee ballots gained throughout the period with one exception (1992 to 1994; decline of 11,000). In 1988, 75,168 voters completed absentee ballots; in 1996, 196,500 absentee votes were counted, a gain of 161.4 percent. That compares with an increase of 6.7 percent in total votes from 1988 to 1996. Thus, absentee votes have become a much larger percentage of the total cast, increasing from 6.5 percent in 1988 to 15.9 percent in 1996. In 1988, about 1 of 15 ballots were cast through absentee means; by 1996, nearly 1 of 6 votes occurred in that manner.

Absentee voting varied greatly across counties. In 1996, for example, fewer than 10 percent of the total ballots were cast by absentee voters in Fremont, Harrison, Louisa, Lyon, O'Brien, Osceola, Plymouth, Sac, Sioux, Winnebago, and Worth counties, many of which are in northwestern Iowa (Table 1). In Clarke, Johnson, Lee, Mahaska, Marion, Marshall, and Union, at least 20 percent of the votes were cast through absentee means; the highest figure was the 30.4 percent reported for Johnson.

Voting by Absentee Ballot by Political Party Affiliation

In 1996, 18.0 percent of those registered as Democrats voted absentee; so did 16.8 percent of Republicans. A much smaller percentage (12.0%) of those registered in other parties or not claiming a party affiliation cast absentee ballots (Table 1). The differences between percentages of Democrats and Republicans voting absentee generally were small; slightly higher percentages of Republicans used absentee ballots in 1988, 1990, and 1994. In all years, the lowest percentages were observed for those with other or no party affiliations.

Even though a higher percentage of Democrats used absentee ballots in 1996 than did Republicans, the actual number of absentee ballots cast was 3,000 higher among Republicans. That seeming anomaly occurred because 47,000 more Republicans than Democrats voted that year. Greater numbers of Republicans than Democrats voted absentee in three of the other four years as well; only in 1992 did more Democrats than Republicans vote absentee.

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Table 1. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1996 November Election by Total and Party Affiliation.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Adair	3982	448	11.3	1157	136	11.8	1910	230	12.0	915	82	9.0
Adams	2320	287	12.4	821	107	13.0	970	128	13.2	529	52	9.8
Allamakee	5832	775	13.3	1173	183	15.6	3471	429	12.4	1188	163	13.7
Appanoose	5646	970	17.2	2274	416	18.3	2154	418	19.4	1218	136	11.2
Audubon	3464	497	14.3	1452	206	14.2	1181	199	16.9	831	92	11.1
Benton	10366	1230	11.9	3314	418	12.6	3266	477	14.6	3786	335	8.8
Black Hawk	52951	7426	14.0	18800	2859	15.2	18222	2978	16.3	15929	1589	10.0
Boone	11654	1934	16.6	5129	854	16.7	3551	708	19.9	2974	372	12.5
Bremer	10158	1136	11.2	2440	346	14.2	3976	485	12.2	3742	305	8.2
Buchanan	9084	1178	13.0	3340	457	13.7	2732	420	15.4	3012	301	10.0
Buena Vista	7966	1094	13.7	1988	284	14.3	3572	520	14.6	2406	290	12.1
Butler	6713	848	12.6	1186	140	11.8	4097	546	13.3	1430	162	11.3
Calhoun	4818	650	13.5	1302	191	14.7	1733	288	16.6	1783	171	9.6
Carroll	8772	1094	12.5	4238	499	11.8	2179	347	15.9	2355	248	10.5
Cass	6947	870	12.5	1462	227	15.5	4002	481	12.0	1483	162	10.9
Cedar	7674	918	12.0	2081	266	12.8	2839	382	13.5	2754	270	9.8
Cerro Gordo	21327	4032	18.9	7674	1632	21.3	7377	1579	21.4	6276	821	13.1
Cherokee	6391	658	10.3	1957	197	10.1	2856	327	11.4	1578	134	8.5
Chickasaw	6332	1025	16.2	2695	459	17.0	1956	339	17.3	1681	227	13.5
Clarke	3925	907	23.1	1462	374	25.6	1483	346	23.3	980	187	19.1
Clay	7657	866	11.3	1839	227	12.3	3650	447	12.2	2168	192	8.9
Clayton	8223	913	11.1	2687	326	12.1	2921	335	11.5	2615	252	9.6
Clinton	21230	2646	12.5	6278	930	14.8	7874	1049	13.3	7078	667	9.4
Crawford	6761	698	10.3	2521	263	10.4	2439	287	11.8	1801	148	8.2
Dallas	15946	2750	17.2	5616	1038	18.5	5825	1151	19.8	4505	561	12.5
Davis	3809	621	16.3	1936	326	16.8	1126	189	16.8	747	106	14.2
Decatur	3620	478	13.2	1642	241	14.7	1299	177	13.6	679	60	8.8
Delaware	7527	957	12.7	1931	239	12.4	3015	428	14.2	2581	290	11.2
Des Moines	18105	2896	16.0	9018	1557	17.3	4951	818	16.5	4136	521	12.6
Dickinson	7717	1313	17.0	2199	385	17.5	3120	620	19.9	2398	308	12.8
Dubuque	37864	5935	15.7	18685	3083	16.5	9404	1698	18.1	9775	1154	11.8
Emmet	4447	475	10.7	1672	221	13.2	1654	153	9.3	1121	101	9.0
Fayette	9743	1496	15.4	2907	512	17.6	3933	634	16.1	2903	350	12.1
Floyd	6713	997	14.9	2226	325	14.6	2370	456	19.2	2117	216	10.2
Franklin	4791	620	12.9	1091	177	16.2	2678	332	12.4	1022	111	10.9
Fremont	3631	359	9.9	1140	91	8.0	1645	200	12.2	846	68	8.0
Greene	4422	533	12.1	1366	192	14.1	2051	254	12.4	1005	87	8.7
Grundy	5693	629	11.0	1014	121	11.9	3284	395	12.0	1395	113	8.1
Guthrie	5076	671	13.2	1599	194	12.1	2359	345	14.6	1118	132	11.8
Hamilton	7090	1122	15.8	2123	407	19.2	2943	505	17.2	2024	210	10.4
Hancock	5283	585	11.1	1247	153	12.3	2855	327	11.5	1181	105	8.9
Hardin	8414	1370	16.3	2413	457	18.9	3799	627	16.5	2202	286	13.0
Harrison	6390	591	9.2	2333	238	10.2	2649	259	9.8	1408	94	6.7
Henry	8275	1499	18.1	1802	402	22.3	4184	752	18.0	2289	345	15.1
Howard	4457	450	10.1	1639	139	8.5	1452	188	12.9	1366	123	9.0
Humboldt	4952	644	13.0	1270	175	13.8	2247	317	14.1	1435	152	10.6
Ida	3772	406	10.8	883	104	11.8	2218	236	10.6	671	66	9.8
Iowa	7074	908	12.8	1931	287	14.9	2934	411	14.0	2209	210	9.5
Jackson	8764	1398	16.0	4788	758	15.8	2230	408	18.3	1746	232	13.3
Jasper	16775	2493	14.9	7100	1235	17.4	5733	862	15.0	3942	396	10.0

Table 1. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1996 November Election by Total and Party Affiliation (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes	Total Votes Cast	Absentee Votes	Percent Absentee Votes	Total Votes Cast	Absentee Votes	Percent Absentee Votes	Total Votes Cast	Absentee Votes	Percent Absentee Votes
Jefferson	7303	1156	15.8	1286	209	16.3	4254	702	16.5	1763	245	13.9
Johnson	45327	13758	30.4	20592	6924	33.6	10629	3233	30.4	14106	3601	25.5
Jones	8645	1003	11.6	3017	342	11.3	3084	456	14.8	2544	205	8.1
Keokuk	5188	798	15.4	2177	402	18.5	1863	260	14.0	1148	136	11.8
Kossuth	8622	1179	13.7	3510	482	13.7	3106	485	15.6	2006	212	10.6
Lee	15727	3169	20.2	6811	1657	24.3	3922	722	18.4	4994	790	15.8
Linn	82248	14640	17.8	27298	5462	20.0	25629	5247	20.5	29321	3931	13.4
Louisa	4233	348	8.2	1042	93	8.9	2191	181	8.3	1000	74	7.4
Lucas	4205	730	17.4	1400	251	17.9	1855	335	18.1	950	144	15.2
Lyon	5353	459	8.6	791	69	8.7	3947	337	8.5	615	53	8.6
Madison	6321	989	15.6	2332	377	16.2	2490	439	17.6	1499	173	11.5
Mahaska	9029	2262	25.1	2410	692	28.7	4573	1165	25.5	2046	405	19.8
Marion	13217	3108	23.5	4906	1192	24.3	5130	1373	26.8	3181	543	17.1
Marshall	17257	4964	28.8	5922	1924	32.5	7133	2101	29.5	4202	939	22.3
Mills	5840	730	12.5	1192	142	11.9	3595	475	13.2	1053	113	10.7
Mitchell	5114	602	11.8	1425	195	13.7	2144	267	12.5	1545	140	9.1
Monona	4278	462	10.8	1590	189	11.9	1396	177	12.7	1292	96	7.4
Monroe	3563	608	17.1	1667	285	17.1	1230	228	18.5	666	95	14.3
Montgomery	5227	676	12.9	897	140	15.6	3309	447	13.5	1021	89	8.7
Muscatine	15087	2358	15.6	3369	528	15.7	7518	1357	18.1	4200	473	11.3
O'Brien	6670	641	9.6	1196	129	10.8	3906	384	9.8	1568	128	8.2
Osceola	3090	286	9.3	585	46	7.9	2047	202	9.9	458	38	8.3
Page	7086	862	12.2	1159	151	13.0	4264	550	12.9	1663	161	9.7
Palo Alto	4719	606	12.8	2164	301	13.9	1575	196	12.4	980	109	11.1
Plymouth	9870	910	9.2	1975	174	8.8	5526	563	10.2	2369	173	7.3
Pocahontas	4245	524	12.3	1288	173	13.4	1573	212	13.5	1384	139	10.0
Polk	155640	28797	18.5	66910	12981	19.4	59005	12079	20.5	29725	3737	12.6
Pottawattamie	32776	4055	12.4	10256	1363	13.3	14471	2003	13.8	8049	688	8.5
Poweshiek	8189	1149	14.0	2871	456	15.9	3197	428	13.4	2121	265	12.5
Ringgold	2829	475	16.8	1000	160	16.0	1392	260	18.7	437	55	12.6
Sac	4986	481	9.6	1040	118	11.3	2587	242	9.4	1359	121	8.9
Scott	66399	9764	14.7	19855	3371	17.0	24957	4209	16.9	21587	2184	10.1
Shelby	5966	617	10.3	2327	241	10.4	2267	287	12.7	1372	89	6.5
Sioux	14032	1187	8.5	1222	98	8.0	10675	929	8.7	2135	160	7.5
Story	32461	6326	19.5	10485	2288	21.8	11627	2661	22.9	10349	1377	13.3
Tama	7687	881	11.5	2794	353	12.6	2905	366	12.6	1988	161	8.1
Taylor	3336	486	14.6	862	127	14.7	1866	271	14.5	608	88	14.5
Union	5678	1287	22.7	1851	485	26.2	2394	566	23.6	1433	236	16.5
Van Buren	3420	369	10.8	831	98	11.8	2006	207	10.3	583	64	11.0
Wapello	14793	2669	18.0	8275	1620	19.6	3490	657	18.8	3028	392	12.9
Warren	17603	2923	16.6	7037	1245	17.7	6246	1134	18.2	4320	544	12.6
Washington	8221	1158	14.1	1831	262	14.3	4289	654	15.2	2101	242	11.5
Wayne	3322	410	12.3	1202	150	12.5	1419	190	13.4	701	70	10.0
Webster	16321	2631	16.1	6966	1210	17.4	5137	931	18.1	4218	490	11.6
Winnebago	5476	543	9.9	1354	142	10.5	2190	260	11.9	1932	141	7.3
Winneshiek	8857	1060	12.0	2193	326	14.9	4180	466	11.1	2484	267	10.7
Woodbury	37185	4901	13.2	11908	1951	16.4	14729	2063	14.0	10548	887	8.4
Worth	4012	364	9.1	1256	131	10.4	1764	160	9.1	992	73	7.4
Wright	6065	843	13.9	1493	226	15.1	3176	457	14.4	1396	160	11.5
State of Iowa	1233261	196500	15.9	428661	76985	18.0	476227	80061	16.8	328373	39451	12.0

Table 2. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1994 November Election by Total and Party Affiliation.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Adair	3815	404	10.6	1094	110	10.1	1982	246	12.4	739	48	6.5
Adams	2220	214	9.6	784	73	9.3	1017	108	10.6	419	33	7.9
Allamakee	5199	620	11.9	1060	134	12.6	3282	412	12.6	857	74	8.6
Appanoose	4644	659	14.2	1959	285	14.5	1927	307	15.9	758	67	8.8
Audubon	3035	316	10.4	1333	110	8.3	1145	170	14.8	557	36	6.5
Benton	8536	653	7.6	2844	201	7.1	2951	333	11.3	2741	119	4.3
Black Hawk	44606	4702	10.5	16548	1893	11.4	17531	2245	12.8	10527	564	5.4
Boone	9745	1291	13.2	4019	521	13.0	3610	596	16.5	2116	174	8.2
Bremer	8410	717	8.5	2153	203	9.4	3657	388	10.6	2600	126	4.8
Buchanan	7237	639	8.8	2805	224	8.0	2496	314	12.6	1936	101	5.2
Buena Vista	6789	720	10.6	1809	195	10.8	3391	429	12.7	1589	96	6.0
Butler	5229	498	9.5	1086	92	8.5	3242	364	11.2	901	42	4.7
Calhoun	4405	443	10.1	1232	115	9.3	1796	251	14.0	1377	77	5.6
Carroll	8056	714	8.9	4523	367	8.1	1967	243	12.4	1566	104	6.6
Cass	5849	620	10.6	1190	132	11.1	3785	431	11.4	874	57	6.5
Cedar	6480	614	9.5	1911	206	10.8	2602	255	9.8	1967	153	7.8
Cerro Gordo	17080	2540	14.9	5834	902	15.5	7159	1298	18.1	4087	340	8.3
Cherokee	5271	487	9.2	1588	136	8.6	2787	302	10.8	896	49	5.5
Chickasaw	5850	1014	17.3	2414	433	17.9	1973	354	17.9	1463	227	15.5
Clarke	3441	605	17.6	1399	240	17.2	1427	281	19.7	615	84	13.7
Clay	6247	576	9.2	1609	157	9.8	3293	358	10.9	1345	61	4.5
Clayton	7392	647	8.8	2526	238	9.4	2913	288	9.9	1953	121	6.2
Clinton	17397	1939	11.1	5546	700	12.6	7539	930	12.3	4312	309	7.2
Crawford	5951	461	7.7	2499	179	7.2	2237	212	9.5	1215	70	5.8
Dallas	13055	1701	13.0	5005	645	12.9	5253	833	15.9	2797	223	8.0
Davis	3289	424	12.9	1671	227	13.6	1101	146	13.3	517	51	9.9
Decatur	3082	307	10.0	1373	137	10.0	1235	143	11.6	474	27	5.7
Delaware	6610	782	11.8	1782	210	11.8	2957	450	15.2	1871	122	6.5
Des Moines	14218	1674	11.8	6599	823	12.5	4758	663	13.9	2861	188	6.6
Dickinson	6045	915	15.1	1545	217	14.0	2921	564	19.3	1579	134	8.5
Dubuque	29518	3192	10.8	16130	1727	10.7	7769	1115	14.4	5619	350	6.2
Emmet	3910	370	9.5	1610	153	9.5	1591	182	11.4	709	35	4.9
Fayette	8594	985	11.5	2799	363	13.0	3670	488	13.3	2125	134	6.3
Floyd	5888	869	14.8	1969	253	12.8	2428	469	19.3	1491	147	9.9
Franklin	4288	367	8.6	992	80	8.1	2586	241	9.3	710	46	6.5
Fremont	2843	255	9.0	904	78	8.6	1480	149	10.1	459	28	6.1
Greene	4253	421	9.9	1558	150	9.6	1821	226	12.4	874	45	5.1
Grundy	4771	486	10.2	873	77	8.8	3050	355	11.6	848	54	6.4
Guthrie	4521	491	10.9	1504	148	9.8	2230	291	13.0	787	52	6.6
Hamilton	6476	1005	15.5	2104	391	18.6	2943	476	16.2	1429	138	9.7
Hancock	4771	481	10.1	1071	96	9.0	2807	316	11.3	893	69	7.7
Hardin	7609	954	12.5	2262	290	12.8	3787	541	14.3	1560	123	7.9
Harrison	5486	413	7.5	2058	142	6.9	2484	205	8.3	944	66	7.0
Henry	6710	1187	17.7	1528	318	20.8	3566	650	18.2	1616	219	13.6
Howard	3924	339	8.6	1619	115	7.1	1421	172	12.1	884	52	5.9
Humboldt	4307	425	9.9	1103	97	8.8	2229	262	11.8	975	66	6.8
Ida	2983	253	8.5	793	67	8.4	1758	166	9.4	432	20	4.6
Iowa	5748	514	8.9	1669	143	8.6	2585	302	11.7	1494	69	4.6
Jackson	6885	687	10.0	3074	250	8.1	2501	350	14.0	1310	87	6.6
Jasper	14732	1936	13.1	6462	926	14.3	5362	803	15.0	2908	207	7.1

Table 2. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1994 November Election by Total and Party Affiliation (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Jefferson	5679	575	10.1	1382	114	8.2	2520	366	14.5	1777	95	5.3
Johnson	34304	8238	24.0	16955	4302	25.4	9378	2477	26.4	7971	1459	18.3
Jones	7202	661	9.2	2592	207	8.0	2941	353	12.0	1669	101	6.1
Keokuk	4749	660	13.9	1810	280	15.5	2017	268	13.3	922	112	12.1
Kossuth	7545	757	10.0	3349	327	9.8	2779	350	12.6	1417	80	5.6
Lee	12039	1900	15.8	5439	1018	18.7	3454	574	16.6	3146	308	9.8
Linn	62238	7501	12.1	22378	2747	12.3	22021	3625	16.5	17839	1129	6.3
Louisa	3250	349	10.7	783	64	8.2	1960	256	13.1	507	29	5.7
Lucas	3633	498	13.7	1301	162	12.5	1661	246	14.8	671	90	13.4
Lyon	3923	291	7.4	640	45	7.0	2994	235	7.8	289	11	3.8
Madison	5391	656	12.2	2094	236	11.3	2316	347	15.0	981	73	7.4
Mahaska	7120	1008	14.2	1955	266	13.6	4072	625	15.3	1093	117	10.7
Marion	10431	1415	13.6	4049	481	11.9	4435	770	17.4	1947	164	8.4
Marshall	15397	3552	23.1	5326	1325	24.9	6912	1721	24.9	3159	506	16.0
Mills	4235	492	11.6	888	90	10.1	2769	351	12.7	578	51	8.8
Mitchell	4411	476	10.8	1230	139	11.3	2112	266	12.6	1069	71	6.6
Monona	3741	354	9.5	1530	149	9.7	1280	142	11.1	931	63	6.8
Monroe	2726	463	17.0	1329	193	14.5	1000	205	20.5	397	65	16.4
Montgomery	4067	495	12.2	775	106	13.7	2613	351	13.4	679	38	5.6
Muscatine	10839	1360	12.5	2464	278	11.3	5752	876	15.2	2623	206	7.9
O'Brien	5356	404	7.5	949	71	7.5	3488	293	8.4	919	40	4.4
Osceola	2454	186	7.6	508	38	7.5	1715	142	8.3	231	6	2.6
Page	5390	504	9.4	865	79	9.1	3615	377	10.4	910	48	5.3
Palo Alto	4093	375	9.2	1928	173	9.0	1523	162	10.6	642	40	6.2
Plymouth	7481	560	7.5	1755	105	6.0	4336	396	9.1	1390	59	4.2
Pocahontas	3515	341	9.7	1117	102	9.1	1487	181	12.2	911	58	6.4
Polk	137139	24330	17.7	60140	11101	18.5	56309	10905	19.4	20690	2324	11.2
Pottawattamie	23398	2	.0	7232	2	.0	11957	0	.0	4209	0	.0
Poweshiek	7077	820	11.6	2550	321	12.6	3021	370	12.2	1506	129	8.6
Ringgold	2490	308	12.4	890	99	11.1	1267	183	14.4	333	26	7.8
Sac	4152	339	8.2	875	61	7.0	2346	235	10.0	931	43	4.6
Scott	48676	5558	11.4	14657	1749	11.9	21410	3067	14.3	12609	742	5.9
Shelby	5202	457	8.8	1816	152	8.4	2115	245	11.6	1271	60	4.7
Sioux	11090	800	7.2	901	50	5.5	9189	712	7.7	1000	38	3.8
Story	26338	3755	14.3	8985	1305	14.5	10780	1897	17.6	6573	553	8.4
Tama	6891	688	10.0	2636	255	9.7	2891	356	12.3	1364	77	5.6
Taylor	2486	230	9.3	721	65	9.0	1349	144	10.7	416	21	5.0
Union	5545	1463	26.4	1833	517	28.2	2413	613	25.4	1299	333	25.6
Van Buren	2899	276	9.5	783	64	8.2	1699	182	10.7	417	30	7.2
Wapello	11690	1701	14.6	6790	1020	15.0	3058	491	16.1	1842	190	10.3
Warren	14726	1917	13.0	6248	804	12.9	5757	890	15.5	2721	223	8.2
Washington	6862	1034	15.1	1589	262	16.5	3769	537	14.2	1504	235	15.6
Wayne	2935	322	11.0	1153	120	10.4	1296	161	12.4	486	41	8.4
Webster	14564	1735	11.9	6229	738	11.8	5262	780	14.8	3073	217	7.1
Winnebago	4786	402	8.4	1138	100	8.8	2174	237	10.9	1474	65	4.4
Winneshiek	7423	577	7.8	1912	141	7.4	3822	364	9.5	1689	72	4.3
Woodbury	30376	3499	11.5	10195	1415	13.9	13206	1574	11.9	6975	510	7.3
Worth	3302	255	7.7	1108	96	8.7	1573	123	7.8	621	36	5.8
Wright	5454	676	12.4	1394	205	14.7	3062	378	12.3	998	93	9.3
State of Iowa	1014110	128741	12.7	366988	49708	13.5	432877	62072	14.3	214245	16961	7.9

Table 3. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1992 November Election by Total and Party Affiliation.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Adair	4361	397	9.1	1325	114	8.6	1986	200	10.1	1050	83	7.9
Adams	2618	268	10.2	940	108	11.5	1029	106	10.3	649	54	8.3
Allamakee	6731	742	11.0	1562	211	13.5	3462	351	10.1	1707	180	10.5
Appanoose	6411	868	13.5	2909	396	13.6	2153	344	16.0	1349	128	9.5
Audubon	3886	425	10.9	1780	187	10.5	1218	139	11.4	888	99	11.1
Benton	11054	840	7.6	3865	332	8.6	2915	285	9.8	4274	223	5.2
Black Hawk	61564	5592	9.1	24124	2363	9.8	18369	2022	11.0	19071	1207	6.3
Boone	12439	1306	10.5	5737	647	11.3	3047	383	12.6	3655	276	7.6
Bremer	11619	890	7.7	3079	307	10.0	3936	296	7.5	4604	287	6.2
Buchanan	9780	906	9.3	3922	365	9.3	2653	308	11.6	3205	233	7.3
Buena Vista	9212	912	9.9	2661	290	10.9	3531	389	11.0	3020	233	7.7
Butler	7159	569	7.9	1609	141	8.8	3800	286	7.5	1750	142	8.1
Calhoun	5574	621	11.1	1686	221	13.1	1840	249	13.5	2048	151	7.4
Carroll	9974	1002	10.0	5387	564	10.5	1975	221	11.2	2612	217	8.3
Cass	7636	719	9.4	1652	180	10.9	4419	363	8.2	1565	176	11.2
Cedar	8202	729	8.9	2489	280	11.2	2750	257	9.3	2963	192	6.5
Cerro Gordo	24209	2997	12.4	8719	1196	13.7	7755	1136	14.6	7735	665	8.6
Cherokee	7339	753	10.3	2524	256	10.1	2780	305	11.0	2035	192	9.4
Chickasaw	6528	828	12.7	2888	414	14.3	1735	246	14.2	1905	168	8.8
Clarke	4320	661	15.3	1825	270	14.8	1415	262	18.5	1080	129	11.9
Clay	8371	714	8.5	2309	226	9.8	3350	287	8.6	2712	201	7.4
Clayton	9242	863	9.3	3248	324	10.0	2922	274	9.4	3072	265	8.6
Clinton	24853	2662	10.7	8341	972	11.7	7809	959	12.3	8703	731	8.4
Crawford	7720	662	8.6	3203	231	7.2	2187	236	10.8	2330	195	8.4
Dallas	15019	1571	10.5	6533	745	11.4	4149	487	11.7	4337	339	7.8
Davis	4093	513	12.5	2173	274	12.6	1163	151	13.0	757	88	11.6
Decatur	4121	422	10.2	1910	207	10.8	1349	140	10.4	862	75	8.7
Delaware	8438	803	9.5	2433	251	10.3	3018	333	11.0	2987	218	7.3
Des Moines	21346	2557	12.0	9859	1255	12.7	5171	661	12.8	6316	641	10.1
Dickinson	8389	1211	14.4	2340	331	14.1	2970	505	17.0	3079	375	12.2
Dubuque	42865	4538	10.6	23105	2656	11.5	8107	1021	12.6	11653	861	7.4
Emmet	5256	574	10.9	2254	251	11.1	1723	194	11.3	1279	129	10.1
Fayette	10774	1192	11.1	3716	474	12.8	3765	455	12.1	3293	263	8.0
Floyd	7862	854	10.9	2734	315	11.5	2606	357	13.7	2522	182	7.2
Franklin	5230	425	8.1	1494	141	9.4	2503	208	8.3	1233	76	6.2
Fremont	4032	386	9.6	1363	124	9.1	1702	169	9.9	967	93	9.6
Greene	5417	525	9.7	2164	231	10.7	1793	183	10.2	1460	111	7.6
Grundy	6172	532	8.6	1208	111	9.2	3474	300	8.6	1490	121	8.1
Guthrie	5507	551	10.0	2030	188	9.3	2211	240	10.9	1266	123	9.7
Hamilton	8133	1251	15.4	2895	544	18.8	2735	413	15.1	2503	294	11.7
Hancock	5856	547	9.3	1546	132	8.5	2666	262	9.8	1644	153	9.3
Hardin	9509	1181	12.4	3148	441	14.0	3639	488	13.4	2722	252	9.3
Harrison	6985	498	7.1	2787	186	6.7	2451	175	7.1	1747	137	7.8
Henry	8856	925	10.4	2241	266	11.9	3989	410	10.3	2626	249	9.5
Howard	4995	442	8.8	1978	161	8.1	1538	180	11.7	1479	101	6.8
Humboldt	5453	545	10.0	1678	158	9.4	2045	230	11.2	1730	157	9.1
Ida	4261	413	9.7	1227	119	9.7	1953	180	9.2	1081	114	10.5
Iowa	7300	646	8.8	2082	219	10.5	2780	265	9.5	2438	162	6.6
Jackson	9485	860	9.1	4897	418	8.5	2009	212	10.6	2579	230	8.9
Jasper	18116	2029	11.2	8183	994	12.1	5215	631	12.1	4718	404	8.6

Table 3. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1992 November Election by Total and Party Affiliation (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Jefferson	8510	835	9.8	2238	210	9.4	2866	327	11.4	3406	298	8.7
Johnson	52287	8846	16.9	24684	4785	19.4	10553	1787	16.9	17050	2274	13.3
Jones	9138	778	8.5	3600	297	8.3	2950	284	9.6	2588	197	7.6
Keokuk	5630	598	10.6	2246	252	11.2	2010	194	9.7	1374	152	11.1
Kossuth	9170	947	10.3	3988	393	9.9	2653	319	12.0	2529	235	9.3
Lee	17953	2082	11.6	8182	1092	13.3	3785	437	11.5	5986	553	9.2
Linn	90218	9008	10.0	33669	3775	11.2	22630	2887	12.8	33919	2346	6.9
Louisa	4896	402	8.2	1351	118	8.7	2389	213	8.9	1156	71	6.1
Lucas	4699	666	14.2	1799	233	13.0	1771	270	15.2	1129	163	14.4
Lyon	5762	360	6.2	1032	82	7.9	3912	226	5.8	818	52	6.4
Madison	6458	681	10.5	2757	300	10.9	2115	270	12.8	1586	111	7.0
Mahaska	10218	993	9.7	3387	386	11.4	4361	405	9.3	2470	202	8.2
Marion	13679	1484	10.8	5741	693	12.1	4278	447	10.4	3660	344	9.4
Marshall	18964	3375	17.8	6918	1404	20.3	6947	1291	18.6	5099	680	13.3
Mills	6158	564	9.2	1341	156	11.6	3606	291	8.1	1211	117	9.7
Mitchell	5684	625	11.0	1665	230	13.8	2233	225	10.1	1786	170	9.5
Monona	4851	369	7.6	1905	159	8.3	1262	110	8.7	1684	100	5.9
Monroe	4061	637	15.7	2101	331	15.8	1168	197	16.9	792	109	13.8
Montgomery	5672	628	11.1	1109	139	12.5	3254	373	11.5	1309	116	8.9
Muscatine	16691	1614	9.7	4188	388	9.3	6789	773	11.4	5714	453	7.9
O'Brien	7625	641	8.4	1563	136	8.7	3912	326	8.3	2150	179	8.3
Osceola	3613	302	8.4	850	71	8.4	2163	171	7.9	600	60	10.0
Page	7573	682	9.0	1398	133	9.5	4134	381	9.2	2041	168	8.2
Palo Alto	5418	604	11.1	3098	352	11.4	1102	136	12.3	1218	116	9.5
Plymouth	10536	783	7.4	2833	224	7.9	4287	311	7.3	3416	248	7.3
Pocahontas	4855	536	11.0	1690	205	12.1	1480	169	11.4	1685	162	9.6
Polk	170408	16883	9.9	81721	8932	10.9	52448	5549	10.6	36239	2402	6.6
Pottawattamie	36807	210	0.6	12613	34	0.3	14741	73	0.5	9453	103	1.1
Poweshiek	9129	954	10.5	3485	390	11.2	3114	319	10.2	2530	245	9.7
Ringgold	2904	371	12.8	1121	129	11.5	1294	166	12.3	489	76	15.5
Sac	5463	387	7.1	1374	107	7.8	2286	165	7.2	1803	115	6.4
Scott	74098	6777	9.1	25277	2562	10.1	22977	2436	10.6	25844	1779	6.9
Shelby	6519	614	9.4	2336	230	9.8	2264	232	10.2	1919	152	7.9
Sioux	14623	866	5.9	1582	125	7.9	10340	599	5.8	2701	142	5.3
Story	36627	3254	8.9	13135	1303	9.9	10783	1201	11.1	12709	750	5.9
Tama	8664	752	8.7	3555	305	8.6	2793	271	9.7	2316	176	7.6
Taylor	3587	386	10.8	1096	129	11.8	1628	181	11.1	863	76	8.8
Union	6195	987	15.9	2234	426	19.1	2213	382	17.3	1748	179	10.2
Van Buren	3754	355	9.5	1116	124	11.1	1881	155	8.2	757	76	10.0
Wapello	17397	2760	15.9	10394	1734	16.7	3100	494	15.9	3903	532	13.6
Warren	19297	1789	9.3	8692	838	9.6	5542	593	10.7	5063	358	7.1
Washington	9075	883	9.7	2137	236	11.0	4486	471	10.5	2452	176	7.2
Wayne	3590	372	10.4	1497	160	10.7	1321	135	10.2	772	77	10.0
Webster	19037	2249	11.8	8880	1051	11.8	4553	714	15.7	5604	484	8.6
Winnebago	6103	492	8.1	1538	123	8.0	2131	225	10.6	2434	144	5.9
Winneshiek	10186	818	8.0	2714	226	8.3	4344	385	8.9	3128	207	6.6
Woodbury	42661	4488	10.5	15702	1927	12.3	13323	1529	11.5	13636	1032	7.6
Worth	4465	400	9.0	1686	156	9.3	1646	169	10.3	1133	75	6.6
Wright	6799	722	10.6	1915	243	12.7	2859	299	10.5	2025	180	8.9
State of Iowa	1371979	139726	10.2	526895	59821	11.4	446437	48317	10.8	398647	31587	7.9

Table 4. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1990 November Election by Total and Party Affiliation.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Adair	3818	320	8.4	1246	100	8.0	1824	182	10.0	748	38	5.1
Adams	1986	156	7.9	708	59	8.3	918	83	9.0	360	14	3.9
Allamakee	5454	481	8.8	1514	128	8.5	2920	277	9.5	1020	76	7.5
Appanoose	4727	567	12.0	2204	267	12.1	1794	263	14.7	729	37	5.1
Audubon	3462	403	11.6	1749	203	11.6	1069	131	12.3	644	69	10.7
Benton	8302	425	5.1	3032	156	5.1	2368	176	7.4	2902	93	3.2
Black Hawk	43806	3855	8.8	17649	1539	8.7	15266	1899	12.4	10891	417	3.8
Boone	9554	904	9.5	4223	411	9.7	2695	367	13.6	2636	126	4.8
Bremer	8164	424	5.2	2329	125	5.4	3023	240	7.9	2812	59	2.1
Buchanan	7303	461	6.3	3158	146	4.6	2358	264	11.2	1787	51	2.9
Buena Vista	7467	685	9.2	2278	216	9.5	3264	357	10.9	1925	112	5.8
Butler	5216	416	8.0	1145	73	6.4	3234	306	9.5	837	37	4.4
Calhoun	4384	34	0.8	1454	11	0.8	1557	14	0.9	1373	9	0.7
Carroll	7600	0	0.0	4440	0	0.0	1629	0	0.0	1531	0	0.0
Cass	6133	609	9.9	1465	131	8.9	3661	384	10.5	1007	94	9.3
Cedar	6199	552	8.9	1990	198	9.9	2358	269	11.4	1851	85	4.6
Cerro Gordo	18066	1722	9.5	6915	664	9.6	6277	832	13.3	4874	226	4.6
Cherokee	5969	506	8.5	2073	151	7.3	2400	251	10.5	1496	104	7.0
Chickasaw	5212	634	12.2	2536	334	13.2	1556	239	15.4	1120	61	5.4
Clarke	3508	449	12.8	1438	147	10.2	1342	235	17.5	728	67	9.2
Clay	6310	491	7.8	1807	163	9.0	2932	266	9.1	1571	62	3.9
Clayton	7467	583	7.8	2943	214	7.3	2550	248	9.7	1974	121	6.1
Clinton	18661	1553	8.3	6175	566	9.2	6812	761	11.2	5674	226	4.0
Crawford	5795	351	6.1	2517	115	4.6	1876	172	9.2	1402	64	4.6
Dallas	11060	1061	9.6	5342	493	9.2	3094	425	13.7	2624	143	5.4
Davis	3177	334	10.5	1799	187	10.4	921	116	12.6	457	31	6.8
Decatur	3039	236	7.8	1431	110	7.7	1121	98	8.7	487	28	5.7
Delaware	6635	629	9.5	2006	159	7.9	2768	366	13.2	1861	104	5.6
Des Moines	15894	1785	11.2	7874	924	11.7	4034	515	12.8	3986	346	8.7
Dickinson	5956	723	12.1	1685	190	11.3	2404	391	16.3	1867	142	7.6
Dubuque	31927	2905	9.1	18161	1644	9.1	6667	893	13.4	7099	368	5.2
Emmet	4053	352	8.7	1670	127	7.6	1557	184	11.8	826	41	5.0
Fayette	9259	933	10.1	3289	354	10.8	3687	455	12.3	2283	124	5.4
Floyd	6132	479	7.8	2239	144	6.4	2409	281	11.7	1484	54	3.6
Franklin	4391	313	7.1	1238	93	7.5	2367	183	7.7	786	37	4.7
Fremont	3301	352	10.7	1152	108	9.4	1614	188	11.6	535	56	10.5
Greene	4532	196	4.3	1841	90	4.9	1548	74	4.8	1143	32	2.8
Grundy	4852	344	7.1	1006	65	6.5	2959	245	8.3	887	34	3.8
Guthrie	4211	379	9.0	1637	112	6.8	1735	226	13.0	839	41	4.9
Hamilton	6279	571	9.1	2381	255	10.7	2389	263	11.0	1509	53	3.5
Hancock	4669	307	6.6	1296	68	5.2	2336	205	8.8	1037	34	3.3
Hardin	7963	978	12.3	2902	427	14.7	3183	384	12.1	1878	167	8.9
Harrison	4643	297	6.4	1998	96	4.8	1869	165	8.8	776	36	4.6
Henry	6507	514	7.9	1879	152	8.1	3002	285	9.5	1626	77	4.7
Howard	4036	317	7.9	1757	121	6.9	1300	155	11.9	979	41	4.2
Humboldt	4521	377	8.3	1501	116	7.7	1907	211	11.1	1113	50	4.5
Ida	3237	273	8.4	1035	78	7.5	1517	149	9.8	685	46	6.7
Iowa	5989	430	7.2	1837	114	6.2	2492	244	9.8	1660	72	4.3
Jackson	7679	536	7.0	3851	209	5.4	1954	214	11.0	1874	113	6.0
Jasper	13873	1154	8.3	6612	565	8.5	4266	468	11.0	2995	121	4.0

Table 4. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1990 November Election by Total and Party Affiliation (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Jefferson	5792	494	8.5	1684	137	8.1	2434	254	10.4	1674	103	6.2
Johnson	32730	3460	10.6	17154	1911	11.1	6945	1056	15.2	8631	493	5.7
Jones	7059	509	7.2	2964	206	7.0	2511	233	9.3	1584	70	4.4
Keokuk	4613	439	9.5	1809	153	8.5	1773	208	11.7	1031	78	7.6
Kossuth	7694	630	8.2	3523	259	7.4	2435	288	11.8	1736	83	4.8
Lee	13501	1450	10.7	6559	803	12.2	3204	386	12.0	3738	261	7.0
Linn	62701	5657	9.0	24927	2359	9.5	17039	2430	14.3	20735	868	4.2
Louisa	3854	315	8.2	1028	64	6.2	2133	218	10.2	693	33	4.8
Lucas	3666	406	11.1	1509	135	8.9	1559	212	13.6	598	59	9.9
Lyon	4318	275	6.4	893	51	5.7	2981	212	7.1	444	12	2.7
Madison	5286	469	8.9	2429	203	8.4	1926	215	11.2	931	51	5.5
Mahaska	7842	647	8.3	2656	214	8.1	3560	346	9.7	1626	87	5.4
Marion	10963	895	8.2	4990	396	7.9	3584	403	11.2	2389	96	4.0
Marshall	14974	1832	12.2	5854	779	13.3	5775	809	14.0	3345	244	7.3
Mills	4002	308	7.7	946	57	6.0	2415	219	9.1	641	32	5.0
Mitchell	4636	362	7.8	1482	113	7.6	2096	201	9.6	1058	48	4.5
Monona	3508	276	7.9	1502	110	7.3	1068	129	12.1	938	37	3.9
Monroe	3379	398	11.8	1834	181	9.9	1009	144	14.3	536	73	13.6
Montgomery	4064	381	9.4	896	65	7.3	2371	273	11.5	797	43	5.4
Muscatine	11522	1168	10.1	2951	270	9.1	4970	663	13.3	3601	235	6.5
O'Brien	5814	374	6.4	1227	72	5.9	3246	249	7.7	1341	53	4.0
Osceola	2719	163	6.0	680	34	5.0	1777	108	6.1	262	21	8.0
Page	5421	401	7.4	1003	66	6.6	3406	304	8.9	1012	31	3.1
Palo Alto	4358	387	8.9	2566	210	8.2	970	118	12.2	822	59	7.2
Plymouth	7525	462	6.1	2201	129	5.9	3446	257	7.5	1878	76	4.0
Pocahontas	3860	305	7.9	1387	102	7.4	1302	142	10.9	1171	61	5.2
Polk	120920	14861	12.3	63057	8557	13.6	38614	5149	13.3	19249	1155	6.0
Pottawattamie	23988	2379	9.9	8742	1085	12.4	10238	1036	10.1	5008	258	5.2
Poweshiek	7133	684	9.6	2908	250	8.6	2640	312	11.8	1585	122	7.7
Ringgold	2547	270	10.6	968	97	10.0	1247	135	10.8	332	38	11.4
Sac	3994	296	7.4	1024	66	6.4	1919	179	9.3	1051	51	4.9
Scott	47482	541	1.1	16397	228	1.4	16351	242	1.5	14734	71	.5
Shelby	4982	277	5.6	1923	101	5.3	1913	132	6.9	1146	44	3.8
Sioux	10988	631	5.7	1334	51	3.8	8065	541	6.7	1589	39	2.5
Story	25748	1880	7.3	10187	798	7.8	8043	831	10.3	7518	251	3.3
Tama	6841	502	7.3	2883	196	6.8	2376	231	9.7	1582	75	4.7
Taylor	3203	369	11.5	1077	134	12.4	1474	182	12.3	652	53	8.1
Union	4933	739	15.0	1922	347	18.1	1965	302	15.4	1046	90	8.6
Van Buren	3054	292	9.6	918	83	9.0	1706	158	9.3	430	51	11.9
Wapello	12330	1248	10.1	7336	771	10.5	2639	333	12.6	2355	144	6.1
Warren	13992	1170	8.4	6775	529	7.8	4208	483	11.5	3009	158	5.3
Washington	6413	547	8.5	1952	128	6.6	2852	321	11.3	1609	98	6.1
Wayne	3034	248	8.2	1265	101	8.0	1306	124	9.5	463	23	5.0
Webster	14042	1283	9.1	6569	550	8.4	3738	509	13.6	3735	224	6.0
Winnebago	5159	366	7.1	1348	74	5.5	2047	228	11.1	1764	64	3.6
Winneshiek	7419	481	6.5	2394	157	6.6	3187	234	7.3	1838	90	4.9
Woodbury	29815	2467	8.3	11196	956	8.5	10041	1134	11.3	8578	377	4.4
Worth	3550	235	6.6	1430	72	5.0	1301	129	9.9	819	34	4.2
Wright	5162	398	7.7	1598	103	6.4	2222	250	11.3	1342	45	3.4
State of Iowa	1004908	87983	8.8	408264	37631	9.2	356810	38851	10.9	239834	11501	4.8

Table 5. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1988 November Election by Total and Party Affiliation.

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Adair	3910	232	5.9	1286	71	5.5	1807	122	6.8	817	39	4.8
Adams	2205	113	5.1	804	42	5.2	973	50	5.1	428	21	4.9
Allamakee	5737	383	6.7	1590	120	7.5	3056	172	5.6	1091	91	8.3
Appanoose	5719	570	10.0	2674	240	9.0	2051	232	11.3	994	98	9.9
Audubon	3145	216	6.9	1566	89	5.7	1017	78	7.7	562	49	8.7
Benton	9410	467	5.0	3386	149	4.4	2508	146	5.8	3516	172	4.9
Black Hawk	51923	3644	7.0	21103	1339	6.3	16359	1510	9.2	14461	795	5.5
Boone	10776	827	7.7	4711	331	7.0	2917	268	9.2	3148	228	7.2
Bremer	9386	464	4.9	2507	131	5.2	3338	197	5.9	3541	136	3.8
Buchanan	8186	455	5.6	3569	173	4.8	2475	187	7.6	2142	95	4.4
Buena Vista	8139	630	7.7	2463	187	7.6	3355	275	8.2	2321	168	7.2
Butler	5630	283	5.0	1320	60	4.5	3328	172	5.2	982	51	5.2
Calhoun	5126	446	8.7	1631	121	7.4	1679	181	10.8	1816	144	7.9
Carroll	8769	546	6.2	5080	269	5.3	1697	140	8.2	1992	137	6.9
Cass	6538	446	6.8	1586	104	6.6	3776	237	6.3	1176	105	8.9
Cedar	7071	451	6.4	2250	158	7.0	2522	168	6.7	2299	125	5.4
Cerro Gordo	20989	1489	7.1	8210	585	7.1	6683	595	8.9	6096	309	5.1
Cherokee	6546	499	7.6	2332	151	6.5	2467	202	8.2	1747	146	8.4
Chickasaw	5790	516	8.9	2771	257	9.3	1647	152	9.2	1372	107	7.8
Clarke	3707	396	10.7	1536	142	9.2	1374	177	12.9	797	77	9.7
Clay	7302	504	6.9	2108	137	6.5	3169	243	7.7	2025	124	6.1
Clayton	7864	518	6.6	3041	162	5.3	2607	188	7.2	2216	168	7.6
Clinton	21401	1570	7.3	7123	518	7.3	7201	596	8.3	7077	455	6.4
Crawford	6963	318	4.6	2961	97	3.3	2113	119	5.6	1889	102	5.4
Dallas	11732	814	6.9	5665	370	6.5	3130	263	8.4	2937	181	6.2
Davis	3625	312	8.6	2035	184	9.0	1023	89	8.7	567	39	6.9
Decatur	3440	206	6.0	1618	80	4.9	1231	84	6.8	591	42	7.1
Delaware	6950	490	7.1	2162	155	7.2	2712	209	7.7	2076	126	6.1
Des Moines	18297	1129	6.2	8954	464	5.2	4346	340	7.8	4997	325	6.5
Dickinson	6720	739	11.0	1891	176	9.3	2514	344	13.7	2315	219	9.5
Dubuque	36205	1804	5.0	20242	895	4.4	6870	490	7.1	9093	419	4.6
Emmet	4696	400	8.5	1920	139	7.2	1671	172	10.3	1105	89	8.1
Fayette	9458	757	8.0	3367	302	9.0	3636	279	7.7	2455	176	7.2
Floyd	7081	468	6.6	2579	147	5.7	2639	233	8.8	1863	88	4.7
Franklin	4605	243	5.3	1338	74	5.5	2409	142	5.9	858	27	3.1
Fremont	3353	230	6.9	1198	65	5.4	1603	117	7.3	552	48	8.7
Greene	4559	270	5.9	1846	86	4.7	1543	103	6.7	1170	81	6.9
Grundy	5372	352	6.6	1099	73	6.6	3178	208	6.5	1095	71	6.5
Guthrie	4616	324	7.0	1808	109	6.0	1855	154	8.3	953	61	6.4
Hamilton	7010	463	6.6	2486	153	6.2	2593	206	7.9	1931	104	5.4
Hancock	5211	319	6.1	1459	87	6.0	2495	163	6.5	1257	69	5.5
Hardin	8565	730	8.5	2996	258	8.6	3348	279	8.3	2221	193	8.7
Harrison	5745	326	5.7	2477	128	5.2	2131	110	5.2	1137	88	7.7
Henry	7349	430	5.9	2063	121	5.9	3265	192	5.9	2021	117	5.8
Howard	4401	246	5.6	1901	81	4.3	1386	99	7.1	1114	66	5.9
Humboldt	5151	338	6.6	1707	98	5.7	2028	154	7.6	1416	86	6.1
Ida	3597	212	5.9	1145	50	4.4	1628	105	6.4	824	57	6.9
Iowa	6342	357	5.6	1888	87	4.6	2566	156	6.1	1888	114	6.0
Jackson	7729	408	5.3	3938	166	4.2	1918	141	7.4	1873	101	5.4
Jasper	15154	827	5.5	7131	371	5.2	4459	301	6.8	3564	155	4.3

Table 5. Number of Votes Cast, Number Cast by Absentee Ballot, and Percent Cast by Absentee Ballot in Iowa's Counties in the 1988 November Election by Total and Party Affiliation (continued).

County	Total			Democratic Party			Republican Party			Other/No Party		
	Total Votes Cast	Absentee Votes	Percent Absentee Votes									
Jefferson	6935	413	6.0	2035	101	5.0	2760	194	7.0	2140	118	5.5
Johnson	40157	2260	5.6	19806	1079	5.4	8280	619	7.5	12071	562	4.7
Jones	7731	393	5.1	3248	137	4.2	2630	162	6.2	1853	94	5.1
Keokuk	4991	394	7.9	1931	122	6.3	1838	173	9.4	1222	99	8.1
Kossuth	8692	584	6.7	3899	235	6.0	2611	220	8.4	2182	129	5.9
Lee	16546	1531	9.3	7799	782	10.0	3609	343	9.5	5138	406	7.9
Linn	73509	4882	6.6	28345	1844	6.5	18602	1720	9.2	26562	1318	5.0
Louisa	4244	244	5.7	1164	46	4.0	2240	143	6.4	840	55	6.5
Lucas	3917	359	9.2	1615	139	8.6	1645	155	9.4	657	65	9.9
Lyon	5081	259	5.1	974	39	4.0	3477	181	5.2	630	39	6.2
Madison	5459	393	7.2	2508	148	5.9	1933	179	9.3	1018	66	6.5
Mahaska	8744	456	5.2	2972	149	5.0	3758	214	5.7	2014	93	4.6
Marion	12395	670	5.4	5702	272	4.8	3808	247	6.5	2885	151	5.2
Marshall	16764	1272	7.6	6313	463	7.3	6230	531	8.5	4221	278	6.6
Mills	5085	358	7.0	1170	83	7.1	2920	182	6.2	995	93	9.3
Mitchell	4982	346	6.9	1580	85	5.4	2152	176	8.2	1250	85	6.8
Monona	4292	280	6.5	1804	113	6.3	1197	108	9.0	1291	59	4.6
Monroe	3469	298	8.6	1874	136	7.3	1011	103	10.2	584	59	10.1
Montgomery	4706	323	6.9	1048	82	7.8	2653	185	7.0	1005	56	5.6
Muscatine	13344	679	5.1	3438	146	4.2	5310	343	6.5	4596	190	4.1
O'Brien	6481	349	5.4	1412	72	5.1	3446	187	5.4	1623	90	5.5
Osceola	3120	183	5.9	767	34	4.4	2036	125	6.1	317	24	7.6
Page	6512	389	6.0	1196	62	5.2	3863	233	6.0	1453	94	6.5
Palo Alto	5177	535	10.3	3052	308	10.1	1048	110	10.5	1077	117	10.9
Plymouth	9092	457	5.0	2588	112	4.3	3946	218	5.5	2558	127	5.0
Pocahontas	4377	320	7.3	1568	100	6.4	1415	135	9.5	1394	85	6.1
Polk	137353	8706	6.3	70757	4177	5.9	42297	3392	8.0	24299	1137	4.7
Pottawattamie	30585	1937	6.3	10742	649	6.0	11980	813	6.8	7863	475	6.0
Poweshiek	7974	540	6.8	3260	226	6.9	2779	192	6.9	1935	122	6.3
Ringgold	2580	196	7.6	1026	69	6.7	1266	102	8.1	288	25	8.7
Sac	4763	267	5.6	1245	39	3.1	2171	136	6.3	1347	92	6.8
Scott	63666	4222	6.6	21763	1431	6.6	20292	1680	8.3	21611	1111	5.1
Shelby	5602	315	5.6	2180	93	4.3	2050	129	6.3	1372	93	6.8
Sioux	12550	542	4.3	1592	77	4.8	8777	366	4.2	2181	99	4.5
Story	29765	1472	4.9	11283	570	5.1	9006	558	6.2	9476	344	3.6
Tama	7628	485	6.4	3075	178	5.8	2594	198	7.6	1959	109	5.6
Taylor	3105	191	6.2	1004	47	4.7	1525	116	7.6	576	28	4.9
Union	5710	676	11.8	2154	318	14.8	2105	221	10.5	1451	137	9.4
Van Buren	3117	180	5.8	900	47	5.2	1769	110	6.2	448	23	5.1
Wapello	14630	955	6.5	8448	531	6.3	2958	213	7.2	3224	211	6.5
Warren	14933	848	5.7	7189	371	5.2	4261	300	7.0	3483	177	5.1
Washington	7127	459	6.4	2137	99	4.6	2939	239	8.1	2051	121	5.9
Wayne	3252	259	8.0	1373	99	7.2	1370	107	7.8	509	53	10.4
Webster	16366	1192	7.3	7605	533	7.0	4000	331	8.3	4761	328	6.9
Winnebago	5367	349	6.5	1394	71	5.1	2036	180	8.8	1937	98	5.1
Winneshiek	8227	430	5.2	2585	136	5.3	3449	185	5.4	2193	109	5.0
Woodbury	37183	2603	7.0	13892	1040	7.5	11511	951	8.3	11780	612	5.2
Worth	3691	201	5.4	1503	54	3.6	1302	92	7.1	886	55	6.2
Wright	5746	339	5.9	1780	92	5.2	2335	156	6.7	1631	91	5.6
State of Iowa	1155917	75168	6.5	463216	28388	6.1	387486	29493	7.6	305215	17286	5.7

Table 6. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1996 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	187	69	36.9	377	24	6.4	1204	66	5.5	872	55	6.3	1342	234	17.4
Adams	106	48	45.3	218	30	13.8	647	43	6.6	613	45	7.3	736	121	16.4
Allamakee	252	92	36.5	560	67	12.0	1674	113	6.8	1472	131	8.9	1874	372	19.9
Appanoose	299	74	24.7	574	68	11.8	1571	154	9.8	1371	186	13.6	1831	488	26.7
Audubon	141	56	39.7	347	30	8.6	953	82	8.6	831	79	9.5	1192	250	21.0
Benton	534	136	25.5	1415	148	10.5	3400	238	7.0	2447	232	9.5	2570	476	18.5
Black Hawk	4234	567	13.4	6362	527	8.3	16752	1265	7.6	12602	1558	12.4	13001	3509	27.0
Boone	662	113	17.1	1460	179	12.3	3819	396	10.4	2686	375	14.0	3027	871	28.8
Bremer	690	117	17.0	1042	114	10.9	3218	215	6.7	2687	205	7.6	2521	485	19.2
Buchanan	539	121	22.4	1076	104	9.7	2958	206	7.0	2163	234	10.8	2348	513	21.8
Buena Vista	537	214	39.9	712	65	9.1	2467	139	5.6	1691	125	7.4	2559	551	21.5
Butler	373	111	29.8	732	61	8.3	2070	131	6.3	1624	133	8.2	1914	412	21.5
Calhoun	214	73	34.1	382	24	6.3	1359	66	4.9	1168	101	8.6	1695	386	22.8
Carroll	379	142	37.5	864	50	5.8	2819	177	6.3	1975	154	7.8	2735	571	20.9
Cass	346	109	31.5	725	74	10.2	2087	149	7.1	1676	172	10.3	2113	366	17.3
Cedar	383	107	27.9	937	84	9.0	2490	186	7.5	1866	162	8.7	1998	379	19.0
Cerro Gordo	1120	251	22.4	2661	293	11.0	6711	738	11.0	4787	768	16.0	6048	1982	32.8
Cherokee	325	97	29.8	561	52	9.3	2032	91	4.5	1564	96	6.1	1909	322	16.9
Chickasaw	354	148	41.8	712	75	10.5	1953	169	8.7	1498	175	11.7	1815	458	25.2
Clarke	216	76	35.2	439	71	16.2	1199	199	16.6	919	183	19.9	1152	378	32.8
Clay	433	168	38.8	831	46	5.5	2533	134	5.3	1704	123	7.2	2156	395	18.3
Clayton	424	144	34.0	845	63	7.5	2562	112	4.4	1976	164	8.3	2416	430	17.8
Clinton	1066	218	20.5	2363	200	8.5	6691	434	6.5	5277	523	9.9	5830	1271	21.8
Crawford	307	94	30.6	692	49	7.1	2037	112	5.5	1720	127	7.4	2005	316	15.8
Dallas	868	248	28.6	2368	293	12.4	5849	741	12.7	3614	559	15.5	3247	909	28.0
Davis	261	84	32.2	429	51	11.9	1090	114	10.5	934	122	13.1	1095	250	22.8
Decatur	279	52	18.6	351	34	9.7	988	82	8.3	887	89	10.0	1115	221	19.8
Delaware	407	129	31.7	952	91	9.6	2474	137	5.5	1745	177	10.1	1949	423	21.7
Des Moines	960	226	23.5	2015	180	8.9	5707	570	10.0	4530	648	14.3	4893	1272	26.0
Dickinson	335	110	32.8	712	89	12.5	2300	160	7.0	1859	251	13.5	2511	703	28.0
Dubuque	2289	586	25.6	4846	490	10.1	12259	1093	8.9	9130	1106	12.1	9338	2659	28.5
Emmet	264	51	19.3	392	28	7.1	1322	64	4.8	1022	79	7.7	1447	253	17.5
Fayette	495	146	29.5	993	84	8.5	2899	196	6.8	2344	272	11.6	3012	798	26.5
Floyd	299	72	24.1	631	42	6.7	1928	139	7.2	1718	186	10.8	2137	558	26.1
Franklin	228	96	42.1	441	45	10.2	1433	83	5.8	1172	126	10.8	1517	270	17.8
Fremont	220	67	30.5	346	25	7.2	1076	53	4.9	864	53	6.1	1125	161	14.3
Greene	158	44	27.8	428	29	6.8	1293	82	6.3	1000	71	7.1	1543	307	19.9
Grundy	262	68	26.0	625	52	8.3	1741	115	6.6	1454	99	6.8	1611	295	18.3
Guthrie	225	75	33.3	497	40	8.0	1456	98	6.7	1289	134	10.4	1609	324	20.1
Hamilton	348	98	28.2	739	74	10.0	2202	191	8.7	1722	218	12.7	2079	541	26.0
Hancock	280	89	31.8	490	60	12.2	1651	62	3.8	1239	85	6.9	1623	289	17.8
Hardin	385	99	25.7	792	80	10.1	2473	191	7.7	1933	217	11.2	2831	783	27.7
Harrison	345	82	23.8	790	44	5.6	1973	92	4.7	1508	124	8.2	1774	249	14.0
Henry	542	179	33.0	1001	115	11.5	2645	323	12.2	1900	285	15.0	2187	597	27.3
Howard	180	59	32.8	423	43	10.2	1314	63	4.8	1041	56	5.4	1499	229	15.3
Humboldt	215	76	35.3	503	47	9.3	1471	114	7.7	1179	111	9.4	1584	296	18.7
Ida	177	70	39.5	411	34	8.3	1158	60	5.2	826	61	7.4	1200	181	15.1
Iowa	340	104	30.6	925	93	10.1	2340	155	6.6	1613	177	11.0	1856	379	20.4
Jackson	501	189	37.7	1018	168	16.5	2713	243	9.0	2125	234	11.0	2407	564	23.4
Jasper	898	213	23.7	2131	161	7.6	5315	453	8.5	4061	484	11.9	4370	1182	27.0

Table 6. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1996 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	349	91	26.1	656	49	7.5	3013	380	12.6	1659	238	14.3	1626	398	24.5
Johnson	6784	1884	27.8	9314	2515	27.0	15400	4066	26.4	8126	2794	34.4	5703	2499	43.8
Jones	481	125	26.0	1066	93	8.7	2728	160	5.9	2064	196	9.5	2306	429	18.6
Keokuk	310	110	35.5	576	91	15.8	1466	107	7.3	1187	132	11.1	1649	358	21.7
Kossuth	395	181	45.8	856	109	12.7	2739	163	6.0	2112	210	9.9	2520	516	20.5
Lee	852	267	31.3	1650	267	16.2	4858	719	14.8	3918	630	16.1	4448	1286	28.9
Linn	5151	1311	25.5	12669	1558	12.3	28495	3200	11.2	19214	3300	17.2	16719	5271	31.5
Louisa	241	49	20.3	528	27	5.1	1378	59	4.3	1046	69	6.6	1040	144	13.8
Lucas	194	67	34.5	451	51	11.3	1191	125	10.5	1045	154	14.7	1324	333	25.2
Lyon	370	80	21.6	682	51	7.5	1667	90	5.4	1214	71	5.8	1420	167	11.8
Madison	375	104	27.7	790	87	11.0	2129	203	9.5	1424	153	10.7	1602	442	27.6
Mahaska	501	167	33.3	1114	183	16.4	2806	486	17.3	2026	448	22.1	2582	978	37.9
Marion	949	340	35.8	1646	249	15.1	4176	726	17.4	3066	619	20.2	3380	1174	34.7
Marshall	867	289	33.3	1883	338	18.0	5461	1149	21.0	4359	1197	27.5	4687	1991	42.5
Mills	367	97	26.4	762	75	9.8	2019	172	8.5	1424	148	10.4	1268	238	18.8
Mitchell	256	100	39.1	526	40	7.6	1435	67	4.7	1194	92	7.7	1703	303	17.8
Monona	179	57	31.8	390	30	7.7	1164	48	4.1	1013	89	8.8	1532	238	15.5
Monroe	199	67	33.7	416	41	9.9	1007	120	11.9	862	97	11.3	1079	283	26.2
Montgomery	275	74	26.9	576	37	6.4	1543	68	4.4	1112	100	9.0	1721	397	23.1
Muscatine	938	234	24.9	1956	175	8.9	5069	479	9.4	3737	520	13.9	3387	950	28.0
O'Brien	346	81	23.4	685	36	5.3	2064	108	5.2	1462	104	7.1	2113	312	14.8
Osceola	161	53	32.9	351	23	6.6	953	42	4.4	725	41	5.7	900	127	14.1
Page	388	120	30.9	684	59	8.6	2072	113	5.5	1628	141	8.7	2314	429	18.5
Palo Alto	259	94	36.3	449	29	6.5	1343	78	5.8	1095	89	8.1	1573	316	20.1
Plymouth	492	130	26.4	1165	85	7.3	3334	166	5.0	2232	150	6.7	2647	379	14.3
Pocahontas	173	65	37.6	389	22	5.7	1254	61	4.9	1010	70	6.9	1419	306	21.6
Polk	9673	1993	20.6	27739	3134	11.3	54044	6907	12.8	34310	6593	19.2	29874	10170	34.0
Pottawattamie	1954	345	17.7	4357	370	8.5	10628	822	7.7	7884	842	10.7	7953	1676	21.1
Poweshiek	722	273	37.8	866	65	7.5	2397	157	6.5	1903	174	9.1	2301	480	20.9
Ringgold	144	49	34.0	291	35	12.0	720	69	9.6	662	94	14.2	1012	228	22.5
Sac	204	66	32.4	453	29	6.4	1414	63	4.5	1159	76	6.6	1756	247	14.1
Scott	4065	859	21.1	9575	1000	10.4	23221	2143	9.2	15912	2167	13.6	13626	3595	26.4
Shelby	260	90	34.6	645	49	7.6	1805	108	6.0	1331	94	7.1	1925	276	14.3
Sioux	1449	226	15.6	1776	140	7.9	4381	199	4.5	2912	155	5.3	3514	467	13.3
Story	5247	478	9.1	5323	663	12.5	9878	1601	16.2	6242	1394	22.3	5771	2190	37.9
Tama	332	88	26.5	799	69	8.6	2248	130	5.8	1894	167	8.8	2414	427	17.7
Taylor	162	59	36.4	333	38	11.4	917	73	8.0	736	78	10.6	1188	238	20.0
Union	332	119	35.8	591	86	14.6	1691	225	13.3	1327	227	17.1	1737	630	36.3
Van Buren	183	53	29.0	364	33	9.1	979	56	5.7	838	81	9.7	1056	146	13.8
Wapello	822	198	24.1	1590	165	10.4	4411	515	11.7	3448	478	13.9	4522	1313	29.0
Warren	1164	304	26.1	2508	296	11.8	6366	728	11.4	4324	566	13.1	3240	1029	31.8
Washington	417	111	26.6	1071	88	8.2	2683	230	8.6	1851	197	10.6	2199	532	24.2
Wayne	152	43	28.3	301	21	7.0	856	57	6.7	778	64	8.2	1235	225	18.2
Webster	754	175	23.2	1724	145	8.4	4964	376	7.6	3768	436	11.6	5111	1499	29.3
Winnebago	315	74	23.5	512	34	6.6	1745	78	4.5	1208	64	5.3	1696	293	17.3
Winneshiek	694	285	41.1	956	99	10.4	2815	147	5.2	2024	160	7.9	2368	369	15.6
Woodbury	2032	343	16.9	4694	403	8.6	12222	855	7.0	8424	921	10.9	9813	2379	24.2
Worth	189	44	23.3	479	30	6.3	1247	65	5.2	928	59	6.4	1169	166	14.2
Wright	262	81	30.9	532	45	8.5	1779	141	7.9	1380	139	10.1	2112	437	20.7
State of Iowa	79262	19250	24.3	161845	18347	11.3	398451	40189	10.1	285095	39208	13.8	308600	79505	25.8

Table 7. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1994 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	154	50	32.5	437	23	5.3	1088	53	4.9	869	70	8.1	1267	208	16.4
Adams	103	34	33.0	209	17	8.1	631	31	4.9	558	32	5.7	719	100	13.9
Allamakee	171	70	40.9	532	55	10.3	1482	100	6.7	1285	99	7.7	1729	296	17.1
Appanoose	174	44	25.3	410	41	10.0	1243	105	8.4	1150	106	9.2	1667	363	21.8
Audubon	99	38	38.4	314	22	7.0	824	51	6.2	714	52	7.3	1084	153	14.1
Benton	324	73	22.5	1143	84	7.3	2763	126	4.6	2080	123	5.9	2226	247	11.1
Black Hawk	2452	242	9.9	4901	296	6.0	14618	738	5.0	10976	1065	9.7	11659	2361	20.3
Boone	385	67	17.4	1067	93	8.7	3234	247	7.6	2306	241	10.5	2753	643	23.4
Bremer	387	73	18.9	873	60	6.9	2723	124	4.6	2241	130	5.8	2186	330	15.1
Buchanan	248	60	24.2	856	47	5.5	2374	109	4.6	1732	122	7.0	2027	301	14.8
Buena Vista	238	68	28.6	616	33	5.4	2178	101	4.6	1511	117	7.7	2246	401	17.9
Butler	170	58	34.1	517	27	5.2	1597	65	4.1	1292	104	8.0	1653	244	14.8
Calhoun	145	46	31.7	357	19	5.3	1304	55	4.2	1085	76	7.0	1514	247	16.3
Carroll	254	71	28.0	845	54	6.4	2544	110	4.3	1930	120	6.2	2483	359	14.5
Cass	168	50	29.8	606	42	6.9	1705	91	5.3	1497	152	10.2	1873	285	15.2
Cedar	179	20	11.2	740	54	7.3	2083	164	7.9	1625	110	6.8	1853	266	14.4
Cerro Gordo	640	176	27.5	1899	177	9.3	5383	442	8.2	3983	471	11.8	5175	1274	24.6
Cherokee	163	46	28.2	466	25	5.4	1638	63	3.8	1369	82	6.0	1635	271	16.6
Chickasaw	311	186	59.8	676	101	14.9	1766	177	10.0	1390	162	11.7	1707	388	22.7
Clarke	119	39	32.8	396	39	9.8	1027	113	11.0	806	123	15.3	1093	291	26.6
Clay	177	81	45.8	631	37	5.9	2105	77	3.7	1462	103	7.0	1872	278	14.9
Clayton	308	100	32.5	739	45	6.1	2244	63	2.8	1843	105	5.7	2258	334	14.8
Clinton	622	171	27.5	1732	139	8.0	5361	281	5.2	4467	332	7.4	5214	1016	19.5
Crawford	175	55	31.4	586	31	5.3	1788	54	3.0	1534	77	5.0	1868	244	13.1
Dallas	522	142	27.2	1808	170	9.4	4912	446	9.1	2899	351	12.1	2914	592	20.3
Davis	168	61	36.3	320	36	11.3	956	70	7.3	815	74	9.1	1030	183	17.8
Decatur	151	34	22.5	289	14	4.8	830	56	6.7	778	53	6.8	1034	150	14.5
Delaware	279	94	33.7	870	75	8.6	2171	125	5.8	1551	145	9.3	1739	343	19.7
Des Moines	427	85	19.9	1377	98	7.1	4479	321	7.2	3680	416	11.3	4255	754	17.7
Dickinson	174	62	35.6	496	52	10.5	1791	121	6.8	1448	175	12.1	2136	505	23.6
Dubuque	1171	285	24.3	3298	229	6.9	9593	535	5.6	7618	601	7.9	7837	1541	19.7
Emmet	160	30	18.8	327	16	4.9	1177	43	3.7	913	67	7.3	1333	214	16.1
Fayette	308	107	34.7	943	58	6.2	2513	148	5.9	2091	162	7.7	2739	510	18.6
Floyd	189	55	29.1	478	54	11.3	1659	126	7.6	1544	162	10.5	2018	472	23.4
Franklin	133	49	36.8	389	33	8.5	1301	37	2.8	1083	64	5.9	1382	184	13.3
Fremont	105	27	25.7	230	13	5.7	833	38	4.6	680	29	4.3	995	148	14.9
Greene	103	26	25.2	426	28	6.6	1221	44	3.6	1005	60	6.0	1498	263	17.6
Grundy	159	39	24.5	471	41	8.7	1482	94	6.3	1227	86	7.0	1432	226	15.8
Guthrie	123	34	27.6	452	29	6.4	1252	56	4.5	1214	94	7.7	1480	278	18.8
Hamilton	259	83	32.0	702	93	13.2	2051	180	8.8	1535	172	11.2	1929	477	24.7
Hancock	194	82	42.3	493	26	5.3	1454	48	3.3	1159	72	6.2	1471	253	17.2
Hardin	260	71	27.3	712	57	8.0	2269	133	5.9	1757	148	8.4	2611	545	20.9
Harrison	195	49	25.1	604	31	5.1	1603	64	4.0	1375	77	5.6	1709	192	11.2
Henry	329	155	47.1	773	119	15.4	2128	251	11.8	1564	202	12.9	1916	460	24.0
Howard	98	40	40.8	373	30	8.0	1086	28	2.6	938	37	3.9	1429	204	14.3
Humboldt	118	39	33.1	411	24	5.8	1251	60	4.8	1077	78	7.2	1450	224	15.4
Ida	99	30	30.3	307	20	6.5	878	36	4.1	718	46	6.4	981	121	12.3
Iowa	190	47	24.7	737	38	5.2	1844	79	4.3	1357	96	7.1	1620	254	15.7
Jackson	228	78	34.2	709	51	7.2	2056	83	4.0	1844	127	6.9	2048	348	17.0
Jasper	661	195	29.5	1883	163	8.7	4651	326	7.0	3613	350	9.7	3918	902	23.0

Table 7. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1994 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	170	56	32.9	425	18	4.2	2386	161	6.7	1235	107	8.7	1463	233	15.9
Johnson	3227	648	20.1	6854	1401	20.4	12756	2833	22.2	6517	1686	25.9	4950	1670	33.7
Jones	276	79	28.6	826	62	7.5	2221	109	4.9	1825	119	6.5	2054	292	14.2
Keokuk	216	78	36.1	533	63	11.8	1312	98	7.5	1131	107	9.5	1557	314	20.2
Kossuth	213	101	47.4	779	48	6.2	2349	100	4.3	1943	138	7.1	2261	370	16.4
Lee	386	116	30.1	1093	134	12.3	3724	414	11.1	3061	392	12.8	3774	844	22.4
Linn	2362	435	18.4	8533	654	7.7	22073	1655	7.5	15416	1741	11.3	13854	3016	21.8
Louisa	113	36	31.9	321	21	6.5	1056	71	6.7	836	54	6.5	924	167	18.1
Lucas	139	44	31.7	365	37	10.1	985	76	7.7	947	116	12.2	1197	225	18.8
Lyon	164	25	15.2	442	30	6.8	1210	48	4.0	983	54	5.5	1124	134	11.9
Madison	214	61	28.5	635	48	7.6	1810	100	5.5	1267	112	8.8	1464	335	22.9
Mahaska	286	94	32.9	773	64	8.3	2095	163	7.8	1621	148	9.1	2345	539	23.0
Marion	446	114	25.6	1233	124	10.1	3324	247	7.4	2537	291	11.5	2891	639	22.1
Marshall	618	215	34.8	1656	221	13.3	5024	824	16.4	3925	818	20.8	4174	1474	35.3
Mills	161	52	32.3	453	46	10.2	1535	117	7.6	1058	104	9.8	1028	173	16.8
Mitchell	151	41	27.2	436	17	3.9	1175	55	4.7	1088	88	8.1	1561	275	17.6
Monona	127	46	36.2	319	20	6.3	946	27	2.9	941	60	6.4	1408	201	14.3
Monroe	100	32	32.0	282	35	12.4	737	86	11.7	697	80	11.5	910	230	25.3
Montgomery	142	52	36.6	358	19	5.3	1229	62	5.0	908	72	7.9	1430	290	20.3
Muscatine	422	109	25.8	1249	108	8.6	3658	291	8.0	2771	308	11.1	2739	544	19.9
O'Brien	181	45	24.9	550	25	4.5	1598	59	3.7	1274	49	3.8	1753	226	12.9
Osceola	69	18	26.1	267	15	5.6	736	31	4.2	596	26	4.4	786	96	12.2
Page	134	49	36.6	427	28	6.6	1569	55	3.5	1313	96	7.3	1947	276	14.2
Palo Alto	138	42	30.4	381	18	4.7	1093	40	3.7	1032	59	5.7	1449	216	14.9
Plymouth	202	53	26.2	753	47	6.2	2474	89	3.6	1856	113	6.1	2196	258	11.7
Pocahontas	84	26	31.0	315	23	7.3	996	30	3.0	860	45	5.2	1260	217	17.2
Polk	6297	1235	19.6	24005	2865	11.9	48657	6138	12.6	30352	5549	18.3	27828	8543	30.7
Pottawattamie	750	0	.0	2568	0	.0	7565	0	.0	6079	0	.0	6436	2	.0
Poweshiek	463	172	37.1	785	53	6.8	2128	134	6.3	1631	103	6.3	2070	358	17.3
Ringgold	94	28	29.8	254	18	7.1	625	45	7.2	609	64	10.5	908	153	16.9
Sac	107	38	35.5	339	27	8.0	1183	29	2.5	991	64	6.5	1532	181	11.8
Scott	1719	370	21.5	5803	468	8.1	17427	1073	6.2	12389	1246	10.1	11338	2401	21.2
Shelby	147	53	36.1	561	32	5.7	1532	93	6.1	1236	78	6.3	1726	201	11.6
Sioux	736	119	16.2	1386	89	6.4	3520	121	3.4	2461	145	5.9	2987	326	10.9
Story	2957	296	10.0	4106	367	8.9	8713	857	9.8	5466	835	15.3	5096	1400	27.5
Tama	215	62	28.8	715	49	6.9	1939	100	5.2	1784	121	6.8	2238	356	15.9
Taylor	57	19	33.3	221	12	5.4	609	29	4.8	580	40	6.9	1019	130	12.8
Union	332	157	47.3	615	136	22.1	1615	233	14.4	1261	262	20.8	1722	675	39.2
Van Buren	126	38	30.2	281	18	6.4	792	39	4.9	728	56	7.7	972	125	12.9
Wapello	402	111	27.6	1061	108	10.2	3484	309	8.9	2867	296	10.3	3876	877	22.6
Warren	774	181	23.4	2058	191	9.3	5416	437	8.1	3694	373	10.1	2784	735	26.4
Washington	322	140	43.5	878	112	12.8	2172	196	9.0	1560	174	11.2	1930	412	21.3
Wayne	96	29	30.2	255	11	4.3	747	46	6.2	686	57	8.3	1151	179	15.6
Webster	489	111	22.7	1501	90	6.0	4457	264	5.9	3400	256	7.5	4717	1014	21.5
Winnebago	134	32	23.9	457	20	4.4	1482	44	3.0	1112	49	4.4	1601	257	16.1
Winneshek	324	81	25.0	834	40	4.8	2412	94	3.9	1755	107	6.1	2098	255	12.2
Woodbury	1065	228	21.4	3549	267	7.5	9883	655	6.6	7172	625	8.7	8707	1724	19.8
Worth	91	22	24.2	353	14	4.0	963	40	4.2	800	43	5.4	1095	136	12.4
Wright	184	60	32.6	503	58	11.5	1597	87	5.4	1246	113	9.1	1924	358	18.6
State of Iowa	43591	10166	23.3	124772	11530	9.2	330133	25992	7.9	242685	25757	10.6	272919	55295	20.3

Table 8. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1992 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	240	78	32.5	583	30	5.1	1141	53	4.6	978	44	4.5	1419	192	13.5
Adams	186	65	34.9	334	18	5.4	674	32	4.7	638	41	6.4	786	112	14.2
Allamakee	406	148	36.5	953	76	8.0	1885	95	5.0	1529	97	6.3	1958	326	16.6
Appanoose	423	102	24.1	842	72	8.6	1750	102	5.8	1378	130	9.4	2018	462	22.9
Audubon	213	93	43.7	537	35	6.5	1030	57	5.5	890	54	6.1	1216	186	15.3
Benton	722	160	22.2	1914	108	5.6	3374	114	3.4	2379	128	5.4	2665	330	12.4
Black Hawk	7506	612	8.2	9232	532	5.8	19044	873	4.6	12731	1067	8.4	13051	2508	19.2
Boone	871	137	15.7	1896	115	6.1	3905	207	5.3	2675	188	7.0	3092	659	21.3
Bremer	1264	150	11.9	1642	112	6.8	3573	151	4.2	2585	129	5.0	2555	348	13.6
Buchanan	667	156	23.4	1554	108	6.9	3013	110	3.7	2084	146	7.0	2462	386	15.7
Buena Vista	651	186	28.6	1292	73	5.7	2770	81	2.9	1880	111	5.9	2619	461	17.6
Butler	459	142	30.9	1017	41	4.0	2170	60	2.8	1570	84	5.4	1943	242	12.5
Calhoun	281	80	28.5	636	50	7.9	1579	75	4.7	1302	95	7.3	1776	321	18.1
Carroll	536	177	33.0	1499	104	6.9	3016	146	4.8	2171	141	6.5	2752	434	15.8
Cass	418	135	32.3	1081	70	6.5	2172	84	3.9	1762	133	7.5	2203	297	13.5
Cedar	457	89	19.5	1253	67	5.3	2671	113	4.2	1826	113	6.2	1995	347	17.4
Cerro Gordo	1782	378	21.2	4013	254	6.3	7212	459	6.4	5083	528	10.4	6119	1378	22.5
Cherokee	446	144	32.3	1010	70	6.9	2232	98	4.4	1719	115	6.7	1932	326	16.9
Chickasaw	431	169	39.2	943	73	7.7	1925	108	5.6	1490	101	6.8	1738	376	21.6
Clarke	307	82	26.7	649	54	8.3	1236	103	8.3	954	107	11.2	1174	315	26.8
Clay	484	128	26.4	1324	77	5.8	2688	86	3.2	1770	95	5.4	2105	328	15.6
Clayton	680	210	30.9	1333	77	5.8	2655	92	3.5	2096	109	5.2	2478	375	15.1
Clinton	1901	425	22.4	3835	240	6.3	7529	348	4.6	5560	383	6.9	6028	1266	21.0
Crawford	509	174	34.2	1103	57	5.2	2275	84	3.7	1760	77	4.4	2073	270	13.0
Dallas	987	200	20.3	2544	162	6.4	5302	304	5.7	3089	278	9.0	3096	626	20.2
Davis	342	99	28.9	539	53	9.8	1141	55	4.8	896	90	10.0	1175	216	18.4
Decatur	405	56	13.8	527	32	6.1	1075	70	6.5	923	60	6.5	1190	204	17.1
Delaware	578	149	25.8	1555	94	6.0	2529	100	4.0	1854	121	6.5	1921	338	17.6
Des Moines	1535	308	20.1	3377	247	7.3	6724	431	6.4	4686	487	10.4	5023	1084	21.6
Dickinson	502	167	33.3	1041	92	8.8	2510	153	6.1	1803	180	10.0	2533	619	24.4
Dubuque	3736	710	19.0	7218	361	5.0	13434	645	4.8	9287	690	7.4	9190	2132	23.2
Emmet	363	87	24.0	686	53	7.7	1511	57	3.8	1159	95	8.2	1537	282	18.3
Fayette	714	187	26.2	1482	102	6.9	3058	141	4.6	2454	148	6.0	3066	614	20.0
Floyd	488	151	30.9	951	59	6.2	2245	92	4.1	1890	138	7.3	2288	414	18.1
Franklin	249	87	34.9	624	24	3.8	1562	54	3.5	1285	65	5.1	1510	195	12.9
Fremont	283	96	33.9	493	24	4.9	1158	46	4.0	860	31	3.6	1238	189	15.3
Greene	291	70	24.1	710	46	6.5	1488	58	3.9	1204	62	5.1	1724	289	16.8
Grundy	373	101	27.1	795	47	5.9	1882	90	4.8	1462	75	5.1	1660	219	13.2
Guthrie	260	83	31.9	708	40	5.6	1532	45	2.9	1381	116	8.4	1626	267	16.4
Hamilton	532	130	24.4	1228	103	8.4	2407	210	8.7	1842	231	12.5	2124	577	27.2
Hancock	405	160	39.5	798	47	5.9	1738	69	4.0	1287	63	4.9	1628	208	12.8
Hardin	565	154	27.3	1222	73	6.0	2679	128	4.8	2069	165	8.0	2974	661	22.2
Harrison	416	103	24.8	1066	60	5.6	1947	44	2.3	1580	78	4.9	1976	213	10.8
Henry	666	184	27.6	1405	96	6.8	2795	177	6.3	1787	99	5.5	2203	369	16.7
Howard	253	73	28.9	659	35	5.3	1331	60	4.5	1114	48	4.3	1638	226	13.8
Humboldt	302	91	30.1	720	48	6.7	1517	63	4.2	1270	77	6.1	1644	266	16.2
Ida	259	80	30.9	642	42	6.5	1242	61	4.9	895	45	5.0	1223	185	15.1
Iowa	434	110	25.3	1203	59	4.9	2172	88	4.1	1596	101	6.3	1895	288	15.2
Jackson	633	168	26.5	1451	84	5.8	2797	112	4.0	2233	127	5.7	2371	369	15.6
Jasper	1258	339	26.9	3030	173	5.7	5580	277	5.0	4065	350	8.6	4172	888	21.3

Table 8. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1992 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	492	113	23.0	997	58	5.8	3756	261	6.9	1523	105	6.9	1742	298	17.1
Johnson	11810	1317	11.2	12401	1766	14.2	15676	2586	16.5	7029	1322	18.8	5371	1855	34.5
Jones	613	163	26.6	1393	65	4.7	2730	104	3.8	2065	103	5.0	2337	343	14.7
Keokuk	361	137	38.0	844	53	6.3	1500	73	4.9	1242	84	6.8	1683	251	14.9
Kossuth	478	202	42.3	1291	76	5.9	2710	94	3.5	2200	134	6.1	2491	441	17.7
Lee	1217	295	24.2	2668	209	7.8	5522	358	6.5	3990	342	8.6	4555	878	19.3
Linn	7849	1171	14.9	17699	956	5.4	29786	1612	5.4	18718	1690	9.0	16166	3579	22.1
Louisa	318	57	17.9	752	25	3.3	1557	61	3.9	1112	69	6.2	1157	190	16.4
Lucas	331	103	31.1	627	54	8.6	1267	100	7.9	1112	126	11.3	1362	283	20.8
Lyon	417	102	24.5	980	35	3.6	1685	39	2.3	1263	44	3.5	1417	140	9.9
Madison	416	79	19.0	1012	50	4.9	2021	105	5.2	1372	98	7.1	1636	349	21.3
Mahaska	672	158	23.5	1654	80	4.8	2991	126	4.2	2170	147	6.8	2731	482	17.6
Marion	1254	258	20.6	2099	125	6.0	4173	214	5.1	2917	244	8.4	3236	643	19.9
Marshall	1292	355	27.5	2730	301	11.0	6095	700	11.5	4262	651	15.3	4585	1368	29.8
Mills	462	112	24.2	930	58	6.2	2191	96	4.4	1315	93	7.1	1258	205	16.3
Mitchell	361	146	40.4	784	47	6.0	1523	48	3.2	1264	80	6.3	1750	304	17.4
Monona	270	68	25.2	574	24	4.2	1268	28	2.2	1122	55	4.9	1617	194	12.0
Monroe	279	66	23.7	577	57	9.9	1115	92	8.3	883	87	9.9	1207	335	27.8
Montgomery	336	95	28.3	754	45	6.0	1616	62	3.8	1193	86	7.2	1773	340	19.2
Muscatine	1311	225	17.2	2951	201	6.8	5500	296	5.4	3551	316	8.9	3375	576	17.1
O'Brien	485	100	20.6	1076	39	3.6	2192	80	3.6	1698	88	5.2	2174	334	15.4
Osceola	253	58	22.9	538	28	5.2	1025	40	3.9	819	41	5.0	978	135	13.8
Page	450	150	33.3	948	48	5.1	2210	84	3.8	1663	84	5.1	2302	316	13.7
Palo Alto	402	135	33.6	724	53	7.3	1407	57	4.1	1237	82	6.6	1648	277	16.8
Plymouth	618	165	26.7	1611	95	5.9	3323	120	3.6	2385	115	4.8	2599	288	11.1
Pocahontas	264	98	37.1	630	47	7.5	1357	43	3.2	1122	74	6.6	1482	274	18.5
Polk	14779	1760	11.9	37336	2023	5.4	56137	3229	5.8	32636	3118	9.6	29520	6753	22.9
Pottawattamie	2850	86	3.0	6492	92	1.4	11483	26	.2	8218	5	.1	7764	1	.0
Poweshiek	1017	215	21.1	1315	84	6.4	2547	127	5.0	1950	111	5.7	2300	417	18.1
Ringgold	182	75	41.2	336	27	8.0	720	31	4.3	695	71	10.2	971	167	17.2
Sac	253	73	28.9	692	34	4.9	1481	43	2.9	1233	67	5.4	1802	170	9.4
Scott	5940	1065	17.9	13797	788	5.7	25517	1189	4.7	15560	1247	8.0	13282	2488	18.7
Shelby	396	148	37.4	917	51	5.6	1786	78	4.4	1492	77	5.2	1927	260	13.5
Sioux	1498	166	11.1	2310	100	4.3	4291	129	3.0	3012	118	3.9	3512	353	10.1
Story	8717	525	6.0	6771	443	6.5	9913	567	5.7	5780	567	9.8	5446	1152	21.2
Tama	525	149	28.4	1195	58	4.9	2434	88	3.6	2043	114	5.6	2467	343	13.9
Taylor	223	67	30.0	450	37	8.2	924	55	6.0	752	51	6.8	1238	176	14.2
Union	442	124	28.1	863	84	9.7	1796	123	6.8	1350	138	10.2	1744	518	29.7
Van Buren	256	71	27.7	497	33	6.6	1011	49	4.8	874	55	6.3	1116	147	13.2
Wapello	1378	454	32.9	2499	344	13.8	5084	487	9.6	3760	429	11.4	4676	1046	22.4
Warren	1853	365	19.7	3471	172	5.0	6799	288	4.2	4083	296	7.2	3090	668	21.6
Washington	644	183	28.4	1528	71	4.6	2849	113	4.0	1821	100	5.5	2233	416	18.6
Wayne	190	66	34.7	427	22	5.2	865	41	4.7	798	46	5.8	1309	197	15.0
Webster	1167	236	20.2	2872	168	5.8	5521	291	5.3	4172	348	8.3	5305	1206	22.7
Winnebago	392	95	24.2	809	35	4.3	1840	47	2.6	1291	50	3.9	1771	265	15.0
Winneshiek	1199	192	16.0	1541	87	5.6	2964	108	3.6	2089	117	5.6	2392	314	13.1
Woodbury	2966	507	17.1	7158	395	5.5	13483	707	5.2	8862	697	7.9	10192	2182	21.4
Worth	282	71	25.2	686	29	4.2	1251	59	4.7	966	55	5.7	1280	186	14.5
Wright	327	87	26.6	866	59	6.8	1892	92	4.9	1516	125	8.2	2198	359	16.3
State of Iowa	119156	21071	17.7	231221	14600	6.3	423659	22807	5.4	286961	22598	7.9	310949	58645	18.9

Table 9. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1990 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	138	46	33.3	532	16	3.0	963	39	4.0	889	40	4.5	1296	179	13.8
Adams	53	19	35.8	238	12	5.0	520	31	6.0	513	26	5.1	662	68	10.3
Allamakee	219	80	36.5	693	30	4.3	1471	60	4.1	1333	70	5.3	1738	241	13.9
Appanoose	142	33	23.2	550	42	7.6	1235	67	5.4	1100	92	8.4	1700	333	19.6
Audubon	179	91	50.8	462	33	7.1	865	50	5.8	862	58	6.7	1094	171	15.6
Benton	322	70	21.7	1259	34	2.7	2559	63	2.5	2022	77	3.8	2140	181	8.5
Black Hawk	2668	283	10.6	5653	259	4.6	13918	533	3.8	10581	774	7.3	10986	2006	18.3
Boone	395	60	15.2	1342	65	4.8	2868	144	5.0	2313	121	5.2	2636	514	19.5
Bremer	480	36	7.5	956	20	2.1	2590	67	2.6	2027	62	3.1	2111	239	11.3
Buchanan	256	56	21.9	989	33	3.3	2228	52	2.3	1768	85	4.8	2062	235	11.4
Buena Vista	348	94	27.0	1027	58	5.6	2159	79	3.7	1720	113	6.6	2213	341	15.4
Butler	153	42	27.5	634	25	3.9	1555	53	3.4	1275	73	5.7	1599	223	13.9
Calhoun	105	4	3.8	490	3	.6	1171	9	.8	1103	10	.9	1515	8	.5
Carroll	238	0	.0	1047	0	.0	2247	0	.0	1875	0	.0	2193	0	.0
Cass	214	86	40.2	800	50	6.3	1703	84	4.9	1574	102	6.5	1842	287	15.6
Cedar	198	62	31.3	909	59	6.5	1925	105	5.5	1494	101	6.8	1673	225	13.4
Cerro Gordo	687	149	21.7	2698	152	5.6	5133	254	4.9	4444	299	6.7	5103	868	17.0
Cherokee	209	87	41.6	764	48	6.3	1752	44	2.5	1588	77	4.8	1656	250	15.1
Chickasaw	222	96	43.2	662	33	5.0	1493	84	5.6	1281	81	6.3	1554	340	21.9
Clarke	151	59	39.1	474	30	6.3	965	50	5.2	831	69	8.3	1087	241	22.2
Clay	221	66	29.9	890	41	4.6	1955	59	3.0	1522	86	5.7	1722	239	13.9
Clayton	320	91	28.4	994	35	3.5	2077	48	2.3	1818	83	4.6	2258	326	14.4
Clinton	844	182	21.6	2470	105	4.3	5505	192	3.5	4669	255	5.5	5173	819	15.8
Crawford	195	55	28.2	737	20	2.7	1764	47	2.7	1455	54	3.7	1644	175	10.6
Dallas	375	73	19.5	1636	98	6.0	3827	212	5.5	2566	202	7.9	2656	476	17.9
Davis	149	38	25.5	381	19	5.0	876	47	5.4	763	56	7.3	1008	174	17.3
Decatur	112	30	26.8	372	11	3.0	755	35	4.6	767	36	4.7	1033	124	12.0
Delaware	303	92	30.4	1123	60	5.3	1924	97	5.0	1664	126	7.6	1621	254	15.7
Des Moines	659	147	22.3	2121	193	9.1	4987	316	6.3	3855	341	8.8	4272	788	18.4
Dickinson	170	55	32.4	662	35	5.3	1739	80	4.6	1399	151	10.8	1986	402	20.2
Dubuque	1599	315	19.7	4581	239	5.2	10188	436	4.3	7810	512	6.6	7749	1403	18.1
Emmet	159	46	28.9	448	23	5.1	1141	42	3.7	1001	46	4.6	1304	195	15.0
Fayette	414	136	32.9	1319	64	4.9	2486	103	4.1	2247	131	5.8	2793	499	17.9
Floyd	214	43	20.1	608	23	3.8	1689	49	2.9	1621	72	4.4	2000	292	14.6
Franklin	132	45	34.1	495	16	3.2	1258	35	2.8	1169	60	5.1	1337	157	11.7
Fremont	137	55	40.1	401	13	3.2	902	44	4.9	733	43	5.9	1128	197	17.5
Greene	184	39	21.2	583	14	2.4	1221	17	1.4	1094	28	2.6	1450	98	6.8
Grundy	141	42	29.8	586	25	4.3	1508	49	3.2	1255	56	4.5	1362	172	12.6
Guthrie	116	34	29.3	494	15	3.0	1144	24	2.1	1135	79	7.0	1322	227	17.2
Hamilton	249	58	23.3	843	36	4.3	1776	55	3.1	1573	88	5.6	1838	334	18.2
Hancock	164	42	25.6	655	24	3.7	1321	37	2.8	1147	52	4.5	1382	152	11.0
Hardin	362	198	54.7	976	33	3.4	2142	81	3.8	1856	122	6.6	2627	544	20.7
Harrison	142	45	31.7	562	15	2.7	1197	31	2.6	1187	47	4.0	1555	159	10.2
Henry	264	67	25.4	863	36	4.2	2018	88	4.4	1447	80	5.5	1915	243	12.7
Howard	106	41	38.7	484	9	1.9	1042	29	2.8	984	39	4.0	1420	199	14.0
Humboldt	120	31	25.8	562	34	6.0	1173	43	3.7	1182	67	5.7	1484	202	13.6
Ida	112	47	42.0	441	18	4.1	898	30	3.3	790	37	4.7	996	141	14.2
Iowa	209	47	22.5	928	36	3.9	1662	44	2.6	1444	84	5.8	1746	219	12.5
Jackson	327	72	22.0	1078	38	3.5	2220	59	2.7	1960	96	4.9	2094	271	12.9
Jasper	582	96	16.5	2132	89	4.2	4164	165	4.0	3536	220	6.2	3446	581	16.9

Table 9. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1990 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	176	44	25.0	617	28	4.5	2335	149	6.4	1191	73	6.1	1473	200	13.6
Johnson	4417	439	9.9	7347	637	8.7	11189	783	7.0	5367	540	10.1	4410	1061	24.1
Jones	277	76	27.4	954	58	6.1	2101	77	3.7	1795	65	3.6	1932	233	12.1
Keokuk	194	74	38.1	604	42	7.0	1187	47	4.0	1098	70	6.4	1530	206	13.5
Kossuth	223	82	36.8	1054	55	5.2	2175	69	3.2	2003	112	5.6	2239	312	13.9
Lee	531	152	28.6	1809	183	10.1	4025	224	5.6	3270	217	6.6	3861	672	17.4
Linn	2922	516	17.7	10759	639	5.9	21136	1039	4.9	14798	1014	6.9	13086	2449	18.7
Louisa	151	37	24.5	560	20	3.6	1139	44	3.9	965	52	5.4	1039	162	15.6
Lucas	142	49	34.5	431	31	7.2	979	57	5.8	905	72	8.0	1209	197	16.3
Lyon	202	45	22.3	685	30	4.4	1216	27	2.2	1105	51	4.6	1110	122	11.0
Madison	204	48	23.5	736	37	5.0	1598	53	3.3	1203	58	4.8	1544	273	17.7
Mahaska	303	69	22.8	1165	54	4.6	2202	86	3.9	1839	102	5.5	2333	336	14.4
Marion	699	127	18.2	1597	75	4.7	3332	122	3.7	2487	146	5.9	2848	425	14.9
Marshall	691	166	24.0	2054	173	8.4	4827	390	8.1	3612	346	9.6	3790	757	20.0
Mills	157	47	29.9	493	25	5.1	1404	54	3.8	967	60	6.2	981	122	12.4
Mitchell	189	70	37.0	595	18	3.0	1169	30	2.6	1164	37	3.2	1519	207	13.6
Monona	84	24	28.6	375	11	2.9	874	22	2.5	918	43	4.7	1257	176	14.0
Monroe	141	38	27.0	460	40	8.7	863	49	5.7	794	49	6.2	1121	222	19.8
Montgomery	123	38	30.9	420	17	4.0	1113	44	4.0	973	64	6.6	1435	218	15.2
Muscatine	521	131	25.1	1660	135	8.1	3688	196	5.3	2759	205	7.4	2892	499	17.3
O'Brien	171	24	14.0	791	21	2.7	1597	53	3.3	1486	67	4.5	1769	209	11.8
Osceola	104	28	26.9	393	10	2.5	750	25	3.3	666	23	3.5	806	77	9.6
Page	136	43	31.6	521	17	3.3	1539	57	3.7	1345	63	4.7	1880	221	11.8
Palo Alto	174	55	31.6	536	29	5.4	1094	29	2.7	1153	57	4.9	1401	217	15.5
Plymouth	267	56	21.0	1013	41	4.0	2295	53	2.3	1909	77	4.0	2041	235	11.5
Pocahontas	109	37	33.9	473	14	3.0	1035	19	1.8	962	44	4.6	1281	191	14.9
Polk	6226	1186	19.0	23060	2049	8.9	40446	3012	7.4	26633	2816	10.6	24555	5798	23.6
Pottawattamie	860	214	24.9	3406	267	7.8	7343	381	5.2	6328	475	7.5	6051	1042	17.2
Poweshiek	607	103	17.0	954	58	6.1	1940	108	5.6	1631	96	5.9	2001	319	15.9
Ringgold	95	36	37.9	302	17	5.6	581	19	3.3	663	58	8.7	906	140	15.5
Sac	105	35	33.3	455	17	3.7	1018	22	2.2	1061	53	5.0	1354	169	12.5
Scott	1828	36	2.0	7045	57	.8	16352	112	.7	11669	115	1.0	10588	221	2.1
Shelby	139	28	20.1	649	17	2.6	1361	36	2.6	1268	44	3.5	1565	152	9.7
Sioux	667	118	17.7	1768	61	3.5	3233	97	3.0	2533	95	3.8	2787	260	9.3
Story	3472	196	5.6	4658	259	5.6	7886	386	4.9	5005	322	6.4	4727	717	15.2
Tama	248	56	22.6	818	40	4.9	1867	74	4.0	1798	81	4.5	2110	251	11.9
Taylor	135	44	32.6	383	30	7.8	757	52	6.9	732	60	8.2	1196	183	15.3
Union	196	60	30.6	658	53	8.1	1384	91	6.6	1164	112	9.6	1531	423	27.6
Van Buren	141	34	24.1	368	39	10.6	801	40	5.0	720	35	4.9	1024	144	14.1
Wapello	454	85	18.7	1422	111	7.8	3397	197	5.8	3065	237	7.7	3992	618	15.5
Warren	878	190	21.6	2257	89	3.9	5077	246	4.8	3275	186	5.7	2505	459	18.3
Washington	247	63	25.5	916	39	4.3	1912	86	4.5	1481	74	5.0	1857	285	15.3
Wayne	84	18	21.4	326	15	4.6	683	25	3.7	722	28	3.9	1219	162	13.3
Webster	492	110	22.4	1794	79	4.4	3828	151	3.9	3550	217	6.1	4378	726	16.6
Winnebago	151	44	29.1	681	23	3.4	1480	31	2.1	1215	54	4.4	1632	214	13.1
Winneshiek	421	74	17.6	994	34	3.4	2198	77	3.5	1785	56	3.1	2021	240	11.9
Woodbury	1030	205	19.9	4163	204	4.9	9248	330	3.6	7241	405	5.6	8133	1323	16.3
Worth	143	39	27.3	446	16	3.6	969	25	2.6	870	30	3.4	1122	125	11.1
Wright	145	43	29.7	594	19	3.2	1318	45	3.4	1284	71	5.5	1821	220	12.1
State of Iowa	48530	9313	19.2	148823	8452	5.7	307820	13903	4.5	238669	15106	6.3	261043	41202	15.8

Table 10. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1988 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	82	21	25.6	468	26	5.6	996	23	2.3	906	36	4.0	1458	126	8.6
Adams	51	23	45.1	252	11	4.4	561	13	2.3	565	21	3.7	776	45	5.8
Allamakee	194	80	41.2	713	56	7.9	1584	52	3.3	1348	47	3.5	1898	148	7.8
Appanoose	165	41	24.8	699	60	8.6	1530	72	4.7	1269	83	6.5	2056	314	15.3
Audubon	59	32	54.2	366	29	7.9	783	33	4.2	793	31	3.9	1144	91	8.0
Benton	327	86	26.3	1315	81	6.2	2858	61	2.1	2232	60	2.7	2678	179	6.7
Black Hawk	2637	282	10.7	7311	458	6.3	16944	516	3.0	12090	581	4.8	12941	1807	14.0
Boone	387	78	20.2	1433	90	6.3	3278	163	5.0	2524	94	3.7	3154	402	12.7
Bremer	439	63	14.4	1081	65	6.0	2968	55	1.9	2363	74	3.1	2535	207	8.2
Buchanan	221	59	26.7	1117	58	5.2	2492	41	1.6	1954	65	3.3	2402	232	9.7
Buena Vista	360	89	24.7	1026	80	7.8	2357	64	2.7	1823	74	4.1	2573	323	12.6
Butler	146	44	30.1	601	42	7.0	1727	29	1.7	1343	34	2.5	1813	134	7.4
Calhoun	168	71	42.3	540	59	10.9	1387	52	3.7	1234	67	5.4	1797	197	11.0
Carroll	232	86	37.1	1150	74	6.4	2585	71	2.7	2068	66	3.2	2734	249	9.1
Cass	184	73	39.7	780	61	7.8	1789	52	2.9	1605	55	3.4	2180	205	9.4
Cedar	178	51	28.7	919	52	5.7	2265	61	2.7	1702	58	3.4	2007	229	11.4
Cerro Gordo	705	109	15.5	3134	163	5.2	6272	225	3.6	4874	256	5.3	6001	735	12.2
Cherokee	185	93	50.3	839	84	10.0	1922	62	3.2	1669	62	3.7	1931	198	10.3
Chickasaw	192	83	43.2	712	68	9.6	1721	54	3.1	1441	63	4.4	1724	248	14.4
Clarke	112	49	43.8	455	35	7.7	1058	44	4.2	881	55	6.2	1201	213	17.7
Clay	224	74	33.0	968	86	8.9	2335	76	3.3	1685	73	4.3	2090	195	9.3
Clayton	233	94	40.3	999	61	6.1	2222	45	2.0	1910	82	4.3	2500	236	9.4
Clinton	844	240	28.4	2978	248	8.3	6608	217	3.3	5126	212	4.1	5845	653	11.2
Crawford	242	58	24.0	876	58	6.6	2062	45	2.2	1707	44	2.6	2076	113	5.4
Dallas	355	67	18.9	1558	89	5.7	4035	156	3.9	2749	146	5.3	3035	356	11.7
Davis	143	36	25.2	469	30	6.4	1002	48	4.8	845	54	6.4	1166	144	12.3
Decatur	179	23	12.8	430	32	7.4	862	18	2.1	796	29	3.6	1173	104	8.9
Delaware	242	65	26.9	1122	81	7.2	2039	55	2.7	1691	62	3.7	1856	227	12.2
Des Moines	735	140	19.0	2410	162	6.7	5763	157	2.7	4341	165	3.8	5048	505	10.0
Dickinson	181	83	45.9	694	53	7.6	1966	86	4.4	1517	130	8.6	2362	387	16.4
Dubuque	1464	248	16.9	5357	242	4.5	11737	292	2.5	8721	271	3.1	8926	751	8.4
Emmet	155	46	29.7	552	63	11.4	1355	49	3.6	1102	47	4.3	1532	195	12.7
Fayette	285	96	33.7	1247	98	7.9	2598	86	3.3	2301	86	3.7	3027	391	12.9
Floyd	217	53	24.4	715	62	8.7	1997	49	2.5	1817	73	4.0	2334	231	9.9
Franklin	96	30	31.3	482	30	6.2	1358	26	1.9	1180	41	3.5	1489	116	7.8
Fremont	121	49	40.5	369	22	6.0	911	21	2.3	755	25	3.3	1197	113	9.4
Greene	145	58	40.0	522	35	6.7	1247	21	1.7	1067	35	3.3	1578	121	7.7
Grundy	116	48	41.4	558	48	8.6	1687	41	2.4	1350	35	2.6	1661	180	10.8
Guthrie	99	35	35.4	493	42	8.5	1277	33	2.6	1162	51	4.4	1585	163	10.3
Hamilton	182	43	23.6	892	55	6.2	2020	44	2.2	1752	68	3.9	2164	253	11.7
Hancock	168	51	30.4	672	30	4.5	1517	33	2.2	1235	46	3.7	1619	159	9.8
Hardin	312	66	21.2	997	73	7.3	2306	78	3.4	1985	98	4.9	2965	415	14.0
Harrison	155	46	29.7	722	50	6.9	1537	36	2.3	1392	38	2.7	1939	156	8.0
Henry	265	64	24.2	957	57	6.0	2338	61	2.6	1592	43	2.7	2197	205	9.3
Howard	88	33	37.5	479	32	6.7	1148	28	2.4	1064	26	2.4	1622	127	7.8
Humboldt	172	50	29.1	638	45	7.1	1373	45	3.3	1252	56	4.5	1716	142	8.3
Ida	90	43	47.8	435	29	6.7	1052	28	2.7	830	30	3.6	1190	82	6.9
Iowa	151	44	29.1	928	63	6.8	1815	34	1.9	1525	50	3.3	1923	166	8.6
Jackson	236	55	23.3	982	55	5.6	2269	51	2.2	2012	54	2.7	2230	193	8.7
Jasper	464	82	17.7	2116	86	4.1	4678	111	2.4	3837	134	3.5	4037	413	10.2

Table 10. Number of Votes Cast and Percent Cast by Absentee Ballot by Age Categories in Iowa's Counties in the 1988 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	214	50	23.4	814	53	6.5	2837	113	4.0	1355	60	4.4	1715	137	8.0
Johnson	5249	252	4.8	10555	447	4.2	13122	466	3.6	6135	356	5.8	5096	739	14.5
Jones	226	72	31.9	989	69	7.0	2355	54	2.3	1893	39	2.1	2268	159	7.0
Keokuk	166	58	34.9	664	70	10.5	1293	40	3.1	1169	63	5.4	1699	163	9.6
Kossuth	235	96	40.9	1178	89	7.6	2491	54	2.2	2168	98	4.5	2620	247	9.4
Lee	589	148	25.1	2389	248	10.4	4978	265	5.3	3906	212	5.4	4677	656	14.0
Linn	2778	506	18.2	12493	706	5.7	25405	829	3.3	17172	873	5.1	15661	1968	12.6
Louisa	140	32	22.9	529	29	5.5	1343	35	2.6	1057	32	3.0	1175	116	9.9
Lucas	122	50	41.0	431	28	6.5	1056	47	4.5	956	54	5.6	1352	180	13.3
Lyon	204	59	28.9	769	28	3.6	1434	30	2.1	1247	27	2.2	1427	115	8.1
Madison	162	53	32.7	652	57	8.7	1665	38	2.3	1286	48	3.7	1693	197	11.6
Mahaska	269	46	17.1	1279	53	4.1	2541	56	2.2	1993	74	3.7	2662	227	8.5
Marion	695	80	11.5	1772	70	4.0	3829	78	2.0	2801	127	4.5	3298	315	9.6
Marshall	619	120	19.4	2176	152	7.0	5494	216	3.9	3995	185	4.6	4480	599	13.4
Mills	203	64	31.5	672	48	7.1	1805	78	4.3	1165	44	3.8	1240	124	10.0
Mitchell	147	57	38.8	606	46	7.6	1304	29	2.2	1199	48	4.0	1726	166	9.6
Monona	117	45	38.5	435	21	4.8	1072	37	3.5	1064	32	3.0	1604	145	9.0
Monroe	93	24	25.8	429	47	11.0	940	38	4.0	800	45	5.6	1207	144	11.9
Montgomery	120	42	35.0	496	35	7.1	1316	35	2.7	1082	45	4.2	1692	166	9.8
Muscatine	418	82	19.6	1957	80	4.1	4467	109	2.4	3131	104	3.3	3370	304	9.0
O'Brien	161	40	24.8	773	31	4.0	1835	51	2.8	1579	36	2.3	2133	191	9.0
Osceola	100	28	28.0	421	20	4.8	849	23	2.7	762	21	2.8	988	91	9.2
Page	185	66	35.7	691	48	6.9	1875	50	2.7	1505	46	3.1	2256	179	7.9
Palo Alto	217	95	43.8	702	97	13.8	1326	54	4.1	1274	84	6.6	1658	205	12.4
Plymouth	281	66	23.5	1232	82	6.7	2821	56	2.0	2194	68	3.1	2564	185	7.2
Pocahontas	123	39	31.7	512	46	9.0	1174	29	2.5	1071	38	3.5	1497	168	11.2
Polk	5196	695	13.4	25753	1130	4.4	47358	1495	3.2	29999	1454	4.8	29047	3932	13.5
Pottawattamie	993	244	24.6	4747	315	6.6	9649	330	3.4	7491	289	3.9	7705	759	9.9
Poweshiek	744	104	14.0	1009	72	7.1	2156	79	3.7	1794	58	3.2	2271	227	10.0
Ringgold	64	24	37.5	275	29	10.5	617	16	2.6	655	40	6.1	969	87	9.0
Sac	112	38	33.9	529	31	5.9	1220	24	2.0	1125	28	2.5	1777	146	8.2
Scott	2543	516	20.3	11005	654	5.9	22316	739	3.3	14605	694	4.8	13195	1619	12.3
Shelby	147	65	44.2	692	51	7.4	1525	34	2.2	1384	37	2.7	1854	128	6.9
Sioux	717	71	9.9	1950	76	3.9	3723	111	3.0	2761	71	2.6	3399	213	6.3
Story	3731	125	3.4	6597	278	4.2	8557	280	3.3	5435	240	4.4	5445	549	10.1
Tama	232	80	34.5	831	61	7.3	2104	54	2.6	1948	66	3.4	2513	224	8.9
Taylor	59	17	28.8	325	14	4.3	739	30	4.1	732	27	3.7	1250	103	8.2
Union	227	65	28.6	770	84	10.9	1629	85	5.2	1286	80	6.2	1798	362	20.1
Van Buren	102	39	38.2	354	24	6.8	846	23	2.7	721	17	2.4	1094	77	7.0
Wapello	463	74	16.0	1720	130	7.6	4208	145	3.4	3495	161	4.6	4744	445	9.4
Warren	651	117	18.0	2236	102	4.6	5610	154	2.7	3614	132	3.7	2822	343	12.2
Washington	192	48	25.0	1008	55	5.5	2238	72	3.2	1591	46	2.9	2098	238	11.3
Wayne	77	26	33.8	378	32	8.5	741	31	4.2	732	34	4.6	1324	136	10.3
Webster	447	89	19.9	2076	143	6.9	4660	155	3.3	3950	157	4.0	5233	648	12.4
Winnebago	177	54	30.5	598	38	6.4	1576	32	2.0	1219	47	3.9	1797	178	9.9
Winneshiek	537	64	11.9	1076	72	6.7	2408	75	3.1	1928	61	3.2	2277	158	6.9
Woodbury	1133	230	20.3	5304	313	5.9	11832	379	3.2	8526	351	4.1	10388	1330	12.8
Worth	106	22	20.8	437	40	9.2	1015	28	2.8	892	21	2.4	1241	90	7.3
Wright	107	33	30.8	593	40	6.7	1509	41	2.7	1374	41	3.0	2163	184	8.5
State of Iowa	47973	8743	18.2	173407	10253	5.9	361054	11135	3.1	266198	11197	4.2	307247	33836	11.0

Table 11. Number of Votes Cast and Percent Cast by Absentee Ballot by Sex in Iowa's Counties in the 1988-1996 November Elections.

County	1996			1994			1992			1990			1988																	
	Females		Males																											
	Total Vote Cast	Ab Vote	% Ab Vote																											
Adair	2144	260	12.1	1838	188	10.2	2027	239	11.8	1788	165	9.2	2306	229	9.9	2055	168	8.2	2023	195	9.6	1795	125	7.0	2093	133	6.4	1817	99	5.4
Adams	1262	158	12.5	1058	129	12.2	1191	121	10.2	1029	93	9.0	1388	151	10.9	1230	117	9.5	1054	91	8.6	932	65	7.0	1188	60	5.1	1017	53	5.2
Allamakee	3055	437	14.3	2777	338	12.2	2713	340	12.5	2486	280	11.3	3534	403	11.4	3197	339	10.6	2871	271	9.4	2583	210	8.1	3036	205	6.8	2701	178	6.6
Appanoose	3098	561	18.1	2548	409	16.1	2522	389	15.4	2122	270	12.7	3469	480	13.8	2942	388	13.2	2628	337	12.8	2099	230	11.0	3164	328	10.4	2555	242	9.5
Audubon	1861	291	15.6	1603	206	12.9	1626	176	10.8	1409	140	9.9	2033	230	11.3	1853	195	10.5	1799	213	11.8	1663	190	11.4	1670	104	6.2	1475	112	7.6
Benton	5467	663	12.1	4899	567	11.6	4439	356	8.0	4097	297	7.2	5780	445	7.7	5274	395	7.5	4322	237	5.5	3980	188	4.7	4952	226	4.6	4458	241	5.4
Black Hawk	28809	4346	15.1	24142	3080	12.8	23753	2745	11.6	20853	1957	9.4	33218	3206	9.7	28346	2386	8.4	23396	2365	10.1	20410	1490	7.3	28368	2060	7.3	23555	1584	6.7
Boone	6239	1107	17.7	5415	827	15.3	5219	753	14.4	4526	538	11.9	6612	741	11.2	5827	565	9.7	5096	545	10.7	4458	359	8.1	5787	446	7.7	4989	381	7.6
Bremer	5406	640	11.8	4752	496	10.4	4433	399	9.0	3977	318	8.0	6118	466	7.6	5501	424	7.7	4256	247	5.8	3908	177	4.5	5006	254	5.1	4380	210	4.8
Buchanan	4870	647	13.3	4214	531	12.6	3909	375	9.6	3328	264	7.9	5236	503	9.6	4544	403	8.9	3919	258	6.6	3384	203	6.0	4433	249	5.6	3753	206	5.5
Buena Vista	4255	611	14.4	3711	483	13.0	3582	410	11.4	3207	310	9.7	4860	525	10.8	4352	387	8.9	3912	397	10.1	3555	288	8.1	4330	350	8.1	3809	280	7.4
Butler	3517	468	13.3	3196	380	11.9	2736	277	10.1	2493	221	8.9	3755	308	8.2	3404	261	7.7	2732	250	9.2	2484	166	6.7	2959	149	5.0	2671	134	5.0
Calhoun	2606	370	14.2	2212	280	12.7	2386	247	10.4	2019	196	9.7	3008	356	11.8	2566	265	10.3	2362	14	0.6	2022	20	1.0	2782	225	8.1	2344	221	9.4
Carroll	4742	639	13.5	4028	455	11.3	4274	408	9.5	3782	306	8.1	5268	535	10.2	4706	467	9.9	3975	0	0.0	3625	0	0.0	4701	286	6.1	4068	260	6.4
Cass	3770	498	13.2	3177	372	11.7	3143	354	11.3	2706	266	9.8	4108	401	9.8	3528	318	9.0	3298	341	10.3	2835	268	9.5	3577	240	6.7	2961	206	7.0
Cedar	4023	503	12.5	3651	415	11.4	3362	321	9.5	3118	293	9.4	4258	412	9.7	3944	317	8.0	3232	313	9.7	2967	239	8.1	3719	241	6.5	3352	210	6.3
Cerro Gordo	11740	2390	20.4	9586	1642	17.1	9231	1495	16.2	7849	1045	13.3	13190	1693	12.8	11019	1304	11.8	9787	998	10.2	8279	724	8.7	11600	815	7.0	9389	674	7.2
Cherokee	3365	380	11.3	3025	278	9.2	2749	276	10.0	2522	211	8.4	3838	407	10.6	3501	346	9.9	3104	287	9.2	2865	219	7.6	3482	263	7.6	3064	236	7.7
Chickasaw	3350	571	17.0	2982	454	15.2	3081	529	17.2	2769	485	17.5	3439	468	13.6	3089	360	11.7	2758	374	13.6	2454	260	10.6	3074	297	9.7	2716	219	8.1
Clarke	2112	503	23.8	1813	404	22.3	1877	340	18.1	1564	265	16.9	2321	369	15.9	1999	292	14.6	1924	277	14.4	1584	172	10.9	2034	219	10.8	1673	177	10.6
Clay	4113	498	12.1	3543	368	10.4	3305	329	10.0	2942	247	8.4	4448	396	8.9	3923	318	8.1	3381	278	8.2	2929	213	7.3	3955	269	6.8	3347	235	7.0
Clayton	4347	499	11.5	3876	414	10.7	3927	368	9.4	3465	279	8.1	4851	451	9.3	4391	412	9.4	3956	343	8.7	3511	240	6.8	4135	259	6.3	3729	259	6.9
Clinton	11539	1534	13.3	9691	1112	11.5	9292	1143	12.3	8105	796	9.8	13271	1526	11.5	11582	1136	9.8	9990	929	9.3	8671	624	7.2	11583	824	7.1	9817	745	7.6
Crawford	3558	374	10.5	3203	324	10.1	3143	258	8.2	2808	203	7.2	4037	368	9.1	3683	294	8.0	2981	198	6.6	2814	153	5.4	3681	168	4.6	3282	150	4.6
Dallas	8478	1512	17.8	7468	1238	16.6	6889	917	13.3	6166	784	12.7	7940	842	10.6	7078	729	10.3	5873	610	10.4	5187	451	8.7	6291	442	7.0	5441	372	6.8
Davis	1990	348	17.5	1819	273	15.0	1733	237	13.7	1556	187	12.0	2152	281	13.1	1940	232	12.0	1677	194	11.6	1500	140	9.3	1938	167	8.6	1687	145	8.6
Decatur	1984	268	13.5	1636	210	12.8	1684	175	10.4	1398	132	9.4	2192	231	10.5	1929	191	9.9	1671	145	8.7	1368	91	6.7	1855	114	6.1	1585	92	5.8
Delaware	3933	515	13.1	3594	442	12.3	3428	437	12.7	3182	345	10.8	4396	419	9.5	4041	383	9.5	3475	348	10.0	3160	281	8.9	3660	271	7.4	3290	219	6.7
Des Moines	9772	1716	17.6	8333	1180	14.2	7487	971	13.0	6731	703	10.4	11509	1488	12.9	9837	1069	10.9	8493	1035	12.2	7401	750	10.1	9811	582	5.9	8486	547	6.4
Dickinson	4116	741	18.0	3601	572	15.9	3217	502	15.6	2828	413	14.6	4436	639	14.4	3953	572	14.5	3197	391	12.2	2759	332	12.0	3659	397	10.8	3061	342	11.2
Dubuque	20248	3558	17.6	17616	2377	13.5	15346	1906	12.4	14172	1286	9.1	22671	2688	11.9	20194	1850	9.2	16839	1747	10.4	15088	1158	7.7	19439	947	4.9	16766	857	5.1
Emmet	2407	270	11.2	2040	205	10.0	2120	221	10.4	1790	149	8.3	2848	327	11.5	2408	247	10.3	2216	211	9.5	1837	141	7.7	2568	211	8.2	2128	189	8.9
Fayette	5257	853	16.2	4486	643	14.3	4602	570	12.4	3992	415	10.4	5746	686	11.9	5028	506	10.1	4969	535	10.8	4290	398	9.3	5031	404	8.0	4427	353	8.0

Table 11. Number of Votes Cast and Percent Cast by Absentee Ballot by Sex in Iowa's Counties in the 1988-1996 November Elections (continued).

County	1996						1994						1992						1990						1988					
	Females			Males			Females			Males			Females			Males			Females			Males			Females			Males		
	Total Vote Cast	Ab Vote	% Ab Vote																											
Floyd	3607	585	16.2	3106	412	13.3	3132	501	16.0	2756	368	13.4	4202	492	11.7	3660	362	9.9	3244	288	8.9	2888	191	6.6	3822	262	6.9	3259	206	6.3
Franklin	2562	356	13.9	2229	264	11.8	2275	209	9.2	2013	158	7.8	2785	239	8.6	2445	186	7.6	2328	180	7.7	2063	133	6.4	2473	129	5.2	2132	114	5.3
Fremont	2005	221	11.0	1626	138	8.5	1577	156	9.9	1266	99	7.8	2206	228	10.3	1825	158	8.7	1830	222	12.1	1471	130	8.8	1848	131	7.1	1505	99	6.6
Greene	2429	316	13.0	1993	217	10.9	2327	254	10.9	1926	167	8.7	2933	299	10.2	2484	226	9.1	2473	115	4.7	2059	81	3.9	2537	146	5.8	2022	124	6.1
Grundy	3019	356	11.8	2674	273	10.2	2529	272	10.8	2242	214	9.5	3239	300	9.3	2933	232	7.9	2531	209	8.3	2321	135	5.8	2861	182	6.4	2511	170	6.8
Guthrie	2718	370	13.6	2358	301	12.8	2437	289	11.9	2084	202	9.7	2930	312	10.6	2577	239	9.3	2237	220	9.8	1974	159	8.1	2473	163	6.6	2143	161	7.5
Hamilton	3759	639	17.0	3331	483	14.5	3431	569	16.6	3045	436	14.3	4309	707	16.4	3823	544	14.2	3347	334	10.0	2932	237	8.1	3741	256	6.8	3269	207	6.3
Hancock	2796	326	11.7	2487	259	10.4	2534	275	10.9	2237	206	9.2	3073	286	9.3	2783	261	9.4	2478	179	7.2	2191	128	5.8	2784	181	6.5	2427	138	5.7
Hardin	4586	833	18.2	3828	537	14.0	4150	574	13.8	3459	380	11.0	5128	686	13.4	4381	495	11.3	4245	564	13.3	3718	414	11.1	4623	418	9.0	3942	312	7.9
Harrison	3456	341	9.9	2934	250	8.5	2995	248	8.3	2491	165	6.6	3775	275	7.3	3210	223	6.9	2516	188	7.5	2127	109	5.1	3185	184	5.8	2560	142	5.5
Henry	4477	851	19.0	3798	648	17.1	3636	697	19.2	3074	490	15.9	4764	520	10.9	4092	405	9.9	3479	291	8.4	3028	223	7.4	3950	231	5.8	3399	199	5.9
Howard	2381	257	10.8	2076	193	9.3	2091	207	9.9	1833	132	7.2	2656	245	9.2	2339	197	8.4	2157	185	8.6	1879	132	7.0	2335	122	5.2	2066	124	6.0
Humboldt	2640	363	13.8	2312	281	12.2	2300	241	10.5	2007	184	9.2	2911	298	10.2	2542	247	9.7	2421	213	8.8	2100	164	7.8	2769	179	6.5	2382	159	6.7
Ida	1981	212	10.7	1791	194	10.8	1578	129	8.2	1405	124	8.8	2268	234	10.3	1993	179	9.0	1725	153	8.9	1512	120	7.9	1926	114	5.9	1671	98	5.9
Iowa	3721	518	13.9	3352	390	11.6	3004	299	10.0	2744	215	7.8	3832	357	9.3	3467	289	8.3	3169	250	7.9	2820	180	6.4	3380	200	5.9	2962	157	5.3
Jackson	4655	757	16.3	4109	641	15.6	3639	389	10.7	3246	298	9.2	4971	466	9.4	4514	394	8.7	4051	332	8.2	3628	204	5.6	4090	202	4.9	3639	206	5.7
Jasper	8893	1453	16.3	7882	1040	13.2	7834	1159	14.8	6898	777	11.3	9573	1160	12.1	8541	869	10.2	7286	671	9.2	6587	483	7.3	8048	448	5.6	7106	379	5.3
Jefferson	3912	660	16.9	3391	496	14.6	2930	320	10.9	2749	255	9.3	4414	452	10.2	4095	383	9.4	3038	268	8.8	2754	226	8.2	3705	216	5.8	3230	197	6.1
Johnson	24210	7704	31.8	21117	6054	28.7	18023	4663	25.9	16281	3575	22.0	27522	5022	18.2	24765	3824	15.4	17324	2032	11.7	15406	1428	9.3	21165	1247	5.9	18992	1013	5.3
Jones	4619	568	12.3	4026	435	10.8	3814	371	9.7	3388	290	8.6	4812	431	9.0	4325	347	8.0	3738	292	7.8	3321	217	6.5	4141	191	4.6	3590	202	5.6
Keokuk	2791	438	15.7	2397	360	15.0	2580	390	15.1	2169	270	12.4	2993	329	11.0	2637	269	10.2	2474	244	9.9	2139	195	9.1	2665	191	7.2	2326	203	8.7
Kossuth	4549	636	14.0	4073	543	13.3	3980	416	10.5	3565	341	9.6	4818	530	11.0	4352	417	9.6	4039	354	8.8	3655	276	7.6	4622	330	7.1	4070	254	6.2
Lee	8573	1895	22.1	7154	1274	17.8	6451	1117	17.3	5588	783	14.0	9710	1183	12.2	8243	899	10.9	7296	878	12.0	6205	572	9.2	9032	871	9.6	7514	660	8.8
Linn	43854	8302	18.9	38394	6338	16.5	32645	4201	12.9	29593	3300	11.2	47911	5093	10.6	42307	3915	9.3	33090	3300	10.0	29611	2357	8.0	39319	2699	6.9	34190	2183	6.4
Louisa	2260	195	8.6	1973	153	7.8	1744	193	11.1	1506	156	10.4	2607	209	8.0	2289	193	8.4	2038	161	7.9	1816	154	8.5	2261	121	5.4	1983	123	6.2
Lucas	2297	415	18.1	1908	315	16.5	1960	275	14.0	1673	223	13.3	2552	361	14.1	2146	305	14.2	1999	234	11.7	1667	172	10.3	2158	197	9.1	1759	162	9.2
Lyon	2775	245	8.8	2578	214	8.3	1993	157	7.9	1930	134	6.9	2934	191	6.5	2828	169	6.0	2173	149	6.9	2145	126	5.9	2627	144	5.5	2454	115	4.7
Madison	3368	551	16.4	2953	438	14.8	2902	369	12.7	2489	287	11.5	3424	397	11.6	3034	284	9.4	2855	278	9.7	2431	191	7.9	2951	208	7.0	2508	185	7.4
Mahaska	4777	1300	27.2	4252	962	22.6	3795	587	15.5	3325	421	12.7	5395	569	10.5	4822	424	8.8	4135	373	9.0	3707	274	7.4	4679	247	5.3	4065	209	5.1
Marion	7039	1717	24.4	6178	1391	22.5	5494	803	14.6	4937	612	12.4	7265	785	10.8	6414	699	10.9	5779	512	8.9	5184	383	7.4	6617	354	5.3	5778	316	5.5
Marshall	9193	2837	30.9	8064	2127	26.4	8142	2002	24.6	7255	1550	21.4	10020	1892	18.9	8944	1483	16.6	7875	1038	13.2	7099	794	11.2	8928	698	7.8	7836	574	7.3
Mills	3089	382	12.4	2751	348	12.6	2209	252	11.4	2026	240	11.8	3257	296	9.1	2901	268	9.2	2092	172	8.2	1910	136	7.1	2687	176	6.6	2398	182	7.6
Mitchell	2746	347	12.6	2368	255	10.8	2369	277	11.7	2042	199	9.7	3015	347	11.5	2669	278	10.4	2448	211	8.6	2188	151	6.9	2639	178	6.7	2343	168	7.2

Table 11. Number of Votes Cast and Percent Cast by Absentee Ballot by Sex in Iowa's Counties in the 1988-1996 November Elections (continued).

County	1996						1994						1992						1990						1988					
	Females			Males			Females			Males			Females			Males			Females			Males			Females			Males		
	Total			Total			Total			Total			Total			Total			Total			Total			Total			Total		
	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab	Vote	Ab	% Ab
Monona	2320	266	11.5	1958	196	10.0	2036	213	10.5	1705	141	8.3	2600	211	8.1	2250	158	7.0	1829	157	8.6	1679	119	7.1	2326	147	6.3	1966	133	6.8
Monroe	1905	349	18.3	1658	259	15.6	1456	271	18.6	1270	192	15.1	2156	363	16.8	1905	274	14.4	1814	242	13.3	1565	156	10.0	1882	153	8.1	1587	145	9.1
Montgomery	2824	421	14.9	2403	255	10.6	2173	306	14.1	1894	189	10.0	3057	359	11.7	2615	269	10.3	2184	222	10.2	1880	159	8.5	2579	182	7.1	2127	141	6.6
Muscatine	8021	1361	17.0	7065	997	14.1	5623	771	13.7	5216	589	11.3	8762	861	9.8	7926	753	9.5	6090	665	10.9	5432	503	9.3	7171	364	5.1	6173	315	5.1
O'Brien	3577	340	9.5	3093	301	9.7	2842	232	8.2	2514	172	6.8	4054	360	8.9	3571	281	7.9	3072	219	7.1	2742	155	5.7	3510	197	5.6	2971	152	5.1
Osceola	1670	159	9.5	1420	127	8.9	1308	110	8.4	1146	76	6.6	1903	167	8.8	1710	135	7.9	1423	99	7.0	1296	64	4.9	1666	107	6.4	1454	76	5.2
Page	3835	492	12.8	3251	370	11.4	2881	283	9.8	2509	221	8.8	4034	373	9.2	3539	309	8.7	2925	232	7.9	2496	169	6.8	3549	211	5.9	2963	178	6.0
Palo Alto	2533	360	14.2	2186	246	11.3	2198	223	10.1	1895	152	8.0	2882	336	11.7	2536	268	10.6	2323	235	10.1	2035	152	7.5	2789	280	10.0	2388	255	10.7
Plymouth	5203	507	9.7	4667	403	8.6	3801	295	7.8	3680	265	7.2	5496	410	7.5	5040	373	7.4	3880	262	6.8	3645	200	5.5	4771	215	4.5	4321	242	5.6
Pocahontas	2282	295	12.9	1963	229	11.7	1873	197	10.5	1642	144	8.8	2561	312	12.2	2294	224	9.8	2042	175	8.6	1818	130	7.2	2348	174	7.4	2029	146	7.2
Polk	84734	16567	19.6	70906	12230	17.2	74276	13878	18.7	62863	10452	16.6	92630	9784	10.6	77778	7099	9.1	65839	8881	13.5	55081	5980	10.9	75841	4971	6.6	61512	3735	6.1
Pottawattamie	17768	2325	13.1	15004	1729	11.5	12350	2	0.0	11048	0	0.0	19923	51	0.3	16884	159	0.9	12828	1452	11.3	11160	927	8.3	16745	1012	6.0	13840	925	6.7
Poweshiek	4390	640	14.6	3799	509	13.4	3836	477	12.4	3241	343	10.6	4876	532	10.9	4253	422	9.9	3805	376	9.9	3328	308	9.3	4266	296	6.9	3708	244	6.6
Ringgold	1520	268	17.6	1309	207	15.8	1360	181	13.3	1130	127	11.2	1560	213	13.7	1344	158	11.8	1390	181	13.0	1157	89	7.7	1397	109	7.8	1183	87	7.4
Sac	2673	271	10.1	2313	210	9.1	2206	194	8.8	1946	145	7.5	2875	212	7.4	2588	175	6.8	2101	174	8.3	1893	122	6.4	2529	148	5.9	2234	119	5.3
Scott	35611	5566	15.6	30788	4198	13.6	25570	3172	12.4	23106	2386	10.3	39478	3802	9.6	34620	2975	8.6	25037	325	1.3	22445	216	1.0	34150	2282	6.7	29516	1940	6.6
Shelby	3131	330	10.5	2835	287	10.1	2730	242	8.9	2472	215	8.7	3426	322	9.4	3093	292	9.4	2598	155	6.0	2384	122	5.1	2940	147	5.0	2662	168	6.3
Sioux	7417	640	8.6	6615	547	8.3	5822	436	7.5	5268	364	6.9	7706	445	5.8	6917	421	6.1	5702	351	6.2	5286	280	5.3	6630	273	4.1	5920	269	4.5
Story	16987	3641	21.4	15467	2685	17.4	13766	2103	15.3	12572	1652	13.1	18596	1765	9.5	18031	1489	8.3	13225	1014	7.7	12523	866	6.9	15131	750	5.0	14634	722	4.9
Tama	4110	486	11.8	3576	394	11.0	3655	407	11.1	3236	281	8.7	4529	400	8.8	4135	352	8.5	3600	277	7.7	3241	225	6.9	4048	269	6.6	3580	216	6.0
Taylor	1813	275	15.2	1523	211	13.9	1384	147	10.6	1102	83	7.5	1949	224	11.5	1638	162	9.9	1753	216	12.3	1450	153	10.6	1722	112	6.5	1383	79	5.7
Union	3139	768	24.5	2539	519	20.4	3030	858	28.3	2515	605	24.1	3335	568	17.0	2859	419	14.7	2693	455	16.9	2240	284	12.7	3133	390	12.4	2577	286	11.1
Van Buren	1817	204	11.2	1603	165	10.3	1526	145	9.5	1373	131	9.5	1945	180	9.3	1809	175	9.7	1631	182	11.2	1423	110	7.7	1645	95	5.8	1472	85	5.8
Wapello	8095	1576	19.5	6698	1093	16.3	6363	1002	15.7	5327	699	13.1	9381	1529	16.3	8015	1231	15.4	6719	728	10.8	5611	520	9.3	8053	507	6.3	6577	448	6.8
Warren	9339	1641	17.6	8263	1282	15.5	7798	1088	14.0	6928	829	12.0	10251	966	9.4	9045	823	9.1	7477	674	9.0	6515	496	7.6	8007	444	5.5	6926	404	5.8
Washington	4390	658	15.0	3831	500	13.1	3613	591	16.4	3249	443	13.6	4817	513	10.6	4258	370	8.7	3412	314	9.2	3001	233	7.8	3802	265	7.0	3325	194	5.8
Wayne	1794	230	12.8	1528	180	11.8	1600	183	11.4	1335	139	10.4	1948	215	11.0	1642	157	9.6	1638	146	8.9	1396	102	7.3	1763	147	8.3	1489	112	7.5
Webster	8884	1562	17.6	7437	1069	14.4	7862	1030	13.1	6702	705	10.5	10221	1287	12.6	8816	962	10.9	7588	749	9.9	6454	534	8.3	8966	643	7.2	7400	549	7.4
Winnebago	2933	315	10.7	2543	228	9.0	2535	235	9.3	2251	167	7.4	3231	271	8.4	2872	221	7.7	2735	215	7.9	2424	151	6.2	2900	195	6.7	2467	154	6.2
Winneshiek	4661	600	12.9	4194	459	10.9	3862	304	7.9	3561	273	7.7	5324	439	8.2	4862	379	7.8	3863	274	7.1	3556	207	5.8	4327	201	4.6	3900	229	5.9
Woodbury	20193	2953	14.6	16992	1948	11.5	16284	2144	13.2	14092	1355	9.6	22949	2592	11.3	19712	1896	9.6	15905	1482	9.3	13910	985	7.1	20318	1473	7.2	16865	1130	6.7
Worth	2142	199	9.3	1870	165	8.8	1759	154	8.8	1543	101	6.5	2372	225	9.5	2093	175	8.4	1898	142	7.5	1652	93	5.6	1973	90	4.6	1718	111	6.5
Wright	3266	466	14.3	2799	377	13.5	2924	370	12.7	2530	306	12.1	3624	383	10.6	3175	339	10.7	2739	217	7.9	2423	181	7.5	3099	175	5.6	2647	164	6.2
State of Iowa	662147		17.0	571092		14.7	539228		13.7	474882		11.6	730891		10.7	641069		9.5	534834		9.6	470074		7.8	622578		6.6	533338		6.4
	112406			84091			73689			55052			78531			61194			51552			36431			40845			34322		

The relationship between absentee voting and political party affiliation varied across Iowa's 99 counties. While only 7.9 percent of the Democrats voting in Osceola used absentee ballots in 1996, 33.6 percent of the Democrats in Johnson voted absentee. For Republicans, these percentages ranged from 8.3 in Louisa to 30.4 in Johnson. Johnson also had the highest percentage (25.5%) of those with other/no party affiliation using absentee ballots, while Shelby was lowest (6.5%).

In 1996, at least 1,000 absentee votes were cast by Democrats in 19 counties and Republicans in 17. In both parties, absentee votes in Polk were about double the next highest figures (Johnson for Democrats, Linn for Republicans). In no county did Republicans cast fewer than 100 absentee votes, although that happened among Democrats in Fremont, Louisa, Lyon, Osceola, Sioux, and Van Buren. In 20 counties, fewer than 100 of those affiliated with another party or with no party voted absentee; in seven others, at least 1,000 completed absentee ballots.

Voting by Absentee Ballot by Age

The use of absentee ballots generally varied more by age (Tables 6-10) than by political party affiliation (Tables 1-5). In 1996, for example, 10.1 percent of voters aged 35 through 49 completed absentee ballots, while 24.3 percent of those 18-24 years of age and 25.8 percent of voters at least 65 years old used absentee ballots (Table 6). This curvilinear relationship, with the two ends of the age continuum more likely to vote absentee than those in the middle age groups, occurred in each election from 1988 through 1996.

While the percentages are higher for young and old, numbers tell a different story. Numerically, far more absentee ballots were cast by those 65 years of age than in any of the other age categories every year. In 1988, 1990, and 1992, those under the age of 35 (18-24 plus 25-34) provided the second highest number of absentee votes. The age group providing the second greatest number of absentee ballots in 1994 and 1996 was that containing voters 35-49 years of age. The jump among absentee voters 65 or older was particularly noticeable between 1994 (55,300) and 1996 (79,500). In 1992, about 21,100 voters who were 18-24 years old cast absentee ballots; that dropped substantially in 1994 (10,200) although it changed course again in 1996 (19,300). Numbers in the other age groups have increased relatively regularly between 1988 and 1996.

As with political party affiliation, differences across counties occur on the percentage of absentee ballots by the age groups. In 1996, fewer than 20 percent of those 18-24 years of age voted absentee in Black Hawk, Boone, Bremer, Decatur, Emmet, Pottawattamie, Sioux, Story, and Woodbury (Table 1). In Adams, Chickasaw, Franklin, Kossuth, and Winneshiek, however, at least 40 percent of the voters in this age group cast absentee ballots. Ranges in the 25-34 (5.1% to 27.0%), 35-49 (3.8% to 26.4%), and 50-64 (5.3% to 34.4%) age categories tended to be substantial as well. But the youngest (18-24: 9.1% to 45.8%) and oldest (65 or older: 11.8% to 43.8%) had the greatest variance; in the oldest group, Johnson and Marshall counties both had percentages voting absentee that were greater than 40. Indeed, Johnson had the highest percentage in all age categories except those 18-24 years of age.

Voting by Absentee Ballot by Sex

Substantially more females vote than do males in Iowa (Table 11). In years with races for governor, about 64,000 more females than males voted, while elections with presidential candidates generated about 90,000 more votes by females than males. In addition, females vote by absentee means more than do males; the difference ranged from less than 7,000 in 1988 to more than 28,000 in 1996 and increased between each election in the period examined. In 1996, 17.0 percent of ballots cast by females were in absentee form while 14.7 percent of males who voted used that procedure. That difference of more than two percentage points occurred in 1994 as well, although females and males voting absentee varied little in 1988 (6.6% and 6.4%, respectively).

Text Continues on Page 494

Table 12. Number of Votes Cast and Percent Cast by Absentee Ballot by Females by Age Categories in Iowa's Counties in the 1996 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	98	34	34.7	206	15	7.3	617	27	4.4	466	28	6.0	757	156	20.6
Adams	53	24	45.3	117	14	12.0	323	18	5.6	334	26	7.8	435	76	17.5
Allamakee	120	49	40.8	291	31	10.7	836	51	6.1	747	64	8.6	1061	242	22.8
Appanoose	158	33	20.9	318	33	10.4	837	75	9.0	732	96	13.1	1053	324	30.8
Audubon	86	34	39.5	177	12	6.8	476	39	8.2	433	40	9.2	689	166	24.1
Benton	261	66	25.3	771	67	8.7	1725	114	6.6	1264	131	10.4	1446	285	19.7
Black Hawk	2378	317	13.3	3393	265	7.8	9010	627	7.0	6517	846	13.0	7511	2291	30.5
Boone	341	58	17.0	768	86	11.2	1990	186	9.3	1399	191	13.7	1741	586	33.7
Bremer	361	66	18.3	581	53	9.1	1653	107	6.5	1379	112	8.1	1432	302	21.1
Buchanan	267	64	24.0	599	44	7.3	1517	94	6.2	1125	126	11.2	1362	319	23.4
Buena Vista	285	115	40.4	362	29	8.0	1280	66	5.2	898	59	6.6	1430	342	23.9
Butler	185	58	31.4	395	27	6.8	1060	59	5.6	817	73	8.9	1060	251	23.7
Calhoun	101	38	37.6	205	8	3.9	690	27	3.9	621	49	7.9	989	248	25.1
Carroll	207	77	37.2	456	23	5.0	1437	90	6.3	1057	76	7.2	1585	373	23.5
Cass	177	59	33.3	373	26	7.0	1091	75	6.9	888	88	9.9	1241	250	20.1
Cedar	193	52	26.9	492	39	7.9	1265	94	7.4	979	90	9.2	1094	228	20.8
Cerro Gordo	603	161	26.7	1460	167	11.4	3562	349	9.8	2602	418	16.1	3513	1295	36.9
Cherokee	174	59	33.9	306	23	7.5	1008	36	3.6	824	53	6.4	1053	209	19.8
Chickasaw	180	78	43.3	373	34	9.1	993	75	7.6	781	89	11.4	1023	295	28.8
Clarke	110	35	31.8	232	33	14.2	614	96	15.6	484	95	19.6	672	244	36.3
Clay	204	81	39.7	457	32	7.0	1315	60	4.6	891	70	7.9	1246	255	20.5
Clayton	199	73	36.7	454	27	5.9	1315	45	3.4	1019	86	8.4	1360	268	19.7
Clinton	563	125	22.2	1315	94	7.1	3521	200	5.7	2757	266	9.6	3380	849	25.1
Crawford	145	38	26.2	360	19	5.3	1039	57	5.5	890	58	6.5	1124	202	18.0
Dallas	452	126	27.9	1291	139	10.8	3045	392	12.9	1825	267	14.6	1865	588	31.5
Davis	124	50	40.3	203	18	8.9	553	54	9.8	483	68	14.1	627	158	25.2
Decatur	159	30	18.9	194	16	8.2	513	33	6.4	477	38	8.0	641	151	23.6
Delaware	193	66	34.2	485	37	7.6	1255	51	4.1	903	94	10.4	1097	267	24.3
Des Moines	512	123	24.0	1084	91	8.4	2980	287	9.6	2342	358	15.3	2854	857	30.0
Dickinson	157	54	34.4	360	44	12.2	1200	81	6.8	991	138	13.9	1408	424	30.1
Dubuque	1189	292	24.6	2541	262	10.3	6332	566	8.9	4685	613	13.1	5500	1825	33.2
Emmet	126	28	22.2	196	10	5.1	691	25	3.6	531	33	6.2	863	174	20.2
Fayette	251	68	27.1	549	36	6.6	1453	87	6.0	1266	154	12.2	1738	508	29.2
Floyd	150	41	27.3	344	22	6.4	1004	68	6.8	902	103	11.4	1207	351	29.1
Franklin	120	58	48.3	218	16	7.3	746	34	4.6	614	66	10.7	864	182	21.1
Fremont	111	40	36.0	192	14	7.3	570	21	3.7	462	27	5.8	670	119	17.8
Greene	81	22	27.2	233	12	5.2	675	41	6.1	522	37	7.1	918	204	22.2
Grundy	134	40	29.9	341	30	8.8	899	48	5.3	736	54	7.3	909	184	20.2
Guthrie	119	47	39.5	272	16	5.9	729	47	6.4	691	69	10.0	907	191	21.1
Hamilton	170	50	29.4	386	35	9.1	1135	93	8.2	919	116	12.6	1149	345	30.0
Hancock	148	52	35.1	245	19	7.8	842	30	3.6	637	43	6.8	924	182	19.7
Hardin	189	53	28.0	442	51	11.5	1282	88	6.9	1038	131	12.6	1635	510	31.2
Harrison	180	46	25.6	427	22	5.2	1022	41	4.0	805	69	8.6	1022	163	15.9
Henry	291	96	33.0	544	55	10.1	1385	182	13.1	994	135	13.6	1263	383	30.3
Howard	91	36	39.6	233	24	10.3	655	24	3.7	546	28	5.1	856	145	16.9
Humboldt	107	38	35.5	254	24	9.4	721	50	6.9	634	56	8.8	924	195	21.1
Ida	72	29	40.3	215	13	6.0	588	29	4.9	432	24	5.6	674	117	17.4
Iowa	169	58	34.3	497	54	10.9	1153	74	6.4	835	89	10.7	1067	243	22.8
Jackson	242	82	33.9	537	75	14.0	1381	123	8.9	1127	117	10.4	1368	360	26.3
Jasper	464	113	24.4	1131	74	6.5	2728	229	8.4	2087	273	13.1	2483	764	30.8

Table 12. Number of Votes Cast and Percent Cast by Absentee Ballot by Females by Age Categories in Iowa's Counties in the 1996 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	185	56	30.3	356	21	5.9	1532	188	12.3	887	140	15.8	952	255	26.8
Johnson	3759	1038	27.6	4847	1312	27.1	8144	2248	27.6	4195	1550	36.9	3265	1556	47.7
Jones	237	65	27.4	588	48	8.2	1399	80	5.7	1076	103	9.6	1319	272	20.6
Keokuk	141	42	29.8	319	40	12.5	738	45	6.1	634	68	10.7	959	243	25.3
Kossuth	190	84	44.2	459	48	10.5	1379	72	5.2	1120	117	10.4	1401	315	22.5
Lee	440	148	33.6	919	140	15.2	2520	377	15.0	2066	349	16.9	2628	881	33.5
Linn	2800	731	26.1	6732	780	11.6	14936	1649	11.0	9879	1766	17.9	9507	3376	35.5
Louisa	144	25	17.4	287	17	5.9	706	31	4.4	553	36	6.5	570	86	15.1
Lucas	100	35	35.0	244	27	11.1	627	60	9.6	548	69	12.6	778	224	28.8
Lyon	178	37	20.8	346	26	7.5	842	42	5.0	641	39	6.1	768	101	13.2
Madison	188	48	25.5	434	38	8.8	1099	105	9.6	728	83	11.4	918	277	30.2
Mahaska	256	88	34.4	572	89	15.6	1431	257	18.0	1044	245	23.5	1474	621	42.1
Marion	496	167	33.7	888	130	14.6	2149	384	17.9	1595	320	20.1	1911	716	37.5
Marshall	463	153	33.0	997	185	18.6	2809	600	21.4	2247	629	28.0	2677	1270	47.4
Mills	184	45	24.5	406	36	8.9	1073	80	7.5	714	70	9.8	712	151	21.2
Mitchell	134	53	39.6	284	17	6.0	725	30	4.1	627	44	7.0	976	203	20.8
Monona	91	36	39.6	204	11	5.4	586	18	3.1	548	47	8.6	891	154	17.3
Monroe	104	30	28.8	211	17	8.1	533	61	11.4	431	51	11.8	626	190	30.4
Montgomery	147	40	27.2	282	17	6.0	792	35	4.4	593	56	9.4	1010	273	27.0
Muscatine	497	137	27.6	1056	87	8.2	2653	249	9.4	1919	272	14.2	1896	616	32.5
O'Brien	180	37	20.6	347	19	5.5	1059	42	4.0	788	52	6.6	1203	190	15.8
Osceola	81	27	33.3	187	12	6.4	498	18	3.6	393	22	5.6	511	80	15.7
Page	209	70	33.5	364	25	6.9	1065	48	4.5	847	74	8.7	1350	275	20.4
Palo Alto	121	53	43.8	236	12	5.1	676	35	5.2	601	59	9.8	899	201	22.4
Plymouth	257	71	27.6	618	46	7.4	1717	80	4.7	1162	78	6.7	1449	232	16.0
Pocahontas	83	34	41.0	215	11	5.1	634	27	4.3	529	32	6.0	821	191	23.3
Polk	5389	1119	20.8	15075	1655	11.0	28816	3612	12.5	18011	3545	19.7	17443	6636	38.0
Pottawattamie	1048	180	17.2	2384	192	8.1	5610	399	7.1	4211	455	10.8	4515	1099	24.3
Poweshiek	399	143	35.8	453	27	6.0	1244	76	6.1	983	89	9.1	1311	305	23.3
Ringgold	72	24	33.3	158	18	11.4	372	32	8.6	345	51	14.8	573	143	25.0
Sac	99	35	35.4	237	10	4.2	712	28	3.9	618	39	6.3	1007	159	15.8
Scott	2184	455	20.8	5130	504	9.8	12254	1065	8.7	8233	1158	14.1	7810	2384	30.5
Shelby	123	43	35.0	344	22	6.4	885	47	5.3	687	45	6.6	1092	173	15.8
Sioux	745	131	17.6	934	64	6.9	2262	89	3.9	1515	72	4.8	1961	284	14.5
Story	2608	251	9.6	2627	342	13.0	5198	864	16.6	3217	762	23.7	3337	1422	42.6
Tama	179	45	25.1	421	31	7.4	1144	61	5.3	991	87	8.8	1375	262	19.1
Taylor	80	24	30.0	183	21	11.5	470	35	7.4	387	42	10.9	693	153	22.1
Union	193	75	38.9	329	43	13.1	891	99	11.1	698	132	18.9	1028	419	40.8
Van Buren	84	26	31.0	187	18	9.6	522	27	5.2	440	40	9.1	584	93	15.9
Wapello	447	108	24.2	851	80	9.4	2331	263	11.3	1853	256	13.8	2613	869	33.3
Warren	599	151	25.2	1384	154	11.1	3355	376	11.2	2189	286	13.1	1811	674	37.2
Washington	213	55	25.8	584	47	8.0	1372	112	8.2	941	103	10.9	1280	341	26.6
Wayne	75	19	25.3	163	11	6.7	434	21	4.8	427	36	8.4	695	143	20.6
Webster	383	91	23.8	927	61	6.6	2619	200	7.6	2012	235	11.7	2943	975	33.1
Winnebago	162	43	26.5	273	14	5.1	876	35	4.0	627	32	5.1	995	191	19.2
Winneshiek	376	170	45.2	497	41	8.2	1428	67	4.7	1047	82	7.8	1313	240	18.3
Woodbury	1076	187	17.4	2480	203	8.2	6433	432	6.7	4464	519	11.6	5740	1612	28.1
Worth	104	28	26.9	256	16	6.3	622	26	4.2	484	21	4.3	676	108	16.0
Wright	129	38	29.5	284	25	8.8	910	66	7.3	732	73	10.0	1211	264	21.8
State of Iowa	41882	10323	24.6	86434	9220	10.7	207793	20358	9.8	148865	20961	14.1	177167	51544	29.1

Table 13. Number of Votes Cast and Percent Cast by Absentee Ballot by Males by Age Categories in Iowa's Counties in the 1996 November Election.

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Adair	82	21	25.6	468	26	5.6	996	23	2.3	906	36	4.0	1458	126	8.6
Adair	89	35	39.3	171	9	5.3	587	39	6.6	406	27	6.7	585	78	13.3
Adams	53	24	45.3	101	16	15.8	324	25	7.7	279	19	6.8	301	45	15.0
Allamakee	132	43	32.6	269	36	13.4	838	62	7.4	725	67	9.2	813	130	16.0
Appanoose	141	41	29.1	256	35	13.7	734	79	10.8	639	90	14.1	778	164	21.1
Audubon	55	22	40.0	170	18	10.6	477	43	9.0	398	39	9.8	503	84	16.7
Benton	273	70	25.6	644	81	12.6	1675	124	7.4	1183	101	8.5	1124	191	17.0
Black Hawk	1856	250	13.5	2969	262	8.8	7742	638	8.2	6085	712	11.7	5490	1218	22.2
Boone	321	55	17.1	692	93	13.4	1829	210	11.5	1287	184	14.3	1286	285	22.2
Bremer	329	51	15.5	461	61	13.2	1565	108	6.9	1308	93	7.1	1089	183	16.8
Buchanan	272	57	21.0	477	60	12.6	1441	112	7.8	1038	108	10.4	986	194	19.7
Buena Vista	252	99	39.3	350	36	10.3	1187	73	6.1	793	66	8.3	1129	209	18.5
Butler	188	53	28.2	337	34	10.1	1010	72	7.1	807	60	7.4	854	161	18.9
Calhoun	113	35	31.0	177	16	9.0	669	39	5.8	547	52	9.5	706	138	19.5
Carroll	170	65	38.2	408	27	6.6	1382	87	6.3	918	78	8.5	1150	198	17.2
Cass	169	50	29.6	352	48	13.6	996	74	7.4	788	84	10.7	872	116	13.3
Cedar	190	55	28.9	445	45	10.1	1225	92	7.5	887	72	8.1	904	151	16.7
Cerro Gordo	517	90	17.4	1200	126	10.5	3149	389	12.4	2185	350	16.0	2535	687	27.1
Cherokee	151	38	25.2	254	29	11.4	1024	55	5.4	740	43	5.8	856	113	13.2
Chickasaw	174	70	40.2	339	41	12.1	960	94	9.8	717	86	12.0	792	163	20.6
Clarke	106	41	38.7	207	38	18.4	585	103	17.6	435	88	20.2	480	134	27.9
Clay	228	87	38.2	374	14	3.7	1218	74	6.1	813	53	6.5	910	140	15.4
Clayton	225	71	31.6	391	36	9.2	1247	67	5.4	957	78	8.2	1056	162	15.3
Clinton	503	93	18.5	1048	106	10.1	3170	234	7.4	2520	257	10.2	2450	422	17.2
Crawford	162	56	34.6	332	30	9.0	998	55	5.5	830	69	8.3	881	114	12.9
Dallas	416	122	29.3	1077	154	14.3	2804	349	12.4	1789	292	16.3	1382	321	23.2
Davis	137	34	24.8	226	33	14.6	537	60	11.2	451	54	12.0	468	92	19.7
Decatur	120	22	18.3	157	18	11.5	475	49	10.3	410	51	12.4	474	70	14.8
Delaware	214	63	29.4	467	54	11.6	1219	86	7.1	842	83	9.9	852	156	18.3
Des Moines	448	103	23.0	931	89	9.6	2727	283	10.4	2188	290	13.3	2039	415	20.4
Dickinson	178	56	31.5	352	45	12.8	1100	79	7.2	868	113	13.0	1103	279	25.3
Dubuque	1100	294	26.7	2305	228	9.9	5927	527	8.9	4445	493	11.1	3838	834	21.7
Emmet	138	23	16.7	196	18	9.2	631	39	6.2	491	46	9.4	584	79	13.5
Fayette	244	78	32.0	444	48	10.8	1446	109	7.5	1078	118	10.9	1274	290	22.8
Floyd	149	31	20.8	287	20	7.0	924	71	7.7	816	83	10.2	930	207	22.3
Franklin	108	38	35.2	223	29	13.0	687	49	7.1	558	60	10.8	653	88	13.5
Fremont	109	27	24.8	154	11	7.1	506	32	6.3	402	26	6.5	455	42	9.2
Greene	77	22	28.6	195	17	8.7	618	41	6.6	478	34	7.1	625	103	16.5
Grundy	128	28	21.9	284	22	7.7	842	67	8.0	718	45	6.3	702	111	15.8
Guthrie	106	28	26.4	225	24	10.7	727	51	7.0	598	65	10.9	702	133	18.9
Hamilton	178	48	27.0	353	39	11.0	1067	98	9.2	803	102	12.7	930	196	21.1
Hancock	132	37	28.0	245	41	16.7	809	32	4.0	602	42	7.0	699	107	15.3
Hardin	196	46	23.5	350	29	8.3	1191	103	8.6	895	86	9.6	1196	273	22.8
Harrison	165	36	21.8	363	22	6.1	951	51	5.4	703	55	7.8	752	86	11.4
Henry	251	83	33.1	457	60	13.1	1260	141	11.2	906	150	16.6	924	214	23.2
Howard	89	23	25.8	190	19	10.0	659	39	5.9	495	28	5.7	643	84	13.1
Humboldt	108	38	35.2	249	23	9.2	750	64	8.5	545	55	10.1	660	101	15.3
Ida	105	41	39.0	196	21	10.7	570	31	5.4	394	37	9.4	526	64	12.2
Iowa	171	46	26.9	427	39	9.1	1187	81	6.8	778	88	11.3	789	136	17.2
Jackson	259	107	41.3	481	93	19.3	1332	120	9.0	998	117	11.7	1039	204	19.6
Jasper	434	100	23.0	1000	87	8.7	2587	224	8.7	1974	211	10.7	1887	418	22.2

Table 13. Number of Votes Cast and Percent Cast by Absentee Ballot by Males by Age Categories in Iowa's Counties in the 1996 November Election (continued).

County	18-24			25-34			35-49			50-64			65 or Older		
	Total Votes Cast	Abs Votes	% Abs Votes												
Jefferson	164	35	21.3	300	28	9.3	1481	192	13.0	772	98	12.7	674	143	21.2
Johnson	3025	846	28.0	4467	1203	26.9	7256	1818	25.1	3931	1244	31.6	2438	943	38.7
Jones	244	60	24.6	478	45	9.4	1329	80	6.0	988	93	9.4	987	157	15.9
Keokuk	169	68	40.2	257	51	19.8	728	62	8.5	553	64	11.6	690	115	16.7
Kossuth	205	97	47.3	397	61	15.4	1360	91	6.7	992	93	9.4	1119	201	18.0
Lee	412	119	28.9	731	127	17.4	2338	342	14.6	1852	281	15.2	1820	405	22.3
Linn	2351	580	24.7	5937	778	13.1	13559	1551	11.4	9335	1534	16.4	7212	1895	26.3
Louisa	97	24	24.7	241	10	4.1	672	28	4.2	493	33	6.7	470	58	12.3
Lucas	94	32	34.0	207	24	11.6	564	65	11.5	497	85	17.1	546	109	20.0
Lyon	192	43	22.4	336	25	7.4	825	48	5.8	573	32	5.6	652	66	10.1
Madison	187	56	29.9	356	49	13.8	1030	98	9.5	696	70	10.1	684	165	24.1
Mahaska	245	79	32.2	542	94	17.3	1375	229	16.7	982	203	20.7	1108	357	32.2
Marion	453	173	38.2	758	119	15.7	2027	342	16.9	1471	299	20.3	1469	458	31.2
Marshall	404	136	33.7	886	153	17.3	2652	549	20.7	2112	568	26.9	2010	721	35.9
Mills	183	52	28.4	356	39	11.0	946	92	9.7	710	78	11.0	556	87	15.6
Mitchell	122	47	38.5	242	23	9.5	710	37	5.2	567	48	8.5	727	100	13.8
Monona	88	21	23.9	186	19	10.2	578	30	5.2	465	42	9.0	641	84	13.1
Monroe	95	37	38.9	205	24	11.7	474	59	12.4	431	46	10.7	453	93	20.5
Montgomery	128	34	26.6	294	20	6.8	751	33	4.4	519	44	8.5	711	124	17.4
Muscatine	441	97	22.0	900	88	9.8	2416	230	9.5	1817	248	13.6	1491	334	22.4
O'Brien	166	44	26.5	338	17	5.0	1005	66	6.6	674	52	7.7	910	122	13.4
Osceola	80	26	32.5	164	11	6.7	455	24	5.3	332	19	5.7	389	47	12.1
Page	179	50	27.9	320	34	10.6	1007	65	6.5	781	67	8.6	964	154	16.0
Palo Alto	138	41	29.7	213	17	8.0	667	43	6.4	494	30	6.1	674	115	17.1
Plymouth	235	59	25.1	547	39	7.1	1617	86	5.3	1070	72	6.7	1198	147	12.3
Pocahontas	90	31	34.4	174	11	6.3	620	34	5.5	481	38	7.9	598	115	19.2
Polk	4284	874	20.4	12664	1479	11.7	25228	3295	13.1	16299	3048	18.7	12431	3534	28.4
Pottawattamie	904	164	18.1	1973	178	9.0	5018	423	8.4	3671	387	10.5	3438	577	16.8
Poweshiek	323	130	40.2	413	38	9.2	1153	81	7.0	920	85	9.2	990	175	17.7
Ringgold	72	25	34.7	133	17	12.8	348	37	10.6	317	43	13.6	439	85	19.4
Sac	105	31	29.5	216	19	8.8	702	35	5.0	541	37	6.8	749	88	11.7
Scott	1881	404	21.5	4445	496	11.2	10967	1078	9.8	7679	1009	13.1	5816	1211	20.8
Shelby	137	47	34.3	301	27	9.0	920	61	6.6	644	49	7.6	833	103	12.4
Sioux	704	95	13.5	842	76	9.0	2119	110	5.2	1397	83	5.9	1553	183	11.8
Story	2634	227	8.6	2695	321	11.9	4679	737	15.8	3025	632	20.9	2434	768	31.6
Tama	153	43	28.1	378	38	10.1	1104	69	6.3	902	79	8.8	1039	165	15.9
Taylor	82	35	42.7	150	17	11.3	447	38	8.5	349	36	10.3	495	85	17.2
Union	139	44	31.7	262	43	16.4	800	126	15.8	629	95	15.1	709	211	29.8
Van Buren	99	27	27.3	177	15	8.5	457	29	6.3	398	41	10.3	472	53	11.2
Wapello	375	90	24.0	739	85	11.5	2080	252	12.1	1595	222	13.9	1909	444	23.3
Warren	564	153	27.1	1124	142	12.6	3011	352	11.7	2135	280	13.1	1429	355	24.8
Washington	204	56	27.5	487	41	8.4	1311	118	9.0	910	94	10.3	919	191	20.8
Wayne	77	24	31.2	138	10	7.2	422	36	8.5	351	28	8.0	540	82	15.2
Webster	371	84	22.6	797	84	10.5	2345	176	7.5	1756	201	11.4	2168	524	24.2
Winnebago	153	31	20.3	239	20	8.4	869	43	4.9	581	32	5.5	701	102	14.6
Winneshiek	317	114	36.0	459	58	12.6	1387	80	5.8	977	78	8.0	1054	129	12.2
Woodbury	956	156	16.3	2214	200	9.0	5789	423	7.3	3960	402	10.2	4073	767	18.8
Worth	85	16	18.8	223	14	6.3	625	39	6.2	444	38	8.6	493	58	11.8
Wright	133	43	32.3	248	20	8.1	869	75	8.6	648	66	10.2	901	173	19.2
State of Iowa	37368	8925	23.9	75407	9127	12.1	190657	19831	10.4	136226	18246	13.4	131432	27961	21.3

Among females who voted in 1996, the percentage that cast absentee ballots ranged from less than 10 in 8 counties (Harrison, Louisa, Lyon, O'Brien, Osceola, Plymouth, Sioux, Worth) to more than 25 in 3 others (Johnson, Mahaska, Marshall). In 13 counties, less than 10 percent of the votes cast by males occurred in absentee form; Johnson and Marshall exceeded 25 percent. In Polk, 4,337 more females than males cast their votes by absentee ballot in 1996. At least 1,000 more females than males voted absentee in Black Hawk, Dubuque, Johnson, Linn, Scott, and Woodbury in addition to Polk. In no county did more males than females vote absentee.

Voting by Absentee Ballot by Age and Sex in 1996

Residents 65 and older used absentee ballots more than did those in three younger age groups. And females were more likely to cast absentee ballots than males. Based on these results, it would be expected that older females would more likely vote absentee than other combinations of age categories and sex. And that is what occurred in 1996 (Table 12). About 29.1 percent of females 65 years of age or older voted by absentee means. At least 2 of every 5 votes were cast by absentee ballot among females 65 years of age or older in Johnson, Mahaska, Marshall, Story, and Union counties. Among males 65 or older, 21.3 percent voted absentee (Table 13).

The difference in percentage between females (29.1%) and males (21.3%) 65 or older casting absentee ballots was much greater than those in the younger age categories; the others each varied by less than 2 percentage points. More than 1 of every 5 females and males in the youngest age group—those 18-24 years of age—voted absentee in 1996. Indeed, males 18-24 years of age were more likely to cast absentee ballots than men in any other age group. In eight counties, at least 40 percent of males who were 18-24 years old voted absentee; so did females in this age category in 11 counties.

Note: Sections on "Voting for Selected Candidates in U.S. and Iowa Elections in Iowa's Counties: 1980-1996" and on "Registration and Voting by Political Party Affiliation and by Age in Iowa's Counties: 1982-1996" were in the 1997 edition of this report. Those interested in additional details of voting can review reports from the office of the State (Iowa) Registrar of Voters in the capitol complex in Des Moines, IA.

Publications from Census Services

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

County Data Books

Ten editions of "Iowa's Counties: Selected Population Trends, Vital Statistics, and Socioeconomic Data," have been released. The contents vary from one issue to the next. Some items are updated annually. In other instances, new data are released only every 2, 5, or 10 years; in such cases, the latest information is incorporated whenever it becomes available. This volume is available for \$35.00; for information on contents of previous editions not included in this tenth edition, review the inside front cover of this volume.

Other Reports or Series Publications

The first six in a series of reports on selected aspects of Iowa's population were released the last few years. Each is available for \$10.00.

Iowa's Changing Age Structure: Trends from 1890 to 2020. CS98-6. 73 pages.

Iowa's Youth: Trends from 1890 to 1990. CS98-5. 105 pages.

Housing in Iowa: Trends from 1890 to 1990. CS98-3. 126 pages.

Rural/Urban Transitions in Iowa. CS96-4. 112 pages.

Minority/Majority Groups in Iowa. CS95-3. 117 pages.

Iowa's Older Residents: Past, Present, and Future. CS94-7. 105 pages.

Single copies of the following brief items can be ordered at no charge from our office while our supplies last. Some of these titles are released each year or every few years; only the most recent version is listed.

Births, Deaths, and Migration for Iowa and Other States: 1990-1997. CS98-2. 2 pages.

Population Counts for Iowa and Other States: 1890-1990 Censuses and 1991-1997 Estimates. CS98-1. 2 pages.

Estimated Population (1996) and Population (1850-1990) for Incorporated Places in Iowa. CS97-3. 19 pages.

Births, Deaths, and Migration in Iowa: 1910-1992. CS94-6. 4 pages.

Selected Census of Agriculture Data for Iowa: 1964-1992. CS94-5. 2 pages.

1990 Census Publications

Six brief reports highlighting data from the 1990 census have been published by Census Services. The first four are based on information on the PL94-171 (Public Law 94-171) computer tape, which was used for redistricting the state for legislative purposes; this tape was released in February of 1991. The fifth one (CS91-6) is from the tape (STF1A) with more detailed demographic and housing data that arrived in May of 1991. The sixth (CS92-4), which was based on a tape (STF3A) received in May of 1992, contains socioeconomic and additional housing variables. Single copies of these reports can be ordered at no charge from Census Services (303 East Hall, Iowa State University, Ames, IA 50011).

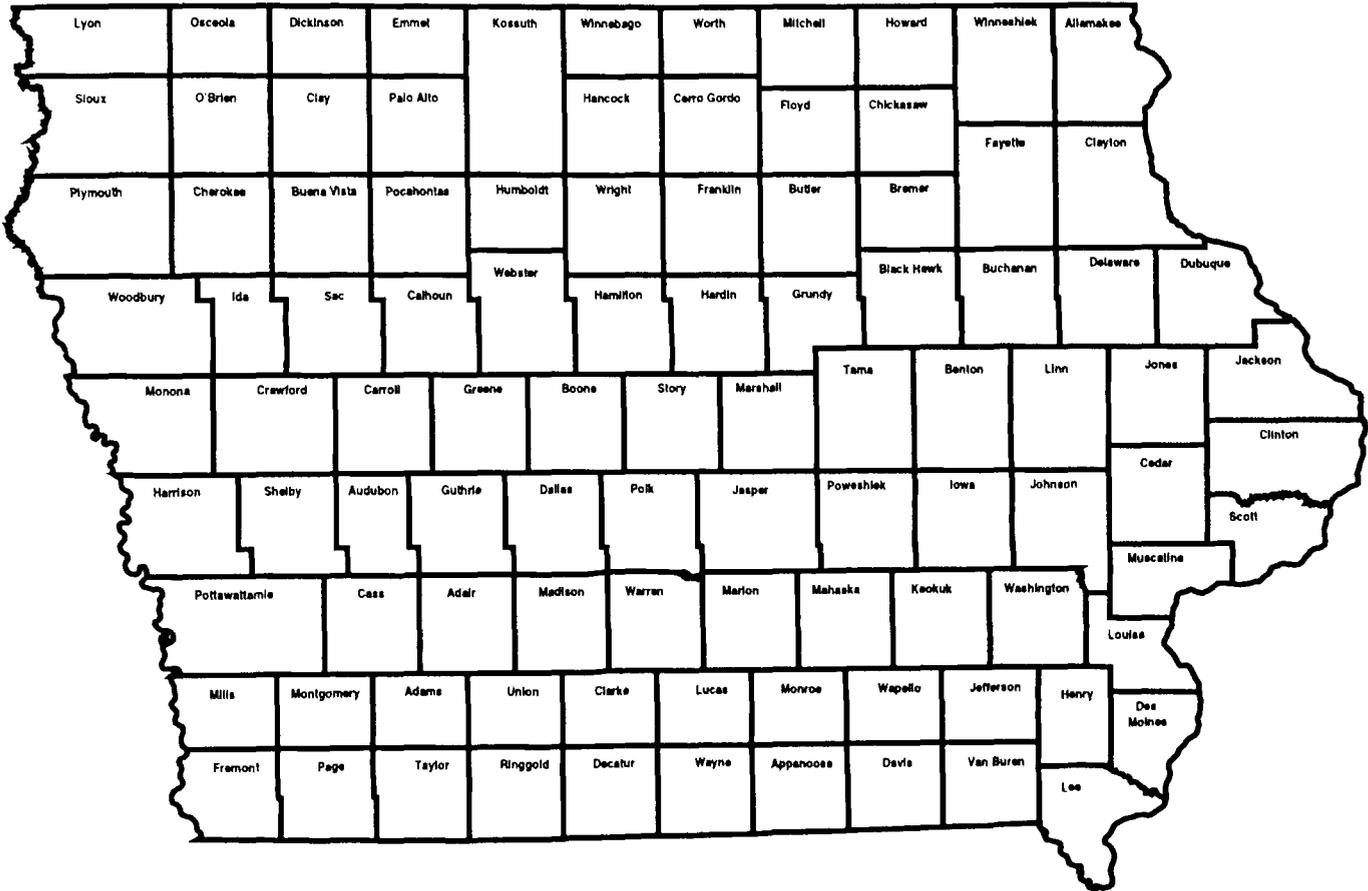
- Iowa's Counties in 1980 and 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-2. 6 pages.
- Iowa's Incorporated Places in 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-3. 22 pages.
- Iowa's Townships in 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-4. 28 pages.
- Race and Hispanic Origin in 1990 by Age (18 and Older, 17 and Younger) in Iowa's Counties. CS91-5. 10 pages.
- 1990 Census Data for the State of Iowa from Summary Tape File 1A. CS91-6. 6 pages.
- 1990 Census Data for the State of Iowa from Summary Tape File 3A. CS92-4. 16 pages.

Information for counties and incorporated places equivalent to that in CS91-6 and CS92-4 (the last two reports listed above) for 1990 is available through county extension offices. Each office has 21 pages of data for that county and 21 pages for each incorporated place within it. Field specialists with ISU Extension to Communities located throughout the state have the data for their sets of counties and incorporated places. A complete set of the pages or specialized computer runs can be obtained from Census Services; charges apply, of course.

Web Site

Check <http://socserver.soc.iastate.edu/census/> on the World Wide Web for the latest information from Census Services.

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