

## Demographics

Many of the health indicators in the 2001 Iowa Health Fact Book are presented with rates calculated using the population of the county and state. These rates are also stratified into population subgroups based on the average annual size of the county from 1990 to 1998. This not only contrasts the rural and urban aspects of the state but also includes trends in age and ethnic distribution of the population. The Year 2000 US standard population age distribution is used for calculating age-adjusted rates. Population estimates have been obtained from the US Census. Estimates are used for each year and year groupings where appropriate.

Using the average annual population from 1990-1998 there were 18 counties with less than 10,000 population, 48 counties with 10,000 to 20,000 residents, 23 counties with 20,000 to 50,000 residents, and 10 Metropolitan Statistical Area (MSA) counties. The distribution of the population by age is different between the county groupings. The larger size counties have a greater percentage of their population as young adults (15-44 years) compared to the small counties. The small counties have a larger percentage of persons 65 years of age or older. These differences in age distribution are standardized through age-adjustment so risk factors other than age can be compared. As shown, the population of the state is also becoming older and the percentage is increasing in the larger counties. Overall, the population of the state has shown a 5.4% increase over the 10-year period between the 1990 and recently completed 2000 census.

### *KEY CHANGES IN IOWA DEMOGRAPHICS...*

- Increasing age of the population
- Increasing urbanization
- Growing ethnic populations

## State Population Distributions

	County	Average Annual Population 1990-1998			Average Annual Population	Census Population Data			
		Male	Female	Total	1997-1999	April 1 1990	April 1 2000	Percent Change	
<b>Counties with 1990-1998 Average Annual Population &lt;10,000</b>	Adair	4,007	4,280	8,287	8,105	8,409	8,243	-2.0	
	Adams	2,244	2,325	4,569	4,399	4,866	4,482	-7.9	
	Audubon	3,367	3,633	7,000	6,812	7,334	6,830	-6.9	
	Clarke	3,947	4,313	8,260	8,268	8,287	9,133	10.2	
	Davis	4,111	4,284	8,396	8,480	8,312	8,541	2.8	
	Decatur	3,963	4,219	8,182	8,237	8,338	8,689	4.2	
	Fremont	3,822	4,221	8,043	7,761	8,226	8,010	-2.6	
	Howard	4,783	5,004	9,787	9,649	9,809	9,932	1.3	
	Ida	3,972	4,224	8,196	7,954	8,365	7,837	-6.3	
	Lucas	4,324	4,736	9,060	9,113	9,070	9,422	3.9	
	Monroe	3,929	4,201	8,130	8,044	8,114	8,016	-1.2	
	Osceola	3,478	3,657	7,135	6,974	7,267	7,003	-3.6	
	Pocahontas	4,428	4,701	9,129	8,807	9,525	8,662	-9.1	
	Ringgold	2,553	2,812	5,366	5,362	5,420	5,469	0.9	
	Taylor	3,383	3,727	7,110	7,098	7,114	6,958	-2.2	
	<b>Group Totals 1990-98</b>	Van Buren	3,840	3,920	7,760	7,853	7,676	7,809	1.7
	Male 67,253	Wayne	3,283	3,612	6,896	6,678	7,067	6,730	-4.8
Female 71,913	Worth	3,818	4,041	7,860	7,724	7,991	7,909	-1.0	
All 139,166									
<b>1997-99</b>									
All 137,318									
<b>Counties with 1990-1998 Average Annual Population 10,000 to 20,000</b>	Allamakee	6,890	7,104	13,993	14,042	13,855	14,675	5.9	
	Appanoose	6,536	7,132	13,668	13,508	13,743	13,721	-0.2	
	Buena Vista	9,684	10,209	19,893	19,484	19,965	20,411	2.2	
	Butler	7,711	8,014	15,725	15,618	15,731	15,305	-2.7	
	Calhoun	5,596	5,910	11,506	11,380	11,508	11,115	-3.4	
	Cass	7,137	7,806	14,943	14,633	15,128	14,684	-2.9	
	Cedar	8,634	9,030	17,663	18,001	17,381	18,187	4.6	
	Cherokee	6,622	7,102	13,724	13,204	14,098	13,035	-7.5	
	Chickasaw	6,645	6,705	13,350	13,425	13,295	13,095	-1.5	
	Clay	8,412	9,198	17,611	17,438	17,585	17,372	-1.2	
	Clayton	9,274	9,543	18,817	18,695	19,054	18,678	-2.0	
	Crawford	8,086	8,455	16,541	16,452	16,775	16,942	1.0	
	Delaware	9,024	9,299	18,323	18,489	18,035	18,404	2.0	
	Dickinson	7,463	8,062	15,525	16,181	14,909	16,424	10.2	
	Emmet	5,439	5,838	11,277	10,816	11,569	11,027	-4.7	
	Floyd	7,957	8,750	16,707	16,373	17,058	16,900	-0.9	
	Franklin	5,372	5,729	11,101	10,852	11,364	10,704	-5.8	
	Greene	4,819	5,246	10,066	10,059	10,045	10,366	3.2	
	Grundy	5,847	6,291	12,139	12,272	12,029	12,369	2.8	
	Guthrie	5,421	5,844	11,266	11,524	10,935	11,353	3.8	
	Hamilton	7,803	8,267	16,070	15,985	16,071	16,438	2.3	
	Hancock	5,973	6,249	12,221	12,030	12,638	12,100	-4.3	
	Hardin	9,070	9,630	18,700	18,334	19,094	18,812	-1.5	
	Harrison	7,230	7,737	14,967	15,280	14,730	15,666	6.4	
	Henry	9,947	9,736	19,683	20,000	19,226	20,336	5.8	
	Humboldt	5,098	5,381	10,479	10,304	10,756	10,381	-3.5	
	Iowa	7,311	7,738	15,049	15,545	14,630	15,671	7.1	
Jefferson	8,176	8,545	16,721	16,956	16,310	16,181	-0.8		
Jones	10,381	9,591	19,972	20,189	19,444	20,221	4.0		
Keokuk	5,645	5,924	11,569	11,435	11,624	11,400	-1.9		
Kossuth	8,838	9,279	18,117	17,753	18,591	17,163	-7.7		
Louisa	5,906	5,843	11,750	11,925	11,592	12,183	5.1		

## State Population Distributions *(continued)*

	County	Average Annual Population 1990-1998			Average Annual Population 1997-1999	Census Population Data		
		Male	Female	Total		April 1 1990	April 1 2000	Percent Change
<b>Counties with 1990-1998 Average Annual Population 10,000 to 20,000</b> <i>(continued)</i>	Lyon	5,863	6,083	11,946	12,011	11,952	11,763	-1.6
	Madison	6,444	6,718	13,162	13,911	12,483	14,019	12.3
	Mills	6,787	6,915	13,702	14,509	13,202	14,547	10.2
	Mitchell	5,350	5,652	11,002	11,073	10,928	10,874	-0.5
	Monona	4,796	5,268	10,064	10,098	10,034	10,020	-0.1
	Montgomery	5,661	6,278	11,939	11,802	12,076	11,771	-2.5
	O'Brien	7,356	7,889	15,245	14,830	15,444	15,102	-2.2
	Page	8,379	8,549	16,928	17,245	16,870	16,976	0.6
	Palo Alto	5,004	5,323	10,327	10,019	10,669	10,147	-4.9
	Poweshiek	9,116	9,801	18,917	18,795	19,033	18,815	-1.1
	Sac	5,898	6,172	12,070	11,857	12,324	11,529	-6.5
	Shelby	6,423	6,702	13,125	12,929	13,230	13,173	-0.4
	Tama	8,542	9,064	17,606	17,745	17,419	18,103	3.9
	Union	5,936	6,622	12,558	12,544	12,750	12,309	-3.5
Winnebago	5,812	6,153	11,965	11,990	12,122	11,723	-3.3	
Wright	6,787	7,420	14,207	14,022	14,269	14,334	0.5	
<b>Counties with 1990-1998 Average Annual Population &gt;20,000</b>	Benton	11,731	12,120	23,851	25,394	22,429	25,308	12.8
	Boone	12,254	13,308	25,562	26,197	25,186	26,224	4.1
	Bremer	11,269	11,868	23,137	23,362	22,813	23,325	2.2
	Buchanan	10,373	10,720	21,093	21,158	20,844	21,093	1.2
	Carroll	10,417	11,116	21,533	21,586	21,423	21,421	0.0
	Cerro Gordo	22,050	24,517	46,567	46,019	46,733	46,447	-0.6
	Clinton	24,406	26,342	50,748	49,879	51,040	50,149	-1.7
	Des Moines	20,363	22,192	42,554	42,040	42,614	42,351	-0.6
	Fayette	10,697	11,230	21,927	21,756	21,843	22,008	0.8
	Jackson	9,887	10,195	20,082	20,125	19,950	20,296	1.7
	Jasper	17,356	17,923	35,279	36,327	34,795	37,213	6.9
	Lee	19,109	19,708	38,816	38,487	38,687	38,052	-1.6
	Mahaska	10,589	11,101	21,689	21,888	21,522	22,335	3.8
	Marion	15,253	15,413	30,667	31,323	30,001	32,052	6.8
	Marshall	18,797	19,563	38,360	38,766	38,276	39,311	2.7
	Muscatine	20,034	20,765	40,799	41,029	39,907	41,722	4.5
	Plymouth	11,860	12,269	24,129	24,707	23,388	24,849	6.2
	Sioux	15,000	15,833	30,833	31,357	29,903	31,589	5.6
	Story	38,470	35,957	74,427	75,057	74,252	79,981	7.7
Wapello	17,113	18,607	35,720	35,443	35,687	36,051	1.0	
Washington	9,849	10,508	20,358	20,990	19,612	20,670	5.4	
Webster	18,908	20,630	39,538	38,832	40,342	40,235	-0.3	
Winnesiek	10,257	10,682	20,940	20,902	20,847	21,310	2.2	
<b>MSA Counties</b>	Black Hawk	58,711	64,387	123,098	120,742	123,798	128,012	3.4
	Dallas	16,160	16,738	32,898	36,953	29,755	40,750	37.0
	Dubuque	42,513	45,217	87,730	88,059	86,403	89,143	3.2
	Johnson	49,587	50,124	99,711	102,763	96,119	111,006	15.5
	Linn	85,841	90,624	176,465	183,071	168,767	191,701	13.6
	Polk	165,026	180,492	345,518	360,210	327,140	374,601	14.5
	Pottawattamie	40,395	43,568	83,963	85,978	82,628	87,704	6.1
	Scott	75,553	80,142	155,695	158,512	150,979	158,668	5.1
	Warren	18,696	19,582	38,278	40,202	36,033	40,671	12.9
	Woodbury	48,809	52,011	100,820	101,615	98,276	103,877	5.7
	<b>State of Iowa</b>		1,372,689	1,453,157	2,825,847	2,861,611	2,776,755	2,926,324

## Average Annual Population Distribution by Age 1990 - 1998

		% <5 years	% 5-14 years	% 15-24 years	% 25-44 years	% 45-64 years	% 65-84 years	% 85+ years
<b>Counties with 1990-1998 Average Annual Population &lt;10,000</b>	Adair	6.2	14.4	10.4	24.6	21.6	19.2	3.6
	Adams	6.5	12.9	10.4	25.0	23.1	18.9	3.3
	Audubon	6.4	14.1	9.7	23.7	22.5	19.7	3.8
	Clarke	6.4	14.7	11.3	27.3	21.5	15.8	3.0
	Davis	6.9	15.2	12.0	26.3	21.4	15.2	2.9
	Decatur	5.8	12.7	18.8	22.9	19.8	16.5	3.4
	Fremont	5.9	15.2	10.9	25.5	21.6	18.2	2.8
	Howard	6.5	15.5	10.3	25.1	21.2	18.0	3.4
	Ida	7.0	15.7	10.3	26.2	20.1	17.4	3.3
	Lucas	5.9	13.9	11.0	25.5	23.1	17.5	3.0
	Monroe	5.9	15.0	11.4	26.1	21.8	16.6	3.1
	Osceola	6.8	15.2	11.7	26.0	21.0	15.8	3.4
	Pocahontas	6.5	14.7	9.1	25.1	22.6	18.5	3.5
	Ringgold	5.2	13.8	9.6	23.7	23.1	20.9	3.7
	Taylor	5.7	15.1	10.5	24.3	21.6	19.5	3.4
	Van Buren	6.8	14.8	10.9	25.7	21.9	17.3	2.6
	Wayne	6.0	13.2	9.7	23.7	21.8	21.2	4.5
Worth	6.0	14.3	10.8	26.4	22.0	16.9	3.5	
<b>Counties with 1990-1998 Average Annual Population 10,000 to 20,000</b>	Allamakee	6.7	15.3	11.4	26.5	20.9	16.2	3.0
	Appanoose	6.0	14.3	12.0	25.9	21.0	17.9	2.9
	Buena Vista	6.7	14.5	15.5	26.6	18.5	15.6	2.7
	Butler	5.9	15.1	11.1	26.3	20.9	17.8	2.9
	Calhoun	5.8	14.3	9.8	25.9	21.4	19.3	3.6
	Cass	6.1	14.7	10.3	26.4	21.6	17.9	3.0
	Cedar	6.1	15.6	11.0	28.9	21.1	14.8	2.5
	Cherokee	6.4	15.2	10.7	26.5	22.0	16.3	2.8
	Chickasaw	6.5	16.1	11.6	26.9	21.2	15.3	2.4
	Clay	6.8	15.8	11.4	28.8	20.3	14.5	2.5
	Clayton	6.6	15.8	11.5	26.6	21.2	15.8	2.5
	Crawford	6.7	15.0	12.9	26.6	21.3	15.0	2.6
	Delaware	7.3	17.9	12.2	27.7	20.2	12.8	2.0
	Dickinson	5.3	13.6	10.0	27.1	23.2	18.3	2.5
	Emmet	5.7	15.3	13.8	25.3	20.3	16.7	2.9
	Floyd	6.1	14.6	11.8	25.3	22.5	16.9	2.9
	Franklin	6.1	14.8	10.3	26.9	21.8	17.1	3.0
	Greene	5.9	14.3	10.0	25.5	21.9	19.2	3.2
	Grundy	6.1	14.5	10.3	26.5	22.7	17.5	2.4
	Guthrie	5.4	14.7	10.2	25.4	23.9	17.4	3.1
	Hamilton	6.2	14.3	11.1	28.0	22.0	16.0	2.5
	Hancock	6.7	16.0	11.0	27.7	20.1	16.1	2.5
	Hardin	5.6	14.0	12.4	25.6	21.0	18.1	3.4
	Harrison	6.6	15.2	11.6	26.5	21.4	15.7	3.0
	Henry	6.3	14.1	14.2	29.9	19.6	13.4	2.5
	Humboldt	6.1	14.6	10.1	25.8	22.2	18.6	2.7
	Iowa	6.9	14.4	10.6	28.6	21.4	15.3	2.7
Jefferson	6.2	14.0	10.8	35.7	19.4	12.0	2.0	
Jones	6.1	14.4	13.2	29.7	20.5	13.9	2.1	
Keokuk	6.1	15.2	10.8	26.2	21.4	17.2	3.1	
Kossuth	6.5	16.0	10.5	26.2	21.6	16.2	2.9	
Louisa	6.6	15.6	13.4	28.9	20.7	12.6	2.2	

## Average Annual Population Distribution by Age *(continued)*

### 1990 - 1998

		%	%	%	%	%	%	%
County		<5	5-14	15-24	25-44	45-64	65-84	85+
		years	years	years	years	years	years	years
<b>Counties with 1990-1998 Average Annual Population 10,000 to 20,000</b> <i>(continued)</i>	Lyon	7.5	17.3	11.6	25.5	20.2	15.2	2.7
	Madison	6.5	15.9	12.0	28.1	21.0	13.9	2.6
	Mills	6.1	15.9	12.4	31.3	21.0	11.6	1.7
	Mitchell	6.2	14.5	11.2	24.5	21.9	17.8	3.8
	Monona	5.5	14.2	9.9	24.1	22.6	19.9	3.8
	Montgomery	5.8	14.1	11.0	26.9	20.8	17.8	3.5
	O'Brien	6.2	15.5	11.1	25.7	20.7	17.4	3.4
	Page	5.5	14.1	11.8	27.1	21.0	17.3	3.2
	Palo Alto	6.0	15.5	11.9	23.8	21.8	17.6	3.6
	Poweshiek	5.8	13.7	16.7	26.4	20.2	14.7	2.6
	Sac	6.4	15.5	9.9	25.1	21.0	18.4	3.7
	Shelby	6.3	15.4	10.9	25.5	21.2	17.6	3.1
	Tama	6.2	14.8	11.6	25.7	22.4	16.2	3.1
	Union	6.0	14.8	13.1	27.3	20.2	15.6	3.0
Winnebago	6.3	14.3	13.3	26.9	19.7	16.6	2.9	
Wright	6.3	13.6	10.4	26.1	21.4	18.6	3.5	
<b>Counties with 1990-1998 Average Annual Population &gt;20,000</b>	Benton	7.1	15.8	11.9	28.5	20.9	14.0	1.9
	Boone	6.3	14.0	11.4	29.7	21.2	14.3	3.0
	Bremer	5.6	14.4	16.2	26.1	21.2	13.9	2.4
	Buchanan	7.4	17.6	12.4	27.5	19.8	13.6	1.7
	Carroll	7.5	17.0	11.5	26.3	19.6	15.3	2.8
	Cerro Gordo	6.4	13.7	12.6	29.2	20.5	15.1	2.4
	Clinton	6.6	14.9	12.6	28.7	21.1	14.1	2.0
	Des Moines	6.3	14.5	12.5	28.9	21.4	14.1	2.2
	Fayette	6.5	14.8	12.8	26.1	21.1	16.2	2.6
	Jackson	6.7	15.8	12.3	26.7	21.8	14.5	2.1
	Jasper	6.0	14.3	12.0	29.0	22.4	14.3	2.0
	Lee	6.3	14.6	12.1	29.3	21.3	14.3	2.1
	Mahaska	6.9	14.8	13.4	28.1	19.7	14.8	2.3
	Marion	6.3	14.6	15.2	27.5	20.2	14.0	2.1
	Marshall	6.2	14.0	12.2	28.8	21.6	14.8	2.4
	Muscatine	7.2	15.8	13.6	30.5	19.6	11.5	1.9
	Plymouth	7.0	16.9	12.9	26.6	20.4	13.9	2.4
	Sioux	7.3	17.3	17.4	25.0	18.1	12.9	2.0
	Story	5.7	10.9	30.5	28.1	14.7	8.6	1.5
	Wapello	6.2	13.3	13.0	27.7	21.6	15.9	2.4
Washington	7.0	15.0	11.5	28.4	20.1	15.1	2.9	
Webster	6.9	14.5	12.6	27.5	20.9	15.0	2.7	
Winneshiek	6.3	13.6	20.5	25.4	18.7	13.3	2.3	
<b>MSA Counties</b>	Black Hawk	6.3	14.4	17.2	28.4	19.7	12.3	1.7
	Dallas	6.8	16.2	11.5	31.3	20.5	11.8	1.9
	Dubuque	6.6	15.2	15.2	28.7	19.9	12.5	1.9
	Johnson	6.2	10.8	26.9	34.4	14.0	6.7	1.0
	Linn	6.7	13.7	14.9	31.9	20.4	10.8	1.5
	Polk	7.3	13.5	14.6	33.7	19.5	10.0	1.4
	Pottawattamie	7.2	15.0	13.3	29.7	21.2	12.1	1.6
	Scott	7.4	15.5	14.2	31.7	19.6	10.3	1.3
	Warren	6.8	15.8	15.1	30.4	20.8	9.6	1.6
	Woodbury	7.4	15.9	14.0	29.5	18.9	12.3	1.9

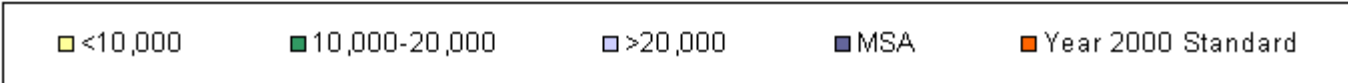
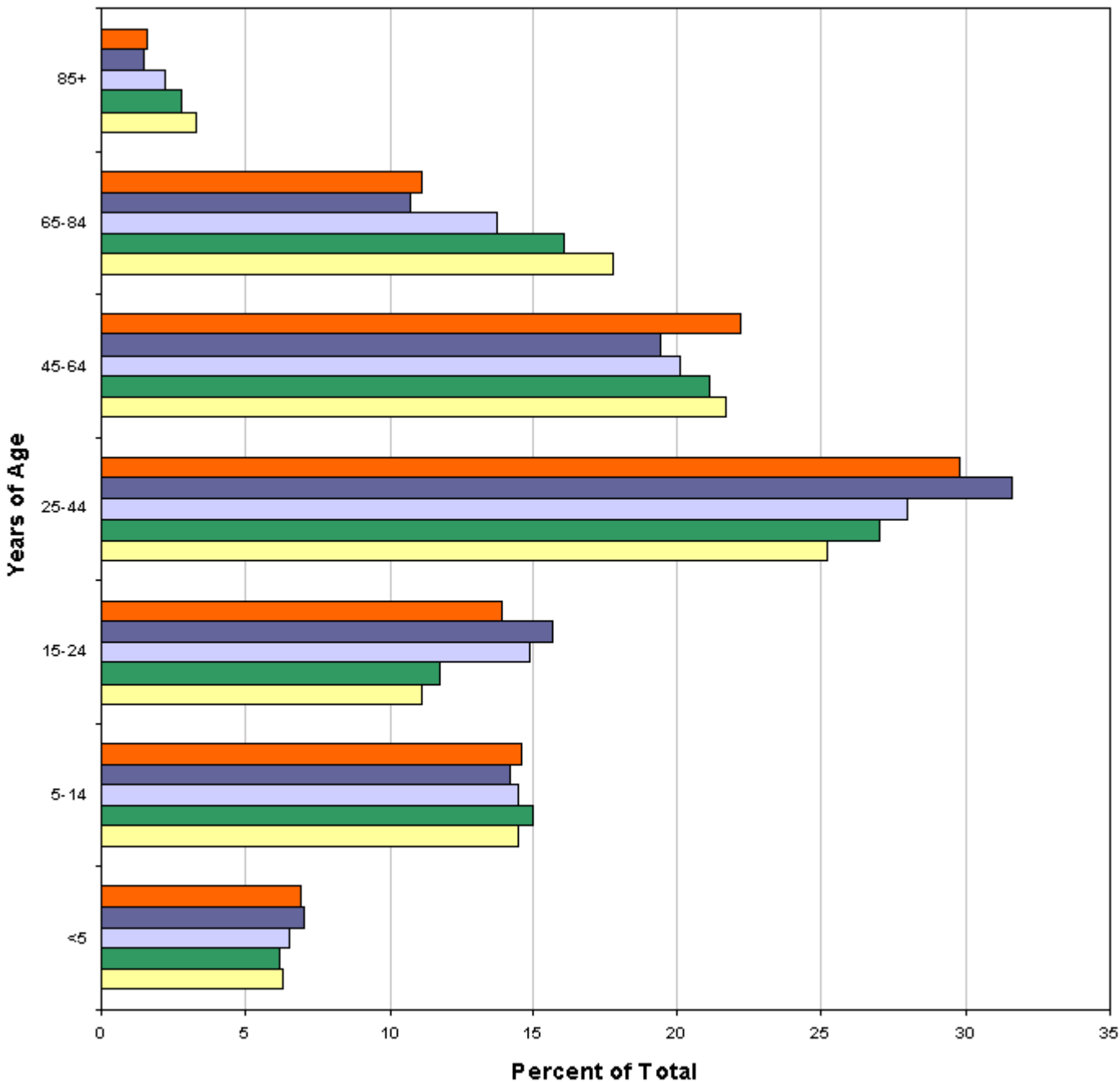
## Average Annual Population by County Group 1990 - 1998

County Population Group	Average Annual Population	% <5 years	% 5-14 years	% 15-24 years	% 25-44 years	% 45-64 years	% 65-84 years	% 85+ years
<10,000	139,166	6.3	14.5	11.1	25.2	21.7	17.8	3.3
10,000-20,000	693,896	6.2	15.0	11.7	27.0	21.1	16.1	2.8
>20,000	748,609	6.5	14.5	14.9	28.0	20.1	13.7	2.2
MSA	1,244,176	7.0	14.2	15.7	31.6	19.4	10.7	1.5

## Estimated Year 2000 US Standard Million Population

Age Range (years)	Population	Percent of Total
00-04	69,136	6.9
05-09	72,533	7.3
10-14	73,032	7.3
15-19	72,169	7.2
20-24	66,477	6.6
25-29	64,529	6.5
30-34	71,044	7.1
35-39	80,762	8.1
40-44	81,854	8.2
45-49	72,118	7.2
50-54	62,716	6.3
55-59	48,454	4.8
60-64	38,793	3.9
65-69	34,264	3.4
70-74	31,773	3.2
75-79	26,999	2.7
80-84	17,842	1.8
85+	15,508	1.6
<b>TOTAL</b>	<b>1,000,000</b>	<b>100.0</b>

## Distribution of Estimated Year 2000 Standard Million Population Compared to 1990-1998 Annual Average Population by County Groups



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