

IOWA STATE UNIVERSITY

University Extension



Population 18 and Older and 17 and Younger in Iowa's Counties, 2000 - 2010

May, 2011

Information about the age of Iowa's residents is included in the decennial census. Two age groups of interest are those 18 and older, which is the voting age population, and the youth population age 17 and younger. In 2010, the 18 and older group numbered 2,318,000 and made up 76.1 percent of the state's residents, an increase from 74.9 percent a decade earlier (Table 1, Figure 1). The 17 and younger group numbered 728,000 and were 23.9 percent of Iowans that year. For both age groups, in both 2000 and 2010, the proportion of each in Iowa was very similar to the percentages found for the U.S. (Table 1).

Across the 99 counties in 2010, there was a relatively small range in the percentage that were age 18 and older. The counties with the lowest percentage (70.9%; Dallas, Davis), were separated from the counties with the highest percentages (80 - 82.2%; Dickinson, Jefferson, Johnson, Story) by less than 12 percentage points. The percentages for those age 17 and younger ranged from 17.8% (Story) to 29.1% (Dallas) (Table 1, Figure 2). Among the counties with the highest percentages of 18 and older were some that were relatively rural, but there also were some with universities and colleges that had large numbers in the 19 - 22 age range that swelled the proportion of those 18 or over.

Between 2000 and 2010, the number 18 and older in Iowa increased by 125,600 (+5.7%). In contrast, the youth population declined by 5,600 (-0.8%) (Table 1, Figure 1). In those 10 years, 46 counties recorded a gain in residents age 18 and above. Dallas, Johnson, Linn, and Polk Counties each gained at least 16,000 in this age group; Polk's gain was more than 42,000. The percentage gain for Dallas County in those 18 and older exceeded 60 percent, far higher than any other county. Seven other counties in addition to

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Dallas exceeded an 11 percent increase. Fifty-six counties experienced a decline in the number of residents age 18 or older. Among these, Des Moines County had the largest numerical loss (-1,041) while Pocahontas (-11.1%) and Calhoun (-10.9%) reported the largest percentage decreases (Table 1, Figure 3).

The state's overall loss in the age 17 and under group was reflected across most counties. Between 2000 and 2010, 85 counties recorded a decline in this age group. Seven counties lost at least 1,000 youth; Cerro Gordo's decrease (-1,555) was highest. Many counties experienced significant percentage losses as well with 39 counties losing 11 percent or more of their youth. Six counties (Adams, Audubon, Calhoun, Cherokee, Jefferson, Pocahontas) declined by 20 percent or more. Of these, Pocahontas had the largest proportional loss (-28.7%) (Table 1, Figure 4). For some of these counties, the youth losses may have occurred as a result of out-migrating parents, however, for many it is a result of relatively low birth rates and an older age structure with relatively few younger adults in the child-bearing age cohorts. As the oldest youth have aged out of the age group, they have not been replaced by new births.

Although only 14 counties gained youth between 2000 and 2010, for some the increase was substantial. Five counties (Dallas, Davis, Johnson, Madison, Polk) each gained at least 10 percent. Dallas increased 67.3 percent, again far higher than any other county (Table 1, Figure 4). Numerical gains exceeded 3,000 in Johnson and Linn, 7,000 in Dallas, and more than 13,000 in Polk.

Dividing the total number of youth age 17 and younger by 18 (the number of one-year age groups¹) gives an estimated average size² of the one-year cohorts. (continued p. 3)

Figure 1. Population Age 18 and Older and 17 and Younger Iowa, 2000 - 2010
Thousands

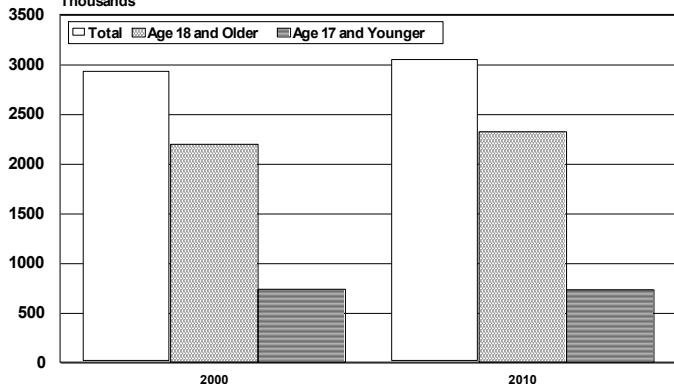


Figure 2. Percent of Population Age 17 and Younger, 2010



Table 1. Population 18 and Older and 17 and Younger in Iowa's Counties, 2000 - 2010.

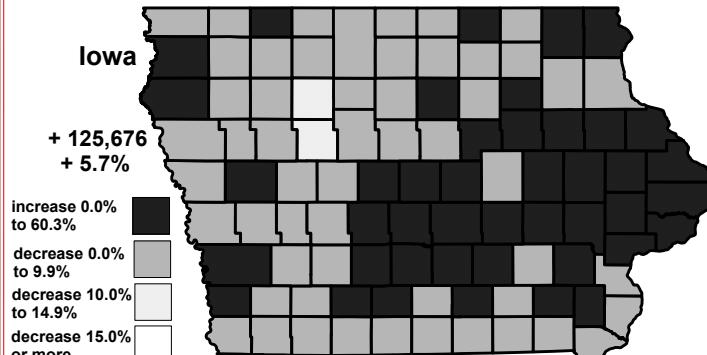
County	Total Population		Population 18 & Older				Population 17 & Younger				Population Change 2000 – 2010							
	2010	2000	2010	2000	2010	2000	2010	2000	2010	2000	Total	18 & Older	17 & Younger	Number	%	Number	%	Number
Adair	7682	8243	5957	6275	77.5	76.1	1725	1968	22.5	23.9	-561	-6.8	-318	-5.1	-243	-12.3		
Adams	4029	4482	3180	3409	78.9	76.1	849	1073	21.1	23.9	-453	-10.1	-229	-6.7	-224	-20.9		
Allamakee	14330	14675	11020	10944	76.9	74.6	3310	3731	23.1	25.4	-345	-2.4	76	0.7	-421	-11.3		
Appanoose	12887	13721	9993	10466	77.5	76.3	2894	3255	22.5	23.7	-834	-6.1	-473	-4.5	-361	-11.1		
Audubon	6119	6830	4780	5059	78.1	74.1	1339	1771	21.9	25.9	-711	-10.4	-279	-5.5	-432	-24.4		
Benton	26076	25308	19430	18384	74.5	72.6	6646	6924	25.5	27.4	768	3.0	1046	5.7	-278	-4.0		
Black Hawk	131090	128012	102594	98467	78.3	76.9	28496	29545	21.7	23.1	3078	2.4	4127	4.2	-1049	-3.6		
Boone	26306	26224	20027	19709	76.1	75.2	6279	6515	23.9	24.8	82	0.3	318	1.6	-236	-3.6		
Bremer	24276	23325	18763	17698	77.3	75.9	5513	5627	22.7	24.1	951	4.1	1065	6.0	-114	-2.0		
Buchanan	20958	21093	15282	15062	72.9	71.4	5676	6031	27.1	28.6	-135	-0.6	220	1.5	-355	-5.9		
Buena Vista	20260	20411	15204	15232	75.0	74.6	5056	5179	25.0	25.4	-151	-0.7	-28	-0.2	-123	-2.4		
Butler	14867	15305	11364	11571	76.4	75.6	3503	3734	23.6	24.4	-438	-2.9	-207	-1.8	-231	-6.2		
Calhoun	9670	11115	7618	8551	78.8	76.9	2052	2564	21.2	23.1	-1445	-13.0	-933	-10.9	-512	-20.0		
Carroll	20816	21421	15640	15652	75.1	73.1	5176	5769	24.9	26.9	-605	-2.8	-12	-0.1	-593	-10.3		
Cass	13956	14684	10768	11196	77.2	76.2	3188	3488	22.8	23.8	-728	-5.0	-428	-3.8	-300	-8.6		
Cedar	18499	18187	13962	13578	75.5	74.7	4537	4609	24.5	25.3	312	1.7	384	2.8	-72	-1.6		
Cerro Gordo	44151	46447	34660	35401	78.5	76.2	9491	11046	21.5	23.8	-2296	-4.9	-741	-2.1	-1555	-14.1		
Cherokee	12072	13035	9517	9823	78.8	75.4	2555	3212	21.2	24.6	-963	-7.4	-306	-3.1	-657	-20.5		
Chickasaw	12439	13095	9404	9672	75.6	73.9	3035	3423	24.4	26.1	-656	-5.0	-268	-2.8	-388	-11.3		
Clarke	9286	9133	6940	6731	74.7	73.7	2346	2402	25.3	26.3	153	1.7	209	3.1	-56	-2.3		
Clay	16667	17372	12837	13083	77.0	75.3	3830	4289	23.0	24.7	-705	-4.1	-246	-1.9	-459	-10.7		
Clayton	18129	18678	13925	13943	76.8	74.6	4204	4735	23.2	25.4	-549	-2.9	-18	-0.1	-531	-11.2		
Clinton	49116	50149	37526	37309	76.4	74.4	11590	12840	23.6	25.6	-1033	-2.1	217	0.6	-1250	-9.7		
Crawford	17096	16942	12580	12447	73.6	73.5	4516	4495	26.4	26.5	154	0.9	133	1.1	21	0.5		
Dallas	66135	40750	46914	29263	70.9	71.8	19221	11487	29.1	28.2	25385	62.3	17651	60.3	7734	67.3		
Davis	8753	8541	6203	6224	70.9	72.9	2550	2317	29.1	27.1	212	2.5	-21	-0.3	233	10.1		
Decatur	8457	8689	6539	6687	77.3	77.0	1918	2002	22.7	23.0	-232	-2.7	-148	-2.2	-84	-4.2		
Delaware	17764	18404	13281	13070	74.8	71.0	4483	5334	25.2	29.0	-640	-3.5	211	1.6	-851	-16.0		
Des Moines	40325	42351	30982	32023	76.8	75.6	9343	10328	23.2	24.4	-2026	-4.8	-1041	-3.3	-985	-9.5		
Dickinson	16667	16424	13440	12825	80.6	78.1	3227	3599	19.4	21.9	243	1.5	615	4.8	-372	-10.3		
Dubuque	93653	89143	71401	66364	76.2	74.4	22252	22779	23.8	25.6	4510	5.1	5037	7.6	-527	-2.3		
Emmet	10302	11027	7932	8353	77.0	75.8	2370	2674	23.0	24.2	-725	-6.6	-421	-5.0	-304	-11.4		
Fayette	20880	22008	16189	16516	77.5	75.0	4691	5492	22.5	25.0	-1128	-5.1	-327	-2.0	-801	-14.6		
Floyd	16303	16900	12412	12654	76.1	74.9	3891	4246	23.9	25.1	-597	-3.5	-242	-1.9	-355	-8.4		
Franklin	10680	10704	8133	8111	76.2	75.8	2547	2593	23.8	24.2	-24	-0.2	22	0.3	-46	-1.8		
Fremont	7441	8010	5742	6000	77.2	74.9	1699	2010	22.8	25.1	-569	-7.1	-258	-4.3	-311	-15.5		
Greene	9336	10366	7180	7711	76.9	74.4	2156	2655	23.1	25.6	-1030	-9.9	-531	-6.9	-499	-18.8		
Grundy	12453	12369	9488	9251	76.2	74.8	2965	3118	23.8	25.2	84	0.7	237	2.6	-153	-4.9		
Guthrie	10954	11353	8333	8678	76.1	76.4	2621	2675	23.9	23.6	-399	-3.5	-345	-4.0	-54	-2.0		
Hamilton	15673	16438	11904	12256	76.0	74.6	3769	4182	24.0	25.4	-765	-4.7	-352	-2.9	-413	-9.9		
Hancock	11341	12100	8683	8890	76.6	73.5	2658	3210	23.4	26.5	-759	-6.3	-207	-2.3	-552	-17.2		
Hardin	17534	18812	13486	14166	76.9	75.3	4048	4646	23.1	24.7	-1278	-6.8	-680	-4.8	-598	-12.9		
Harrison	14928	15666	11333	11558	75.9	73.8	3595	4108	24.1	26.2	-738	-4.7	-225	-1.9	-513	-12.5		
Henry	20145	20336	15476	15318	76.8	75.3	4669	5018	23.2	24.7	-191	-0.9	158	1.0	-349	-7.0		
Howard	9566	9932	7154	7317	74.8	73.7	2412	2615	25.2	26.3	-366	-3.7	-163	-2.2	-203	-7.8		
Humboldt	9815	10381	7557	7801	77.0	75.1	2258	2580	23.0	24.9	-566	-5.5	-244	-3.1	-322	-12.5		
Ida	7089	7837	5391	5839	76.0	74.5	1698	1998	24.0	25.5	-748	-9.5	-448	-7.7	-300	-15.0		
Iowa	16355	15671	12338	11533	75.4	73.6	4017	4138	24.6	26.4	684	4.4	805	7.0	-121	-2.9		
Jackson	19848	20296	15243	15025	76.8	74.0	4605	5271	23.2	26.0	-448	-2.2	218	1.5	-666	-12.6		
Jasper	36842	37213	28425	28040	77.2	75.4	8417	9173	22.8	24.6	-371	-1.0	385	1.4	-756	-8.2		
Jefferson	16843	16181	13777	12235	81.8	75.6	3066	3946	18.2	24.4	662	4.1	1542	12.6	-880	-22.3		
Johnson	130882	111006	104964	88694	80.2	79.9	25918	22312	19.8	20.1	19876	17.9	16270	18.3	3606	16.2		
Jones	20638	20221	16012	15347	77.6	75.9	4626	4874	22.4	24.1	417	2.1	665	4.3	-248	-5.1		
Keokuk	10511	11400	8069	8469	76.8	74.3	2442	2931	23.2	25.7	-889	-7.8	-400	-4.7	-489	-16.7		
Kossuth	15543	17163	11988	12728	77.1	74.2	3555	4435	22.9	25.8	-1620	-9.4	-740	-5.8	-880	-19.8		
Lee	35862	38052	27901	28779	77.8	75.6	7961	9273	22.2	24.4	-2190	-5.8	-878	-3.1	-1312	-14.1		
Linn	211226	191701	159379	143279	75.5	74.7	51847	48422	24.5	25.3	19525	10.2	16100	11.2	3425	7.1		
Louisa	11387	12183	8444	8803	74.2	72.3	2943	3380	25.8	27.7	-796	-6.5	-359	-4.1	-437	-12.9		
Lucas	8898	9422	6723	7030	75.6	74.6	2175	2392	24.4	25.4	-524	-5.6	-307	-4.4	-217	-9.1		
Lyon	11581	11763	8376	8470	72.3	72.0	3205	3293	27.7	28.0	-182	-1.5	-94	-1.1	-88	-2.7		
Madison	15679	14019	11411	10217	72.8	72.9	4268	3802	27.2	27.1	1660	11.8	1194	11.7	466	12.3		
Mahaska	22381	22335	16940	16593	75.7	74.3	5441	5742	24.3	25.7	46	0.2	347	2.1	-301	-5.2		
Marion	33309	32052	24947	23927	74.9	74.7	8362	8125	25.1	25.3	1257	3.9	1020	4.3	237	2.9		
Marshall	40648	39311	30344	29381	74.7	74.7	10304	9930	25.3	25.3	1337	3.4	963	3.3	374	3.8		

Table 1. Population 18 and Older and 17 and Younger in Iowa's Counties, 2000 - 2010 (continued).

County	Total Population		Population 18 & Older				Population 17 & Younger				Population Change 2000 – 2010					
			Number		% of Total		Number		% of Total		Total		18 & Older		17 & Younger	
	2010	2000	2010	2000	2010	2000	2010	2000	2010	2000	Number	%	Number	%	Number	%
Mills	15059	14547	11240	10655	74.6	73.2	3819	3892	25.4	26.8	512	3.5	585	5.5	-73	-1.9
Mitchell	10776	10874	8112	7989	75.3	73.5	2664	2885	24.7	26.5	-98	-0.9	123	1.5	-221	-7.7
Monona	9243	10020	7195	7693	77.8	76.8	2048	2327	22.2	23.2	-777	-7.8	-498	-6.5	-279	-12.0
Monroe	7970	8016	6045	5984	75.8	74.7	1925	2032	24.2	25.3	-46	-0.6	61	1.0	-107	-5.3
Montgomery	10740	11771	8229	8830	76.6	75.0	2511	2941	23.4	25.0	-1031	-8.8	-601	-6.8	-430	-14.6
Muscatine	42745	41722	31581	30503	73.9	73.1	11164	11219	26.1	26.9	1023	2.5	1078	3.5	-55	-0.5
O'Brien	14398	15102	11005	11360	76.4	75.2	3393	3742	23.6	24.8	-704	-4.7	-355	-3.1	-349	-9.3
Osceola	6462	7003	4972	5177	76.9	73.9	1490	1826	23.1	26.1	-541	-7.7	-205	-4.0	-336	-18.4
Page	15932	16976	12426	13028	78.0	76.7	3506	3948	22.0	23.3	-1044	-6.1	-602	-4.6	-442	-11.2
Palo Alto	9421	10147	7353	7707	78.0	76.0	2068	2440	22.0	24.0	-726	-7.2	-354	-4.6	-372	-15.2
Plymouth	24986	24849	18502	17811	74.0	71.7	6484	7038	26.0	28.3	137	0.6	691	3.9	-554	-7.9
Pocahontas	7310	8662	5741	6460	78.5	74.6	1569	2202	21.5	25.4	-1352	-15.6	-719	-11.1	-633	-28.7
Polk	430640	374601	320715	278301	74.5	74.3	109925	96300	25.5	25.7	56039	15.0	42414	15.2	13625	14.1
Pottawattamie	93158	87704	70679	64891	75.9	74.0	22479	22813	24.1	26.0	5454	6.2	5788	8.9	-334	-1.5
Poweshiek	18914	18815	14962	14553	79.1	77.3	3952	4262	20.9	22.7	99	0.5	409	2.8	-310	-7.3
Ringgold	5131	5469	3888	4154	75.8	76.0	1243	1315	24.2	24.0	-338	-6.2	-266	-6.4	-72	-5.5
Sac	10350	11529	8025	8750	77.5	75.9	2325	2779	22.5	24.1	-1179	-10.2	-725	-8.3	-454	-16.3
Scott	165224	158668	124658	116653	75.4	73.5	40566	42015	24.6	26.5	6556	4.1	8005	6.9	-1449	-3.4
Shelby	12167	13173	9301	9696	76.4	73.6	2866	3477	23.6	26.4	-1006	-7.6	-395	-4.1	-611	-17.6
Sioux	33704	31589	24657	23022	73.2	72.9	9047	8567	26.8	27.1	2115	6.7	1635	7.1	480	5.6
Story	89542	79981	73589	64733	82.2	80.9	15953	15248	17.8	19.1	9561	12.0	8856	13.7	705	4.6
Tama	17767	18103	13227	13295	74.4	73.4	4540	4808	25.6	26.6	-336	-1.9	-68	-0.5	-268	-5.6
Taylor	6317	6958	4841	5293	76.6	76.1	1476	1665	23.4	23.9	-641	-9.2	-452	-8.5	-189	-11.4
Union	12534	12309	9598	9442	76.6	76.7	2936	2867	23.4	23.3	225	1.8	156	1.7	69	2.4
Van Buren	7570	7809	5748	5875	75.9	75.2	1822	1934	24.1	24.8	-239	-3.1	-127	-2.2	-112	-5.8
Wapello	35625	36051	27506	27654	77.2	76.7	8119	8397	22.8	23.3	-426	-1.2	-148	-0.5	-278	-3.3
Warren	46225	40671	34207	29686	74.0	73.0	12018	10985	26.0	27.0	55554	13.7	4521	15.2	1033	9.4
Washington	21704	20670	16245	15281	74.8	73.9	5459	5389	25.2	26.1	1034	5.0	964	6.3	70	1.3
Wayne	6403	6730	4903	5124	76.6	76.1	1500	1606	23.4	23.9	-327	-4.9	-221	-4.3	-106	-6.6
Webster	38013	40235	29594	30388	77.9	75.5	8419	9847	22.1	24.5	-2222	-5.5	-794	-2.6	-1428	-14.5
Winnebago	10866	11723	8512	8899	78.3	75.9	2354	2824	21.7	24.1	-857	-7.3	-387	-4.3	-470	-16.6
Winneshiek	21056	21310	16759	16410	79.6	77.0	4297	4900	20.4	23.0	-254	-1.2	349	2.1	-603	-12.3
Woodbury	102172	103877	74958	75487	73.4	72.7	27214	28390	26.6	27.3	-1705	-1.6	-529	-0.7	-1176	-4.1
Worth	7598	7909	5841	5988	76.9	75.7	1757	1921	23.1	24.3	-311	-3.9	-147	-2.5	-164	-8.5
Wright	13229	14334	10143	10827	76.7	75.5	3086	3507	23.3	24.5	-1105	-7.7	-684	-6.3	-421	-12.0
State of Iowa	3046355	2926324	2318362	2192686	76.1	74.9	727993	733638	23.9	25.1	120031	4.1	125676	5.7	-5645	-0.8
United States					76.0	74.3			24.0	25.7		9.7		12.2		2.6

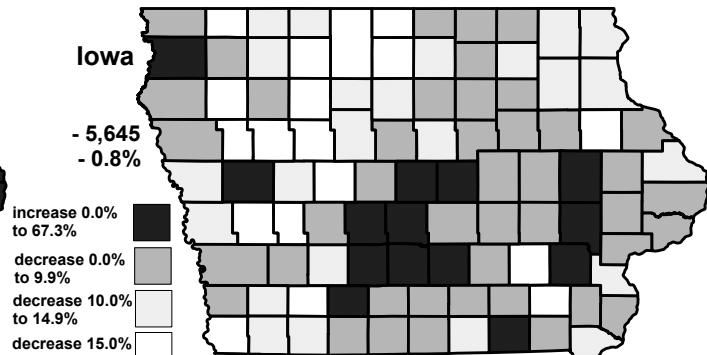
Source: U.S. Bureau of the Census, Decennial Census 2000 - 2010

Figure 3. Population Change Age 18 and Older, 2000 - 2010



In 2010, there was an estimated average of 40,444 youth in each age group from infants younger than one through those age 17 (Table 2, Figure 5). For the counties, the average size of a youth one-year age group ranged from 47 (Adams) to 6,107 (Polk) and declined in 85 counties between 2000 and 2010. Cerro Gordo and Scott each lost an average of 80 youth per one-year cohort; 42 other counties declined by 20 or more (Table 2). A loss of 25 youth in each one-year age group might translate into a loss of one classroom per grade in the schools. The counties with youth losses stand in stark

Figure 4. Population Change Age 17 and Younger, 2000 - 2010



contrast to some with gains. Polk (+757), Dallas (+430), Johnson (+200), and Linn (+190) each registered large gains in the average size of their youth one-year cohorts which will significantly impact schools in those locations (Table 2).

¹Within the age group of 17 and younger there are 18 one-year age cohorts, one each for 1 year olds, 2 year olds, etc. through 17 year olds plus one for those younger than one.

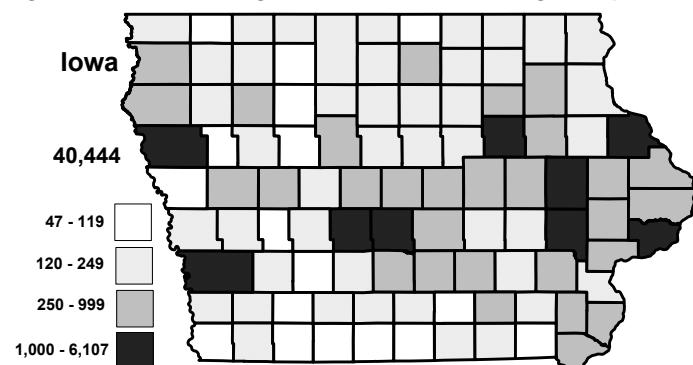
²This is an estimated average size and does not indicate the size of any specific one-year age group.

Table 2. Estimated Average Size¹ of Youth (Age 17 and Younger) One-Year Age Groups in Iowa's Counties, 2000 - 2010.

County	2010	2000	Change 2000 - 2010	County	2010	2000	Change 2000 - 2010
Adair	96	109	-14	Lyon	178	183	-5
Adams	47	60	-12	Madison	237	211	26
Allamakee	184	207	-23	Mahaska	302	319	-17
Appanoose	161	181	-20	Marion	465	451	13
Audubon	74	98	-24	Marshall	572	552	21
Benton	369	385	-15	Mills	212	216	-4
Black Hawk	1583	1641	-58	Mitchell	148	160	-12
Boone	349	362	-13	Monona	114	129	-16
Bremer	306	313	-6	Monroe	107	113	-6
Buchanan	315	335	-20	Montgomery	140	163	-24
Buena Vista	281	288	-7	Muscatine	620	623	-3
Butler	195	207	-13	O'Brien	189	208	-19
Calhoun	114	142	-28	Osceola	83	101	-19
Carroll	288	321	-33	Page	195	219	-25
Cass	177	194	-17	Palo Alto	115	136	-21
Cedar	252	256	-4	Plymouth	360	391	-31
Cerro Gordo	527	614	-86	Pocahontas	87	122	-35
Cherokee	142	178	-37	Polk	6107	5350	757
Chickasaw	169	190	-22	Pottawattamie	1249	1267	-19
Clarke	130	133	-3	Poweshiek	220	237	-17
Clay	213	238	-26	Ringgold	69	73	-4
Clayton	234	263	-30	Sac	129	154	-25
Clinton	644	713	-69	Scott	2254	2334	-81
Crawford	251	250	1	Shelby	159	193	-34
Dallas	1068	638	430	Sioux	503	476	27
Davis	142	129	13	Story	886	847	39
Decatur	107	111	-5	Tama	252	267	-15
Delaware	249	296	-47	Taylor	82	93	-11
Des Moines	519	574	-55	Union	163	159	4
Dickinson	179	200	-21	Van Buren	101	107	-6
Dubuque	1236	1266	-29	Wapello	451	467	-15
Emmet	132	149	-17	Warren	668	610	57
Fayette	261	305	-45	Washington	303	299	4
Floyd	216	236	-20	Wayne	83	89	-6
Franklin	142	144	-3	Webster	468	547	-79
Fremont	94	112	-17	Winnebago	131	157	-26
Greene	120	148	-28	Winneshiek	239	272	-34
Grundy	165	173	-9	Woodbury	1512	1577	-65
Guthrie	146	149	-3	Worth	98	107	-9
Hamilton	209	232	-23	Wright	171	195	-23
Hancock	148	178	-31	State of Iowa	40444	40758	-314
Hardin	225	258	-33				
Harrison	200	228	-29				
Henry	259	279	-19				
Howard	134	145	-11				
Humboldt	125	143	-18				
Ida	94	111	-17				
Iowa	223	230	-7				
Jackson	256	293	-37				
Jasper	468	510	-42				
Jefferson	170	219	-49				
Johnson	1440	1240	200				
Jones	257	271	-14				
Keokuk	136	163	-27				
Kossuth	198	246	-49				
Lee	442	515	-73				
Linn	2880	2690	190				
Louisa	164	188	-24				
Lucas	121	133	-12				

¹Average Size = Total Age 17 and Younger/18

Figure 5. Estimated Average Size* of Youth One-Year Age Groups, 2010



*Average Size = Total Age 17 and Younger/18