

# Health, United States, 2006

*Special Excerpt: Trend Tables on 65 and Older Population*



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention  
National Center for Health Statistics

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This special excerpt from *Health, United States, 2006*, contains selected tables that include data on the 65 and older population. Supporting material for these tables can be found in the appendices of the full report, *Health, United States, 2006*, which may be accessed from the National Center for Health Statistics (NCHS) website at [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). From the *Health, United States home page*, one may also subscribe to the *Health, United States* listserv.

For more information about *Health, United States* contact:

Office of Information Services  
Information Dissemination Staff  
National Center for Health Statistics  
Centers for Disease Control and Prevention  
3311 Toledo Road, Fifth Floor  
Hyattsville, MD 20782  
Phone: (301) 458-INFO or toll free 866-441-NCHS  
E-mail: [nchsquery@cdc.gov](mailto:nchsquery@cdc.gov)  
Internet: [www.cdc.gov/nchs](http://www.cdc.gov/nchs)

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**Table 1 (page 1 of 3). Resident population, by age, sex, race, and Hispanic origin: United States, selected years 1950–2004**

[Data are based on decennial census updated with data from multiple sources]

Sex, race, Hispanic origin, and year	Total resident population	Under 1 year	1–4 years	5–14 years	15–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	75–84 years	85 years and over
All persons												
Number in thousands												
1950	150,697	3,147	13,017	24,319	22,098	23,759	21,450	17,343	13,370	8,340	3,278	577
1960	179,323	4,112	16,209	35,465	24,020	22,818	24,081	20,485	15,572	10,997	4,633	929
1970	203,212	3,485	13,669	40,746	35,441	24,907	23,088	23,220	18,590	12,435	6,119	1,511
1980	226,546	3,534	12,815	34,942	42,487	37,082	25,635	22,800	21,703	15,581	7,729	2,240
1990	248,710	3,946	14,812	35,095	37,013	43,161	37,435	25,057	21,113	18,045	10,012	3,021
2000	281,422	3,806	15,370	41,078	39,184	39,892	45,149	37,678	24,275	18,391	12,361	4,240
2002	288,369	4,034	15,575	41,037	40,590	39,928	44,917	40,084	26,602	18,274	12,735	4,593
2003	290,811	4,004	15,766	40,969	41,206	39,873	44,371	40,805	27,900	18,337	12,869	4,713
2004	293,655	4,077	15,994	40,751	41,701	40,032	44,109	41,619	29,079	18,463	12,971	4,860
Male												
1950	74,833	1,602	6,634	12,375	10,918	11,597	10,588	8,655	6,697	4,024	1,507	237
1960	88,331	2,090	8,240	18,029	11,906	11,179	11,755	10,093	7,537	5,116	2,025	362
1970	98,912	1,778	6,968	20,759	17,551	12,217	11,231	11,199	8,793	5,437	2,436	542
1980	110,053	1,806	6,556	17,855	12,419	18,382	12,570	11,009	10,152	6,757	2,867	682
1990	121,239	2,018	7,581	17,971	18,915	21,564	18,510	12,232	9,955	7,907	3,745	841
2000	138,054	1,949	7,862	21,043	20,079	20,121	22,448	18,497	11,645	8,303	4,879	1,227
2002	141,661	2,064	7,962	21,013	20,821	20,203	22,367	19,676	12,784	8,301	5,081	1,390
2003	143,037	2,046	8,060	20,977	21,183	20,222	22,134	20,044	13,424	8,349	5,154	1,445
2004	144,537	2,085	8,178	20,860	21,438	20,336	22,034	20,453	13,999	8,428	5,218	1,508
Female												
1950	75,864	1,545	6,383	11,944	11,181	12,162	10,863	8,688	6,672	4,316	1,771	340
1960	90,992	2,022	7,969	17,437	12,114	11,639	12,326	10,393	8,036	5,881	2,609	567
1970	104,300	1,707	6,701	19,986	17,890	12,690	11,857	12,021	9,797	6,998	3,683	969
1980	116,493	1,727	6,259	17,087	21,068	18,700	13,065	11,791	11,551	8,824	4,862	1,559
1990	127,471	1,928	7,231	17,124	18,098	21,596	18,925	12,824	11,158	10,139	6,267	2,180
2000	143,368	1,857	7,508	20,034	19,105	19,771	22,701	19,181	12,629	10,088	7,482	3,013
2002	146,708	1,970	7,614	20,025	19,769	19,726	22,550	20,408	13,817	9,973	7,654	3,203
2003	147,773	1,958	7,706	19,992	20,024	19,650	22,237	20,761	14,475	9,988	7,714	3,269
2004	149,118	1,992	7,817	19,890	20,263	19,696	22,075	21,166	15,079	10,036	7,753	3,352
White male												
1950	67,129	1,400	5,845	10,860	9,689	10,430	9,529	7,836	6,180	3,736	1,406	218
1960	78,367	1,784	7,065	15,659	10,483	9,940	10,564	9,114	6,850	4,702	1,875	331
1970	86,721	1,501	5,873	17,667	15,232	10,775	9,979	10,090	7,958	4,916	2,243	487
1980	94,976	1,487	5,402	14,773	18,123	15,940	11,010	9,774	9,151	6,096	2,600	621
1990	102,143	1,604	6,071	14,467	15,389	18,071	15,819	10,624	8,813	7,127	3,397	760
2000	113,445	1,524	6,143	16,428	15,942	16,232	18,568	15,670	10,067	7,343	4,419	1,109
2002	115,966	1,603	6,212	16,363	16,482	16,214	18,368	16,553	11,045	7,288	4,580	1,257
2003	116,875	1,594	6,296	16,322	16,726	16,159	18,129	16,807	11,590	7,308	4,638	1,307
2004	117,916	1,625	6,381	16,229	16,896	16,205	17,994	17,116	12,062	7,358	4,688	1,361
White female												
1950	67,813	1,341	5,599	10,431	9,821	10,851	9,719	7,868	6,168	4,031	1,669	314
1960	80,465	1,714	6,795	15,068	10,596	10,204	11,000	9,364	7,327	5,428	2,441	527
1970	91,028	1,434	5,615	16,912	15,420	11,004	10,349	10,756	8,853	6,366	3,429	890
1980	99,835	1,412	5,127	14,057	17,653	15,896	11,232	10,285	10,325	7,951	4,457	1,440
1990	106,561	1,524	5,762	13,706	14,599	17,757	15,834	10,946	9,698	9,048	5,687	2,001
2000	116,641	1,447	5,839	15,576	14,966	15,574	18,386	15,921	10,731	8,757	6,715	2,729
2002	118,780	1,528	5,915	15,519	15,471	15,412	18,115	16,794	11,716	8,590	6,825	2,895
2003	119,474	1,525	5,999	15,488	15,658	15,310	17,813	17,034	12,263	8,576	6,859	2,950
2004	120,353	1,551	6,081	15,405	15,831	15,302	17,625	17,329	12,741	8,595	6,874	3,020
Black or African American male												
Number in thousands												
1950	7,300	---	1,944	1,442	1,162	1,105	1,003	772	459	299	<sup>2</sup> 113	---
1960	9,114	281	1,082	2,185	1,305	1,120	1,086	891	617	382	137	29
1970	10,748	245	975	2,784	2,041	1,226	1,084	979	739	461	169	46
1980	12,585	269	967	2,614	2,807	1,967	1,235	1,024	854	567	228	53
1990	14,420	322	1,164	2,700	2,669	2,592	1,962	1,175	878	614	277	66
2000	17,407	313	1,271	3,454	2,932	2,586	2,705	1,957	1,090	683	330	87
2002	17,979	344	1,290	3,454	3,107	2,589	2,726	2,149	1,177	701	349	93
2003	18,190	336	1,301	3,444	3,180	2,613	2,705	2,218	1,232	711	355	96
2004	18,417	337	1,320	3,414	3,248	2,650	2,695	2,278	1,293	722	359	101

See footnotes at end of table.

**Table 1 (page 2 of 3). Resident population, by age, sex, race, and Hispanic origin: United States, selected years 1950–2004**

[Data are based on decennial census updated with data from multiple sources]

Sex, race, Hispanic origin, and year	Total resident population	Under 1 year	1–4 years	5–14 years	15–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	75–84 years	85 years and over
Number in thousands												
<b>Black or African American female</b>												
1950	7,745	---	<sup>1</sup> 941	1,446	1,300	1,260	1,112	796	443	322	<sup>2</sup> 125	---
1960	9,758	283	1,085	2,191	1,404	1,300	1,229	974	663	430	160	38
1970	11,832	243	970	2,773	2,196	1,456	1,309	1,134	868	582	230	71
1980	14,046	266	951	2,578	2,937	2,267	1,488	1,258	1,059	776	360	106
1990	16,063	316	1,137	2,641	2,700	2,905	2,279	1,416	1,135	884	495	156
2000	19,187	302	1,228	3,348	2,971	2,866	3,055	2,274	1,353	971	587	233
2002	19,769	330	1,249	3,351	3,091	2,855	3,079	2,503	1,464	987	616	243
2003	19,958	323	1,260	3,337	3,140	2,862	3,052	2,579	1,531	999	627	247
2004	20,184	324	1,279	3,306	3,193	2,886	3,037	2,651	1,607	1,011	636	254
<b>American Indian or Alaska Native male</b>												
1980	702	17	59	153	161	114	75	53	37	22	9	2
1990	1,024	24	88	206	192	183	140	86	55	32	13	3
2000	1,488	28	109	301	271	229	229	165	88	45	18	5
2002	1,535	21	101	295	287	237	233	181	101	51	22	6
2003	1,553	21	96	293	294	240	232	187	107	53	24	6
2004	1,572	22	90	290	300	244	233	192	114	56	25	7
<b>American Indian or Alaska Native female</b>												
1980	718	16	57	149	158	118	79	57	41	27	12	4
1990	1,041	24	85	200	178	186	148	92	61	41	21	6
2000	1,496	26	106	293	254	219	236	174	95	54	28	10
2002	1,541	20	98	287	271	223	238	192	109	60	32	12
2003	1,558	21	93	286	278	224	235	198	115	62	33	13
2004	1,576	21	88	282	285	227	233	204	122	65	35	14
<b>Asian or Pacific Islander male</b>												
1980	1,814	35	130	321	334	366	252	159	110	72	30	6
1990	3,652	68	258	598	665	718	588	347	208	133	57	12
2000	5,713	84	339	861	934	1,073	947	705	399	231	112	27
2002	6,180	95	358	900	946	1,163	1,040	793	461	261	130	33
2003	6,419	94	367	917	983	1,211	1,068	832	496	277	138	36
2004	6,633	101	387	927	994	1,238	1,112	866	531	292	146	39
<b>Asian or Pacific Islander female</b>												
1980	1,915	34	127	307	325	423	269	192	126	71	33	9
1990	3,805	65	247	578	621	749	664	371	264	166	65	17
2000	6,044	81	336	817	914	1,112	1,024	812	451	305	152	41
2002	6,618	91	352	868	936	1,235	1,118	919	529	337	181	53
2003	6,783	89	354	882	947	1,254	1,137	950	565	351	196	59
2004	7,005	96	368	898	954	1,281	1,179	983	609	365	208	64
<b>Hispanic or Latino male</b>												
1980	7,280	187	661	1,530	1,646	1,256	761	570	364	200	86	19
1990	11,388	279	980	2,128	2,376	2,310	1,471	818	551	312	131	32
2000	18,162	395	1,506	3,469	3,564	3,494	2,653	1,551	804	474	203	50
2002	19,991	426	1,598	3,721	3,656	3,978	3,027	1,823	935	523	244	60
2003	20,599	442	1,682	3,832	3,759	4,016	3,101	1,910	991	542	261	65
2004	21,347	463	1,769	3,919	3,794	4,163	3,242	2,023	1,058	566	280	71
<b>Hispanic or Latino female</b>												
1980	7,329	181	634	1,482	1,546	1,249	805	615	411	257	117	30
1990	10,966	268	939	2,039	2,028	2,073	1,448	868	632	403	209	59
2000	17,144	376	1,441	3,318	3,017	3,016	2,476	1,585	907	603	303	101
2002	18,770	408	1,530	3,545	3,147	3,354	2,782	1,832	1,040	658	356	121
2003	19,300	424	1,611	3,659	3,235	3,363	2,815	1,908	1,097	680	380	128
2004	19,975	443	1,694	3,744	3,303	3,454	2,919	2,006	1,164	705	405	139

See footnotes at end of table.

**Table 1 (page 3 of 3). Resident population, by age, sex, race, and Hispanic origin: United States, selected years 1950–2004**

[Data are based on decennial census updated with data from multiple sources]

Sex, race, Hispanic origin, and year	Total resident population	Under 1 year	1–4 years	5–14 years	15–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	75–84 years	85 years and over
Number in thousands												
White, not Hispanic or Latino male												
1980	88,035	1,308	4,772	13,317	16,554	14,739	10,284	9,229	8,803	5,906	2,519	603
1990	91,743	1,351	5,181	12,525	13,219	15,967	14,481	9,875	8,303	6,837	3,275	729
2000	96,551	1,163	4,761	13,238	12,628	12,958	16,088	14,223	9,312	6,894	4,225	1,062
2002	97,329	1,198	4,729	12,941	13,086	12,480	15,534	14,851	10,168	6,793	4,348	1,201
2003	97,660	1,173	4,718	12,797	13,237	12,393	15,225	15,025	10,660	6,796	4,390	1,245
2004	97,986	1,184	4,706	12,623	13,376	12,301	14,957	15,228	11,071	6,824	4,422	1,294
White, not Hispanic or Latino female												
1980	92,872	1,240	4,522	12,647	16,185	14,711	10,468	9,700	9,935	7,707	4,345	1,411
1990	96,557	1,280	4,909	11,846	12,749	15,872	14,520	10,153	9,116	8,674	5,491	1,945
2000	100,774	1,102	4,517	12,529	12,183	12,778	16,089	14,446	9,879	8,188	6,429	2,633
2002	101,363	1,140	4,496	12,263	12,567	12,296	15,531	15,091	10,740	7,970	6,489	2,780
2003	101,555	1,121	4,488	12,125	12,673	12,188	15,201	15,261	11,236	7,935	6,499	2,829
2004	101,789	1,128	4,477	11,964	12,783	12,095	14,916	15,466	11,652	7,932	6,491	2,888

-- Data not available.

<sup>1</sup>Population for age group under 5 years.

<sup>2</sup>Population for age group 75 years and over.

NOTES: The race groups, white, black, American Indian or Alaska Native, and Asian or Pacific Islander, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with *Health, United States, 2003*, intercensal population estimates for the 1990s and 2000 are based on the 2000 census. Population estimates for 2001 and later years are 2000-based postcensal estimates. Population figures are census counts as of April 1 for 1950, 1960, 1970, 1980, 1990, and 2000; estimates as of July 1 for other years. See Appendix I, Population Census and Population Estimates. Populations for age groups may not sum to the total due to rounding. Although population figures are shown rounded to the nearest 1,000, calculations of birth rates and death rates shown in this volume are based on unrounded population figures for decennial years and for all years starting with 1991. See Appendix II, Rate. Unrounded population figures are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCES: U.S. Census Bureau: 1950 Nonwhite Population by Race. Special Report P-E, No. 3B. Washington, DC: U.S. Government Printing Office, 1951; U.S. Census of Population: 1960, Number of Inhabitants, PC(1)-A1, United States Summary, 1964; 1970, Number of Inhabitants, Final Report PC(1)-A1, United States Summary, 1971; U.S. population estimates, by age, sex, race, and Hispanic origin: 1980 to 1991. Current population reports, series P-25, no 1095. Washington, DC: U.S. Government Printing Office, Feb. 1993; National Center for Health Statistics. Estimates of the July 1, 1991–July 1, 1999, April 1, 2000, and July 1, 2001–July 1, 2004 United States resident population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau, Population Estimates Program. Available from: [www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm](http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm). 2004.



**Table 2 (page 1 of 2). Inmates in state or federal prisons and local jails, by sex, race, Hispanic origin, and age: United States, selected years 1999–2004**

[Data are based on reporting by a census of departments of correction and the Federal Bureau of Prisons and a sample of jails]

Sex, race, Hispanic origin, and age	1999	2000	2003	2004	1999	2000	2003	2004
	Number of inmates in thousands <sup>1</sup>				Inmates per 100,000 population <sup>2</sup>			
Total <sup>3,4</sup> . . . . .	1,861	1,932	2,079	2,131	---	686	716	726
Male <sup>3,4</sup> . . . . .	1,711	1,776	1,902	1,948	1,261	1,297	1,331	1,348
Female <sup>3,4</sup> . . . . .	149	156	176	183	106	110	119	123
White, not Hispanic: <sup>4</sup>								
Male . . . . .	610	664	665	696	630	683	681	717
Female . . . . .	54	64	76	82	53	63	75	81
Black, not Hispanic: <sup>4</sup>								
Male . . . . .	757	792	832	843	4,617	4,777	4,834	4,919
Female . . . . .	68	70	67	68	375	380	352	359
Hispanic: <sup>4</sup>								
Male . . . . .	296	291	364	367	1,802	1,715	1,778	1,717
Female . . . . .	23	20	28	29	142	117	148	143
Male								
18–19 . . . . .	79	81	72	73	1,868	1,917	1,709	1,727
20–24 . . . . .	299	310	346	352	3,130	3,177	3,316	3,255
25–29 . . . . .	317	330	332	340	3,363	3,580	3,417	3,390
30–34 . . . . .	321	334	314	316	3,193	3,362	2,944	3,060
35–39 . . . . .	282	294	292	292	2,474	2,613	2,641	2,755
40–44 . . . . .	190	198	241	250	1,699	1,747	2,096	2,187
45–54 . . . . .	157	165	224	238	896	903	1,129	1,162
55 and over . . . . .	49	51	66	72	193	199	238	247
Female								
18–19 . . . . .	4	4	4	5	92	96	109	112
20–24 . . . . .	19	20	25	27	205	210	255	264
25–29 . . . . .	29	30	26	27	303	324	277	283
30–34 . . . . .	37	39	33	34	370	391	316	330
35–39 . . . . .	29	31	36	36	257	272	322	346
40–44 . . . . .	16	17	27	29	144	149	232	247
45–54 . . . . .	12	12	20	22	63	64	97	101
55 and over . . . . .	3	3	4	4	8	8	11	11
White, not Hispanic male								
18–19 . . . . .	24	26	24	24	885	942	882	911
20–24 . . . . .	91	100	103	107	1,462	1,560	1,610	1,641
25–29 . . . . .	96	105	93	98	1,535	1,732	1,607	1,666
30–34 . . . . .	114	125	104	107	1,674	1,861	1,545	1,691
35–39 . . . . .	106	116	109	111	1,302	1,460	1,467	1,607
40–44 . . . . .	74	81	99	105	897	972	1,206	1,314
45–54 . . . . .	71	78	94	101	522	553	626	664
55 and over . . . . .	27	30	37	40	129	139	162	170
Black, not Hispanic male								
18–19 . . . . .	35	37	33	33	5,787	6,027	5,365	5,473
20–24 . . . . .	136	143	161	162	10,407	10,593	11,329	11,054
25–29 . . . . .	152	160	154	156	12,334	13,118	12,809	12,603
30–34 . . . . .	142	150	135	135	11,225	11,892	10,627	10,979
35–39 . . . . .	130	136	127	125	9,548	10,054	9,570	10,036
40–44 . . . . .	79	83	102	105	6,224	6,399	7,639	7,993
45–54 . . . . .	59	62	93	99	3,399	3,409	4,425	4,546
55 and over . . . . .	13	13	19	21	611	635	842	898

See footnotes at end of table.

**Table 2 (page 2 of 2). Inmates in state or federal prisons and local jails, by sex, race, Hispanic origin, and age: United States, selected years 1999–2004**

[Data are based on reporting by a census of departments of correction and the Federal Bureau of Prisons and a sample of jails]

<i>Sex, race, Hispanic origin, and age</i>	1999	2000	2003	2004	1999	2000	2003	2004
Hispanic male	Number of inmates in thousands <sup>1</sup>				Inmates per 100,000 population <sup>2</sup>			
18–19 . . . . .	16	16	13	14	2,524	2,419	1,888	1,957
20–24 . . . . .	62	60	74	75	4,141	3,885	3,620	3,577
25–29 . . . . .	60	58	78	79	4,220	4,084	3,719	3,606
30–34 . . . . .	56	55	68	69	3,844	3,756	3,451	3,438
35–39 . . . . .	40	40	51	50	2,898	2,781	2,975	2,866
40–44 . . . . .	31	31	36	36	2,746	2,621	2,537	2,403
45–54 . . . . .	22	22	33	34	1,521	1,426	1,761	1,652
55 and over . . . . .	7	8	9	9	460	468	501	473
White, not Hispanic female								
18–19 . . . . .	2	2	2	2	63	71	68	71
20–24 . . . . .	7	8	11	12	121	137	178	191
25–29 . . . . .	10	11	11	12	154	187	191	203
30–34 . . . . .	13	15	14	15	185	224	211	237
35–39 . . . . .	10	13	16	16	128	159	211	238
40–44 . . . . .	6	7	12	13	73	87	143	162
45–54 . . . . .	5	6	9	10	33	39	58	63
55 and over . . . . .	1	2	2	2	5	7	8	8
Black, not Hispanic female								
18–19 . . . . .	1	1	2	2	224	231	254	262
20–24 . . . . .	7	7	9	9	524	525	607	625
25–29 . . . . .	13	14	10	10	956	993	744	746
30–34 . . . . .	19	19	13	12	1,362	1,409	891	905
35–39 . . . . .	14	14	14	14	940	962	926	993
40–44 . . . . .	7	8	11	11	512	513	732	764
45–54 . . . . .	4	5	8	8	214	209	318	327
55 and over . . . . .	1	1	1	1	27	28	28	29
Hispanic female								
18–19 . . . . .	1	1	1	1	94	87	166	162
20–24 . . . . .	4	4	5	5	284	246	295	304
25–29 . . . . .	5	4	5	5	357	296	268	268
30–34 . . . . .	5	4	5	5	372	301	319	313
35–39 . . . . .	4	3	5	5	308	247	333	331
40–44 . . . . .	2	2	4	4	203	168	276	271
45–54 . . . . .	2	2	3	3	133	106	149	136
55 and over . . . . .	0	0	1	1	11	9	29	25

--- Data not available.

0 is greater than 0 but less than 500.

<sup>1</sup>Estimates as of June 30 of year shown.

<sup>2</sup>Inmate estimates as of June 30 of year shown. Population is U.S. resident population for July 1 of year shown.

<sup>3</sup>Includes all other races not shown separately. See Appendix II, Hispanic origin; Race.

<sup>4</sup>Includes all other ages not shown separately. A small number of inmates are under age 18.

NOTES: Data are for inmates in custody. See Appendix I, The Annual Survey and Census of Jails; National Prisoner Statistics. Starting with 2004 data, inmates reporting more than one race are excluded.

SOURCES: Harrison PM, Beck AJ. Prison and Jail Inmates at Midyear 2004. Bureau of Justice Statistics Bulletin. Washington, DC: U.S. Department of Justice, 2005. Reports for earlier years are available from: [www.ojp.usdoj.gov/bjs/prisons.htm](http://www.ojp.usdoj.gov/bjs/prisons.htm).

**Table 26 (page 1 of 2). Life expectancy at birth and at 65 years of age, by sex: Selected countries and territories, selected years 1980–2002**

[Data are based on reporting by countries]

Country	Male							Female								
	1980	1990	1995	2000	2001	2002	2002	1980	1990	1995	2000	2001	2002	2002		
At birth	Life expectancy in years							Rank	Life expectancy in years							Rank
Australia . . . . .	71.0	73.9	75.0	76.6	77.0	77.4	6	78.1	80.1	80.8	82.0	82.4	82.6	7		
Austria . . . . .	69.0	72.2	73.3	75.1	75.6	75.8	15	76.1	78.8	79.9	81.1	81.5	81.7	10		
Belgium . . . . .	70.0	72.7	73.4	74.6	74.9	75.1	22	76.8	79.4	80.2	80.8	81.1	81.1	15		
Bulgaria . . . . .	68.5	68.3	67.4	68.5	68.6	68.9	34	73.9	75.0	74.9	75.1	75.4	75.6	35		
Canada . . . . .	71.7	74.4	75.1	76.7	77.0	77.2	7	78.9	80.8	81.1	81.9	82.1	82.1	8		
Chile . . . . .	---	71.1	71.8	72.6	72.7	72.9	29	---	76.9	77.8	78.6	78.7	78.9	29		
Costa Rica . . . . .	71.9	74.7	74.0	75.4	75.6	76.2	12	77.0	79.1	78.6	80.2	79.9	81.0	18		
Cuba . . . . .	72.2	74.6	75.4	74.7	74.7	74.7	25	---	76.9	77.7	79.0	79.2	79.2	28		
Czech Republic <sup>1</sup> . . . . .	66.8	67.6	69.7	71.7	72.1	72.1	30	73.9	75.4	76.6	78.4	78.5	78.7	32		
Denmark . . . . .	71.2	72.0	72.7	74.5	74.7	74.8	24	77.3	77.7	77.8	79.3	79.3	79.5	27		
England and Wales . . . . .	70.8	73.1	74.3	75.6	76.0	76.2	12	76.8	78.6	79.5	80.3	80.6	80.7	19		
Finland . . . . .	69.2	70.9	72.8	74.2	74.6	74.9	23	77.6	78.9	80.2	81.0	81.5	81.5	11		
France . . . . .	70.2	72.8	73.9	75.3	75.5	75.8	15	78.4	80.9	81.8	82.7	82.9	83.0	4		
Germany <sup>2</sup> . . . . .	69.6	72.0	73.3	75.0	75.6	75.4	19	76.1	78.4	79.7	81.0	81.3	81.2	14		
Greece . . . . .	72.2	74.6	75.0	75.5	75.4	75.4	19	76.8	79.5	80.3	80.6	80.7	80.7	19		
Hong Kong . . . . .	71.6	74.6	76.0	78.0	78.4	78.6	1	77.9	80.3	81.5	83.9	84.6	84.5	2		
Hungary . . . . .	65.5	65.1	65.3	67.4	68.1	68.4	35	72.7	73.7	74.5	75.9	76.4	76.7	34		
Ireland . . . . .	70.1	72.1	72.9	73.4	74.7	75.2	21	75.6	77.6	78.4	79.1	79.7	80.3	25		
Israel . . . . .	72.2	75.1	75.5	76.7	77.1	77.5	5	75.8	78.5	79.5	81.1	81.6	81.4	13		
Italy . . . . .	70.6	73.6	74.9	76.6	76.7	76.8	8	77.4	80.1	81.3	82.5	82.8	82.9	6		
Japan . . . . .	73.4	75.9	76.4	77.7	78.1	78.3	2	78.8	81.9	82.9	84.6	84.9	85.2	1		
Netherlands . . . . .	72.5	73.8	74.6	75.5	75.8	76.0	14	79.2	80.9	80.4	80.5	80.7	80.7	19		
New Zealand . . . . .	70.0	72.4	74.4	76.3	76.3	76.3	11	76.3	78.3	79.7	81.1	81.1	81.1	15		
Northern Ireland . . . . .	68.3	72.1	73.5	74.8	75.2	75.6	18	75.0	78.0	78.9	79.8	80.1	80.4	24		
Norway . . . . .	72.3	73.4	74.8	76.0	76.2	76.4	10	79.2	79.8	80.8	81.4	81.5	81.5	11		
Poland . . . . .	66.0	66.7	67.6	69.7	70.2	70.4	32	74.4	76.3	76.4	77.9	78.3	78.8	31		
Portugal . . . . .	67.7	70.4	71.6	73.2	73.5	73.8	27	75.2	77.4	78.7	80.0	80.3	80.5	22		
Puerto Rico . . . . .	70.8	69.1	69.6	71.1	71.4	71.6	31	76.9	77.2	78.9	80.1	80.3	80.5	22		
Romania . . . . .	66.6	66.6	65.5	67.8	67.7	67.4	36	71.9	73.1	73.5	74.8	75.0	74.8	36		
Russian Federation . . . . .	61.4	63.8	58.3	59.2	59.1	58.9	37	73.0	74.4	71.7	72.4	72.3	72.0	37		
Scotland . . . . .	69.0	71.1	72.1	73.1	73.3	73.5	28	75.2	76.7	77.7	78.6	78.8	78.9	29		
Singapore . . . . .	69.8	73.1	74.2	76.1	76.4	76.5	9	74.7	77.6	78.6	80.1	80.3	81.1	15		
Slovakia <sup>1</sup> . . . . .	66.8	66.6	68.4	69.2	69.6	69.9	33	74.3	75.4	76.3	77.4	77.7	77.8	33		
Spain . . . . .	72.5	73.3	74.3	75.7	75.6	75.8	15	78.6	80.3	81.5	82.5	82.9	83.5	3		
Sweden . . . . .	72.8	74.8	76.2	77.4	77.6	77.7	4	78.8	80.4	81.4	82.0	82.1	82.1	8		
Switzerland . . . . .	72.8	74.0	75.3	76.9	77.4	77.8	3	79.6	80.7	81.7	82.6	83.0	83.0	4		
United States . . . . .	70.0	71.8	72.5	74.1	74.4	74.5	26	77.4	78.8	78.9	79.5	79.8	79.9	26		

See footnotes at end of table.

**Table 26 (page 2 of 2). Life expectancy at birth and at 65 years of age, by sex: Selected countries and territories, selected years 1980–2002**

[Data are based on reporting by countries]

Country	Male							Female								
	1980	1990	1995	2000	2001	2002	2002	1980	1990	1995	2000	2001	2002	2002		
At 65 years	Life expectancy in years							Rank	Life expectancy in years							Rank
Australia	13.7	15.2	15.7	16.9	17.2	17.4	4	17.9	19.0	19.5	20.4	20.7	20.8	5		
Austria	12.9	14.3	14.9	16.0	16.3	16.3	16	16.3	17.8	18.6	19.4	19.8	19.7	12		
Belgium	13.0	14.3	14.8	15.5	15.8	15.8	22	16.9	18.5	19.1	19.5	19.7	19.7	12		
Bulgaria	12.7	12.9	12.8	12.8	13.1	13.1	33	14.7	15.4	15.4	15.4	15.8	15.8	34		
Canada	14.5	15.7	16.0	16.8	17.1	17.2	7	18.9	19.9	20.0	20.4	20.6	20.6	6		
Chile	---	14.6	14.9	15.3	15.4	15.4	25	---	17.6	18.1	18.6	18.7	18.8	25		
Costa Rica	16.1	17.1	16.7	17.2	17.1	17.8	2	18.1	19.3	18.6	19.6	19.4	20.5	8		
Cuba	---	---	---	16.7	16.8	16.8	10	---	---	---	19.0	19.3	19.3	19		
Czech Republic <sup>1</sup>	11.2	11.6	12.7	13.7	14.0	14.0	30	14.3	15.2	16.0	17.1	17.2	17.4	31		
Denmark	13.6	14.0	14.1	15.2	15.2	15.4	25	17.6	17.8	17.5	18.3	18.4	18.3	28		
England and Wales	12.9	14.1	14.8	15.8	16.1	16.3	16	16.9	17.9	18.3	19.0	19.2	19.2	21		
Finland	12.5	13.7	14.5	15.5	15.7	15.8	22	16.5	17.7	18.6	19.3	19.6	19.6	17		
France	13.6	15.5	16.1	16.7	16.9	17.0	8	18.2	19.8	20.6	21.2	21.3	21.3	3		
Germany <sup>2</sup>	13.0	14.0	14.7	15.7	16.0	16.2	18	16.7	17.6	18.5	19.4	19.6	19.7	12		
Greece	14.6	15.7	16.1	16.2	16.6	16.7	11	16.8	18.0	18.4	18.3	18.7	18.8	25		
Hong Kong	13.9	15.3	16.2	17.3	17.7	17.8	2	13.9	18.8	19.5	21.5	22.1	22.0	2		
Hungary	11.6	12.0	12.1	12.7	13.0	13.1	33	14.6	15.3	15.8	16.4	16.7	17.0	32		
Ireland	12.6	13.3	13.6	14.6	15.0	15.3	27	15.7	16.9	17.3	17.8	18.3	18.6	27		
Israel	14.4	15.9	16.0	16.9	17.2	17.3	6	15.8	17.8	18.0	19.3	19.8	19.7	12		
Italy	13.3	15.1	15.8	16.5	16.5	16.6	13	17.1	18.8	19.6	20.4	20.4	20.6	6		
Japan	14.6	16.2	16.5	17.5	17.8	18.0	1	17.7	20.0	20.9	22.4	22.7	23.0	1		
Netherlands	13.7	14.4	14.7	15.3	15.5	15.6	24	18.0	18.9	19.0	19.2	19.3	19.3	19		
New Zealand	13.2	14.7	15.6	16.7	16.7	16.7	11	17.0	18.3	19.1	20.0	20.0	20.0	10		
Northern Ireland	11.9	13.7	14.4	15.3	15.7	15.9	21	15.8	17.5	18.0	18.5	18.7	18.9	24		
Norway	14.3	14.6	15.1	16.0	16.1	16.2	18	18.0	18.5	19.1	19.7	19.8	19.7	12		
Poland	12.0	12.7	12.9	13.6	13.9	14.0	30	15.5	16.9	16.6	17.3	17.6	17.9	30		
Portugal	12.9	13.9	14.6	15.3	15.6	15.0	29	16.5	17.0	17.8	18.7	18.9	19.0	23		
Puerto Rico	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Romania	12.6	13.3	12.9	13.5	13.5	13.0	35	14.2	15.3	15.4	15.9	16.1	15.8	34		
Russian Federation	11.6	12.1	10.9	11.1	11.1	10.9	36	15.6	15.9	15.1	15.2	15.3	15.1	36		
Scotland	12.3	13.1	13.8	14.7	14.9	15.1	28	16.2	16.7	17.3	17.8	18.0	18.1	29		
Singapore	12.6	14.5	14.6	15.8	16.0	16.0	20	15.4	16.9	17.3	19.0	19.2	19.2	21		
Slovakia <sup>1</sup>	12.3	12.2	12.7	12.9	13.0	13.3	32	15.4	15.7	16.1	16.5	16.8	17.0	32		
Spain	14.8	15.4	16.0	16.5	16.5	16.5	15	17.9	19.0	19.8	20.4	20.4	20.5	8		
Sweden	14.3	15.3	16.0	16.7	16.9	16.9	9	17.9	19.0	19.6	20.0	20.1	20.0	10		
Switzerland	14.4	15.3	16.1	16.9	17.2	17.4	4	17.9	19.4	20.2	20.7	21.0	21.0	4		
United States	14.1	15.1	15.6	16.3	16.4	16.6	13	18.3	18.9	18.9	19.2	19.4	19.5	18		

--- Data not available.

<sup>1</sup>In 1993, Czechoslovakia was divided into two nations, the Czech Republic and Slovakia. Data for years prior to 1993 are from the Czech and Slovak regions of Czechoslovakia.

<sup>2</sup>Until 1990, estimates refer to the Federal Republic of Germany; from 1995 onwards, data refer to Germany after reunification.

NOTES: Rankings are from highest to lowest life expectancy (LE) for the most recent year available. Since calculation of LE estimates varies among countries, comparisons among them and their interpretation should be made with caution. See Appendix II, Life expectancy. Countries with the same LE receive the same rank. The country with the next lower LE is assigned the rank it would have received had the higher-ranked countries not been tied, i.e., skip a rank. Some estimates for selected countries and selected years were revised and differ from the previous editions of *Health, United States*. Data for additional years are available. See Appendix III.

SOURCES: Organisation for Economic Cooperation and Development (OECD) Health Data 2005, A Comparative Analysis of 30 Countries, [www.oecd.org/els/health/](http://www.oecd.org/els/health/); European health for all database, World Health Organization Regional Office for Europe, [www.who.dk/hfad/](http://www.who.dk/hfad/); Centers for Disease Control and Prevention, National Center for Health Statistics. Vital statistics of the United States (selected years). Public Health Service. Washington, DC. [www.cdc.gov/nchs/fastats/lifexpec.htm](http://www.cdc.gov/nchs/fastats/lifexpec.htm); Puerto Rico: Commonwealth of Puerto Rico, Department of Health, Auxiliary Secretariat for Planning, Evaluation, Statistics, and Information Systems: Unpublished data; Singapore: Singapore Department of Statistics, Population Statistics Section, [www.singstat.gov.sg/stats/singstat/internet.html](http://www.singstat.gov.sg/stats/singstat/internet.html); England and Wales, Northern Ireland, and Scotland: Government Actuary's Department, London [www.gad.gov.uk](http://www.gad.gov.uk); Hong Kong: Government of Hong Kong, Special Administrative Region, Department of Health, <http://info.gov.hk/dh/index.htm>; Costa Rica: Instituto Nacional de Estadística y Censos (INEC) y Centro Centroamericano de Población (CCP) <http://cop.ucr.ac.cr/observa/series/serie3.htm>; Chile: Instituto Nacional de Estadísticas, Departamento de Demografía. Gobierno de Chile. Ministerio de Salud Departamento de Estadísticas e Información de Salud; Puerto Rico (1999–2001): Pan American Health Organization, Special Program for Health Analysis. Regional Initiative for Health Basic Data, Technical Information Health System, Washington, DC 2005. Cuba and Singapore (2000–2001): WHO Statistical Information System (WHOSIS) [www3.who.int/whosis/core/core\\_select.cfm](http://www3.who.int/whosis/core/core_select.cfm).

**Table 27. Life expectancy at birth, at 65 years of age, and at 75 years of age, by race and sex: United States, selected years 1900–2003**

[Data are based on death certificates]

Specified age and year	All races			White			Black or African American <sup>1</sup>		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
At birth									
Remaining life expectancy in years									
1900 <sup>2,3</sup>	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5
1950 <sup>3</sup>	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9
1960 <sup>3</sup>	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3
1970	70.8	67.1	74.7	71.7	68.0	75.6	64.1	60.0	68.3
1980	73.7	70.0	77.4	74.4	70.7	78.1	68.1	63.8	72.5
1990	75.4	71.8	78.8	76.1	72.7	79.4	69.1	64.5	73.6
1995	75.8	72.5	78.9	76.5	73.4	79.6	69.6	65.2	73.9
1996	76.1	73.1	79.1	76.8	73.9	79.7	70.2	66.1	74.2
1997	76.5	73.6	79.4	77.1	74.3	79.9	71.1	67.2	74.7
1998	76.7	73.8	79.5	77.3	74.5	80.0	71.3	67.6	74.8
1999	76.7	73.9	79.4	77.3	74.6	79.9	71.4	67.8	74.7
2000	77.0	74.3	79.7	77.6	74.9	80.1	71.9	68.3	75.2
2001	77.2	74.4	79.8	77.7	75.0	80.2	72.2	68.6	75.5
2002	77.3	74.5	79.9	77.7	75.1	80.3	72.3	68.8	75.6
2003	77.5	74.8	80.1	78.0	75.3	80.5	72.7	69.0	76.1
At 65 years									
1950 <sup>3</sup>	13.9	12.8	15.0	---	12.8	15.1	13.9	12.9	14.9
1960 <sup>3</sup>	14.3	12.8	15.8	14.4	12.9	15.9	13.9	12.7	15.1
1970	15.2	13.1	17.0	15.2	13.1	17.1	14.2	12.5	15.7
1980	16.4	14.1	18.3	16.5	14.2	18.4	15.1	13.0	16.8
1990	17.2	15.1	18.9	17.3	15.2	19.1	15.4	13.2	17.2
1995	17.4	15.6	18.9	17.6	15.7	19.1	15.6	13.6	17.1
1996	17.5	15.7	19.0	17.6	15.8	19.1	15.8	13.9	17.2
1997	17.7	15.9	19.2	17.8	16.0	19.3	16.1	14.2	17.6
1998	17.8	16.0	19.2	17.8	16.1	19.3	16.1	14.3	17.4
1999	17.7	16.1	19.1	17.8	16.1	19.2	16.0	14.3	17.3
2000	18.0	16.2	19.3	18.0	16.3	19.4	16.2	14.2	17.7
2001	18.1	16.4	19.4	18.2	16.5	19.5	16.4	14.4	17.9
2002	18.2	16.6	19.5	18.2	16.6	19.5	16.6	14.6	18.0
2003	18.4	16.8	19.8	18.5	16.9	19.8	17.0	14.9	18.5
At 75 years									
1980	10.4	8.8	11.5	10.4	8.8	11.5	9.7	8.3	10.7
1990	10.9	9.4	12.0	11.0	9.4	12.0	10.2	8.6	11.2
1995	11.0	9.7	11.9	11.1	9.7	12.0	10.2	8.8	11.1
1996	11.1	9.8	12.0	11.1	9.8	12.0	10.3	9.0	11.2
1997	11.2	9.9	12.1	11.2	9.9	12.1	10.7	9.3	11.5
1998	11.3	10.0	12.2	11.3	10.0	12.2	10.5	9.2	11.3
1999	11.2	10.0	12.1	11.2	10.0	12.1	10.4	9.2	11.1
2000	11.4	10.1	12.3	11.4	10.1	12.3	10.7	9.2	11.6
2001	11.5	10.2	12.4	11.5	10.2	12.3	10.8	9.3	11.7
2002	11.5	10.3	12.4	11.5	10.3	12.3	10.9	9.5	11.7
2003	11.8	10.5	12.6	11.7	10.5	12.6	11.4	9.8	12.4

--- Data not available.

<sup>1</sup>Data shown for 1900–1960 are for the nonwhite population.

<sup>2</sup>Death registration area only. The death registration area increased from 10 states and the District of Columbia in 1900 to the coterminous United States in 1933. See Appendix II, Registration area.

<sup>3</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

NOTES: Populations for computing life expectancy for 1991–1999 are 1990-based postcensal estimates of U.S. resident population. See Appendix I, Population Census and Population Estimates. In 1997, life table methodology was revised to construct complete life tables by single years of age that extend to age 100 (Anderson RN. Method for constructing complete annual U.S. life tables. National Center for Health Statistics. Vital Health Stat 2(129). 1999). Previously, abridged life tables were constructed for 5-year age groups ending with 85 years and over. Life table values for 2000 and later years were computed using a slight modification of the new life table method due to a change in the age detail of populations received from the U.S. Census Bureau. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office, 1968; life expectancy trend data available from: www.cdc.gov/nchs/deaths.htm; Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 32 (page 1 of 2). Leading causes of death and numbers of deaths, by age: United States, 1980 and 2003**

[Data are based on death certificates]

Age and rank order	1980		2003	
	Cause of death	Deaths	Cause of death	Deaths
<b>Under 1 year</b>				
...	All causes	45,526	All causes	28,025
1. ....	Congenital anomalies	9,220	Congenital malformations, deformations and chromosomal abnormalities	5,621
2. ....	Sudden infant death syndrome	5,510	Disorders related to short gestation and low birth weight, not elsewhere classified	4,849
3. ....	Respiratory distress syndrome	4,989	Sudden infant death syndrome	2,162
4. ....	Disorders relating to short gestation and unspecified low birthweight	3,648	Newborn affected by maternal complications of pregnancy	1,710
5. ....	Newborn affected by maternal complications of pregnancy	1,572	Newborn affected by complications of placenta, cord and membranes	1,099
6. ....	Intrauterine hypoxia and birth asphyxia	1,497	Unintentional injuries	945
7. ....	Unintentional injuries	1,166	Respiratory distress of newborn	831
8. ....	Birth trauma	1,058	Bacterial sepsis of newborn	772
9. ....	Pneumonia and influenza	1,012	Neonatal hemorrhage	649
10. ....	Newborn affected by complications of placenta, cord, and membranes	985	Diseases of circulatory system	591
<b>1-4 years</b>				
...	All causes	8,187	All causes	4,965
1. ....	Unintentional injuries	3,313	Unintentional injuries	1,717
2. ....	Congenital anomalies	1,026	Congenital malformations, deformations and chromosomal abnormalities	541
3. ....	Malignant neoplasms	573	Malignant neoplasms	392
4. ....	Diseases of heart	338	Homicide	376
5. ....	Homicide	319	Diseases of heart	186
6. ....	Pneumonia and influenza	267	Influenza and pneumonia	163
7. ....	Meningitis	223	Septicemia	85
8. ....	Meningococcal infection	110	Certain conditions originating in the perinatal period	79
9. ....	Certain conditions originating in the perinatal period	84	Chronic lower respiratory diseases	55
10. ....	Septicemia	71	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	51
<b>5-14 years</b>				
...	All causes	10,689	All causes	6,954
1. ....	Unintentional injuries	5,224	Unintentional injuries	2,618
2. ....	Malignant neoplasms	1,497	Malignant neoplasms	1,076
3. ....	Congenital anomalies	561	Congenital malformations, deformations and chromosomal abnormalities	386
4. ....	Homicide	415	Homicide	324
5. ....	Diseases of heart	330	Diseases of heart	264
6. ....	Pneumonia and influenza	194	Suicide	250
7. ....	Suicide	142	Influenza and pneumonia	147
8. ....	Benign neoplasms	104	Chronic lower respiratory diseases	118
9. ....	Cerebrovascular diseases	95	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	79
10. ....	Chronic obstructive pulmonary diseases	85	Septicemia	77
<b>15-24 years</b>				
...	All causes	49,027	All causes	33,568
1. ....	Unintentional injuries	26,206	Unintentional injuries	15,272
2. ....	Homicide	6,537	Homicide	5,368
3. ....	Suicide	5,239	Suicide	3,988
4. ....	Malignant neoplasms	2,683	Malignant neoplasms	1,651
5. ....	Diseases of heart	1,223	Diseases of heart	1,133
6. ....	Congenital anomalies	600	Congenital malformations, deformations and chromosomal abnormalities	451
7. ....	Cerebrovascular diseases	418	Influenza and pneumonia	224
8. ....	Pneumonia and influenza	348	Cerebrovascular diseases	221
9. ....	Chronic obstructive pulmonary diseases	141	Chronic lower respiratory diseases	191
10. ....	Anemias	133	Human immunodeficiency virus (HIV) disease	178

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 32 (page 2 of 2). Leading causes of death and numbers of deaths, by age: United States, 1980 and 2003**

[Data are based on death certificates]

Age and rank order	1980		2003	
	Cause of death	Deaths	Cause of death	Deaths
<b>25–44 years</b>				
...	All causes	108,658	All causes	130,761
1. ....	Unintentional injuries	26,722	Unintentional injuries	29,307
2. ....	Malignant neoplasms	17,551	Malignant neoplasms	19,250
3. ....	Diseases of heart	14,513	Diseases of heart	16,850
4. ....	Homicide	10,983	Suicide	11,667
5. ....	Suicide	9,855	Homicide	7,626
6. ....	Chronic liver disease and cirrhosis	4,782	Human immunodeficiency virus (HIV) disease	6,928
7. ....	Cerebrovascular diseases	3,154	Chronic liver disease and cirrhosis	3,378
8. ....	Diabetes mellitus	1,472	Cerebrovascular diseases	3,043
9. ....	Pneumonia and influenza	1,467	Diabetes mellitus	2,706
10. ....	Congenital anomalies	817	Influenza and pneumonia	1,365
<b>45–64 years</b>				
...	All causes	425,338	All causes	439,300
1. ....	Diseases of heart	148,322	Malignant neoplasms	145,535
2. ....	Malignant neoplasms	135,675	Diseases of heart	102,792
3. ....	Cerebrovascular diseases	19,909	Unintentional injuries	25,007
4. ....	Unintentional injuries	18,140	Diabetes mellitus	16,389
5. ....	Chronic liver disease and cirrhosis	16,089	Cerebrovascular diseases	16,073
6. ....	Chronic obstructive pulmonary diseases	11,514	Chronic lower respiratory diseases	15,614
7. ....	Diabetes mellitus	7,977	Chronic liver disease and cirrhosis	13,894
8. ....	Suicide	7,079	Suicide	10,324
9. ....	Pneumonia and influenza	5,804	Human immunodeficiency virus (HIV) disease	5,959
10. ....	Homicide	4,019	Septicemia	5,808
<b>65 years and over</b>				
...	All causes	1,341,848	All causes	1,804,373
1. ....	Diseases of heart	595,406	Diseases of heart	563,390
2. ....	Malignant neoplasms	258,389	Malignant neoplasms	388,911
3. ....	Cerebrovascular diseases	146,417	Cerebrovascular diseases	138,134
4. ....	Pneumonia and influenza	45,512	Chronic lower respiratory diseases	109,139
5. ....	Chronic obstructive pulmonary diseases	43,587	Alzheimer's disease	62,814
6. ....	Atherosclerosis	28,081	Influenza and pneumonia	57,670
7. ....	Diabetes mellitus	25,216	Diabetes mellitus	54,919
8. ....	Unintentional injuries	24,844	Nephritis, nephrotic syndrome and nephrosis	35,254
9. ....	Nephritis, nephrotic syndrome, and nephrosis	12,968	Unintentional injuries	34,335
10. ....	Chronic liver disease and cirrhosis	9,519	Septicemia	26,445

... Category not applicable.

NOTES: For cause of death codes based on the *International Classification of Diseases, 9th Revision (ICD-9)* in 1980 and ICD-10 in 2002, see Appendix II, Cause of death; tables IV and V.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; *Vital statistics of the United States, Vol II, mortality, part A*, 1980. Washington, DC: Public Health Service. 1985; 2003 annual mortality file.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 35 (page 1 of 4). Death rates for all causes, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	2000	2002	2003
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>2</sup> . . . . .	1,446.0	1,339.2	1,222.6	1,039.1	938.7	869.0	845.3	832.7
All ages, crude . . . . .	963.8	954.7	945.3	878.3	863.8	854.0	847.3	841.9
Under 1 year . . . . .	3,299.2	2,696.4	2,142.4	1,288.3	971.9	736.7	695.0	700.0
1–4 years . . . . .	139.4	109.1	84.5	63.9	46.8	32.4	31.2	31.5
5–14 years . . . . .	60.1	46.6	41.3	30.6	24.0	18.0	17.4	17.0
15–24 years . . . . .	128.1	106.3	127.7	115.4	99.2	79.9	81.4	81.5
25–34 years . . . . .	178.7	146.4	157.4	135.5	139.2	101.4	103.6	103.6
35–44 years . . . . .	358.7	299.4	314.5	227.9	223.2	198.9	202.9	201.6
45–54 years . . . . .	853.9	756.0	730.0	584.0	473.4	425.6	430.1	433.2
55–64 years . . . . .	1,901.0	1,735.1	1,658.8	1,346.3	1,196.9	992.2	952.4	940.9
65–74 years . . . . .	4,104.3	3,822.1	3,582.7	2,994.9	2,648.6	2,399.1	2,314.7	2,255.0
75–84 years . . . . .	9,331.1	8,745.2	8,004.4	6,692.6	6,007.2	5,666.5	5,556.9	5,463.1
85 years and over . . . . .	20,196.9	19,857.5	16,344.9	15,980.3	15,327.4	15,524.4	14,828.3	14,593.3
Male								
All ages, age adjusted <sup>2</sup> . . . . .	1,674.2	1,609.0	1,542.1	1,348.1	1,202.8	1,053.8	1,013.7	994.3
All ages, crude . . . . .	1,106.1	1,104.5	1,090.3	976.9	918.4	853.0	846.6	840.3
Under 1 year . . . . .	3,728.0	3,059.3	2,410.0	1,428.5	1,082.8	806.5	761.5	777.4
1–4 years . . . . .	151.7	119.5	93.2	72.6	52.4	35.9	35.2	35.1
5–14 years . . . . .	70.9	55.7	50.5	36.7	28.5	20.9	20.0	19.8
15–24 years . . . . .	167.9	152.1	188.5	172.3	147.4	114.9	117.3	116.5
25–34 years . . . . .	216.5	187.9	215.3	196.1	204.3	138.6	142.2	141.4
35–44 years . . . . .	428.8	372.8	402.6	299.2	310.4	255.2	257.5	255.0
45–54 years . . . . .	1,067.1	992.2	958.5	767.3	610.3	542.8	547.5	552.2
55–64 years . . . . .	2,395.3	2,309.5	2,282.7	1,815.1	1,553.4	1,230.7	1,184.0	1,165.5
65–74 years . . . . .	4,931.4	4,914.4	4,873.8	4,105.2	3,491.5	2,979.6	2,855.3	2,771.7
75–84 years . . . . .	10,426.0	10,178.4	10,010.2	8,816.7	7,888.6	6,972.6	6,760.5	6,641.8
85 years and over . . . . .	21,636.0	21,186.3	17,821.5	18,801.1	18,056.6	17,501.4	16,254.5	15,794.0
Female								
All ages, age adjusted <sup>2</sup> . . . . .	1,236.0	1,105.3	971.4	817.9	750.9	731.4	715.2	706.2
All ages, crude . . . . .	823.5	809.2	807.8	785.3	812.0	855.0	848.0	843.4
Under 1 year . . . . .	2,854.6	2,321.3	1,863.7	1,141.7	855.7	663.4	625.3	619.1
1–4 years . . . . .	126.7	98.4	75.4	54.7	41.0	28.7	27.0	27.8
5–14 years . . . . .	48.9	37.3	31.8	24.2	19.3	15.0	14.7	14.0
15–24 years . . . . .	89.1	61.3	68.1	57.5	49.0	43.1	43.7	44.4
25–34 years . . . . .	142.7	106.6	101.6	75.9	74.2	63.5	64.0	64.6
35–44 years . . . . .	290.3	229.4	231.1	159.3	137.9	143.2	148.8	148.5
45–54 years . . . . .	641.5	526.7	517.2	412.9	342.7	312.5	316.9	318.4
55–64 years . . . . .	1,404.8	1,196.4	1,098.9	934.3	878.8	772.2	738.0	732.7
65–74 years . . . . .	3,333.2	2,871.8	2,579.7	2,144.7	1,991.2	1,921.2	1,864.7	1,823.0
75–84 years . . . . .	8,399.6	7,633.1	6,677.6	5,440.1	4,883.1	4,814.7	4,757.9	4,675.5
85 years and over . . . . .	19,194.7	19,008.4	15,518.0	14,746.9	14,274.3	14,719.2	14,209.6	14,062.5
White male <sup>3</sup>								
All ages, age adjusted <sup>2</sup> . . . . .	1,642.5	1,586.0	1,513.7	1,317.6	1,165.9	1,029.4	992.9	973.9
All ages, crude . . . . .	1,089.5	1,098.5	1,086.7	983.3	930.9	887.8	884.0	877.6
Under 1 year . . . . .	3,400.5	2,694.1	2,113.2	1,230.3	896.1	667.6	650.9	658.7
1–4 years . . . . .	135.5	104.9	83.6	66.1	45.9	32.6	31.5	31.5
5–14 years . . . . .	67.2	52.7	48.0	35.0	26.4	19.8	18.4	18.4
15–24 years . . . . .	152.4	143.7	170.8	167.0	131.3	105.8	109.7	108.9
25–34 years . . . . .	185.3	163.2	176.6	171.3	176.1	124.1	128.3	128.8
35–44 years . . . . .	380.9	332.6	343.5	257.4	268.2	233.6	239.3	237.6
45–54 years . . . . .	984.5	932.2	882.9	698.9	548.7	496.9	505.4	509.2
55–64 years . . . . .	2,304.4	2,225.2	2,202.6	1,728.5	1,467.2	1,163.3	1,118.6	1,102.3
65–74 years . . . . .	4,864.9	4,848.4	4,810.1	4,035.7	3,397.7	2,905.7	2,795.4	2,707.3
75–84 years . . . . .	10,526.3	10,299.6	10,098.8	8,829.8	7,844.9	6,933.1	6,738.8	6,620.6
85 years and over . . . . .	22,116.3	21,750.0	18,551.7	19,097.3	18,268.3	17,716.4	16,473.2	16,037.9

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 35 (page 2 of 4). Death rates for all causes, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	2000	2002	2003
Black or African American male <sup>3</sup>								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>2</sup> . . . . .	1,909.1	1,811.1	1,873.9	1,697.8	1,644.5	1,403.5	1,341.4	1,319.1
All ages, crude . . . . .	1,257.7	1,181.7	1,186.6	1,034.1	1,008.0	834.1	816.7	813.7
Under 1 year . . . . .	---	5,306.8	4,298.9	2,586.7	2,112.4	1,567.6	1,351.5	1,410.0
1–4 years <sup>4</sup> . . . . .	1,412.6	208.5	150.5	110.5	85.8	54.5	54.4	53.7
5–14 years . . . . .	95.1	75.1	67.1	47.4	41.2	28.2	28.9	26.8
15–24 years . . . . .	289.7	212.0	320.6	209.1	252.2	181.4	172.6	171.3
25–34 years . . . . .	503.5	402.5	559.5	407.3	430.8	261.0	264.5	256.2
35–44 years . . . . .	878.1	762.0	956.6	689.8	699.6	453.0	434.7	426.7
45–54 years . . . . .	1,905.0	1,624.8	1,777.5	1,479.9	1,261.0	1,017.7	983.0	991.4
55–64 years . . . . .	3,773.2	3,316.4	3,256.9	2,873.0	2,618.4	2,080.1	2,039.2	2,011.2
65–74 years . . . . .	5,310.3	5,798.7	5,803.2	5,131.1	4,946.1	4,253.5	4,024.5	3,981.3
75–84 years <sup>5</sup> . . . . .	10,101.9	8,605.1	9,454.9	9,231.6	9,129.5	8,486.0	8,169.6	8,067.0
85 years and over . . . . .	---	14,844.8	12,222.3	16,098.8	16,954.9	16,791.0	15,635.5	14,903.4
American Indian or Alaska Native male <sup>3</sup>								
All ages, age adjusted <sup>2</sup> . . . . .	---	---	---	1,111.5	916.2	841.5	794.2	797.0
All ages, crude . . . . .	---	---	---	597.1	476.4	415.6	439.6	457.6
Under 1 year . . . . .	---	---	---	1,598.1	1,056.6	700.2	896.8	911.5
1–4 years . . . . .	---	---	---	82.7	77.4	44.9	48.3	57.3
5–14 years . . . . .	---	---	---	43.7	33.4	20.2	22.0	29.3
15–24 years . . . . .	---	---	---	311.1	219.8	136.2	145.1	153.1
25–34 years . . . . .	---	---	---	360.6	256.1	179.1	193.1	185.3
35–44 years . . . . .	---	---	---	556.8	365.4	295.2	321.5	338.1
45–54 years . . . . .	---	---	---	871.3	619.9	520.0	539.4	583.6
55–64 years . . . . .	---	---	---	1,547.5	1,211.3	1,090.4	1,059.2	1,058.3
65–74 years . . . . .	---	---	---	2,968.4	2,461.7	2,478.3	2,366.5	2,237.3
75–84 years . . . . .	---	---	---	5,607.0	5,389.2	5,351.2	4,748.3	4,644.0
85 years and over . . . . .	---	---	---	12,635.2	11,243.9	10,725.8	9,219.2	9,583.8
Asian or Pacific Islander male <sup>3</sup>								
All ages, age adjusted <sup>2</sup> . . . . .	---	---	---	786.5	716.4	624.2	578.4	562.7
All ages, crude . . . . .	---	---	---	375.3	334.3	332.9	331.4	330.0
Under 1 year . . . . .	---	---	---	816.5	605.3	529.4	461.9	496.9
1–4 years . . . . .	---	---	---	50.9	45.0	23.3	27.1	24.8
5–14 years . . . . .	---	---	---	23.4	20.7	12.9	14.4	14.6
15–24 years . . . . .	---	---	---	80.8	76.0	55.2	58.6	56.3
25–34 years . . . . .	---	---	---	83.5	79.6	55.0	54.5	53.8
35–44 years . . . . .	---	---	---	128.3	130.8	104.9	100.0	95.9
45–54 years . . . . .	---	---	---	342.3	287.1	249.7	248.4	242.6
55–64 years . . . . .	---	---	---	881.1	789.1	642.4	594.5	565.5
65–74 years . . . . .	---	---	---	2,236.1	2,041.4	1,661.0	1,487.1	1,472.8
75–84 years . . . . .	---	---	---	5,389.5	5,008.6	4,328.2	4,090.8	4,041.0
85 years and over . . . . .	---	---	---	13,753.6	12,446.3	12,125.3	10,938.5	10,391.7
Hispanic or Latino male <sup>3,6</sup>								
All ages, age adjusted <sup>2</sup> . . . . .	---	---	---	---	886.4	818.1	766.7	748.1
All ages, crude . . . . .	---	---	---	---	411.6	331.3	328.7	330.7
Under 1 year . . . . .	---	---	---	---	921.8	637.1	644.0	665.5
1–4 years . . . . .	---	---	---	---	53.8	31.5	34.2	33.8
5–14 years . . . . .	---	---	---	---	26.0	17.9	17.4	18.4
15–24 years . . . . .	---	---	---	---	159.3	107.7	114.4	112.9
25–34 years . . . . .	---	---	---	---	234.0	120.2	112.5	118.1
35–44 years . . . . .	---	---	---	---	341.8	211.0	192.5	189.8
45–54 years . . . . .	---	---	---	---	533.9	439.0	423.4	436.4
55–64 years . . . . .	---	---	---	---	1,123.7	965.7	937.4	920.8
65–74 years . . . . .	---	---	---	---	2,368.2	2,287.9	2,193.4	2,115.7
75–84 years . . . . .	---	---	---	---	5,369.1	5,395.3	5,043.5	4,948.5
85 years and over . . . . .	---	---	---	---	12,272.1	13,086.2	11,674.1	11,029.2

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 35 (page 3 of 4). Death rates for all causes, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	2000	2002	2003
Deaths per 100,000 resident population								
White, not Hispanic or Latino male <sup>6</sup>								
All ages, age adjusted <sup>2</sup>	---	---	---	---	1,170.9	1,035.4	1,002.2	984.0
All ages, crude	---	---	---	---	985.9	978.5	983.9	979.1
Under 1 year	---	---	---	---	865.4	658.7	643.5	647.2
1–4 years	---	---	---	---	43.8	32.4	30.3	30.2
5–14 years	---	---	---	---	25.7	20.0	18.3	18.1
15–24 years	---	---	---	---	123.4	103.5	106.7	105.9
25–34 years	---	---	---	---	165.3	123.0	130.9	129.9
35–44 years	---	---	---	---	257.1	233.9	244.9	243.8
45–54 years	---	---	---	---	544.5	497.7	509.9	513.2
55–64 years	---	---	---	---	1,479.7	1,170.9	1,126.5	1,110.5
65–74 years	---	---	---	---	3,434.5	2,930.5	2,824.1	2,738.5
75–84 years	---	---	---	---	7,920.4	6,977.8	6,801.7	6,692.2
85 years and over	---	---	---	---	18,505.4	17,853.2	16,641.9	16,234.4
White female <sup>3</sup>								
All ages, age adjusted <sup>2</sup>	1,198.0	1,074.4	944.0	796.1	728.8	715.3	701.3	693.1
All ages, crude	803.3	800.9	812.6	806.1	846.9	912.3	907.0	902.3
Under 1 year	2,566.8	2,007.7	1,614.6	962.5	690.0	550.5	519.4	520.7
1–4 years	112.2	85.2	66.1	49.3	36.1	25.5	24.5	25.5
5–14 years	45.1	34.7	29.9	22.9	17.9	14.1	13.7	13.1
15–24 years	71.5	54.9	61.6	55.5	45.9	41.1	42.4	43.2
25–34 years	112.8	85.0	84.1	65.4	61.5	55.1	56.9	58.0
35–44 years	235.8	191.1	193.3	138.2	117.4	125.7	133.2	132.9
45–54 years	546.4	458.8	462.9	372.7	309.3	281.4	286.8	287.2
55–64 years	1,293.8	1,078.9	1,014.9	876.2	822.7	730.9	698.7	693.7
65–74 years	3,242.8	2,779.3	2,470.7	2,066.6	1,923.5	1,868.3	1,819.7	1,780.6
75–84 years	8,481.5	7,696.6	6,698.7	5,401.7	4,839.1	4,785.3	4,742.5	4,671.6
85 years and over	19,679.5	19,477.7	15,980.2	14,979.6	14,400.6	14,890.7	14,382.8	14,240.6
Black or African American female <sup>3</sup>								
All ages, age adjusted <sup>2</sup>	1,545.5	1,369.7	1,228.7	1,033.3	975.1	927.6	901.8	885.6
All ages, crude	1,002.0	905.0	829.2	733.3	747.9	733.0	724.4	717.9
Under 1 year	---	4,162.2	3,368.8	2,123.7	1,735.5	1,279.8	1,172.0	1,132.2
1–4 years <sup>4</sup>	1,139.3	173.3	129.4	84.4	67.6	45.3	39.5	39.7
5–14 years	72.8	53.8	43.8	30.5	27.5	20.0	19.9	18.9
15–24 years	213.1	107.5	111.9	70.5	68.7	58.3	54.4	54.0
25–34 years	393.3	273.2	231.0	150.0	159.5	121.8	116.4	113.5
35–44 years	758.1	568.5	533.0	323.9	298.6	271.9	272.3	270.0
45–54 years	1,576.4	1,177.0	1,043.9	768.2	639.4	588.3	579.4	582.3
55–64 years	3,089.4	2,510.9	1,986.2	1,561.0	1,452.6	1,227.2	1,184.2	1,178.8
65–74 years	4,000.2	4,064.2	3,860.9	3,057.4	2,865.7	2,689.6	2,545.0	2,487.2
75–84 years <sup>5</sup>	8,347.0	6,730.0	6,691.5	6,212.1	5,688.3	5,696.5	5,584.4	5,385.5
85 years and over	---	13,052.6	10,706.6	12,367.2	13,309.5	13,941.3	13,734.2	13,616.7
American Indian or Alaska Native female <sup>3</sup>								
All ages, age adjusted <sup>2</sup>	---	---	---	662.4	561.8	604.5	581.1	592.1
All ages, crude	---	---	---	380.1	330.4	346.1	367.7	387.7
Under 1 year	---	---	---	1,352.6	688.7	492.2	744.1	676.2
1–4 years	---	---	---	87.5	37.8	39.8	42.0	43.0
5–14 years	---	---	---	33.5	25.5	17.7	21.2	17.9
15–24 years	---	---	---	90.3	69.0	58.9	61.7	61.5
25–34 years	---	---	---	178.5	102.3	84.8	87.5	88.7
35–44 years	---	---	---	286.0	156.4	171.9	176.8	196.0
45–54 years	---	---	---	491.4	380.9	284.9	324.7	364.4
55–64 years	---	---	---	837.1	805.9	772.1	747.5	785.0
65–74 years	---	---	---	1,765.5	1,679.4	1,899.8	1,828.9	1,710.7
75–84 years	---	---	---	3,612.9	3,073.2	3,850.0	3,667.4	3,834.3
85 years and over	---	---	---	8,567.4	8,201.1	9,118.2	7,866.4	7,920.2

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 35 (page 4 of 4). Death rates for all causes, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	2000	2002	2003
Asian or Pacific Islander female <sup>3</sup>								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>2</sup>	---	---	---	425.9	469.3	416.8	395.9	392.7
All ages, crude	---	---	---	222.5	234.3	262.3	269.7	279.2
Under 1 year	---	---	---	755.8	518.2	434.3	391.4	427.5
1–4 years	---	---	---	35.4	32.0	20.0	19.6	20.1
5–14 years	---	---	---	21.5	13.0	11.7	10.4	11.5
15–24 years	---	---	---	32.3	28.8	22.4	23.8	28.8
25–34 years	---	---	---	45.4	37.5	27.6	26.6	29.9
35–44 years	---	---	---	89.7	69.9	65.6	53.9	58.2
45–54 years	---	---	---	214.1	182.7	155.5	149.5	150.8
55–64 years	---	---	---	440.8	483.4	390.9	372.0	359.2
65–74 years	---	---	---	1,027.7	1,089.2	996.4	1,024.7	989.9
75–84 years	---	---	---	2,833.6	3,127.9	2,882.4	2,713.6	2,681.8
85 years and over	---	---	---	7,923.3	10,254.0	9,052.2	8,400.6	8,329.2
Hispanic or Latino female <sup>3,6</sup>								
All ages, age adjusted <sup>2</sup>	---	---	---	---	537.1	546.0	518.3	515.8
All ages, crude	---	---	---	---	285.4	274.6	274.0	279.3
Under 1 year	---	---	---	---	746.6	553.6	539.1	552.4
1–4 years	---	---	---	---	42.1	27.5	25.3	26.3
5–14 years	---	---	---	---	17.3	13.4	13.5	12.8
15–24 years	---	---	---	---	40.6	31.7	34.1	35.5
25–34 years	---	---	---	---	62.9	43.4	40.0	43.0
35–44 years	---	---	---	---	109.3	100.5	94.9	95.5
45–54 years	---	---	---	---	253.3	223.8	219.8	219.1
55–64 years	---	---	---	---	607.5	548.4	524.3	527.9
65–74 years	---	---	---	---	1,453.8	1,423.2	1,368.7	1,342.9
75–84 years	---	---	---	---	3,351.3	3,624.5	3,526.4	3,506.4
85 years and over	---	---	---	---	10,098.7	11,202.8	10,186.0	10,128.1
White, not Hispanic or Latino female <sup>6</sup>								
All ages, age adjusted <sup>2</sup>	---	---	---	---	734.6	721.5	709.9	702.1
All ages, crude	---	---	---	---	903.6	1,007.3	1,010.6	1,007.6
Under 1 year	---	---	---	---	655.3	530.9	504.8	502.5
1–4 years	---	---	---	---	34.0	24.4	23.8	24.9
5–14 years	---	---	---	---	17.6	13.9	13.6	12.9
15–24 years	---	---	---	---	46.0	42.6	43.8	44.3
25–34 years	---	---	---	---	60.6	56.8	60.3	61.2
35–44 years	---	---	---	---	116.8	128.1	138.3	138.0
45–54 years	---	---	---	---	312.1	285.0	292.1	293.1
55–64 years	---	---	---	---	834.5	742.1	710.5	705.0
65–74 years	---	---	---	---	1,940.2	1,891.0	1,846.0	1,807.9
75–84 years	---	---	---	---	4,887.3	4,819.3	4,787.9	4,720.5
85 years and over	---	---	---	---	14,533.1	14,971.7	14,504.3	14,377.2

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>3</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated.

See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>4</sup>In 1950, rate is for the age group under 5 years.

<sup>5</sup>In 1950, rate is for the age group 75 years and over.

<sup>6</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office, 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from:

www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm; Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 36 (page 1 of 3). Death rates for diseases of heart, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>4</sup> . . . . .	586.8	559.0	492.7	412.1	321.8	257.6	240.8	232.3
All ages, crude . . . . .	355.5	369.0	362.0	336.0	289.5	252.6	241.7	235.6
Under 1 year . . . . .	3.5	6.6	13.1	22.8	20.1	13.0	12.4	11.0
1–4 years . . . . .	1.3	1.3	1.7	2.6	1.9	1.2	1.1	1.2
5–14 years . . . . .	2.1	1.3	0.8	0.9	0.9	0.7	0.6	0.6
15–24 years . . . . .	6.8	4.0	3.0	2.9	2.5	2.6	2.5	2.7
25–34 years . . . . .	19.4	15.6	11.4	8.3	7.6	7.4	7.9	8.2
35–44 years . . . . .	86.4	74.6	66.7	44.6	31.4	29.2	30.5	30.7
45–54 years . . . . .	308.6	271.8	238.4	180.2	120.5	94.2	93.7	92.5
55–64 years . . . . .	808.1	737.9	652.3	494.1	367.3	261.2	241.5	233.2
65–74 years . . . . .	1,839.8	1,740.5	1,558.2	1,218.6	894.3	665.6	615.9	585.0
75–84 years . . . . .	4,310.1	4,089.4	3,683.8	2,993.1	2,295.7	1,780.3	1,677.2	1,611.1
85 years and over . . . . .	9,150.6	9,317.8	7,891.3	7,777.1	6,739.9	5,926.1	5,446.8	5,278.4
Male								
All ages, age adjusted <sup>4</sup> . . . . .	697.0	687.6	634.0	538.9	412.4	320.0	297.4	286.6
All ages, crude . . . . .	423.4	439.5	422.5	368.6	297.6	249.8	240.7	235.0
Under 1 year . . . . .	4.0	7.8	15.1	25.5	21.9	13.3	12.9	12.1
1–4 years . . . . .	1.4	1.4	1.9	2.8	1.9	1.4	1.1	1.1
5–14 years . . . . .	2.0	1.4	0.9	1.0	0.9	0.8	0.7	0.7
15–24 years . . . . .	6.8	4.2	3.7	3.7	3.1	3.2	3.3	3.4
25–34 years . . . . .	22.9	20.1	15.2	11.4	10.3	9.6	10.5	10.5
35–44 years . . . . .	118.4	112.7	103.2	68.7	48.1	41.4	43.1	42.8
45–54 years . . . . .	440.5	420.4	376.4	282.6	183.0	140.2	138.4	136.2
55–64 years . . . . .	1,104.5	1,066.9	987.2	746.8	537.3	371.7	343.4	331.7
65–74 years . . . . .	2,292.3	2,291.3	2,170.3	1,728.0	1,250.0	898.3	827.1	785.3
75–84 years . . . . .	4,825.0	4,742.4	4,534.8	3,834.3	2,968.2	2,248.1	2,110.1	2,030.3
85 years and over . . . . .	9,659.8	9,788.9	8,426.2	8,752.7	7,418.4	6,430.0	5,823.5	5,621.5
Female								
All ages, age adjusted <sup>4</sup> . . . . .	484.7	447.0	381.6	320.8	257.0	210.9	197.2	190.3
All ages, crude . . . . .	288.4	300.6	304.5	305.1	281.8	255.3	242.7	236.2
Under 1 year . . . . .	2.9	5.4	10.9	20.0	18.3	12.5	11.8	9.8
1–4 years . . . . .	1.2	1.1	1.6	2.5	1.9	1.0	1.0	1.3
5–14 years . . . . .	2.2	1.2	0.8	0.9	0.8	0.5	0.6	0.5
15–24 years . . . . .	6.7	3.7	2.3	2.1	1.8	2.1	1.7	2.1
25–34 years . . . . .	16.2	11.3	7.7	5.3	5.0	5.2	5.2	5.7
35–44 years . . . . .	55.1	38.2	32.2	21.4	15.1	17.2	18.0	18.6
45–54 years . . . . .	177.2	127.5	109.9	84.5	61.0	49.8	50.6	50.2
55–64 years . . . . .	510.0	429.4	351.6	272.1	215.7	159.3	147.2	141.9
65–74 years . . . . .	1,419.3	1,261.3	1,082.7	828.6	616.8	474.0	440.1	417.5
75–84 years . . . . .	3,872.0	3,582.7	3,120.8	2,497.0	1,893.8	1,475.1	1,389.7	1,331.1
85 years and over . . . . .	8,796.1	9,016.8	7,591.8	7,350.5	6,478.1	5,720.9	5,283.3	5,126.7
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	700.2	694.5	640.2	539.6	409.2	316.7	294.1	282.9
All ages, crude . . . . .	433.0	454.6	438.3	384.0	312.7	265.8	256.0	249.5
45–54 years . . . . .	423.6	413.2	365.7	269.8	170.6	130.7	128.6	125.3
55–64 years . . . . .	1,081.7	1,056.0	979.3	730.6	516.7	351.8	324.0	313.2
65–74 years . . . . .	2,308.3	2,297.9	2,177.2	1,729.7	1,230.5	877.8	807.8	761.1
75–84 years . . . . .	4,907.3	4,839.9	4,617.6	3,883.2	2,983.4	2,247.0	2,112.0	2,030.1
85 years and over . . . . .	9,950.5	10,135.8	8,818.0	8,958.0	7,558.7	6,560.8	5,939.8	5,747.2
Black or African American male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	639.4	615.2	607.3	561.4	485.4	392.5	371.0	364.3
All ages, crude . . . . .	346.2	330.6	330.3	301.0	256.8	211.1	206.3	206.0
45–54 years . . . . .	622.5	514.0	512.8	433.4	328.9	247.2	246.0	248.1
55–64 years . . . . .	1,433.1	1,236.8	1,135.4	987.2	824.0	631.2	605.3	580.9
65–74 years . . . . .	2,139.1	2,281.4	2,237.8	1,847.2	1,632.9	1,268.8	1,192.7	1,195.5
75–84 years <sup>6</sup> . . . . .	4,106.1	3,533.6	3,783.4	3,578.8	3,107.1	2,597.6	2,449.6	2,426.6
85 years and over . . . . .	---	6,037.9	5,367.6	6,819.5	6,479.6	5,633.5	5,125.7	4,850.3

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 36 (page 2 of 3). Death rates for diseases of heart, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	320.5	264.1	222.2	201.2	203.2
All ages, crude . . . . .	---	---	---	130.6	108.0	90.1	92.0	98.5
45–54 years . . . . .	---	---	---	238.1	173.8	108.5	104.2	116.7
55–64 years . . . . .	---	---	---	496.3	411.0	285.0	273.2	293.5
65–74 years . . . . .	---	---	---	1,009.4	839.1	748.2	638.4	655.6
75–84 years . . . . .	---	---	---	2,062.2	1,788.8	1,655.7	1,422.7	1,309.9
85 years and over . . . . .	---	---	---	4,413.7	3,860.3	3,318.3	3,162.4	3,266.5
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	286.9	220.7	185.5	169.8	158.3
All ages, crude . . . . .	---	---	---	119.8	88.7	90.6	89.4	86.3
45–54 years . . . . .	---	---	---	112.0	70.4	61.1	60.6	62.7
55–64 years . . . . .	---	---	---	306.7	226.1	182.6	154.2	152.9
65–74 years . . . . .	---	---	---	852.4	623.5	482.5	422.4	398.3
75–84 years . . . . .	---	---	---	2,010.9	1,642.2	1,354.7	1,252.4	1,145.1
85 years and over . . . . .	---	---	---	5,923.0	4,617.8	4,154.2	3,841.3	3,524.6
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	270.0	238.2	219.8	206.8
All ages, crude . . . . .	---	---	---	---	91.0	74.7	74.0	72.2
45–54 years . . . . .	---	---	---	---	116.4	84.3	80.5	79.6
55–64 years . . . . .	---	---	---	---	363.0	264.8	256.0	235.6
65–74 years . . . . .	---	---	---	---	829.9	684.8	657.7	625.0
75–84 years . . . . .	---	---	---	---	1,971.3	1,733.2	1,599.5	1,543.5
85 years and over . . . . .	---	---	---	---	4,711.9	4,897.5	4,301.8	3,874.5
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	413.6	319.9	297.7	286.9
All ages, crude . . . . .	---	---	---	---	336.5	297.5	289.2	282.9
45–54 years . . . . .	---	---	---	---	172.8	134.3	133.1	129.8
55–64 years . . . . .	---	---	---	---	521.3	356.3	327.6	317.7
65–74 years . . . . .	---	---	---	---	1,243.4	885.1	813.5	767.3
75–84 years . . . . .	---	---	---	---	3,007.7	2,261.9	2,129.9	2,049.9
85 years and over . . . . .	---	---	---	---	7,663.4	6,606.6	5,994.1	5,821.0
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	478.0	441.7	376.7	315.9	250.9	205.6	192.1	185.4
All ages, crude . . . . .	289.4	306.5	313.8	319.2	298.4	274.5	261.0	253.8
45–54 years . . . . .	141.9	103.4	91.4	71.2	50.2	40.9	41.7	41.1
55–64 years . . . . .	460.2	383.0	317.7	248.1	192.4	141.3	130.6	125.2
65–74 years . . . . .	1,400.9	1,229.8	1,044.0	796.7	583.6	445.2	414.7	392.0
75–84 years . . . . .	3,925.2	3,629.7	3,143.5	2,493.6	1,874.3	1,452.4	1,368.2	1,315.2
85 years and over . . . . .	9,084.7	9,280.8	7,839.9	7,501.6	6,563.4	5,801.4	5,350.6	5,193.6
<b>Black or African American female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	536.9	488.9	435.6	378.6	327.5	277.6	263.2	253.8
All ages, crude . . . . .	287.6	268.5	261.0	249.7	237.0	212.6	205.0	200.0
45–54 years . . . . .	525.3	360.7	290.9	202.4	155.3	125.0	124.9	124.1
55–64 years . . . . .	1,210.2	952.3	710.5	530.1	442.0	332.8	312.3	304.7
65–74 years . . . . .	1,659.4	1,680.5	1,553.2	1,210.3	1,017.5	815.2	734.0	712.0
75–84 years <sup>6</sup> . . . . .	3,499.3	2,926.9	2,964.1	2,707.2	2,250.9	1,913.1	1,821.9	1,699.6
85 years and over . . . . .	---	5,650.0	5,003.8	5,796.5	5,766.1	5,298.7	5,111.2	4,976.5

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 36 (page 3 of 3). Death rates for diseases of heart, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	175.4	153.1	143.6	123.6	127.5
All ages, crude	---	---	---	80.3	77.5	71.9	68.5	75.9
45–54 years	---	---	---	65.2	62.0	40.2	29.7	45.4
55–64 years	---	---	---	193.5	197.0	149.4	124.3	153.4
65–74 years	---	---	---	577.2	492.8	391.8	365.8	390.3
75–84 years	---	---	---	1,364.3	1,050.3	1,044.1	1,002.5	950.3
85 years and over	---	---	---	2,893.3	2,868.7	3,146.3	2,372.5	2,284.1
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	132.3	149.2	115.7	108.1	104.2
All ages, crude	---	---	---	57.0	62.0	65.0	67.4	68.2
45–54 years	---	---	---	28.6	17.5	15.9	16.4	14.8
55–64 years	---	---	---	92.9	99.0	68.8	61.8	60.3
65–74 years	---	---	---	313.3	323.9	229.6	239.9	207.2
75–84 years	---	---	---	1,053.2	1,130.9	866.2	796.9	769.7
85 years and over	---	---	---	3,211.0	4,161.2	3,367.2	3,067.4	3,020.0
<b>Hispanic or Latino female<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	177.2	163.7	149.7	145.8
All ages, crude	---	---	---	---	79.4	71.5	69.7	69.6
45–54 years	---	---	---	---	43.5	28.2	30.2	27.0
55–64 years	---	---	---	---	153.2	111.2	105.7	102.1
65–74 years	---	---	---	---	460.4	366.3	346.4	330.6
75–84 years	---	---	---	---	1,259.7	1,169.4	1,090.8	1,067.0
85 years and over	---	---	---	---	4,440.3	4,605.8	4,032.8	3,962.5
<b>White, not Hispanic or Latino female<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	252.6	206.8	193.7	187.1
All ages, crude	---	---	---	---	320.0	304.9	292.3	285.1
45–54 years	---	---	---	---	50.2	41.9	42.6	42.4
55–64 years	---	---	---	---	193.6	142.9	132.0	126.6
65–74 years	---	---	---	---	584.7	448.5	417.4	394.8
75–84 years	---	---	---	---	1,890.2	1,458.9	1,377.2	1,324.0
85 years and over	---	---	---	---	6,615.2	5,822.7	5,384.5	5,232.2

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. For the period 1980–1998, diseases of heart was coded using ICD–9 codes that are most nearly comparable with diseases of heart codes in the 113 cause list for ICD–10. See Appendix II, Cause of death; table V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; numerator data from annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 37 (page 1 of 3). Death rates for cerebrovascular diseases, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted <sup>4</sup> . . . . .	180.7	177.9	147.7	96.2	65.3	60.9	56.2	53.5
All ages, crude . . . . .	104.0	108.0	101.9	75.0	57.8	59.6	56.4	54.2
Under 1 year . . . . .	5.1	4.1	5.0	4.4	3.8	3.3	2.9	2.5
1–4 years . . . . .	0.9	0.8	1.0	0.5	0.3	0.3	0.3	0.3
5–14 years . . . . .	0.5	0.7	0.7	0.3	0.2	0.2	0.2	0.2
15–24 years . . . . .	1.6	1.8	1.6	1.0	0.6	0.5	0.4	0.5
25–34 years . . . . .	4.2	4.7	4.5	2.6	2.2	1.5	1.4	1.5
35–44 years . . . . .	18.7	14.7	15.6	8.5	6.4	5.8	5.4	5.5
45–54 years . . . . .	70.4	49.2	41.6	25.2	18.7	16.0	15.1	15.0
55–64 years . . . . .	194.2	147.3	115.8	65.1	47.9	41.0	37.2	35.6
65–74 years . . . . .	554.7	469.2	384.1	219.0	144.2	128.6	120.3	112.9
75–84 years . . . . .	1,499.6	1,491.3	1,254.2	786.9	498.0	461.3	431.0	410.7
85 years and over . . . . .	2,990.1	3,680.5	3,014.3	2,283.7	1,628.9	1,589.2	1,445.9	1,370.1
Male								
All ages, age adjusted <sup>4</sup> . . . . .	186.4	186.1	157.4	102.2	68.5	62.4	56.5	54.1
All ages, crude . . . . .	102.5	104.5	94.5	63.4	46.7	46.9	44.2	42.9
Under 1 year . . . . .	6.4	5.0	5.8	5.0	4.4	3.8	3.2	2.8
1–4 years . . . . .	1.1	0.9	1.2	0.4	0.3	*	0.4	0.3
5–14 years . . . . .	0.5	0.7	0.8	0.3	0.2	0.2	0.2	0.2
15–24 years . . . . .	1.8	1.9	1.8	1.1	0.7	0.5	0.5	0.5
25–34 years . . . . .	4.2	4.5	4.4	2.6	2.1	1.5	1.4	1.6
35–44 years . . . . .	17.5	14.6	15.7	8.7	6.8	5.8	5.3	5.8
45–54 years . . . . .	67.9	52.2	44.4	27.2	20.5	17.5	16.7	16.7
55–64 years . . . . .	205.2	163.8	138.7	74.6	54.3	47.2	42.7	40.8
65–74 years . . . . .	589.6	530.7	449.5	258.6	166.6	145.0	135.0	127.8
75–84 years . . . . .	1,543.6	1,555.9	1,361.6	866.3	551.1	490.8	445.9	431.4
85 years and over . . . . .	3,048.6	3,643.1	2,895.2	2,193.6	1,528.5	1,484.3	1,317.9	1,236.0
Female								
All ages, age adjusted <sup>4</sup> . . . . .	175.8	170.7	140.0	91.7	62.6	59.1	55.2	52.3
All ages, crude . . . . .	105.6	111.4	109.0	85.9	68.4	71.8	68.2	65.1
Under 1 year . . . . .	3.7	3.2	4.0	3.8	3.1	2.7	2.5	2.2
1–4 years . . . . .	0.7	0.7	0.7	0.5	0.3	0.4	0.3	0.3
5–14 years . . . . .	0.4	0.6	0.6	0.3	0.2	0.2	0.2	0.1
15–24 years . . . . .	1.5	1.6	1.4	0.8	0.6	0.5	0.3	0.5
25–34 years . . . . .	4.3	4.9	4.7	2.6	2.2	1.5	1.4	1.4
35–44 years . . . . .	19.9	14.8	15.6	8.4	6.1	5.7	5.5	5.3
45–54 years . . . . .	72.9	46.3	39.0	23.3	17.0	14.5	13.6	13.4
55–64 years . . . . .	183.1	131.8	95.3	56.8	42.2	35.3	32.1	30.9
65–74 years . . . . .	522.1	415.7	333.3	188.7	126.7	115.1	108.1	100.5
75–84 years . . . . .	1,462.2	1,441.1	1,183.1	740.1	466.2	442.1	421.2	396.8
85 years and over . . . . .	2,949.4	3,704.4	3,081.0	2,323.1	1,667.6	1,632.0	1,501.5	1,429.4
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	182.1	181.6	153.7	98.7	65.5	59.8	54.2	51.7
All ages, crude . . . . .	100.5	102.7	93.5	63.1	46.9	48.4	45.7	44.2
45–54 years . . . . .	53.7	40.9	35.6	21.7	15.4	13.6	12.9	12.9
55–64 years . . . . .	182.2	139.0	119.9	64.0	45.7	39.7	35.6	33.3
65–74 years . . . . .	569.7	501.0	420.0	239.8	152.9	133.8	123.8	117.3
75–84 years . . . . .	1,556.3	1,564.8	1,361.6	852.7	539.2	480.0	437.5	422.4
85 years and over . . . . .	3,127.1	3,734.8	3,018.1	2,230.8	1,545.4	1,490.7	1,327.4	1,247.0
Black or African American male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	228.8	238.5	206.4	142.0	102.2	89.6	81.7	79.5
All ages, crude . . . . .	122.0	122.9	108.8	73.0	53.0	46.1	43.5	43.2
45–54 years . . . . .	211.9	166.1	136.1	82.1	68.4	49.5	46.5	46.9
55–64 years . . . . .	522.8	439.9	343.4	189.7	141.7	115.4	110.3	112.1
65–74 years . . . . .	783.6	899.2	780.1	472.3	326.9	268.5	262.9	237.4
75–84 years <sup>6</sup> . . . . .	1,504.9	1,475.2	1,445.7	1,066.3	721.5	659.2	587.8	588.9
85 years and over . . . . .	---	2,700.0	1,963.1	1,873.2	1,421.5	1,458.8	1,252.2	1,180.3

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 37 (page 2 of 3). Death rates for cerebrovascular diseases, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	66.4	44.3	46.1	37.1	34.9
All ages, crude . . . . .	---	---	---	23.1	16.0	16.8	15.4	15.6
45–54 years . . . . .	---	---	---	*	*	13.3	15.4	15.5
55–64 years . . . . .	---	---	---	72.0	39.8	48.6	34.5	30.7
65–74 years . . . . .	---	---	---	170.5	120.3	144.7	96.6	101.4
75–84 years . . . . .	---	---	---	523.9	325.9	373.3	276.4	280.7
85 years and over . . . . .	---	---	---	1,384.7	949.8	834.9	768.3	596.9
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	71.4	59.1	58.0	50.8	48.5
All ages, crude . . . . .	---	---	---	28.7	23.3	27.2	25.9	26.0
45–54 years . . . . .	---	---	---	17.0	15.6	15.0	14.9	14.7
55–64 years . . . . .	---	---	---	59.9	51.8	49.3	40.4	42.2
65–74 years . . . . .	---	---	---	197.9	167.9	135.6	112.9	128.3
75–84 years . . . . .	---	---	---	619.5	483.9	438.7	390.3	355.7
85 years and over . . . . .	---	---	---	1,399.0	1,196.6	1,415.6	1,233.6	1,093.0
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	46.5	50.5	44.3	43.0
All ages, crude . . . . .	---	---	---	---	15.6	15.8	15.0	14.9
45–54 years . . . . .	---	---	---	---	20.0	18.1	18.6	18.1
55–64 years . . . . .	---	---	---	---	49.2	48.8	45.0	43.5
65–74 years . . . . .	---	---	---	---	126.4	136.1	124.6	113.9
75–84 years . . . . .	---	---	---	---	356.6	392.9	338.5	337.1
85 years and over . . . . .	---	---	---	---	866.3	1,029.9	856.7	837.4
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	66.3	59.9	54.4	51.9
All ages, crude . . . . .	---	---	---	---	50.6	53.9	51.3	49.7
45–54 years . . . . .	---	---	---	---	14.9	13.0	12.1	12.1
55–64 years . . . . .	---	---	---	---	45.1	38.7	34.5	32.1
65–74 years . . . . .	---	---	---	---	154.5	133.1	123.2	116.9
75–84 years . . . . .	---	---	---	---	547.3	482.3	441.1	426.0
85 years and over . . . . .	---	---	---	---	1,578.7	1,505.9	1,345.9	1,264.2
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	169.7	165.0	135.5	89.0	60.3	57.3	53.4	50.5
All ages, crude . . . . .	103.3	110.1	109.8	88.6	71.6	76.9	73.0	69.5
45–54 years . . . . .	55.0	33.8	30.5	18.6	13.5	11.2	10.4	10.0
55–64 years . . . . .	156.9	103.0	78.1	48.6	35.8	30.2	27.4	25.8
65–74 years . . . . .	498.1	383.3	303.2	172.5	116.1	107.3	99.5	92.1
75–84 years . . . . .	1,471.3	1,444.7	1,176.8	728.8	456.5	434.2	414.1	389.9
85 years and over . . . . .	3,017.9	3,795.7	3,167.6	2,362.7	1,685.9	1,646.7	1,516.9	1,442.1
<b>Black or African American female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	238.4	232.5	189.3	119.6	84.0	76.2	71.8	69.8
All ages, crude . . . . .	128.3	127.7	112.2	77.8	60.7	58.3	55.8	54.8
45–54 years . . . . .	248.9	166.2	119.4	61.8	44.1	38.1	35.7	36.0
55–64 years . . . . .	567.7	452.0	272.4	138.4	96.9	76.4	70.1	71.8
65–74 years . . . . .	754.4	830.5	673.5	361.7	236.7	190.9	181.2	175.3
75–84 years <sup>6</sup> . . . . .	1,496.7	1,413.1	1,338.3	917.5	595.0	549.2	532.2	498.3
85 years and over . . . . .	---	2,578.9	2,210.5	1,891.6	1,495.2	1,556.5	1,434.3	1,414.2

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 37 (page 3 of 3). Death rates for cerebrovascular diseases, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	51.2	38.4	43.7	38.0	34.2
All ages, crude	---	---	---	22.0	19.3	21.5	21.5	19.9
45–54 years	---	---	---	*	*	14.4	13.5	14.6
55–64 years	---	---	---	*	40.7	37.9	33.1	26.0
65–74 years	---	---	---	128.3	100.5	79.5	112.4	94.8
75–84 years	---	---	---	404.2	282.0	391.1	304.8	304.7
85 years and over	---	---	---	1,095.5	776.2	931.5	689.9	569.1
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	60.8	54.9	49.1	45.4	42.6
All ages, crude	---	---	---	26.4	24.3	28.7	29.2	28.8
45–54 years	---	---	---	20.3	19.7	13.3	12.6	12.6
55–64 years	---	---	---	43.7	42.1	33.3	32.1	30.8
65–74 years	---	---	---	136.1	124.0	102.8	112.5	95.6
75–84 years	---	---	---	446.6	396.6	386.0	331.7	330.2
85 years and over	---	---	---	1,545.2	1,395.0	1,246.6	1,149.8	1,042.4
<b>Hispanic or Latino female<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	43.7	43.0	38.6	38.1
All ages, crude	---	---	---	---	20.1	19.4	18.4	18.6
45–54 years	---	---	---	---	15.2	12.4	12.0	11.7
55–64 years	---	---	---	---	38.5	31.9	27.6	27.8
65–74 years	---	---	---	---	102.6	95.2	85.6	86.0
75–84 years	---	---	---	---	308.5	311.3	307.2	302.8
85 years and over	---	---	---	---	1,055.3	1,108.9	918.5	902.3
<b>White, not Hispanic or Latino female<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	61.0	57.6	53.9	50.8
All ages, crude	---	---	---	---	77.2	85.5	82.1	78.2
45–54 years	---	---	---	---	13.2	10.9	10.1	9.7
55–64 years	---	---	---	---	35.7	29.9	27.2	25.5
65–74 years	---	---	---	---	116.9	107.6	100.2	92.1
75–84 years	---	---	---	---	461.9	438.3	418.4	393.6
85 years and over	---	---	---	---	1,714.7	1,661.6	1,536.7	1,461.3

--- Data not available.

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. For the period 1980–1998, cerebrovascular diseases was coded using ICD–9 codes that are most nearly comparable with cerebrovascular diseases codes in the 113 cause list for ICD–10. See Appendix II, Cause of death; table V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office. 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 38 (page 1 of 4). Death rates for malignant neoplasms, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>4</sup> . . . . .	193.9	193.9	198.6	207.9	216.0	199.6	193.5	190.1
All ages, crude . . . . .	139.8	149.2	162.8	183.9	203.2	196.5	193.2	191.5
Under 1 year . . . . .	8.7	7.2	4.7	3.2	2.3	2.4	1.8	1.9
1–4 years . . . . .	11.7	10.9	7.5	4.5	3.5	2.7	2.6	2.5
5–14 years . . . . .	6.7	6.8	6.0	4.3	3.1	2.5	2.6	2.6
15–24 years . . . . .	8.6	8.3	8.3	6.3	4.9	4.4	4.3	4.0
25–34 years . . . . .	20.0	19.5	16.5	13.7	12.6	9.8	9.7	9.4
35–44 years . . . . .	62.7	59.7	59.5	48.6	43.3	36.6	35.8	35.0
45–54 years . . . . .	175.1	177.0	182.5	180.0	158.9	127.5	123.8	122.2
55–64 years . . . . .	390.7	396.8	423.0	436.1	449.6	366.7	351.1	343.0
65–74 years . . . . .	698.8	713.9	754.2	817.9	872.3	816.3	792.1	770.3
75–84 years . . . . .	1,153.3	1,127.4	1,169.2	1,232.3	1,348.5	1,335.6	1,311.9	1,302.5
85 years and over . . . . .	1,451.0	1,450.0	1,320.7	1,594.6	1,752.9	1,819.4	1,723.9	1,698.2
Male								
All ages, age adjusted <sup>4</sup> . . . . .	208.1	225.1	247.6	271.2	280.4	248.9	238.9	233.3
All ages, crude . . . . .	142.9	162.5	182.1	205.3	221.3	207.2	203.8	201.3
Under 1 year . . . . .	9.7	7.7	4.4	3.7	2.4	2.6	2.0	1.7
1–4 years . . . . .	12.5	12.4	8.3	5.2	3.7	3.0	2.7	2.8
5–14 years . . . . .	7.4	7.6	6.7	4.9	3.5	2.7	2.9	2.8
15–24 years . . . . .	9.7	10.2	10.4	7.8	5.7	5.1	4.9	4.6
25–34 years . . . . .	17.7	18.8	16.3	13.4	12.6	9.2	9.2	8.9
35–44 years . . . . .	45.6	48.9	53.0	44.0	38.5	32.7	31.5	30.8
45–54 years . . . . .	156.2	170.8	183.5	188.7	162.5	130.9	128.0	127.4
55–64 years . . . . .	413.1	459.9	511.8	520.8	532.9	415.8	399.8	386.8
65–74 years . . . . .	791.5	890.5	1,006.8	1,093.2	1,122.2	1,001.9	964.8	931.7
75–84 years . . . . .	1,332.6	1,389.4	1,588.3	1,790.5	1,914.4	1,760.6	1,711.3	1,695.4
85 years and over . . . . .	1,668.3	1,741.2	1,720.8	2,369.5	2,739.9	2,710.7	2,491.1	2,413.8
Female								
All ages, age adjusted <sup>4</sup> . . . . .	182.3	168.7	163.2	166.7	175.7	167.6	163.1	160.9
All ages, crude . . . . .	136.8	136.4	144.4	163.6	186.0	186.2	183.0	182.0
Under 1 year . . . . .	7.6	6.8	5.0	2.7	2.2	2.3	1.6	2.1
1–4 years . . . . .	10.8	9.3	6.7	3.7	3.2	2.5	2.4	2.1
5–14 years . . . . .	6.0	6.0	5.2	3.6	2.8	2.2	2.4	2.4
15–24 years . . . . .	7.6	6.5	6.2	4.8	4.1	3.6	3.6	3.4
25–34 years . . . . .	22.2	20.1	16.7	14.0	12.6	10.4	10.2	9.9
35–44 years . . . . .	79.3	70.0	65.6	53.1	48.1	40.4	40.0	39.1
45–54 years . . . . .	194.0	183.0	181.5	171.8	155.5	124.2	119.8	117.1
55–64 years . . . . .	368.2	337.7	343.2	361.7	375.2	321.3	306.0	302.3
65–74 years . . . . .	612.3	560.2	557.9	607.1	677.4	663.6	648.5	635.3
75–84 years . . . . .	1,000.7	924.1	891.9	903.1	1,010.3	1,058.5	1,046.7	1,040.1
85 years and over . . . . .	1,299.7	1,263.9	1,096.7	1,255.7	1,372.1	1,456.4	1,391.1	1,381.9
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	210.0	224.7	244.8	265.1	272.2	243.9	235.2	230.1
All ages, crude . . . . .	147.2	166.1	185.1	208.7	227.7	218.1	215.5	213.1
25–34 years . . . . .	17.7	18.8	16.2	13.6	12.3	9.2	9.1	8.9
35–44 years . . . . .	44.5	46.3	50.1	41.1	35.8	30.9	30.5	29.9
45–54 years . . . . .	150.8	164.1	172.0	175.4	149.9	123.5	121.8	119.9
55–64 years . . . . .	409.4	450.9	498.1	497.4	508.2	401.9	386.0	375.6
65–74 years . . . . .	798.7	887.3	997.0	1,070.7	1,090.7	984.3	954.8	922.7
75–84 years . . . . .	1,367.6	1,413.7	1,592.7	1,779.7	1,883.2	1,736.0	1,695.3	1,683.6
85 years and over . . . . .	1,732.7	1,791.4	1,772.2	2,375.6	2,715.1	2,693.7	2,486.8	2,412.1
Black or African American male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	178.9	227.6	291.9	353.4	397.9	340.3	319.6	308.8
All ages, crude . . . . .	106.6	136.7	171.6	205.5	221.9	188.5	181.5	178.3
25–34 years . . . . .	18.0	18.4	18.8	14.1	15.7	10.1	11.2	10.3
35–44 years . . . . .	55.7	72.9	81.3	73.8	64.3	48.4	43.0	41.7
45–54 years . . . . .	211.7	244.7	311.2	333.0	302.6	214.2	197.3	207.0
55–64 years . . . . .	490.8	579.7	689.2	812.5	859.2	626.4	610.3	583.8
65–74 years . . . . .	636.5	938.5	1,168.9	1,417.2	1,613.9	1,363.8	1,274.7	1,221.5
75–84 years <sup>6</sup> . . . . .	853.5	1,053.3	1,624.8	2,029.6	2,478.3	2,351.8	2,223.0	2,144.2
85 years and over . . . . .	---	1,155.2	1,387.0	2,393.9	3,238.3	3,264.8	2,976.1	2,825.5

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 38 (page 2 of 4). Death rates for malignant neoplasms, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	140.5	145.8	155.8	141.9	139.9
All ages, crude . . . . .	---	---	---	58.1	61.4	67.0	70.4	70.3
25–34 years . . . . .	---	---	---	*	*	*	*	*
35–44 years . . . . .	---	---	---	*	22.8	21.4	18.9	19.0
45–54 years . . . . .	---	---	---	86.9	86.9	70.3	76.1	81.9
55–64 years . . . . .	---	---	---	213.4	246.2	255.6	261.4	222.7
65–74 years . . . . .	---	---	---	613.0	530.6	648.0	604.9	565.4
75–84 years . . . . .	---	---	---	936.4	1,038.4	1,152.5	1,069.3	995.2
85 years and over . . . . .	---	---	---	1,471.2	1,654.4	1,584.2	1,036.3	1,459.1
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	165.2	172.5	150.8	137.9	137.2
All ages, crude . . . . .	---	---	---	81.9	82.7	85.2	84.0	84.2
25–34 years . . . . .	---	---	---	6.3	9.2	7.4	7.9	7.6
35–44 years . . . . .	---	---	---	29.4	27.7	26.1	22.7	21.7
45–54 years . . . . .	---	---	---	108.2	92.6	78.5	82.8	77.0
55–64 years . . . . .	---	---	---	298.5	274.6	229.2	224.7	196.1
65–74 years . . . . .	---	---	---	581.2	687.2	559.4	481.7	498.1
75–84 years . . . . .	---	---	---	1,147.6	1,229.9	1,086.1	1,012.7	1,056.9
85 years and over . . . . .	---	---	---	1,798.7	1,837.0	1,823.2	1,544.3	1,545.6
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	174.7	171.7	161.4	156.5
All ages, crude . . . . .	---	---	---	---	65.5	61.3	61.2	61.5
25–34 years . . . . .	---	---	---	---	8.0	6.9	6.3	6.8
35–44 years . . . . .	---	---	---	---	22.5	20.1	18.4	18.2
45–54 years . . . . .	---	---	---	---	96.6	79.4	78.4	81.1
55–64 years . . . . .	---	---	---	---	294.0	253.1	254.3	246.5
65–74 years . . . . .	---	---	---	---	655.5	651.2	622.3	617.6
75–84 years . . . . .	---	---	---	---	1,233.4	1,306.4	1,190.8	1,163.9
85 years and over . . . . .	---	---	---	---	2,019.4	2,049.7	1,869.0	1,668.6
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	276.7	247.7	239.6	234.6
All ages, crude . . . . .	---	---	---	---	246.2	244.4	243.8	241.8
25–34 years . . . . .	---	---	---	---	12.8	9.7	9.8	9.4
35–44 years . . . . .	---	---	---	---	36.8	32.3	32.5	31.9
45–54 years . . . . .	---	---	---	---	153.9	127.2	125.9	123.8
55–64 years . . . . .	---	---	---	---	520.6	412.0	395.5	384.8
65–74 years . . . . .	---	---	---	---	1,109.0	1,002.1	975.3	942.0
75–84 years . . . . .	---	---	---	---	1,906.6	1,750.2	1,716.5	1,707.8
85 years and over . . . . .	---	---	---	---	2,744.4	2,714.1	2,507.7	2,441.7
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	182.0	167.7	162.5	165.2	174.0	166.9	162.4	160.2
All ages, crude . . . . .	139.9	139.8	149.4	170.3	196.1	199.4	195.8	194.6
25–34 years . . . . .	20.9	18.8	16.3	13.5	11.9	10.1	9.9	9.4
35–44 years . . . . .	74.5	66.6	62.4	50.9	46.2	38.2	38.5	37.3
45–54 years . . . . .	185.8	175.7	177.3	166.4	150.9	120.1	115.3	112.1
55–64 years . . . . .	362.5	329.0	338.6	355.5	368.5	319.7	303.1	299.8
65–74 years . . . . .	616.5	562.1	554.7	605.2	675.1	665.6	650.4	638.9
75–84 years . . . . .	1,026.6	939.3	903.5	905.4	1,011.8	1,063.4	1,053.1	1,046.3
85 years and over . . . . .	1,348.3	1,304.9	1,126.6	1,266.8	1,372.3	1,459.1	1,395.1	1,386.5

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 38 (page 3 of 4). Death rates for malignant neoplasms, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>Black or African American female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	174.1	174.3	173.4	189.5	205.9	193.8	190.3	187.7
All ages, crude . . . . .	111.8	113.8	117.3	136.5	156.1	151.8	151.7	151.4
25–34 years . . . . .	34.3	31.0	20.9	18.3	18.7	13.5	13.3	13.9
35–44 years . . . . .	119.8	102.4	94.6	73.5	67.4	58.9	56.2	55.4
45–54 years . . . . .	277.0	254.8	228.6	230.2	209.9	173.9	168.2	167.2
55–64 years . . . . .	484.6	442.7	404.8	450.4	482.4	391.0	385.4	380.4
65–74 years . . . . .	477.3	541.6	615.8	662.4	773.2	753.1	741.1	714.6
75–84 years <sup>6</sup> . . . . .	605.3	696.3	763.3	923.9	1,059.9	1,124.0	1,123.1	1,116.9
85 years and over . . . . .	---	728.9	791.5	1,159.9	1,431.3	1,527.7	1,468.0	1,475.3
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	94.0	106.9	108.3	112.9	105.6
All ages, crude . . . . .	---	---	---	50.4	62.1	61.3	71.0	68.2
25–34 years . . . . .	---	---	---	*	*	*	9.4	*
35–44 years . . . . .	---	---	---	36.9	31.0	23.7	23.6	24.3
45–54 years . . . . .	---	---	---	96.9	104.5	59.7	80.6	75.7
55–64 years . . . . .	---	---	---	198.4	213.3	200.9	202.5	195.8
65–74 years . . . . .	---	---	---	350.8	438.9	458.3	473.2	411.2
75–84 years . . . . .	---	---	---	446.4	554.3	714.0	703.9	784.4
85 years and over . . . . .	---	---	---	786.5	843.7	983.2	1,001.2	686.0
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	93.0	103.0	100.7	95.9	96.7
All ages, crude . . . . .	---	---	---	54.1	60.5	72.1	72.6	75.6
25–34 years . . . . .	---	---	---	9.5	7.3	8.1	6.4	7.2
35–44 years . . . . .	---	---	---	38.7	29.8	28.9	23.6	25.8
45–54 years . . . . .	---	---	---	99.8	93.9	78.2	78.5	77.6
55–64 years . . . . .	---	---	---	174.7	196.2	176.5	171.2	166.7
65–74 years . . . . .	---	---	---	301.9	346.2	357.4	358.1	361.5
75–84 years . . . . .	---	---	---	522.1	641.4	650.1	606.4	616.9
85 years and over . . . . .	---	---	---	800.0	971.7	988.5	910.1	907.9
<b>Hispanic or Latino female<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	111.9	110.8	106.1	105.9
All ages, crude . . . . .	---	---	---	---	60.7	58.5	58.1	59.1
25–34 years . . . . .	---	---	---	---	9.7	7.8	7.5	7.4
35–44 years . . . . .	---	---	---	---	34.8	30.7	28.4	28.0
45–54 years . . . . .	---	---	---	---	100.5	84.7	78.0	80.2
55–64 years . . . . .	---	---	---	---	205.4	192.5	179.8	185.9
65–74 years . . . . .	---	---	---	---	404.8	410.0	395.6	379.7
75–84 years . . . . .	---	---	---	---	663.0	716.5	692.2	702.1
85 years and over . . . . .	---	---	---	---	1,022.7	1,056.5	1,031.2	1,014.8

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 38 (page 4 of 4). Death rates for malignant neoplasms, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
White, not Hispanic or Latino female <sup>7</sup>	Deaths per 100,000 resident population							
All ages, age adjusted <sup>4</sup>	---	---	---	---	177.5	170.0	165.9	163.8
All ages, crude	---	---	---	---	210.6	220.6	218.5	217.6
25–34 years	---	---	---	---	11.9	10.5	10.3	9.8
35–44 years	---	---	---	---	47.0	38.9	39.9	38.6
45–54 years	---	---	---	---	154.9	123.0	118.7	115.1
55–64 years	---	---	---	---	379.5	328.9	312.8	308.9
65–74 years	---	---	---	---	688.5	681.0	667.7	657.6
75–84 years	---	---	---	---	1,027.2	1,075.3	1,068.3	1,062.4
85 years and over	---	---	---	---	1,385.7	1,468.7	1,405.4	1,399.1

--- Data not available.

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. See Appendix II, Cause of death; tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office. 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 39 (page 1 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted <sup>4</sup> . . . . .	15.0	24.1	37.1	49.9	59.3	56.1	54.9	54.1
All ages, crude . . . . .	12.2	20.3	32.1	45.8	56.8	55.3	54.7	54.4
Under 25 years . . . . .	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
25–34 years . . . . .	0.8	1.0	0.9	0.6	0.7	0.5	0.4	0.4
35–44 years . . . . .	4.5	6.8	11.0	9.2	6.8	6.1	6.0	5.6
45–54 years . . . . .	20.4	29.6	43.4	54.1	46.8	31.6	30.3	30.3
55–64 years . . . . .	48.7	75.3	109.1	138.2	160.6	122.4	115.3	111.0
65–74 years . . . . .	59.7	108.1	164.5	233.3	288.4	284.2	275.0	269.3
75–84 years . . . . .	55.8	91.5	163.2	240.5	333.3	370.8	377.6	377.8
85 years and over . . . . .	42.3	65.6	101.7	176.0	242.5	302.1	297.2	298.9
Male								
All ages, age adjusted <sup>4</sup> . . . . .	24.6	43.6	67.5	85.2	91.1	76.7	73.2	71.7
All ages, crude . . . . .	19.9	35.4	53.4	68.6	75.1	65.5	63.7	62.9
Under 25 years . . . . .	0.0	0.0	0.1	0.1	0.0	*	0.0	*
25–34 years . . . . .	1.1	1.4	1.3	0.8	0.9	0.5	0.4	0.4
35–44 years . . . . .	7.1	10.5	16.1	11.9	8.5	6.9	6.2	6.1
45–54 years . . . . .	35.0	50.6	67.5	76.0	59.7	38.5	36.6	36.5
55–64 years . . . . .	83.8	139.3	189.7	213.6	222.9	154.0	144.0	136.7
65–74 years . . . . .	98.7	204.3	320.8	403.9	430.4	377.9	355.9	346.6
75–84 years . . . . .	82.6	167.1	330.8	488.8	572.9	532.2	527.9	525.1
85 years and over . . . . .	62.5	107.7	194.0	368.1	513.2	521.2	482.2	475.1
Female								
All ages, age adjusted <sup>4</sup> . . . . .	5.8	7.5	13.1	24.4	37.1	41.3	41.6	41.3
All ages, crude . . . . .	4.5	6.4	11.9	24.3	39.4	45.4	46.0	46.1
Under 25 years . . . . .	0.1	0.0	0.0	*	*	*	*	*
25–34 years . . . . .	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
35–44 years . . . . .	1.9	3.2	6.1	6.5	5.2	5.3	5.8	5.1
45–54 years . . . . .	5.8	9.2	21.0	33.7	34.5	25.0	24.3	24.4
55–64 years . . . . .	13.6	15.4	36.8	72.0	105.0	93.3	88.8	87.1
65–74 years . . . . .	23.3	24.4	43.1	102.7	177.6	206.9	207.7	204.8
75–84 years . . . . .	32.9	32.8	52.4	94.1	190.1	265.6	277.8	279.4
85 years and over . . . . .	28.2	38.8	50.0	91.9	138.1	212.8	217.0	221.0
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	25.1	43.6	67.1	83.8	89.0	75.7	72.5	71.1
All ages, crude . . . . .	20.8	36.4	54.6	70.2	77.8	69.4	67.7	66.9
45–54 years . . . . .	35.1	49.2	63.3	70.9	55.2	35.7	34.2	34.1
55–64 years . . . . .	85.4	139.2	186.8	205.6	213.7	150.8	139.3	133.1
65–74 years . . . . .	101.5	207.5	325.0	401.0	422.1	374.9	356.4	347.1
75–84 years . . . . .	85.5	170.4	336.7	493.5	572.2	529.9	527.8	524.6
85 years and over . . . . .	67.4	109.4	199.6	374.1	516.3	522.4	486.6	478.5
Black or African American male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	17.8	42.6	75.4	107.6	125.4	101.1	95.0	92.4
All ages, crude . . . . .	12.1	28.1	47.7	66.6	73.7	58.3	56.0	54.9
45–54 years . . . . .	34.4	68.4	115.4	133.8	114.9	70.7	64.6	63.6
55–64 years . . . . .	68.3	146.8	234.3	321.1	358.6	223.5	223.6	210.0
65–74 years . . . . .	53.8	168.3	300.5	472.3	585.4	488.8	444.6	427.1
75–84 years <sup>6</sup> . . . . .	36.2	107.3	271.6	472.9	645.4	642.5	626.2	622.2
85 years and over . . . . .	---	82.8	137.0	311.3	499.5	562.8	484.6	502.5
American Indian or Alaska Native male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	31.7	47.5	42.9	41.3	37.6
All ages, crude . . . . .	---	---	---	14.2	20.0	18.1	19.8	19.4
45–54 years . . . . .	---	---	---	*	26.6	14.5	14.9	17.1
55–64 years . . . . .	---	---	---	72.0	97.8	86.0	92.7	79.2
65–74 years . . . . .	---	---	---	202.8	194.3	184.8	185.2	186.0
75–84 years . . . . .	---	---	---	*	356.2	367.9	326.2	284.9
85 years and over . . . . .	---	---	---	*	*	*	*	*

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 39 (page 2 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	43.3	44.2	40.9	36.3	37.9
All ages, crude	---	---	---	22.1	20.7	22.7	21.5	22.7
45–54 years	---	---	---	33.3	18.8	17.2	15.6	17.5
55–64 years	---	---	---	94.4	74.4	61.4	64.9	50.4
65–74 years	---	---	---	174.3	215.8	183.2	137.7	157.5
75–84 years	---	---	---	301.3	307.5	323.2	301.2	333.3
85 years and over	---	---	---	*	421.3	378.0	346.5	328.4
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	44.1	39.0	36.2	34.5
All ages, crude	---	---	---	---	16.2	13.3	13.1	12.8
45–54 years	---	---	---	---	21.5	14.8	12.6	12.6
55–64 years	---	---	---	---	80.7	58.6	60.7	55.4
65–74 years	---	---	---	---	195.5	167.3	161.7	161.8
75–84 years	---	---	---	---	313.4	327.5	299.1	277.3
85 years and over	---	---	---	---	420.7	368.8	307.9	290.9
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	91.1	77.9	75.0	73.6
All ages, crude	---	---	---	---	84.7	78.9	77.8	77.3
45–54 years	---	---	---	---	57.8	37.7	36.5	36.5
55–64 years	---	---	---	---	221.0	157.7	145.7	139.4
65–74 years	---	---	---	---	431.4	387.3	369.5	359.6
75–84 years	---	---	---	---	580.4	537.7	538.3	537.0
85 years and over	---	---	---	---	520.9	527.3	493.3	486.8
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	5.9	6.8	13.1	24.5	37.6	42.3	42.6	42.3
All ages, crude	4.7	5.9	12.3	25.6	42.4	49.9	50.7	50.7
45–54 years	5.7	9.0	20.9	33.0	34.6	24.8	24.2	23.8
55–64 years	13.7	15.1	37.2	71.9	105.7	96.1	91.0	89.8
65–74 years	23.7	24.8	42.9	104.6	181.3	213.2	215.1	212.2
75–84 years	34.0	32.7	52.6	95.2	194.6	272.7	285.8	286.6
85 years and over	29.3	39.1	50.6	92.4	138.3	215.9	220.2	224.4
<b>Black or African American female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	4.5	6.8	13.7	24.8	36.8	39.8	40.1	40.2
All ages, crude	2.8	4.3	9.4	18.3	28.1	30.8	31.6	32.0
45–54 years	7.5	11.3	23.9	43.4	41.3	32.9	31.7	33.4
55–64 years	12.9	17.9	33.5	79.9	117.9	95.3	95.3	91.0
65–74 years	14.0	18.1	46.1	88.0	164.3	194.1	189.3	190.0
75–84 years <sup>6</sup>	*	31.3	49.1	79.4	148.1	224.3	242.6	248.0
85 years and over	---	34.2	44.8	85.8	134.9	185.9	191.0	194.8
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	11.7	19.3	24.8	27.1	26.4
All ages, crude	---	---	---	6.0	11.2	14.0	16.4	16.4
45–54 years	---	---	---	*	22.9	12.1	11.4	15.1
55–64 years	---	---	---	*	53.7	52.6	52.5	42.5
65–74 years	---	---	---	*	78.5	151.5	162.8	147.8
75–84 years	---	---	---	*	111.8	136.3	163.4	190.1
85 years and over	---	---	---	*	*	*	168.3	*

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 39 (page 3 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	15.4	18.9	18.4	17.5	18.7
All ages, crude	---	---	---	8.4	10.5	12.6	12.9	14.1
45–54 years	---	---	---	13.5	11.3	9.9	9.0	11.4
55–64 years	---	---	---	24.6	38.3	30.4	28.9	28.0
65–74 years	---	---	---	62.4	71.6	77.0	79.9	76.3
75–84 years	---	---	---	117.7	137.9	135.0	116.8	142.6
85 years and over	---	---	---	*	172.9	175.3	170.4	180.6
<b>Hispanic or Latino female<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	14.1	14.7	14.6	14.8
All ages, crude	---	---	---	---	7.2	7.2	7.6	7.8
45–54 years	---	---	---	---	8.7	7.1	7.3	7.9
55–64 years	---	---	---	---	25.1	22.2	23.2	22.4
65–74 years	---	---	---	---	66.8	66.0	69.5	61.2
75–84 years	---	---	---	---	94.3	112.3	104.6	119.6
85 years and over	---	---	---	---	118.2	137.5	130.1	137.5
<b>White, not Hispanic or Latino female<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	39.0	44.1	44.6	44.3
All ages, crude	---	---	---	---	46.2	56.4	57.9	58.1
45–54 years	---	---	---	---	36.6	26.4	26.0	25.6
55–64 years	---	---	---	---	111.3	102.2	96.8	95.7
65–74 years	---	---	---	---	186.4	222.9	225.9	223.9
75–84 years	---	---	---	---	199.1	279.2	294.3	295.1
85 years and over	---	---	---	---	139.0	218.0	223.4	227.4

0.0 Quantity more than zero but less than 0.05.

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. For the period 1980–1998, lung cancer was coded using ICD–9 codes that are most comparable with lung cancer codes in the 113 cause list for ICD–10. See Appendix II, Cause of death; table V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office. 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 40 (page 1 of 2). Death rates for malignant neoplasm of breast among females, by race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
All females								
All ages, age adjusted <sup>4</sup> . . . . .	31.9	31.7	32.1	31.9	33.3	26.8	25.6	25.3
All ages, crude . . . . .	24.7	26.1	28.4	30.6	34.0	29.2	28.3	28.2
Under 25 years . . . . .	*	*	*	*	*	*	*	*
25–34 years . . . . .	3.8	3.8	3.9	3.3	2.9	2.3	2.1	2.1
35–44 years . . . . .	20.8	20.2	20.4	17.9	17.8	12.4	12.0	12.2
45–54 years . . . . .	46.9	51.4	52.6	48.1	45.4	33.0	31.4	30.4
55–64 years . . . . .	69.9	70.8	77.6	80.5	78.6	59.3	56.2	56.6
65–74 years . . . . .	95.0	90.0	93.8	101.1	111.7	88.3	84.4	82.6
75–84 years . . . . .	139.8	129.9	127.4	126.4	146.3	128.9	125.9	123.7
85 years and over . . . . .	195.5	191.9	157.1	169.3	196.8	205.7	191.5	189.4
White <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	32.4	32.0	32.5	32.1	33.2	26.3	25.0	24.7
All ages, crude . . . . .	25.7	27.2	29.9	32.3	35.9	30.7	29.5	29.3
35–44 years . . . . .	20.8	19.7	20.2	17.3	17.1	11.3	10.7	11.1
45–54 years . . . . .	47.1	51.2	53.0	48.1	44.3	31.2	29.4	28.4
55–64 years . . . . .	70.9	71.8	79.3	81.3	78.5	57.9	55.0	54.9
65–74 years . . . . .	96.3	91.6	95.9	103.7	113.3	89.3	84.6	82.6
75–84 years . . . . .	143.6	132.8	129.6	128.4	148.2	130.2	126.5	124.6
85 years and over . . . . .	204.2	199.7	161.9	171.7	198.0	205.5	192.6	189.4
Black or African American <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	25.3	27.9	28.9	31.7	38.1	34.5	34.0	34.0
All ages, crude . . . . .	16.4	18.7	19.7	22.9	29.0	27.9	28.2	28.5
35–44 years . . . . .	21.0	24.8	24.4	24.1	25.8	20.9	22.0	20.8
45–54 years . . . . .	46.5	54.4	52.0	52.7	60.5	51.5	49.8	48.9
55–64 years . . . . .	64.3	63.2	64.7	79.9	93.1	80.9	76.6	81.1
65–74 years . . . . .	67.0	72.3	77.3	84.3	112.2	98.6	101.1	100.1
75–84 years <sup>6</sup> . . . . .	81.0	87.5	101.8	114.1	140.5	139.8	145.0	141.0
85 years and over . . . . .	---	92.1	112.1	149.9	201.5	238.7	209.1	222.4
American Indian or Alaska Native <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	10.8	13.7	13.6	13.8	14.0
All ages, crude . . . . .	---	---	---	6.1	8.6	8.7	9.6	9.4
35–44 years . . . . .	---	---	---	*	*	*	*	*
45–54 years . . . . .	---	---	---	*	23.9	14.4	18.7	14.1
55–64 years . . . . .	---	---	---	*	*	40.0	28.5	31.2
65–74 years . . . . .	---	---	---	*	*	42.5	48.7	38.5
75–84 years . . . . .	---	---	---	*	*	71.8	*	96.5
85 years and over . . . . .	---	---	---	*	*	*	*	*
Asian or Pacific Islander <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	11.9	13.7	12.3	12.8	12.6
All ages, crude . . . . .	---	---	---	8.2	9.3	10.2	10.8	11.0
35–44 years . . . . .	---	---	---	10.4	8.4	8.1	6.8	7.6
45–54 years . . . . .	---	---	---	23.4	26.4	22.3	21.3	20.1
55–64 years . . . . .	---	---	---	35.7	33.8	31.3	33.1	33.8
65–74 years . . . . .	---	---	---	*	38.5	34.7	38.3	40.7
75–84 years . . . . .	---	---	---	*	48.0	37.5	48.7	41.4
85 years and over . . . . .	---	---	---	*	*	68.2	69.3	64.7
Hispanic or Latino <sup>5,7</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	19.5	16.9	15.5	16.1
All ages, crude . . . . .	---	---	---	---	11.5	9.7	9.2	9.8
35–44 years . . . . .	---	---	---	---	11.7	8.7	7.8	9.1
45–54 years . . . . .	---	---	---	---	32.8	23.9	21.6	21.0
55–64 years . . . . .	---	---	---	---	45.8	39.1	33.5	38.8
65–74 years . . . . .	---	---	---	---	64.8	54.9	48.7	48.4
75–84 years . . . . .	---	---	---	---	67.2	74.9	73.1	70.8
85 years and over . . . . .	---	---	---	---	102.8	105.8	105.3	114.8

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 40 (page 2 of 2). Death rates for malignant neoplasm of breast among females, by race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
White, not Hispanic or Latino <sup>7</sup>	Deaths per 100,000 resident population							
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	33.9	26.8	25.6	25.2
All ages, crude . . . . .	---	---	---	---	38.5	33.8	32.9	32.6
35–44 years . . . . .	---	---	---	---	17.5	11.6	11.1	11.3
45–54 years . . . . .	---	---	---	---	45.2	31.7	30.0	29.1
55–64 years . . . . .	---	---	---	---	80.6	59.2	56.7	56.0
65–74 years . . . . .	---	---	---	---	115.7	91.4	87.0	85.1
75–84 years . . . . .	---	---	---	---	151.4	132.2	128.9	127.1
85 years and over . . . . .	---	---	---	---	201.5	208.3	195.8	192.3

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

0.0 Quantity more than zero but less than 0.05.

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and 2002 were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; numerator data from annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**



**Table 41 (page 1 of 3). Death rates for chronic lower respiratory diseases, by sex, race, Hispanic origin, and age: United States, selected years 1980–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1980 <sup>1</sup>	1990	1995	2000 <sup>2</sup>	2001	2002	2003
All persons							
Deaths per 100,000 resident population							
All ages, age adjusted <sup>3</sup> . . . . .	28.3	37.2	40.1	44.2	43.7	43.5	43.3
All ages, crude . . . . .	24.7	34.9	38.6	43.4	43.2	43.3	43.5
Under 1 year . . . . .	1.6	1.4	1.1	0.9	1.0	1.0	0.8
1–4 years . . . . .	0.4	0.4	0.2	0.3	0.3	0.4	0.3
5–14 years . . . . .	0.2	0.3	0.4	0.3	0.3	0.3	0.3
15–24 years . . . . .	0.3	0.5	0.7	0.5	0.4	0.5	0.5
25–34 years . . . . .	0.5	0.7	0.9	0.7	0.7	0.8	0.7
35–44 years . . . . .	1.6	1.6	1.9	2.1	2.2	2.2	2.1
45–54 years . . . . .	9.8	9.1	8.7	8.6	8.5	8.7	8.7
55–64 years . . . . .	42.7	48.9	46.8	44.2	44.1	42.4	43.3
65–74 years . . . . .	129.1	152.5	159.6	169.4	167.9	163.0	163.2
75–84 years . . . . .	224.4	321.1	349.3	386.1	379.8	386.7	383.0
85 years and over . . . . .	274.0	433.3	520.1	648.6	644.7	637.6	635.1
Male							
All ages, age adjusted <sup>3</sup> . . . . .	49.9	55.5	54.8	55.8	54.0	53.5	52.3
All ages, crude . . . . .	35.1	40.8	41.4	43.5	42.7	42.9	42.4
Under 1 year . . . . .	1.9	1.6	1.4	1.2	1.1	1.1	1.1
1–4 years . . . . .	0.5	0.5	0.2	0.4	0.4	0.6	0.5
5–14 years . . . . .	0.2	0.4	0.5	0.4	0.3	0.4	0.4
15–24 years . . . . .	0.4	0.5	0.7	0.6	0.5	0.6	0.5
25–34 years . . . . .	0.6	0.7	0.9	0.8	0.7	0.8	0.8
35–44 years . . . . .	1.7	1.7	1.7	1.9	2.0	2.2	1.9
45–54 years . . . . .	12.1	9.4	8.8	9.0	8.8	9.1	9.1
55–64 years . . . . .	59.9	58.6	52.3	47.8	46.9	45.2	46.5
65–74 years . . . . .	210.0	204.0	195.6	195.2	191.3	184.8	183.6
75–84 years . . . . .	437.4	500.0	483.8	488.5	475.1	480.8	464.9
85 years and over . . . . .	583.4	815.1	889.8	967.9	916.9	894.8	865.9
Female							
All ages, age adjusted <sup>3</sup> . . . . .	14.9	26.6	31.8	37.4	37.6	37.4	37.8
All ages, crude . . . . .	15.0	29.2	36.0	43.2	43.7	43.7	44.4
Under 1 year . . . . .	1.3	1.2	*	*	*	*	*
1–4 years . . . . .	*	*	*	0.3	*	0.3	*
5–14 years . . . . .	0.3	0.3	0.2	0.3	0.2	0.3	0.2
15–24 years . . . . .	0.3	0.5	0.6	0.4	0.4	0.4	0.4
25–34 years . . . . .	0.5	0.7	0.9	0.7	0.7	0.7	0.6
35–44 years . . . . .	1.5	1.5	2.2	2.2	2.3	2.3	2.3
45–54 years . . . . .	7.7	8.8	8.7	8.3	8.1	8.2	8.2
55–64 years . . . . .	27.6	40.3	41.9	41.0	41.5	39.8	40.3
65–74 years . . . . .	67.1	112.3	130.8	148.2	148.5	144.9	146.0
75–84 years . . . . .	98.7	214.2	265.3	319.2	317.3	324.1	328.3
85 years and over . . . . .	138.7	286.0	377.7	518.5	530.8	526.0	533.0
White male <sup>4</sup>							
All ages, age adjusted <sup>3</sup> . . . . .	51.6	56.6	55.9	57.2	55.5	54.9	53.8
All ages, crude . . . . .	37.9	44.3	45.5	48.3	47.6	47.8	47.4
35–44 years . . . . .	1.2	1.3	1.4	1.6	1.7	1.8	1.7
45–54 years . . . . .	11.4	8.6	8.1	8.4	8.6	8.8	8.9
55–64 years . . . . .	60.0	58.7	52.7	48.6	48.0	46.0	47.6
65–74 years . . . . .	218.4	208.1	200.0	201.4	198.3	192.3	191.6
75–84 years . . . . .	459.8	513.5	497.9	503.6	489.4	495.2	478.5
85 years and over . . . . .	611.2	847.0	918.3	997.4	943.6	923.4	894.4
Black or African American male <sup>4</sup>							
All ages, age adjusted <sup>3</sup> . . . . .	34.0	47.6	47.4	47.5	46.3	46.3	44.4
All ages, crude . . . . .	19.3	25.2	24.4	24.3	23.6	24.1	23.3
35–44 years . . . . .	5.8	5.3	4.3	4.8	4.7	5.7	4.0
45–54 years . . . . .	19.7	18.8	16.9	15.0	13.3	14.4	13.3
55–64 years . . . . .	66.6	67.4	60.5	54.6	49.8	52.3	50.5
65–74 years . . . . .	142.0	184.5	178.7	176.9	168.0	158.0	155.1
75–84 years . . . . .	229.8	390.9	370.0	370.3	380.8	392.2	382.2
85 years and over . . . . .	271.6	498.0	624.1	693.1	671.7	645.4	601.6

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 41 (page 2 of 3). Death rates for chronic lower respiratory diseases, by sex, race, Hispanic origin, and age: United States, selected years 1980–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1980 <sup>1</sup>	1990	1995	2000 <sup>2</sup>	2001	2002	2003
Deaths per 100,000 resident population							
<b>American Indian or Alaska Native male<sup>4</sup></b>							
All ages, age adjusted <sup>3</sup> . . . . .	23.0	38.3	35.6	43.7	35.0	35.9	40.3
All ages, crude . . . . .	8.4	13.8	12.3	15.3	13.1	14.3	17.3
35–44 years . . . . .	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*
55–64 years . . . . .	*	*	36.5	46.4	35.7	34.5	43.8
65–74 years . . . . .	*	135.7	132.1	111.3	115.1	126.1	125.9
75–84 years . . . . .	*	363.8	307.3	416.6	306.0	348.9	387.0
85 years and over . . . . .	*	*	*	770.7	614.8	500.3	563.8
<b>Asian or Pacific Islander male<sup>4</sup></b>							
All ages, age adjusted <sup>3</sup> . . . . .	21.5	29.8	28.9	28.3	27.0	25.0	25.2
All ages, crude . . . . .	8.7	11.3	11.8	12.6	12.7	12.0	12.5
35–44 years . . . . .	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	4.8	3.6	2.6	*
55–64 years . . . . .	*	22.1	15.7	8.8	14.4	11.5	12.7
65–74 years . . . . .	70.6	91.4	87.9	71.3	65.5	58.5	58.4
75–84 years . . . . .	155.7	258.6	240.6	254.3	239.3	235.9	234.9
85 years and over . . . . .	472.4	615.2	650.4	670.7	640.4	582.5	590.7
<b>Hispanic or Latino male<sup>4,5</sup></b>							
All ages, age adjusted <sup>3</sup> . . . . .	---	28.6	31.8	28.8	27.6	27.2	27.1
All ages, crude . . . . .	---	8.4	8.9	8.0	7.8	8.1	8.2
35–44 years . . . . .	---	*	1.1	0.9	0.7	1.0	1.0
45–54 years . . . . .	---	4.1	3.9	3.4	3.2	3.8	3.2
55–64 years . . . . .	---	17.2	19.1	18.2	16.1	17.5	16.6
65–74 years . . . . .	---	81.0	82.4	72.4	75.5	69.2	68.1
75–84 years . . . . .	---	252.4	292.0	250.3	224.0	243.3	231.2
85 years and over . . . . .	---	613.9	689.0	671.1	676.1	602.4	646.5
<b>White, not Hispanic or Latino male<sup>5</sup></b>							
All ages, age adjusted <sup>3</sup> . . . . .	---	57.9	56.6	58.5	56.9	56.5	55.4
All ages, crude . . . . .	---	48.5	50.2	55.1	54.6	55.1	54.9
35–44 years . . . . .	---	1.4	1.4	1.7	1.9	2.0	1.8
45–54 years . . . . .	---	9.0	8.4	8.9	9.1	9.3	9.5
55–64 years . . . . .	---	61.3	54.6	50.8	50.5	48.3	50.0
65–74 years . . . . .	---	213.4	204.3	208.8	206.1	200.4	200.2
75–84 years . . . . .	---	523.7	501.7	513.6	500.9	506.7	491.0
85 years and over . . . . .	---	860.6	922.6	1,008.6	951.5	935.4	903.6
<b>White female<sup>4</sup></b>							
All ages, age adjusted <sup>3</sup> . . . . .	15.5	27.8	33.3	39.5	39.8	39.7	40.3
All ages, crude . . . . .	16.4	32.8	40.8	49.7	50.3	50.5	51.5
35–44 years . . . . .	1.3	1.2	1.7	1.8	1.9	2.0	2.1
45–54 years . . . . .	7.6	8.3	8.4	7.9	8.0	8.1	8.1
55–64 years . . . . .	28.7	41.9	44.0	43.2	44.1	42.4	42.9
65–74 years . . . . .	71.0	118.8	139.0	159.6	160.4	157.0	158.6
75–84 years . . . . .	104.0	226.3	279.5	339.1	338.3	345.4	352.0
85 years and over . . . . .	144.2	298.4	395.5	544.8	557.9	554.5	562.8
<b>Black or African American female<sup>4</sup></b>							
All ages, age adjusted <sup>3</sup> . . . . .	9.1	16.6	20.2	22.7	22.4	22.6	22.0
All ages, crude . . . . .	6.8	12.6	15.5	17.6	17.5	17.7	17.3
35–44 years . . . . .	3.4	3.8	5.4	4.7	4.9	4.6	4.6
45–54 years . . . . .	9.3	14.0	12.8	13.4	11.7	11.6	11.9
55–64 years . . . . .	20.8	33.4	34.7	35.3	33.3	31.5	32.4
65–74 years . . . . .	32.7	64.7	78.7	82.9	84.3	82.0	83.3
75–84 years . . . . .	41.1	96.0	132.7	158.4	151.7	167.4	153.2
85 years and over . . . . .	63.2	133.0	185.8	255.0	266.1	262.0	256.4

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 41 (page 3 of 3). Death rates for chronic lower respiratory diseases, by sex, race, Hispanic origin, and age: United States, selected years 1980–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1980 <sup>1</sup>	1990	1995	2000 <sup>2</sup>	2001	2002	2003
Deaths per 100,000 resident population							
<b>American Indian or Alaska Native female<sup>4</sup></b>							
All ages, age adjusted <sup>3</sup>	7.7	16.8	22.8	26.2	27.3	26.4	26.1
All ages, crude	3.8	8.7	11.5	13.4	14.8	15.1	15.6
35–44 years	*	*	*	*	*	*	*
45–54 years	*	*	*	*	*	*	*
55–64 years	*	*	38.8	31.6	37.3	34.1	39.0
65–74 years	*	56.4	79.5	136.8	114.2	119.1	101.2
75–84 years	*	116.7	191.3	175.8	217.9	194.8	217.2
85 years and over	*	*	*	362.2	345.3	353.4	296.2
<b>Asian or Pacific Islander female<sup>4</sup></b>							
All ages, age adjusted <sup>3</sup>	5.8	11.0	12.1	11.7	11.1	9.3	9.9
All ages, crude	2.6	5.2	6.3	6.8	6.8	6.0	6.5
35–44 years	*	*	*	*	*	*	*
45–54 years	*	*	3.6	*	*	*	*
55–64 years	*	15.2	9.6	6.2	7.0	4.9	6.0
65–74 years	*	26.5	29.2	29.2	30.2	24.6	24.8
75–84 years	*	80.6	113.2	88.9	79.4	77.0	77.2
85 years and over	*	232.5	227.8	299.5	288.5	219.1	253.8
<b>Hispanic or Latino female<sup>4,5</sup></b>							
All ages, age adjusted <sup>3</sup>	---	13.4	16.9	16.3	16.5	16.2	15.8
All ages, crude	---	6.3	7.7	7.2	7.5	7.6	7.7
35–44 years	---	*	1.4	1.3	1.2	1.4	1.0
45–54 years	---	4.9	4.6	3.3	4.1	3.1	3.8
55–64 years	---	14.4	12.9	10.8	12.1	10.6	9.3
65–74 years	---	36.6	43.1	38.0	40.3	41.5	41.5
75–84 years	---	101.1	125.0	136.0	132.7	129.8	129.6
85 years and over	---	269.0	402.6	387.8	384.4	385.5	365.6
<b>White, not Hispanic or Latino female<sup>5</sup></b>							
All ages, age adjusted <sup>3</sup>	---	28.5	34.0	40.7	41.1	41.2	41.8
All ages, crude	---	35.7	44.7	56.2	57.2	57.7	59.0
35–44 years	---	1.2	1.7	1.9	2.0	2.1	2.2
45–54 years	---	8.5	8.5	8.3	8.3	8.6	8.5
55–64 years	---	43.7	46.2	45.8	46.8	45.1	45.7
65–74 years	---	122.8	143.0	167.6	168.8	165.5	167.6
75–84 years	---	231.9	284.5	347.2	347.3	355.7	363.5
85 years and over	---	302.1	393.7	548.7	562.7	559.8	569.5

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

--- Data not available.

<sup>1</sup>For the period 1980–1998, underlying cause of death was coded according to the Ninth Revision of the International Classification of Diseases (ICD), using ICD–9 codes for chronic lower respiratory diseases (CLRD) that are most nearly comparable with CLRD codes in the 113 cause list for ICD–10. See Appendix II, Cause of death; tables IV and V.

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>5</sup>Prior to 1997, excludes data from states lacking a Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; numerator data from annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 42 (page 1 of 2). Death rates for human immunodeficiency virus (HIV) disease, by sex, race, Hispanic origin, and age: United States, selected years 1987–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age<sup>1</sup></i>	1987 <sup>2</sup>	1990	1995	2000 <sup>3</sup>	2001	2002	2003
All persons							
Deaths per 100,000 resident population							
All ages, age adjusted <sup>4</sup> . . . . .	5.6	10.2	16.2	5.2	5.0	4.9	4.7
All ages, crude . . . . .	5.6	10.1	16.2	5.1	5.0	4.9	4.7
Under 1 year . . . . .	2.3	2.7	1.5	*	*	*	*
1–4 years . . . . .	0.7	0.8	1.3	*	*	*	*
5–14 years . . . . .	0.1	0.2	0.5	0.1	0.1	0.1	0.1
15–24 years . . . . .	1.3	1.5	1.7	0.5	0.6	0.4	0.4
25–34 years . . . . .	11.7	19.7	28.3	6.1	5.3	4.6	4.0
35–44 years . . . . .	14.0	27.4	44.2	13.1	13.0	12.7	12.0
45–54 years . . . . .	8.0	15.2	26.0	11.0	10.5	11.2	10.9
55–64 years . . . . .	3.5	6.2	10.9	5.1	5.2	5.1	5.4
65–74 years . . . . .	1.3	2.0	3.6	2.2	2.1	2.2	2.4
75–84 years . . . . .	0.8	0.7	0.7	0.7	0.7	0.8	0.7
85 years and over . . . . .	*	*	*	*	*	*	*
Male							
All ages, age adjusted <sup>4</sup> . . . . .	10.4	18.5	27.3	7.9	7.5	7.4	7.1
All ages, crude . . . . .	10.2	18.5	27.6	7.9	7.6	7.4	7.1
Under 1 year . . . . .	2.2	2.4	1.7	*	*	*	*
1–4 years . . . . .	0.7	0.8	1.2	*	*	*	*
5–14 years . . . . .	0.2	0.3	0.5	0.1	0.1	*	*
15–24 years . . . . .	2.2	2.2	2.0	0.5	0.5	0.4	0.4
25–34 years . . . . .	20.7	34.5	45.5	8.0	7.1	5.9	5.1
35–44 years . . . . .	26.3	50.2	75.5	19.8	19.5	18.8	17.5
45–54 years . . . . .	15.5	29.1	46.2	17.8	16.8	17.7	17.2
55–64 years . . . . .	6.8	12.0	19.7	8.7	8.6	8.5	9.1
65–74 years . . . . .	2.4	3.7	6.4	3.8	3.5	3.9	4.0
75–84 years . . . . .	1.2	1.1	1.3	1.3	1.5	1.4	1.5
85 years and over . . . . .	*	*	*	*	*	*	*
Female							
All ages, age adjusted <sup>4</sup> . . . . .	1.1	2.2	5.3	2.5	2.5	2.5	2.4
All ages, crude . . . . .	1.1	2.2	5.3	2.5	2.5	2.5	2.4
Under 1 year . . . . .	2.5	3.0	1.2	*	*	*	*
1–4 years . . . . .	0.7	0.8	1.5	*	*	*	*
5–14 years . . . . .	*	0.2	0.5	0.1	*	*	*
15–24 years . . . . .	0.3	0.7	1.4	0.4	0.6	0.4	0.4
25–34 years . . . . .	2.8	4.9	10.9	4.2	3.5	3.3	2.8
35–44 years . . . . .	2.1	5.2	13.3	6.5	6.7	6.7	6.5
45–54 years . . . . .	0.8	1.9	6.6	4.4	4.4	4.8	4.8
55–64 years . . . . .	0.5	1.1	2.8	1.8	2.0	1.9	2.1
65–74 years . . . . .	0.5	0.8	1.4	0.8	0.9	0.8	1.0
75–84 years . . . . .	0.5	0.4	0.3	0.3	*	0.3	0.3
85 years and over . . . . .	*	*	*	*	*	*	*
All ages, age adjusted <sup>4</sup>							
White male . . . . .	8.7	15.7	20.4	4.6	4.4	4.3	4.2
Black or African American male . . . . .	26.2	46.3	89.0	35.1	33.8	33.3	31.3
American Indian or Alaska Native male . . . . .	*	3.3	10.5	3.5	4.2	3.4	3.5
Asian or Pacific Islander male . . . . .	2.5	4.3	6.0	1.2	1.2	1.5	1.1
Hispanic or Latino male <sup>5</sup> . . . . .	18.8	28.8	40.8	10.6	9.7	9.1	9.2
White, not Hispanic or Latino male <sup>5</sup> . . . . .	10.7	14.1	17.9	3.8	3.6	3.5	3.4
White female . . . . .	0.6	1.1	2.5	1.0	0.9	0.9	0.9
Black or African American female . . . . .	4.6	10.1	24.4	13.2	13.4	13.4	12.8
American Indian or Alaska Native female . . . . .	*	*	2.5	1.0	*	*	1.5
Asian or Pacific Islander female . . . . .	*	*	0.6	0.2	*	*	*
Hispanic or Latino female <sup>5</sup> . . . . .	2.1	3.8	8.8	2.9	2.7	2.6	2.7
White, not Hispanic or Latino female <sup>5</sup> . . . . .	0.5	0.7	1.7	0.7	0.6	0.6	0.6

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 42 (page 2 of 2). Death rates for human immunodeficiency virus (HIV) disease, by sex, race, Hispanic origin, and age: United States, selected years 1987–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age<sup>1</sup></i>	1987 <sup>2</sup>	1990	1995	2000 <sup>3</sup>	2001	2002	2003
Age 25–44 years							
Deaths per 100,000 resident population							
All persons . . . . .	12.7	23.2	36.3	9.8	9.4	8.9	8.2
White male . . . . .	19.2	35.0	46.1	8.8	8.3	7.7	7.2
Black or African American male . . . . .	60.2	102.0	179.4	55.4	53.5	49.9	44.8
American Indian or Alaska Native male . . . . .	*	7.7	28.5	5.5	7.3	8.3	6.4
Asian or Pacific Islander male . . . . .	4.1	8.1	12.1	1.9	2.1	1.8	1.9
Hispanic or Latino male <sup>5</sup> . . . . .	36.8	59.3	73.9	14.3	12.4	11.5	10.3
White, not Hispanic or Latino male <sup>5</sup> . . . . .	23.3	31.6	41.2	7.4	7.2	6.6	6.2
White female . . . . .	1.2	2.3	5.9	2.1	1.9	1.8	1.8
Black or African American female . . . . .	11.6	23.6	53.6	26.7	26.0	25.9	23.6
American Indian or Alaska Native female . . . . .	*	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	1.2	*	*	*	*
Hispanic or Latino female <sup>5</sup> . . . . .	4.9	8.9	17.2	4.6	4.3	3.8	3.8
White, not Hispanic or Latino female <sup>5</sup> . . . . .	1.0	1.5	4.2	1.6	1.3	1.3	1.3
Age 45–64 years							
All persons . . . . .	5.8	11.1	19.9	8.7	8.4	8.7	8.7
White male . . . . .	9.9	18.6	26.0	8.1	7.7	7.8	7.9
Black or African American male . . . . .	27.3	53.0	133.2	71.6	68.8	70.7	68.1
American Indian or Alaska Native male . . . . .	*	*	*	*	7.8	*	*
Asian or Pacific Islander male . . . . .	*	6.5	9.1	2.1	1.9	3.4	2.1
Hispanic or Latino male <sup>5</sup> . . . . .	25.8	37.9	67.1	23.3	21.5	20.3	22.5
White, not Hispanic or Latino male <sup>5</sup> . . . . .	12.6	16.9	22.4	6.5	6.1	6.4	6.2
White female . . . . .	0.5	0.9	2.4	1.3	1.2	1.4	1.4
Black or African American female . . . . .	2.6	7.5	27.0	19.6	20.8	21.4	21.8
American Indian or Alaska Native female . . . . .	*	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	*	*	*	*	*
Hispanic or Latino female <sup>5</sup> . . . . .	*	3.1	12.6	5.8	5.4	5.7	5.3
White, not Hispanic or Latino female <sup>5</sup> . . . . .	0.5	0.7	1.5	0.9	0.8	0.9	0.9

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

<sup>1</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>2</sup>Categories for the coding and classification of human immunodeficiency virus (HIV) disease were introduced in the United States in 1987. For the period 1987–1998, underlying cause of death was coded according to the Ninth Revision of the International Classification of Diseases (ICD). See Appendix II, Cause of death; Human immunodeficiency virus (HIV) disease; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and 2002 were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; numerator data from annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1987–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from:

[www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 44 (page 1 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted <sup>4</sup> . . . . .	24.6	23.1	27.6	22.3	18.5	15.4	15.7	15.3
All ages, crude . . . . .	23.1	21.3	26.9	23.5	18.8	15.4	15.7	15.4
Under 1 year . . . . .	8.4	8.1	9.8	7.0	4.9	4.4	3.0	3.6
1–14 years . . . . .	9.8	8.6	10.5	8.2	6.0	4.3	3.9	4.0
1–4 years . . . . .	11.5	10.0	11.5	9.2	6.3	4.2	3.9	3.9
5–14 years . . . . .	8.8	7.9	10.2	7.9	5.9	4.3	3.9	4.0
15–24 years . . . . .	34.4	38.0	47.2	44.8	34.1	26.9	28.2	26.6
15–19 years . . . . .	29.6	33.9	43.6	43.0	33.1	26.0	27.6	25.7
20–24 years . . . . .	38.8	42.9	51.3	46.6	35.0	28.0	28.8	27.5
25–34 years . . . . .	24.6	24.3	30.9	29.1	23.6	17.3	17.8	17.1
35–44 years . . . . .	20.3	19.3	24.9	20.9	16.9	15.3	15.8	15.7
45–64 years . . . . .	25.2	23.0	26.5	18.0	15.7	14.3	14.5	14.6
45–54 years . . . . .	22.2	21.4	25.5	18.6	15.6	14.2	14.8	14.9
55–64 years . . . . .	29.0	25.1	27.9	17.4	15.9	14.4	14.1	14.2
65 years and over . . . . .	43.1	34.7	36.2	22.5	23.1	21.4	21.5	21.0
65–74 years . . . . .	39.1	31.4	32.8	19.2	18.6	16.5	17.0	16.2
75–84 years . . . . .	52.7	41.8	43.5	28.1	29.1	25.7	25.7	24.9
85 years and over . . . . .	45.1	37.9	34.2	27.6	31.2	30.4	28.0	28.8
Male								
All ages, age adjusted <sup>4</sup> . . . . .	38.5	35.4	41.5	33.6	26.5	21.7	22.1	21.6
All ages, crude . . . . .	35.4	31.8	39.7	35.3	26.7	21.3	21.9	21.4
Under 1 year . . . . .	9.1	8.6	9.3	7.3	5.0	4.6	3.3	3.9
1–14 years . . . . .	12.3	10.7	13.0	10.0	7.0	4.9	4.6	4.7
1–4 years . . . . .	13.0	11.5	12.9	10.2	6.9	4.7	4.5	4.4
5–14 years . . . . .	11.9	10.4	13.1	9.9	7.0	5.0	4.6	4.8
15–24 years . . . . .	56.7	61.2	73.2	68.4	49.5	37.4	39.3	36.9
15–19 years . . . . .	46.3	51.7	64.1	62.6	45.5	33.9	36.0	33.3
20–24 years . . . . .	66.7	73.2	84.4	74.3	53.3	41.2	42.6	40.4
25–34 years . . . . .	40.8	40.1	49.4	46.3	35.7	25.5	26.5	25.5
35–44 years . . . . .	32.5	29.9	37.7	31.7	24.7	22.0	22.3	22.5
45–64 years . . . . .	37.7	33.3	38.9	26.5	21.9	20.2	20.7	20.9
45–54 years . . . . .	33.6	31.6	37.2	27.6	22.0	20.4	21.3	21.5
55–64 years . . . . .	43.1	35.6	40.9	25.4	21.7	19.8	19.9	20.0
65 years and over . . . . .	66.6	52.1	54.4	33.9	32.1	29.5	29.8	28.5
65–74 years . . . . .	59.1	45.8	47.3	27.3	24.2	21.7	22.7	21.3
75–84 years . . . . .	85.0	66.0	68.2	44.3	41.2	35.6	35.3	34.3
85 years and over . . . . .	78.1	62.7	63.1	56.1	64.5	57.5	51.7	50.0
Female								
All ages, age adjusted <sup>4</sup> . . . . .	11.5	11.7	14.9	11.8	11.0	9.5	9.6	9.3
All ages, crude . . . . .	10.9	11.0	14.7	12.3	11.3	9.7	9.8	9.5
Under 1 year . . . . .	7.6	7.5	10.4	6.7	4.9	4.2	2.8	3.3
1–14 years . . . . .	7.2	6.3	7.9	6.3	4.9	3.7	3.3	3.3
1–4 years . . . . .	10.0	8.4	10.0	8.1	5.6	3.8	3.3	3.5
5–14 years . . . . .	5.7	5.4	7.2	5.7	4.7	3.6	3.3	3.2
15–24 years . . . . .	12.6	15.1	21.6	20.8	17.9	15.9	16.6	15.8
15–19 years . . . . .	12.9	16.0	22.7	22.8	20.0	17.5	18.9	17.8
20–24 years . . . . .	12.2	14.0	20.4	18.9	16.0	14.2	14.3	13.9
25–34 years . . . . .	9.3	9.2	13.0	12.2	11.5	8.8	8.8	8.5
35–44 years . . . . .	8.5	9.1	12.9	10.4	9.2	8.8	9.3	8.9
45–64 years . . . . .	12.6	13.1	15.3	10.3	10.1	8.7	8.7	8.6
45–54 years . . . . .	10.9	11.6	14.5	10.2	9.6	8.2	8.6	8.5
55–64 years . . . . .	14.9	15.2	16.2	10.5	10.8	9.5	8.9	8.8
65 years and over . . . . .	21.9	20.3	23.1	15.0	17.2	15.8	15.7	15.6
65–74 years . . . . .	20.6	19.0	21.6	13.0	14.1	12.3	12.3	11.9
75–84 years . . . . .	25.2	23.0	27.2	18.5	21.9	19.2	19.3	18.7
85 years and over . . . . .	22.1	22.0	18.0	15.2	18.3	19.3	17.7	19.5
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	37.9	34.8	40.4	33.8	26.3	21.8	22.4	21.9
All ages, crude . . . . .	35.1	31.5	39.1	35.9	26.7	21.6	22.4	22.0
Under 1 year . . . . .	9.1	8.8	9.1	7.0	4.8	4.2	2.9	3.9
1–14 years . . . . .	12.4	10.6	12.5	9.8	6.6	4.8	4.5	4.7
15–24 years . . . . .	58.3	62.7	75.2	73.8	52.5	39.6	41.9	39.2
25–34 years . . . . .	39.1	38.6	47.0	46.6	35.4	25.1	26.6	25.9
35–44 years . . . . .	30.9	28.4	35.2	30.7	23.7	21.8	22.3	22.6
45–64 years . . . . .	36.2	31.7	36.5	25.2	20.6	19.7	20.6	20.6
65 years and over . . . . .	67.1	52.1	54.2	32.7	31.4	29.4	29.8	28.8

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 44 (page 2 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>Black or African American male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	34.8	39.6	51.0	34.2	29.9	24.4	23.2	22.7
All ages, crude . . . . .	37.2	33.1	44.3	31.1	28.1	22.5	21.5	21.1
Under 1 year . . . . .	---	*	10.6	7.8	*	6.7	*	*
1–14 years <sup>6</sup> . . . . .	10.4	11.2	16.3	11.4	8.9	5.5	5.3	4.8
15–24 years . . . . .	42.5	46.4	58.1	34.9	36.1	30.2	29.6	27.9
25–34 years . . . . .	54.4	51.0	70.4	44.9	39.5	32.6	31.7	29.0
35–44 years . . . . .	46.7	43.6	59.5	41.2	33.5	27.2	25.3	26.4
45–64 years . . . . .	54.6	47.8	61.7	39.5	33.3	27.1	24.8	26.1
65 years and over . . . . .	52.6	48.2	53.4	42.4	36.3	32.1	30.4	28.9
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	78.9	48.3	35.8	39.0	35.2
All ages, crude . . . . .	---	---	---	74.6	47.6	33.6	37.3	35.9
1–14 years . . . . .	---	---	---	15.1	11.6	7.8	7.1	9.8
15–24 years . . . . .	---	---	---	126.1	75.2	56.8	57.2	60.2
25–34 years . . . . .	---	---	---	107.0	78.2	49.8	49.9	45.5
35–44 years . . . . .	---	---	---	82.8	57.0	36.3	47.2	43.6
45–64 years . . . . .	---	---	---	77.4	45.9	32.0	40.7	36.0
65 years and over . . . . .	---	---	---	97.0	43.0	48.5	45.9	25.4
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	19.0	17.9	10.6	10.8	10.3
All ages, crude . . . . .	---	---	---	17.1	15.8	9.8	10.0	9.4
1–14 years . . . . .	---	---	---	8.2	6.3	2.5	2.5	2.4
15–24 years . . . . .	---	---	---	27.2	25.7	17.0	20.0	18.3
25–34 years . . . . .	---	---	---	18.8	17.0	10.4	8.9	8.2
35–44 years . . . . .	---	---	---	13.1	12.2	6.9	7.8	6.8
45–64 years . . . . .	---	---	---	13.7	15.1	10.1	8.7	9.7
65 years and over . . . . .	---	---	---	37.3	33.6	21.1	23.3	20.1
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	29.5	21.3	22.2	22.0
All ages, crude . . . . .	---	---	---	---	29.2	20.1	21.3	21.1
1–14 years . . . . .	---	---	---	---	7.2	4.4	5.1	4.9
15–24 years . . . . .	---	---	---	---	48.2	34.7	38.9	37.2
25–34 years . . . . .	---	---	---	---	41.0	24.9	26.4	27.6
35–44 years . . . . .	---	---	---	---	28.0	21.6	22.6	22.1
45–64 years . . . . .	---	---	---	---	28.9	21.7	19.9	20.4
65 years and over . . . . .	---	---	---	---	35.3	28.9	30.7	29.2
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	25.7	21.7	22.2	21.6
All ages, crude . . . . .	---	---	---	---	26.0	21.5	22.3	21.8
1–14 years . . . . .	---	---	---	---	6.4	4.9	4.2	4.6
15–24 years . . . . .	---	---	---	---	52.3	40.3	42.1	39.1
25–34 years . . . . .	---	---	---	---	34.0	24.7	26.1	24.9
35–44 years . . . . .	---	---	---	---	23.1	21.6	22.0	22.4
45–64 years . . . . .	---	---	---	---	19.8	19.3	20.4	20.4
65 years and over . . . . .	---	---	---	---	31.1	29.3	29.6	28.6
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	11.4	11.7	14.9	12.2	11.2	9.8	9.8	9.5
All ages, crude . . . . .	10.9	11.2	14.8	12.8	11.6	10.0	10.1	9.8
Under 1 year . . . . .	7.8	7.5	10.2	7.1	4.7	3.5	2.2	3.0
1–14 years . . . . .	7.2	6.2	7.5	6.2	4.8	3.7	3.2	3.2
15–24 years . . . . .	12.6	15.6	22.7	23.0	19.5	17.1	17.9	17.2
25–34 years . . . . .	9.0	9.0	12.7	12.2	11.6	8.9	9.0	8.6
35–44 years . . . . .	8.1	8.9	12.3	10.6	9.2	8.9	9.4	9.0
45–64 years . . . . .	12.7	13.1	15.1	10.4	9.9	8.7	8.7	8.5
65 years and over . . . . .	22.2	20.8	23.7	15.3	17.4	16.2	16.3	15.8

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 44 (page 3 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
Black or African American female <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	9.3	10.4	14.1	8.5	9.6	8.4	8.2	8.3
All ages, crude . . . . .	10.2	9.7	13.4	8.3	9.4	8.2	8.0	8.0
Under 1 year . . . . .	---	8.1	11.9	*	7.0	*	*	*
1–14 years <sup>6</sup> . . . . .	7.2	6.9	10.2	6.3	5.3	3.9	3.5	3.5
15–24 years . . . . .	11.6	9.9	13.4	8.0	9.9	11.7	11.6	9.6
25–34 years . . . . .	10.8	9.8	13.3	10.6	11.1	9.4	8.8	8.7
35–44 years . . . . .	11.1	11.0	16.1	8.3	9.4	8.2	9.4	8.9
45–64 years . . . . .	11.8	12.7	16.7	9.2	10.7	9.0	8.4	8.9
65 years and over . . . . .	14.3	13.2	15.7	9.5	13.5	10.4	9.5	12.4
American Indian or Alaska Native female <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	32.0	17.5	19.5	19.3	20.8
All ages, crude . . . . .	---	---	---	32.0	17.3	18.6	19.1	19.8
1–14 years . . . . .	---	---	---	15.0	8.1	6.5	6.8	6.3
15–24 years . . . . .	---	---	---	42.3	31.4	30.3	29.2	27.7
25–34 years . . . . .	---	---	---	52.5	18.8	22.3	21.1	24.5
35–44 years . . . . .	---	---	---	38.1	18.2	22.0	24.4	18.7
45–64 years . . . . .	---	---	---	32.6	17.6	17.8	20.9	22.6
65 years and over . . . . .	---	---	---	*	*	24.0	*	32.3
Asian or Pacific Islander female <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	9.3	10.4	6.7	6.2	6.8
All ages, crude . . . . .	---	---	---	8.2	9.0	5.9	5.7	6.4
1–14 years . . . . .	---	---	---	7.4	3.6	2.3	1.9	1.7
15–24 years . . . . .	---	---	---	7.4	11.4	6.0	7.3	9.7
25–34 years . . . . .	---	---	---	7.3	7.3	4.5	4.4	4.5
35–44 years . . . . .	---	---	---	8.6	7.5	4.9	3.7	4.5
45–64 years . . . . .	---	---	---	8.5	11.8	6.4	7.3	7.5
65 years and over . . . . .	---	---	---	18.6	24.3	18.5	15.6	16.2
Hispanic or Latino female <sup>5,7</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	9.6	7.9	8.1	8.0
All ages, crude . . . . .	---	---	---	---	8.9	7.2	7.4	7.3
1–14 years . . . . .	---	---	---	---	4.8	3.9	3.2	3.0
15–24 years . . . . .	---	---	---	---	11.6	10.6	12.4	11.9
25–34 years . . . . .	---	---	---	---	9.4	6.5	7.2	6.6
35–44 years . . . . .	---	---	---	---	8.0	7.3	7.3	8.0
45–64 years . . . . .	---	---	---	---	11.4	8.3	8.4	8.4
65 years and over . . . . .	---	---	---	---	14.9	13.4	13.1	13.1

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 44 (page 4 of 4). Death rates for motor vehicle-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
White, not Hispanic or Latino female <sup>7</sup>	Deaths per 100,000 resident population							
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	11.3	10.0	10.1	9.7
All ages, crude . . . . .	---	---	---	---	11.7	10.3	10.5	10.2
1–14 years . . . . .	---	---	---	---	4.7	3.5	3.2	3.2
15–24 years . . . . .	---	---	---	---	20.4	18.4	19.0	18.3
25–34 years . . . . .	---	---	---	---	11.7	9.3	9.4	9.0
35–44 years . . . . .	---	---	---	---	9.3	9.0	9.7	9.1
45–64 years . . . . .	---	---	---	---	9.7	8.7	8.6	8.5
65 years and over . . . . .	---	---	---	---	17.5	16.3	16.5	15.9

--- Data not available.

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group under 15 years.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. For additional injury-related statistics, see Web-based Injury Statistics Query and Reporting System, available from: [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars). Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office. 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 45 (page 1 of 3). Death rates for homicide, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>4</sup>	5.1	5.0	8.8	10.4	9.4	5.9	6.1	6.0
All ages, crude	5.0	4.6	8.1	10.6	9.9	6.0	6.1	6.1
Under 1 year	4.4	4.8	4.3	5.9	8.4	9.2	7.5	8.5
1–14 years	0.6	0.6	1.1	1.5	1.8	1.3	1.4	1.2
1–4 years	0.6	0.7	1.9	2.5	2.5	2.3	2.7	2.4
5–14 years	0.5	0.5	0.9	1.2	1.5	0.9	0.9	0.8
15–24 years	5.8	5.6	11.3	15.4	19.7	12.6	12.9	13.0
15–19 years	3.9	3.9	7.7	10.5	16.9	9.5	9.3	9.5
20–24 years	8.5	7.7	15.6	20.2	22.2	16.0	16.5	16.5
25–44 years	8.9	8.5	14.9	17.5	14.7	8.7	9.1	9.1
25–34 years	9.3	9.2	16.2	19.3	17.4	10.4	11.2	11.3
35–44 years	8.4	7.8	13.5	14.9	11.6	7.1	7.2	7.0
45–64 years	5.0	5.3	8.7	9.0	6.3	4.0	4.1	4.1
45–54 years	5.9	6.1	10.0	11.0	7.5	4.7	4.8	4.9
55–64 years	3.9	4.1	7.1	7.0	5.0	3.0	3.2	2.8
65 years and over	3.0	2.7	4.6	5.5	4.0	2.4	2.3	2.4
65–74 years	3.2	2.8	4.9	5.7	3.8	2.4	2.3	2.4
75–84 years	2.5	2.3	4.0	5.2	4.3	2.4	2.3	2.5
85 years and over	2.3	2.4	4.2	5.3	4.6	2.4	2.1	2.2
Male								
All ages, age adjusted <sup>4</sup>	7.9	7.5	14.3	16.6	14.8	9.0	9.4	9.4
All ages, crude	7.7	6.8	13.1	17.1	15.9	9.3	9.6	9.7
Under 1 year	4.5	4.7	4.5	6.3	8.8	10.4	7.9	10.0
1–14 years	0.6	0.6	1.2	1.6	2.0	1.5	1.5	1.4
1–4 years	0.5	0.7	1.9	2.7	2.7	2.5	2.9	2.5
5–14 years	0.6	0.5	1.0	1.2	1.7	1.1	0.9	1.0
15–24 years	8.6	8.4	18.2	24.0	32.5	20.9	21.5	21.8
15–19 years	5.5	5.7	12.1	15.9	27.8	15.5	15.3	15.9
20–24 years	13.5	11.8	25.6	32.2	36.9	26.7	27.7	27.6
25–44 years	13.8	12.8	24.4	28.9	23.5	13.3	14.2	14.3
25–34 years	14.4	13.9	26.8	31.9	27.7	16.7	18.2	18.5
35–44 years	13.2	11.7	21.7	24.5	18.6	10.3	10.7	10.4
45–64 years	8.1	8.1	14.8	15.2	10.2	6.0	6.2	6.1
45–54 years	9.5	9.4	16.8	18.4	11.9	6.9	7.1	7.4
55–64 years	6.3	6.4	12.1	11.8	8.0	4.6	4.8	4.2
65 years and over	4.8	4.3	7.7	8.8	5.8	3.3	3.2	3.4
65–74 years	5.2	4.6	8.5	9.2	5.8	3.4	3.3	3.4
75–84 years	3.9	3.7	5.9	8.1	5.7	3.2	3.1	3.3
85 years and over	2.5	3.6	7.4	7.5	6.7	3.3	3.0	3.2
Female								
All ages, age adjusted <sup>4</sup>	2.4	2.6	3.7	4.4	4.0	2.8	2.8	2.6
All ages, crude	2.4	2.4	3.4	4.5	4.2	2.8	2.7	2.6
Under 1 year	4.2	4.9	4.1	5.6	8.0	7.9	7.1	6.9
1–14 years	0.6	0.5	1.0	1.4	1.6	1.1	1.3	1.0
1–4 years	0.7	0.7	1.9	2.2	2.3	2.1	2.5	2.3
5–14 years	0.5	0.4	0.7	1.1	1.2	0.7	0.8	0.5
15–24 years	3.0	2.8	4.6	6.6	6.2	3.9	3.8	3.7
15–19 years	2.4	1.9	3.2	4.9	5.4	3.1	2.9	2.6
20–24 years	3.7	3.8	6.2	8.2	7.0	4.7	4.6	4.8
25–44 years	4.2	4.3	5.8	6.4	6.0	4.0	4.0	3.8
25–34 years	4.5	4.6	6.0	6.9	7.1	4.1	4.2	3.9
35–44 years	3.8	4.0	5.7	5.7	4.8	4.0	3.8	3.6
45–64 years	1.9	2.5	3.1	3.4	2.8	2.1	2.2	2.1
45–54 years	2.3	2.9	3.7	4.1	3.2	2.5	2.6	2.5
55–64 years	1.4	2.0	2.5	2.8	2.3	1.6	1.6	1.5
65 years and over	1.4	1.3	2.3	3.3	2.8	1.8	1.6	1.7
65–74 years	1.3	1.3	2.2	3.0	2.2	1.6	1.4	1.5
75–84 years	1.4	1.3	2.7	3.5	3.4	2.0	1.8	1.9
85 years and over	2.1	1.6	2.5	4.3	3.8	2.0	1.7	1.8
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup>	3.8	3.9	7.2	10.4	8.3	5.2	5.3	5.3
All ages, crude	3.6	3.6	6.6	10.7	8.8	5.2	5.4	5.4
Under 1 year	4.3	3.8	2.9	4.3	6.4	8.2	6.2	8.1
1–14 years	0.4	0.5	0.7	1.2	1.3	1.2	1.0	0.9
15–24 years	3.2	5.0	7.6	15.1	15.2	9.9	10.6	10.6
25–44 years	5.4	5.5	11.6	17.2	13.0	7.4	7.7	7.7
25–34 years	4.9	5.7	12.5	18.5	14.7	8.4	8.9	9.2
35–44 years	6.1	5.2	10.8	15.2	11.1	6.5	6.8	6.3
45–64 years	4.8	4.6	8.3	9.8	6.9	4.1	4.2	4.2
65 years and over	3.8	3.1	5.4	6.7	4.1	2.5	2.6	2.7

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 45 (page 2 of 3). Death rates for homicide, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>Black or African American male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	47.0	42.3	78.2	69.4	63.1	35.4	36.4	36.7
All ages, crude	44.7	35.0	66.0	65.7	68.5	37.2	38.4	38.9
Under 1 year	---	10.3	14.3	18.6	21.4	23.3	16.3	17.8
1–14 years <sup>6</sup>	1.8	1.5	4.4	4.1	5.8	3.1	3.8	4.1
15–24 years	53.8	43.2	98.3	82.6	137.1	85.3	83.1	84.6
25–44 years	92.8	80.5	140.2	130.0	105.4	55.8	60.0	61.0
25–34 years	104.3	86.4	154.5	142.9	123.7	73.9	82.2	82.5
35–44 years	80.0	74.4	124.0	109.3	81.2	38.5	38.8	40.2
45–64 years	46.0	44.6	82.3	70.6	41.4	21.9	22.9	22.2
65 years and over	16.5	17.3	33.3	30.9	25.7	12.8	11.2	10.9
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	23.3	16.7	10.7	11.6	10.5
All ages, crude	---	---	---	23.1	16.6	10.7	12.0	11.3
15–24 years	---	---	---	35.4	25.1	17.0	18.8	19.7
25–44 years	---	---	---	39.2	25.7	17.0	18.3	14.8
45–64 years	---	---	---	22.1	14.8	*	9.9	9.5
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	9.1	7.3	4.3	4.2	4.2
All ages, crude	---	---	---	8.3	7.9	4.4	4.5	4.5
15–24 years	---	---	---	9.3	14.9	7.8	9.7	9.8
25–44 years	---	---	---	11.3	9.6	4.6	4.9	4.5
45–64 years	---	---	---	10.4	7.0	6.1	4.1	4.3
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	27.4	11.8	11.6	12.1
All ages, crude	---	---	---	---	31.0	13.4	13.2	13.6
Under 1 year	---	---	---	---	8.7	6.6	6.6	7.9
1–14 years	---	---	---	---	3.1	1.7	1.6	1.3
15–24 years	---	---	---	---	55.4	28.5	29.6	30.3
25–44 years	---	---	---	---	46.4	17.2	16.5	17.6
25–34 years	---	---	---	---	50.9	19.9	19.8	21.2
35–44 years	---	---	---	---	39.3	13.5	12.1	12.9
45–64 years	---	---	---	---	20.5	9.1	8.6	8.7
65 years and over	---	---	---	---	9.4	4.4	4.4	6.0
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	5.6	3.6	3.7	3.6
All ages, crude	---	---	---	---	5.8	3.6	3.8	3.6
Under 1 year	---	---	---	---	5.4	8.3	5.8	8.0
1–14 years	---	---	---	---	0.9	1.0	0.8	0.8
15–24 years	---	---	---	---	7.5	4.7	5.2	5.0
25–44 years	---	---	---	---	8.7	5.2	5.5	5.1
25–34 years	---	---	---	---	9.3	5.2	5.3	5.2
35–44 years	---	---	---	---	8.0	5.2	5.6	4.9
45–64 years	---	---	---	---	5.7	3.6	3.7	3.7
65 years and over	---	---	---	---	3.7	2.3	2.4	2.4
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	1.4	1.5	2.3	3.2	2.7	2.1	2.0	2.0
All ages, crude	1.4	1.4	2.1	3.2	2.8	2.1	2.0	2.0
Under 1 year	3.9	3.5	2.9	4.3	5.1	5.0	4.6	5.7
1–14 years	0.4	0.4	0.7	1.1	1.0	0.8	0.9	0.7
15–24 years	1.3	1.5	2.7	4.7	4.0	2.7	2.5	2.5
25–44 years	2.0	2.1	3.3	4.2	3.8	2.9	2.8	2.8
45–64 years	1.5	1.7	2.1	2.6	2.3	1.8	1.9	1.8
65 years and over	1.2	1.2	1.9	2.9	2.2	1.6	1.4	1.5
<b>Black or African American female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	11.1	11.4	14.7	13.2	12.5	7.1	6.9	6.4
All ages, crude	11.5	10.4	13.2	13.5	13.4	7.2	7.0	6.6
Under 1 year	---	13.8	10.7	12.8	22.8	22.2	18.5	14.2
1–14 years <sup>6</sup>	1.8	1.2	3.1	3.3	4.7	2.7	2.6	2.4
15–24 years	16.5	11.9	17.7	18.4	18.9	10.7	10.3	10.1
25–44 years	22.5	22.7	25.3	22.6	21.0	11.0	11.1	9.8
45–64 years	6.8	10.3	13.4	10.8	6.5	4.5	4.5	4.8
65 years and over	3.6	3.0	7.4	8.0	9.4	3.5	3.1	3.3

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 45 (page 3 of 3). Death rates for homicide, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	8.1	4.6	3.0	5.2	3.9
All ages, crude	---	---	---	7.7	4.8	2.9	5.3	4.0
15–24 years	---	---	---	*	*	*	*	7.2
25–44 years	---	---	---	13.7	6.9	5.9	6.3	5.4
45–64 years	---	---	---	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	3.1	2.8	1.7	1.8	1.6
All ages, crude	---	---	---	3.1	2.8	1.7	1.8	1.6
15–24 years	---	---	---	*	*	*	2.1	*
25–44 years	---	---	---	4.6	3.8	2.2	2.4	1.9
45–64 years	---	---	---	*	*	2.0	1.6	1.5
<b>Hispanic or Latino female<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	4.3	2.8	2.5	2.7
All ages, crude	---	---	---	---	4.7	2.8	2.6	2.8
Under 1 year	---	---	---	---	*	7.4	5.9	5.9
1–14 years	---	---	---	---	1.9	1.0	1.2	1.2
15–24 years	---	---	---	---	8.1	3.7	3.8	4.5
25–44 years	---	---	---	---	6.1	3.7	3.4	3.6
45–64 years	---	---	---	---	3.3	2.9	2.3	2.3
65 years and over	---	---	---	---	*	2.4	*	1.9
<b>White, not Hispanic or Latino female<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	2.5	1.9	1.9	1.8
All ages, crude	---	---	---	---	2.5	1.9	1.9	1.8
Under 1 year	---	---	---	---	4.4	4.1	4.1	5.5
1–14 years	---	---	---	---	0.8	0.8	0.9	0.6
15–24 years	---	---	---	---	3.3	2.3	2.2	1.9
25–44 years	---	---	---	---	3.5	2.7	2.6	2.6
45–64 years	---	---	---	---	2.2	1.6	1.8	1.7
65 years and over	---	---	---	---	2.2	1.6	1.4	1.4

--- Data not available.

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group under 15 years.

<sup>7</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Figures for 2001 include September 11-related deaths for which death certificates were filed as of October 24, 2002. For the period 1980–1998, homicide was coded using ICD–9 codes that are most nearly comparable with homicide codes in the 113 cause list for ICD–10. See Appendix II, Cause of death; table V for terrorism-related ICD–10 codes. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. For additional injury-related statistics, see Web-based Injury Statistics Query and Reporting System, available from: [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars). Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office. 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**



**Table 46 (page 1 of 3). Death rates for suicide, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted <sup>4</sup> . . . . .	13.2	12.5	13.1	12.2	12.5	10.4	10.9	10.8
All ages, crude . . . . .	11.4	10.6	11.6	11.9	12.4	10.4	11.0	10.8
Under 1 year . . . . .	...	...	...	...	...	...	...	*
1–4 years . . . . .	...	...	...	...	...	...	...	*
5–14 years . . . . .	0.2	0.3	0.3	0.4	0.8	0.7	0.6	0.6
15–24 years . . . . .	4.5	5.2	8.8	12.3	13.2	10.2	9.9	9.7
15–19 years . . . . .	2.7	3.6	5.9	8.5	11.1	8.0	7.4	7.3
20–24 years . . . . .	6.2	7.1	12.2	16.1	15.1	12.5	12.4	12.1
25–44 years . . . . .	11.6	12.2	15.4	15.6	15.2	13.4	14.0	13.8
25–34 years . . . . .	9.1	10.0	14.1	16.0	15.2	12.0	12.6	12.7
35–44 years . . . . .	14.3	14.2	16.9	15.4	15.3	14.5	15.3	14.9
45–64 years . . . . .	23.5	22.0	20.6	15.9	15.3	13.5	14.9	15.0
45–54 years . . . . .	20.9	20.7	20.0	15.9	14.8	14.4	15.7	15.9
55–64 years . . . . .	26.8	23.7	21.4	15.9	16.0	12.1	13.6	13.8
65 years and over . . . . .	30.0	24.5	20.8	17.6	20.5	15.2	15.6	14.6
65–74 years . . . . .	29.6	23.0	20.8	16.9	17.9	12.5	13.5	12.7
75–84 years . . . . .	31.1	27.9	21.2	19.1	24.9	17.6	17.7	16.4
85 years and over . . . . .	28.8	26.0	19.0	19.2	22.2	19.6	18.0	16.9
Male								
All ages, age adjusted <sup>4</sup> . . . . .	21.2	20.0	19.8	19.9	21.5	17.7	18.4	18.0
All ages, crude . . . . .	17.8	16.5	16.8	18.6	20.4	17.1	17.9	17.6
Under 1 year . . . . .	...	...	...	...	...	...	...	*
1–4 years . . . . .	...	...	...	...	...	...	...	*
5–14 years . . . . .	0.3	0.4	0.5	0.6	1.1	1.2	0.9	0.9
15–24 years . . . . .	6.5	8.2	13.5	20.2	22.0	17.1	16.5	16.0
15–19 years . . . . .	3.5	5.6	8.8	13.8	18.1	13.0	12.2	11.6
20–24 years . . . . .	9.3	11.5	19.3	26.8	25.7	21.4	20.8	20.2
25–44 years . . . . .	17.2	17.9	20.9	24.0	24.4	21.3	22.2	21.9
25–34 years . . . . .	13.4	14.7	19.8	25.0	24.8	19.6	20.5	20.6
35–44 years . . . . .	21.3	21.0	22.1	22.5	23.9	22.8	23.7	23.2
45–64 years . . . . .	37.1	34.4	30.0	23.7	24.3	21.3	23.5	23.5
45–54 years . . . . .	32.0	31.6	27.9	22.9	23.2	22.4	24.4	24.4
55–64 years . . . . .	43.6	38.1	32.7	24.5	25.7	19.4	22.2	22.3
65 years and over . . . . .	52.8	44.0	38.4	35.0	41.6	31.1	31.8	29.8
65–74 years . . . . .	50.5	39.6	36.0	30.4	32.2	22.7	24.7	23.4
75–84 years . . . . .	58.3	52.5	42.8	42.3	56.1	38.6	38.1	35.1
85 years and over . . . . .	58.3	57.4	42.4	50.6	65.9	57.5	50.7	47.8
Female								
All ages, age adjusted <sup>4</sup> . . . . .	5.6	5.6	7.4	5.7	4.8	4.0	4.2	4.2
All ages, crude . . . . .	5.1	4.9	6.6	5.5	4.8	4.0	4.3	4.3
Under 1 year . . . . .	...	...	...	...	...	...	...	*
1–4 years . . . . .	...	...	...	...	...	...	...	*
5–14 years . . . . .	0.1	0.1	0.2	0.2	0.4	0.3	0.3	0.3
15–24 years . . . . .	2.6	2.2	4.2	4.3	3.9	3.0	2.9	3.0
15–19 years . . . . .	1.8	1.6	2.9	3.0	3.7	2.7	2.4	2.7
20–24 years . . . . .	3.3	2.9	5.7	5.5	4.1	3.2	3.5	3.4
25–44 years . . . . .	6.2	6.6	10.2	7.7	6.2	5.4	5.8	5.7
25–34 years . . . . .	4.9	5.5	8.6	7.1	5.6	4.3	4.6	4.6
35–44 years . . . . .	7.5	7.7	11.9	8.5	6.8	6.4	6.9	6.6
45–64 years . . . . .	9.9	10.2	12.0	8.9	7.1	6.2	6.7	7.0
45–54 years . . . . .	9.9	10.2	12.6	9.4	6.9	6.7	7.4	7.7
55–64 years . . . . .	9.9	10.2	11.4	8.4	7.3	5.4	5.7	5.9
65 years and over . . . . .	9.4	8.4	8.1	6.1	6.4	4.0	4.1	3.8
65–74 years . . . . .	10.1	8.4	9.0	6.5	6.7	4.0	4.1	3.8
75–84 years . . . . .	8.1	8.9	7.0	5.5	6.3	4.0	4.2	4.0
85 years and over . . . . .	8.2	6.0	5.9	5.5	5.4	4.2	3.8	3.3
White male <sup>5</sup>								
All ages, age adjusted <sup>4</sup> . . . . .	22.3	21.1	20.8	20.9	22.8	19.1	20.0	19.6
All ages, crude . . . . .	19.0	17.6	18.0	19.9	22.0	18.8	19.9	19.5
15–24 years . . . . .	6.6	8.6	13.9	21.4	23.2	17.9	17.7	16.9
25–44 years . . . . .	17.9	18.5	21.5	24.6	25.4	22.9	24.0	23.9
45–64 years . . . . .	39.3	36.5	31.9	25.0	26.0	23.2	25.9	26.1
65 years and over . . . . .	55.8	46.7	41.1	37.2	44.2	33.3	34.2	32.1
65–74 years . . . . .	53.2	42.0	38.7	32.5	34.2	24.3	26.8	25.2
75–84 years . . . . .	61.9	55.7	45.5	45.5	60.2	41.1	40.6	37.5
85 years and over . . . . .	61.9	61.3	45.8	52.8	70.3	61.6	53.9	51.4

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 46 (page 2 of 3). Death rates for suicide, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>Black or African American male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	7.5	8.4	10.0	11.4	12.8	10.0	9.8	9.2
All ages, crude . . . . .	6.3	6.4	8.0	10.3	12.0	9.4	9.1	8.8
15–24 years . . . . .	4.9	4.1	10.5	12.3	15.1	14.2	11.3	12.1
25–44 years . . . . .	9.8	12.6	16.1	19.2	19.6	14.3	15.1	14.3
45–64 years . . . . .	12.7	13.0	12.4	11.8	13.1	9.9	9.6	9.0
65 years and over . . . . .	9.0	9.9	8.7	11.4	14.9	11.5	11.7	9.2
65–74 years . . . . .	10.0	11.3	8.7	11.1	14.7	11.1	9.7	8.3
75–84 years <sup>6</sup> . . . . .	*	*	*	10.5	14.4	12.1	13.8	11.3
85 years and over . . . . .	---	*	*	*	*	*	*	*
<b>American Indian or Alaska Native male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	19.3	20.1	16.0	16.4	16.6
All ages, crude . . . . .	---	---	---	20.9	20.9	15.9	16.8	17.1
15–24 years . . . . .	---	---	---	45.3	49.1	26.2	27.9	27.2
25–44 years . . . . .	---	---	---	31.2	27.8	24.5	26.8	30.1
45–64 years . . . . .	---	---	---	*	*	15.4	14.1	9.5
65 years and over . . . . .	---	---	---	*	*	*	*	*
<b>Asian or Pacific Islander male<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	10.7	9.6	8.6	8.0	8.5
All ages, crude . . . . .	---	---	---	8.8	8.7	7.9	7.6	8.0
15–24 years . . . . .	---	---	---	10.8	13.5	9.1	8.7	9.0
25–44 years . . . . .	---	---	---	11.0	10.6	9.9	9.3	9.2
45–64 years . . . . .	---	---	---	13.0	9.7	9.7	9.1	10.0
65 years and over . . . . .	---	---	---	18.6	16.8	15.4	14.4	17.5
<b>Hispanic or Latino male<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	13.7	10.3	9.9	9.7
All ages, crude . . . . .	---	---	---	---	11.4	8.4	8.3	8.3
15–24 years . . . . .	---	---	---	---	14.7	10.9	10.6	11.2
25–44 years . . . . .	---	---	---	---	16.2	11.2	10.9	10.9
45–64 years . . . . .	---	---	---	---	16.1	12.0	11.9	12.0
65 years and over . . . . .	---	---	---	---	23.4	19.5	17.5	15.6
<b>White, not Hispanic or Latino male<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	---	---	---	---	23.5	20.2	21.4	21.0
All ages, crude . . . . .	---	---	---	---	23.1	20.4	21.9	21.6
15–24 years . . . . .	---	---	---	---	24.4	19.5	19.3	18.2
25–44 years . . . . .	---	---	---	---	26.4	25.1	26.9	26.8
45–64 years . . . . .	---	---	---	---	26.8	24.0	27.2	27.4
65 years and over . . . . .	---	---	---	---	45.4	33.9	35.1	33.1
<b>White female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	6.0	5.9	7.9	6.1	5.2	4.3	4.7	4.6
All ages, crude . . . . .	5.5	5.3	7.1	5.9	5.3	4.4	4.8	4.7
15–24 years . . . . .	2.7	2.3	4.2	4.6	4.2	3.1	3.1	3.1
25–44 years . . . . .	6.6	7.0	11.0	8.1	6.6	6.0	6.6	6.4
45–64 years . . . . .	10.6	10.9	13.0	9.6	7.7	6.9	7.5	7.8
65 years and over . . . . .	9.9	8.8	8.5	6.4	6.8	4.3	4.3	4.0
<b>Black or African American female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup> . . . . .	1.8	2.0	2.9	2.4	2.4	1.8	1.6	1.9
All ages, crude . . . . .	1.5	1.6	2.6	2.2	2.3	1.7	1.5	1.8
15–24 years . . . . .	1.8	*	3.8	2.3	2.3	2.2	1.7	2.0
25–44 years . . . . .	2.3	3.0	4.8	4.3	3.8	2.6	2.4	2.8
45–64 years . . . . .	2.7	3.1	2.9	2.5	2.9	2.1	2.1	2.4
65 years and over . . . . .	*	*	2.6	*	1.9	1.3	1.1	1.4

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 46 (page 3 of 3). Death rates for suicide, by sex, race, Hispanic origin, and age: United States, selected years 1950–2003**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1,2</sup>	1960 <sup>1,2</sup>	1970 <sup>2</sup>	1980 <sup>2</sup>	1990	2000 <sup>3</sup>	2002	2003
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	4.7	3.6	3.8	4.1	3.5
All ages, crude	---	---	---	4.7	3.7	4.0	4.3	3.7
15–24 years	---	---	---	*	*	*	7.4	8.3
25–44 years	---	---	---	10.7	*	7.2	5.6	4.6
45–64 years	---	---	---	*	*	*	*	*
65 years and over	---	---	---	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>5</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	5.5	4.1	2.8	3.0	3.1
All ages, crude	---	---	---	4.7	3.4	2.7	2.9	3.1
15–24 years	---	---	---	*	3.9	2.7	*	3.4
25–44 years	---	---	---	5.4	3.8	3.3	3.3	3.4
45–64 years	---	---	---	7.9	5.0	3.2	3.8	4.3
65 years and over	---	---	---	*	8.5	5.2	6.8	4.6
<b>Hispanic or Latino female<sup>5,7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	2.3	1.7	1.8	1.7
All ages, crude	---	---	---	---	2.2	1.5	1.6	1.5
15–24 years	---	---	---	---	3.1	2.0	2.1	2.2
25–44 years	---	---	---	---	3.1	2.1	2.0	2.0
45–64 years	---	---	---	---	2.5	2.5	2.5	2.4
65 years and over	---	---	---	---	*	*	1.9	*
<b>White, not Hispanic or Latino female<sup>7</sup></b>								
All ages, age adjusted <sup>4</sup>	---	---	---	---	5.4	4.7	5.1	5.0
All ages, crude	---	---	---	---	5.6	4.9	5.3	5.3
15–24 years	---	---	---	---	4.3	3.3	3.4	3.3
25–44 years	---	---	---	---	7.0	6.7	7.5	7.2
45–64 years	---	---	---	---	8.0	7.3	8.0	8.3
65 years and over	---	---	---	---	7.0	4.4	4.5	4.2

... Category not applicable.

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

--- Data not available.

<sup>1</sup>Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

<sup>2</sup>Underlying cause of death was coded according to the Sixth Revision of the International Classification of Diseases (ICD) in 1950, Seventh Revision in 1960, Eighth Revision in 1970, and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>4</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>6</sup>In 1950, rate is for the age group 75 years and over.

<sup>7</sup>Prior to 1997, excludes data from states lacking a Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Figures for 2001 include September 11-related deaths for which death certificates were filed as of October 24, 2002. See Appendix II, Cause of death; table V for terrorism-related ICD–10 codes. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. For additional injury-related statistics, see Web-based Injury Statistics Query and Reporting System, available from: [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars). Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; Grove RD, Hetzel AM. Vital statistics rates in the United States, 1940–1960. Washington, DC: U.S. Government Printing Office. 1968; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 47 (page 1 of 3). Death rates for firearm-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1970–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1970 <sup>1</sup>	1980 <sup>1</sup>	1990	1995	2000 <sup>2</sup>	2001	2002	2003
All persons								
All ages, age adjusted <sup>3</sup>	14.3	14.8	14.6	13.4	10.2	10.3	10.4	10.3
All ages, crude	13.1	14.9	14.9	13.5	10.2	10.4	10.5	10.4
Under 1 year	*	*	*	*	*	*	*	*
1–14 years	1.6	1.4	1.5	1.6	0.7	0.7	0.7	0.7
1–4 years	1.0	0.7	0.6	0.6	0.3	0.5	0.4	0.3
5–14 years	1.7	1.6	1.9	1.9	0.9	0.8	0.8	0.8
15–24 years	15.5	20.6	25.8	26.7	16.8	16.7	16.7	16.6
15–19 years	11.4	14.7	23.3	24.1	12.9	12.4	12.1	12.1
20–24 years	20.3	26.4	28.1	29.2	20.9	21.2	21.3	21.1
25–44 years	20.9	22.5	19.3	16.9	13.1	13.5	13.7	13.4
25–34 years	22.2	24.3	21.8	19.6	14.5	15.5	15.4	15.5
35–44 years	19.6	20.0	16.3	14.3	11.9	11.7	12.1	11.5
45–64 years	17.6	15.2	13.6	11.7	10.0	10.3	10.6	10.7
45–54 years	18.1	16.4	13.9	12.0	10.5	10.5	10.8	11.2
55–64 years	17.0	13.9	13.3	11.3	9.4	10.1	10.2	10.1
65 years and over	13.8	13.5	16.0	14.1	12.2	12.4	12.4	11.8
65–74 years	14.5	13.8	14.4	12.8	10.6	10.9	10.9	10.4
75–84 years	13.4	13.4	19.4	16.3	13.9	14.3	14.4	13.5
85 years and over	10.2	11.6	14.7	14.4	14.2	12.8	12.5	12.5
Male								
All ages, age adjusted <sup>3</sup>	24.8	25.9	26.1	23.8	18.1	18.5	18.6	18.4
All ages, crude	22.2	25.7	26.2	23.6	17.8	18.2	18.4	18.3
Under 1 year	*	*	*	*	*	*	*	*
1–14 years	2.3	2.0	2.2	2.3	1.1	1.0	1.0	1
1–4 years	1.2	0.9	0.7	0.8	0.4	0.5	0.5	0.3
5–14 years	2.7	2.5	2.9	2.9	1.4	1.2	1.2	1.2
15–24 years	26.4	34.8	44.7	46.5	29.4	29.6	29.3	29.2
15–19 years	19.2	24.5	40.1	41.6	22.4	21.8	21.1	21.2
20–24 years	35.1	45.2	49.1	51.5	37.0	37.7	37.6	37.1
25–44 years	34.1	38.1	32.6	28.4	22.0	22.8	23.1	22.9
25–34 years	36.5	41.4	37.0	33.2	24.9	26.7	26.5	27.1
35–44 years	31.6	33.2	27.4	23.6	19.4	19.2	20.1	19.1
45–64 years	31.0	25.9	23.4	20.0	17.1	17.6	18.1	18.3
45–54 years	30.7	27.3	23.2	20.1	17.6	17.8	18.2	18.8
55–64 years	31.3	24.5	23.7	19.8	16.3	17.4	18.0	17.7
65 years and over	29.7	29.7	35.3	30.7	26.4	26.8	26.9	25.4
65–74 years	29.5	27.8	28.2	25.1	20.3	21.1	21.3	20.3
75–84 years	31.0	33.0	46.9	37.8	32.2	32.8	32.9	30.2
85 years and over	26.2	34.9	49.3	47.1	44.7	40.2	38.9	37.8
Female								
All ages, age adjusted <sup>3</sup>	4.8	4.7	4.2	3.8	2.8	2.8	2.8	2.7
All ages, crude	4.4	4.7	4.3	3.8	2.8	2.8	2.8	2.7
Under 1 year	*	*	*	*	*	*	*	*
1–14 years	0.8	0.7	0.8	0.8	0.3	0.4	0.5	0.3
1–4 years	0.9	0.5	0.5	0.5	*	0.4	0.3	0.3
5–14 years	0.8	0.7	1.0	0.9	0.4	0.4	0.5	0.3
15–24 years	4.8	6.1	6.0	5.9	3.5	3.2	3.5	3.3
15–19 years	3.5	4.6	5.7	5.6	2.9	2.6	2.7	2.4
20–24 years	6.4	7.7	6.3	6.1	4.2	3.8	4.2	4.2
25–44 years	8.3	7.4	6.1	5.5	4.2	4.2	4.1	3.8
25–34 years	8.4	7.5	6.7	5.8	4.0	4.0	4.0	3.6
35–44 years	8.2	7.2	5.4	5.2	4.4	4.3	4.2	4.0
45–64 years	5.4	5.4	4.5	3.9	3.4	3.4	3.4	3.4
45–54 years	6.4	6.2	4.9	4.2	3.6	3.5	3.6	3.8
55–64 years	4.2	4.6	4.0	3.5	3.0	3.3	3.1	2.9
65 years and over	2.4	2.5	3.1	2.8	2.2	2.2	2.0	2.1
65–74 years	2.8	3.1	3.6	3.0	2.5	2.4	2.3	2.2
75–84 years	1.7	1.7	2.9	2.8	2.0	2.2	2.1	2.2
85 years and over	*	1.3	1.3	1.8	1.7	1.3	1.1	1.3
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup>	19.7	22.1	22.0	20.1	15.9	16.3	16.2	16.0
All ages, crude	17.6	21.8	21.8	19.9	15.6	16.2	16.1	16.0
1–14 years	1.8	1.9	1.9	1.9	1.0	0.9	0.8	0.7
15–24 years	16.9	28.4	29.5	30.8	19.6	19.5	19.4	19.2
25–44 years	24.2	29.5	25.7	23.2	18.0	18.9	18.5	18.1
25–34 years	24.3	31.1	27.8	25.2	18.1	19.9	18.5	18.8
35–44 years	24.1	27.1	23.3	21.2	17.9	18.0	18.5	17.5
45–64 years	27.4	23.3	22.8	19.5	17.4	18.3	18.7	19.0
65 years and over	29.9	30.1	36.8	32.2	28.2	28.6	28.9	27.4

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 47 (page 2 of 3). Death rates for firearm-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1970–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1970 <sup>1</sup>	1980 <sup>1</sup>	1990	1995	2000 <sup>2</sup>	2001	2002	2003
Deaths per 100,000 resident population								
Black or African American male <sup>4</sup>								
All ages, age adjusted <sup>3</sup>	70.8	60.1	56.3	49.2	34.2	34.5	36.0	35.6
All ages, crude	60.8	57.7	61.9	52.9	36.1	36.4	37.8	37.8
1–14 years	5.3	3.0	4.4	4.4	1.8	1.6	1.8	2.1
15–24 years	97.3	77.9	138.0	138.7	89.3	90.3	87.1	87.6
25–44 years	126.2	114.1	90.3	70.2	54.1	54.8	60.6	60.5
25–34 years	145.6	128.4	108.6	92.3	74.8	77.7	85.6	87.2
35–44 years	104.2	92.3	66.1	46.3	34.3	33.2	36.9	34.8
45–64 years	71.1	55.6	34.5	28.3	18.4	17.2	18.6	18.1
65 years and over	30.6	29.7	23.9	21.8	13.8	14.9	14.2	12.1
American Indian or Alaska Native male <sup>4</sup>								
All ages, age adjusted <sup>3</sup>	---	24.0	19.4	19.4	13.1	13.0	14.8	14.1
All ages, crude	---	27.5	20.5	20.9	13.2	12.9	15.3	14.7
15–24 years	---	55.3	49.1	40.9	26.9	24.3	30.0	27.6
25–44 years	---	43.9	25.4	31.2	16.6	18.8	21.7	21.8
45–64 years	---	*	*	14.2	12.2	9.6	12.4	10.5
65 years and over	---	*	*	*	*	*	*	*
Asian or Pacific Islander male <sup>4</sup>								
All ages, age adjusted <sup>3</sup>	---	7.8	8.8	9.2	6.0	5.2	5.5	5.4
All ages, crude	---	8.2	9.4	10.0	6.2	5.4	5.7	5.7
15–24 years	---	10.8	21.0	24.3	9.3	9.6	11.7	10.5
25–44 years	---	12.8	10.9	10.6	8.1	6.6	6.3	6.9
45–64 years	---	10.4	8.1	8.2	7.4	5.7	5.8	5.7
65 years and over	---	*	*	*	*	5.3	*	*
Hispanic or Latino male <sup>4,5</sup>								
All ages, age adjusted <sup>3</sup>	---	---	27.6	23.8	13.6	13.7	13.4	13.6
All ages, crude	---	---	29.9	26.2	14.2	14.6	14.2	14.6
1–14 years	---	---	2.6	2.8	1.0	0.7	0.9	0.8
15–24 years	---	---	55.5	61.7	30.8	31.4	32.1	32.8
25–44 years	---	---	42.7	31.4	17.3	19.1	17.6	18.6
25–34 years	---	---	47.3	36.4	20.3	22.7	21.2	22.8
35–44 years	---	---	35.4	24.2	13.2	14.4	12.9	13.3
45–64 years	---	---	21.4	17.2	12.0	10.0	9.9	10.3
65 years and over	---	---	19.1	16.5	12.2	12.0	12.3	10.6
White, not Hispanic or Latino male <sup>5</sup>								
All ages, age adjusted <sup>3</sup>	---	---	20.6	18.6	15.5	16.0	16.0	15.6
All ages, crude	---	---	20.4	18.5	15.7	16.3	16.3	16.0
1–14 years	---	---	1.6	1.6	1.0	1.0	0.7	0.7
15–24 years	---	---	24.1	23.5	16.2	16.0	15.6	15.2
25–44 years	---	---	23.3	21.4	17.9	18.6	18.4	17.7
25–34 years	---	---	24.7	22.5	17.2	18.9	17.4	17.3
35–44 years	---	---	21.6	20.4	18.4	18.4	19.3	18.1
45–64 years	---	---	22.7	19.5	17.8	19.0	19.4	19.8
65 years and over	---	---	37.4	32.5	29.0	29.4	29.8	28.4
White female <sup>4</sup>								
All ages, age adjusted <sup>3</sup>	4.0	4.2	3.8	3.5	2.7	2.7	2.7	2.6
All ages, crude	3.7	4.1	3.8	3.5	2.7	2.7	2.7	2.6
15–24 years	3.4	5.1	4.8	4.5	2.8	2.7	2.6	2.5
25–44 years	6.9	6.2	5.3	4.9	3.9	3.9	3.8	3.6
45–64 years	5.0	5.1	4.5	4.0	3.5	3.7	3.6	3.7
65 years and over	2.2	2.5	3.1	2.8	2.4	2.3	2.2	2.1

See footnotes at end of table.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 47 (page 3 of 3). Death rates for firearm-related injuries, by sex, race, Hispanic origin, and age: United States, selected years 1970–2003**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1970 <sup>1</sup>	1980 <sup>1</sup>	1990	1995	2000 <sup>2</sup>	2001	2002	2003
Deaths per 100,000 resident population								
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	11.1	8.7	7.3	6.2	3.9	3.8	4.1	3.8
All ages, crude . . . . .	10.0	8.8	7.8	6.5	4.0	3.8	4.2	3.9
15–24 years . . . . .	15.2	12.3	13.3	13.2	7.6	6.1	8.1	7.4
25–44 years . . . . .	19.4	16.1	12.4	9.8	6.5	6.9	6.7	6.1
45–64 years . . . . .	10.2	8.2	4.8	4.1	3.1	2.6	3.0	2.7
65 years and over . . . . .	4.3	3.1	3.1	2.6	1.3	1.4	1.2	1.8
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	5.8	3.3	3.8	2.9	2.8	3.1	2.4
All ages, crude . . . . .	---	5.8	3.4	4.1	2.9	2.9	3.4	2.6
15–24 years . . . . .	---	*	*	*	*	*	*	*
25–44 years . . . . .	---	10.2	*	7.0	5.5	5.0	*	*
45–64 years . . . . .	---	*	*	*	*	*	*	*
65 years and over . . . . .	---	*	*	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	2.0	1.9	2.0	1.1	1.0	1.1	1.1
All ages, crude . . . . .	---	2.1	2.1	2.1	1.2	1.1	1.2	1.2
15–24 years . . . . .	---	*	*	3.9	*	*	*	2.1
25–44 years . . . . .	---	3.2	2.7	2.7	1.5	1.5	1.7	1.3
45–64 years . . . . .	---	*	*	*	*	*	*	1.5
65 years and over . . . . .	---	*	*	*	*	*	*	*
<b>Hispanic or Latino female<sup>4,5</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	3.3	3.1	1.8	1.7	1.6	1.6
All ages, crude . . . . .	---	---	3.6	3.3	1.8	1.7	1.6	1.7
15–24 years . . . . .	---	---	6.9	6.1	2.9	3.3	2.8	3.5
25–44 years . . . . .	---	---	5.1	4.7	2.5	2.5	2.4	2.2
45–64 years . . . . .	---	---	2.4	2.4	2.2	1.6	1.6	1.5
65 years and over . . . . .	---	---	*	*	*	*	*	*
<b>White, not Hispanic or Latino female<sup>5</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	3.7	3.4	2.8	2.8	2.8	2.7
All ages, crude . . . . .	---	---	3.7	3.5	2.9	2.9	2.8	2.7
15–24 years . . . . .	---	---	4.3	4.1	2.7	2.5	2.5	2.2
25–44 years . . . . .	---	---	5.1	4.8	4.2	4.1	4.1	3.9
45–64 years . . . . .	---	---	4.6	4.1	3.6	3.8	3.8	3.9
65 years and over . . . . .	---	---	3.2	2.8	2.4	2.4	2.3	2.2

\* Rates based on fewer than 20 deaths are considered unreliable and are not shown.

--- Data not available.

<sup>1</sup>Underlying cause of death was coded according to the Eighth Revision in 1970 and Ninth Revision in 1980–1998. See Appendix II, Cause of death; tables IV and V.

<sup>2</sup>Starting with 1999 data, cause of death is coded according to ICD–10. See Appendix II, Cause of death; Comparability ratio; tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population. Prior to 2003, age-adjusted rates were calculated using standard million proportions based on rounded population numbers. Starting with 2003 data, unrounded population numbers are used to calculate age-adjusted rates. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Death rates for the American Indian or Alaska Native and Asian or Pacific Islander populations are known to be underestimated. See Appendix II, Race, for a discussion of sources of bias in death rates by race and Hispanic origin.

<sup>5</sup>Prior to 1997, excludes data from states lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Starting with *Health, United States, 2003*, rates for 1991–1999 were revised using intercensal population estimates based on the 2000 census. Rates for 2000 were revised based on 2000 census counts. Rates for 2001 and later years were computed using 2000-based postcensal estimates. See Appendix I, Population Census and Population Estimates. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. For additional injury-related statistics, see Web-based Injury Statistics Query and Reporting System, available from: [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars). Starting with 2003 data, California, Hawaii, Idaho, Maine, Montana, New York, and Wisconsin reported multiple-race data. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; numerator data from annual mortality files; denominator data from national population estimates for race groups from Table 1 and unpublished Hispanic population estimates for 1985–1996 prepared by the Housing and Household Economic Statistics Division, U.S. Census Bureau; additional mortality tables are available from: [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Hoyert DL, Heron M, Murphy SL, Kung HC. Deaths: Final data for 2003. National vital statistics reports. Vol 54 no 13. Hyattsville, MD: National Center for Health Statistics. 2006.

This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 49 (page 1 of 2). Occupational injury deaths and rates, by industry, sex, age, race, and Hispanic origin: United States, selected years 1992–2004**

[Data are compiled from various federal, state, and local administrative sources]

Characteristic	1992 <sup>1</sup>	1995	1998	1999	2000	2001 <sup>2</sup>	2002	2003	2004
Deaths per 100,000 employed workers <sup>3</sup>									
Total work force . . . . .	5.2	4.9	4.5	4.5	4.3	4.3	4.0	4.0	4.1
Sex									
Male . . . . .	---	8.3	7.7	7.7	7.4	7.4	6.9	7.0	7.2
Female . . . . .	---	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6
Age									
16–17 years . . . . .	---	1.6	1.2	1.6	1.6	1.3	1.1	1.2	1.1
18–19 years . . . . .	---	3.3	3.1	2.7	2.7	2.8	2.2	2.3	2.8
20–24 years . . . . .	---	3.8	3.3	3.4	3.3	3.2	3.2	3.4	3.1
25–34 years . . . . .	---	4.3	3.9	3.8	3.8	3.8	3.3	3.4	3.3
35–44 years . . . . .	---	4.6	4.2	4.1	4.0	4.1	4.0	3.8	3.9
45–54 years . . . . .	---	5.2	4.6	4.6	4.4	4.5	4.0	4.1	4.3
55–64 years . . . . .	---	7.2	6.5	6.1	6.1	5.5	5.0	4.8	5.2
65 years and over . . . . .	---	14.0	14.5	14.6	12.0	12.7	11.5	11.3	11.8
Race and Hispanic origin <sup>4</sup>									
White . . . . .	---	4.7	4.5	4.4	---	---	---	---	---
Black or African American . . . . .	---	5.1	4.0	4.1	---	---	---	---	---
Hispanic or Latino . . . . .	---	5.5	5.2	5.2	5.6	6.0	5.0	4.5	5.0
Not Hispanic or Latino . . . . .	---	4.9	4.5	4.4	4.2	4.1	3.9	4.0	4.0
White . . . . .	---	---	---	---	4.2	4.2	3.9	4.0	4.1
Black or African American . . . . .	---	---	---	---	3.9	3.8	3.5	3.8	3.8
Asian, Native Hawaiian or Other Pacific Islander . . . . .	---	---	---	---	---	---	---	2.8	3.0
Industry <sup>5</sup>									
Private sector . . . . .	...	...	...	...	...	...	...	4.7	4.8
Goods producing . . . . .	...	...	...	...	...	...	...	9.1	9.6
Natural resources and mining . . . . .	...	...	...	...	...	...	...	55.7	47.9
Construction . . . . .	...	...	...	...	...	...	...	14.3	14.6
Manufacturing . . . . .	...	...	...	...	...	...	...	2.5	2.9
Service providing . . . . .	...	...	...	...	...	...	...	3.2	3.3
Trade, transportation, and utilities . . . . .	...	...	...	...	...	...	...	5.6	6.0
Information . . . . .	...	...	...	...	...	...	...	1.9	1.8
Financial activities . . . . .	...	...	...	...	...	...	...	1.5	1.3
Professional and business services . . . . .	...	...	...	...	...	...	...	3.9	3.8
Educational and health services . . . . .	...	...	...	...	...	...	...	0.8	0.9
Leisure and hospitality . . . . .	...	...	...	...	...	...	...	2.6	2.3
Other services, except public administration . . . . .	...	...	...	...	...	...	...	3.4	3.5
Government <sup>6</sup> . . . . .	...	...	...	...	...	...	...	2.7	2.7
Number of deaths <sup>7</sup>									
Total work force . . . . .	6,217	6,275	6,055	6,054	5,920	5,915	5,534	5,575	5,764
Sex									
Male . . . . .	5,774	5,736	5,569	5,612	5,471	5,442	5,092	5,129	5,349
Female . . . . .	443	539	486	442	449	473	442	446	415
Age									
Under 16 years . . . . .	27	26	33	26	29	20	16	25	13
16–17 years . . . . .	41	42	32	46	44	33	25	28	25
18–19 years . . . . .	107	130	137	122	127	122	92	84	103
20–24 years . . . . .	544	486	421	451	446	441	436	462	421
25–34 years . . . . .	1,556	1,409	1,238	1,175	1,163	1,142	1,023	1,018	996
35–44 years . . . . .	1,538	1,571	1,525	1,510	1,473	1,478	1,403	1,329	1,342
45–54 years . . . . .	1,167	1,256	1,279	1,333	1,313	1,368	1,253	1,301	1,384
55–64 years . . . . .	767	827	836	816	831	775	784	802	907
65 years and over . . . . .	467	515	541	565	488	530	495	523	569
Unspecified . . . . .	3	13	13	10	6	6	7	3	4

See footnotes at end of table.

**Table 49 (page 2 of 2). Occupational injury deaths and rates, by industry, sex, age, race, and Hispanic origin: United States, selected years 1992–2004**

[Data are compiled from various federal, state, and local administrative sources]

Characteristic	1992 <sup>1</sup>	1995	1998	1999	2000	2001 <sup>2</sup>	2002	2003	2004
Race and Hispanic origin									
	Number of deaths <sup>8</sup>								
White . . . . .	5,173	5,120	5,041	4,990	---	---	---	---	---
Black or African American . . . . .	624	697	594	626	---	---	---	---	---
Hispanic or Latino . . . . .	533	619	707	730	815	895	841	794	902
Not Hispanic or Latino . . . . .	5,684	5,656	5,348	5,324	5,105	5,020	4,693	4,781	4,862
White . . . . .	4,712	4,599	4,478	4,410	4,244	4,175	3,926	3,988	4,066
Black or African American . . . . .	618	684	583	616	575	565	491	543	546
American Indian or Alaska Native . . . . .	36	27	28	54	33	48	40	42	28
Asian <sup>8</sup> . . . . .	192	188	164	180	171	173	131	147	168
Native Hawaiian or Other Pacific Islander . . . . .	---	---	---	---	14	9	9	11	12
Multiple races . . . . .	---	---	---	---	---	6	4	3	4
Other races or not reported . . . . .	126	158	95	64	68	44	92	47	38
Industry <sup>5</sup>									
Private sector . . . . .	---	---	---	---	---	---	---	5,043	5,229
Goods producing . . . . .	---	---	---	---	---	---	---	2,401	2,518
Natural resources and mining . . . . .	---	---	---	---	---	---	---	850	821
Construction . . . . .	---	---	---	---	---	---	---	1,131	1,234
Manufacturing . . . . .	---	---	---	---	---	---	---	420	463
Service providing . . . . .	---	---	---	---	---	---	---	2,642	2,711
Trade, transportation, and utilities . . . . .	---	---	---	---	---	---	---	1,375	1,473
Information . . . . .	---	---	---	---	---	---	---	64	55
Financial activities . . . . .	---	---	---	---	---	---	---	129	116
Professional and business services . . . . .	---	---	---	---	---	---	---	453	452
Educational and health services . . . . .	---	---	---	---	---	---	---	143	157
Leisure and hospitality . . . . .	---	---	---	---	---	---	---	275	247
Other services, except public administration . . . . .	---	---	---	---	---	---	---	194	207
Government <sup>6</sup> . . . . .	---	---	---	---	---	---	---	532	535

--- Data not available.

... Data not applicable.

<sup>1</sup>1992 and 1993 employment data by demographic characteristics are not available from the Current Population Survey (CPS) for calculation of rates.

<sup>2</sup>2,871 fatalities due to the September 11 terrorist attacks are not included.

<sup>3</sup>Numerator excludes deaths to workers under the age of 16 years. Starting with 2003 data, employment data in denominators are average annual estimates of employed civilians 16 years of age and over from the CPS; in prior years, it also included resident armed forces figures from the U.S. Census Bureau (1992–1998) and Department of Defense (1999–2002).

<sup>4</sup>Employment data for American Indian or Alaska Native workers and, prior to 2003, Asian or Pacific Islander workers, were not available for the calculation of rates.

Employment data for non-Hispanic white and non-Hispanic black workers were not available before the year 2000. In 1999 and earlier years, the race groups white and black included persons of Hispanic and non-Hispanic origin.

<sup>5</sup>Totals for major categories may include subcategories not shown separately. Starting with 2003 data, establishments were classified by industry according to the 2002 North American Industry Classification System (NAICS). Prior to 2003, the Standard Industrial Classification (SIC) system was used. Because of substantial differences between these systems, industry data classified by these two systems are not comparable. Industry data for 1992–2002 classified by SIC are available in *Health, United States, 2004*, Table 49 available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). See Appendix II, Industry of employment.

<sup>6</sup>Includes fatalities to workers employed by governmental organizations, regardless of industry.

<sup>7</sup>Includes fatalities to all workers, regardless of age.

<sup>8</sup>In 1999 and earlier years, category also included Native Hawaiian or Other Pacific Islander.

NOTES: Fatalities and rates are based on revised data and may differ from originally published data from the Census of Fatal Occupational Injuries (CFOI). See Appendix I, CFOI. CFOI began collecting fatality data in 1992. For data for prior years, see Centers for Disease Control and Prevention. Fatal Occupational Injuries—United States, 1980–1997. *MMWR* 2001;50(16):317–20, which reports trend data from the National Traumatic Occupational Fatalities (NTOF) surveillance system. NTOF was established at the National Institute of Occupational Safety and Health (NIOSH) to monitor occupational injury deaths through death certificates. Data for additional years are available. See Appendix III.

SOURCE: Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries. Revised annual data.

**Table 52 (page 1 of 2). Acquired immunodeficiency syndrome (AIDS) cases, by year of diagnosis and selected characteristics: United States and outlying U.S. areas, 1999–2004**

[Data are based on reporting by state and outlying U.S. area health departments]

Sex, race and Hispanic origin, age at diagnosis, and region of residence	All years <sup>1</sup>	Year of diagnosis					
		1999	2000	2001	2002	2003	2004
		Estimated number of cases <sup>2</sup>					
All persons <sup>3</sup> . . . . .	944,306	39,551	39,513	39,206	40,267	41,831	42,514
Sex							
Male, 13 years and over . . . . .	756,399	29,642	28,974	28,743	29,730	30,578	31,024
Female, 13 years and over . . . . .	178,463	9,718	10,415	10,348	10,429	11,184	11,442
Children, under 13 years . . . . .	9,443	190	124	115	109	69	48
Not Hispanic or Latino:							
White . . . . .	375,155	11,901	11,378	11,052	11,604	11,657	12,013
Black or African American . . . . .	379,278	19,182	19,510	19,473	19,934	20,685	20,965
American Indian or Alaska Native . . . . .	3,084	158	175	169	186	189	193
Asian or Pacific Islander . . . . .	7,317	349	350	381	440	478	488
Hispanic or Latino <sup>4</sup> . . . . .	177,164	7,827	7,957	7,974	7,907	8,632	8,672
Age at diagnosis							
Under 13 years . . . . .	9,443	190	124	115	109	69	48
13–14 years . . . . .	959	57	60	79	71	58	60
15–24 years . . . . .	39,100	1,510	1,620	1,617	1,779	1,965	2,114
25–34 years . . . . .	310,046	10,850	9,929	9,497	9,290	9,279	9,361
35–44 years . . . . .	370,163	16,285	16,460	16,151	16,541	17,054	16,778
45–54 years . . . . .	154,513	7,760	8,207	8,601	9,093	9,774	10,178
55–64 years . . . . .	45,672	2,170	2,361	2,387	2,648	2,783	3,075
65 years and over . . . . .	14,410	729	752	759	738	848	901
Region of residence							
Northeast . . . . .	289,792	11,419	12,105	11,212	10,395	11,149	11,158
Midwest . . . . .	93,701	3,926	3,968	3,949	4,303	4,495	4,498
South . . . . .	343,449	16,307	15,841	16,598	17,751	18,612	19,792
West . . . . .	187,730	6,663	6,443	6,258	6,745	6,474	6,083
U.S. dependencies, possessions, and associated nations <sup>5</sup> . . . . .	29,634	1,236	1,156	1,190	1,073	1,100	982
		Percent distribution <sup>6</sup>					
All persons <sup>3</sup> . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sex							
Male, 13 years and over . . . . .	80.1	74.9	73.3	73.3	73.8	73.1	73.0
Female, 13 years and over . . . . .	18.9	24.6	26.4	26.4	25.9	26.7	26.9
Children, under 13 years . . . . .	1.0	0.5	0.3	0.3	0.3	0.2	0.1
Not Hispanic or Latino:							
White . . . . .	39.7	30.1	28.8	28.2	28.8	27.9	28.3
Black or African American . . . . .	40.2	48.5	49.4	49.7	49.5	49.4	49.3
American Indian or Alaska Native . . . . .	0.3	0.4	0.4	0.4	0.5	0.5	0.5
Asian or Pacific Islander . . . . .	0.8	0.9	0.9	1.0	1.1	1.1	1.1
Hispanic or Latino <sup>4</sup> . . . . .	18.8	19.8	20.1	20.3	19.6	20.6	20.4

See footnotes at end of table.

**Table 52 (page 2 of 2). Acquired immunodeficiency syndrome (AIDS) cases, by year of diagnosis and selected characteristics: United States and outlying U.S. areas, 1999–2004**

[Data are based on reporting by State and outlying U.S. area health departments]

Sex, race and Hispanic origin, age at diagnosis, and region of residence	All years <sup>1</sup>	Year of diagnosis					
		1999	2000	2001	2002	2003	2004
Age at diagnosis		Percent distribution <sup>5</sup>					
Under 13 years . . . . .	1.0	0.5	0.3	0.3	0.3	0.2	0.1
13–14 years . . . . .	0.1	0.1	0.2	0.2	0.2	0.1	0.1
15–24 years . . . . .	4.1	3.8	4.1	4.1	4.4	4.7	5.0
25–34 years . . . . .	32.8	27.4	25.1	24.2	23.1	22.2	22.0
35–44 years . . . . .	39.2	41.2	41.7	41.2	41.1	40.8	39.5
45–54 years . . . . .	16.4	19.6	20.8	21.9	22.6	23.4	23.9
55–64 years . . . . .	4.8	5.5	6.0	6.1	6.6	6.7	7.2
65 years and over . . . . .	1.5	1.8	1.9	1.9	1.8	2.0	2.1
Region of residence							
Northeast . . . . .	30.7	28.9	30.6	28.6	25.8	26.7	26.2
Midwest . . . . .	9.9	9.9	10.0	10.1	10.7	10.7	10.6
South . . . . .	36.4	41.2	40.1	42.3	44.1	44.5	46.6
West . . . . .	19.9	16.8	16.3	16.0	16.8	15.5	14.3
U.S. dependencies, possessions, and associated nations <sup>5</sup> . . . . .	3.1	3.1	2.9	3.0	2.7	2.6	2.3

<sup>1</sup>Based on cases reported to the Centers for Disease Control and Prevention from the beginning of the epidemic (1981) through June 30, 2005.  
<sup>2</sup>Numbers are point estimates that result from adjustments for reporting delays to AIDS case counts. The estimates do not include adjustments for incomplete reporting. Data are provisional. See Appendix I, AIDS Surveillance.  
<sup>3</sup>Total for all years includes 2,308 persons of unknown race or multiple races and two persons of unknown sex. All persons totals were calculated independent of values for subpopulations. Consequently sums of subpopulations may not equal totals for all persons.  
<sup>4</sup>Persons of Hispanic origin may be of any race. See Appendix II, Hispanic origin.  
<sup>5</sup>Outlying areas include Guam, Puerto Rico, the U.S. Pacific Islands, and the U.S. Virgin Islands.  
<sup>6</sup>Percents may not sum to 100% due to rounding and because 0.2% unknown race and Hispanic origin are included in totals.

NOTES: See Appendix II, Acquired immunodeficiency syndrome (AIDS), for discussion of AIDS case reporting definitions and other issues affecting interpretation of trends. This table replaces surveillance data by year of report in previous editions of *Health, United States*.

SOURCES: Centers for Disease Control and Prevention, National Center for HIV, STD, and TB Prevention, Division of HIV/AIDS Prevention—Surveillance and Epidemiology, AIDS Surveillance; CDC HIV/AIDS Surveillance Report, 2004 (vol. 16). Atlanta, GA: US Department of Health and Human Services, Centers for Disease Control and Prevention. 2005. Available from: [www.cdc.gov/hiv/stats/haslink.htm](http://www.cdc.gov/hiv/stats/haslink.htm).

**Table 55. Diabetes among adults 20 years of age and over, by sex, age, and race and Hispanic origin: United States, 1988–1994 and 2001–2004**

[Data are based on interviews and physical examinations of a sample of the civilian noninstitutionalized population]

Sex, age, and race and Hispanic origin <sup>3</sup>	Physician-diagnosed and undiagnosed diabetes <sup>1,2</sup>		Physician-diagnosed diabetes <sup>1</sup>		Undiagnosed diabetes <sup>2</sup>	
	1988–1994	2001–2004	1988–1994	2001–2004	1988–1994	2001–2004
20 years and over, age adjusted <sup>4</sup>	Percent of population					
All persons <sup>5</sup> . . . . .	8.4	10.3	5.4	7.3	3.0	3.0
Male . . . . .	8.8	11.8	5.4	7.6	3.5	4.3
Female . . . . .	8.0	8.9	5.4	7.1	2.6	1.8
Not Hispanic or Latino:						
White only . . . . .	7.5	8.9	5.0	6.2	2.6	2.8
Black or African American only . . . . .	12.6	14.3	8.6	11.4	4.2	*3.1
Mexican . . . . .	14.1	14.9	9.7	11.8	4.7	3.3
20 years and over, crude						
All persons <sup>5</sup> . . . . .	7.8	10.0	5.1	7.2	2.7	2.9
Male . . . . .	7.9	11.2	4.8	7.2	3.0	4.0
Female . . . . .	7.8	8.9	5.4	7.2	2.4	1.8
Not Hispanic or Latino:						
White only . . . . .	7.5	9.4	5.0	6.5	2.5	2.9
Black or African American only . . . . .	10.4	12.7	6.9	10.1	3.4	*2.6
Mexican . . . . .	9.0	9.2	5.6	7.0	3.4	*2.1
Age						
20–39 years . . . . .	1.6	2.3	1.1	1.6	0.6	*
40–59 years . . . . .	8.9	11.0	5.5	7.9	3.4	3.0
60 years and over . . . . .	18.9	22.5	12.8	16.2	6.1	6.3

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

<sup>1</sup>Physician-diagnosed diabetes was obtained by self-report and excludes women who reported having diabetes only during pregnancy.

<sup>2</sup>Undiagnosed diabetes is defined as a fasting blood glucose of at least 126 mg/dL and no reported physician diagnosis.

<sup>3</sup>Persons of Mexican origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, estimates were tabulated according to the 1977 Standards. Estimates for single-race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. See Appendix II, Hispanic origin; Race.

<sup>4</sup>Estimates are age adjusted to the year 2000 standard population using three age groups: 20–39 years, 40–59 years, and 60 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>5</sup>Includes all other races and Hispanic origins not shown separately.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data have been revised and differ from previous editions of *Health, United States*. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey.

**Table 56 (page 1 of 2). Severe headache or migraine, low back pain, and neck pain among adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Severe headache or migraine <sup>1</sup>			Low back pain <sup>1</sup>			Neck pain <sup>1</sup>		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
Percent of adults with pain during past 3 months									
Total, age-adjusted <sup>2,3</sup>	15.8	15.1	15.3	28.2	27.4	27.1	14.7	14.7	14.6
Total, crude <sup>3</sup>	16.0	15.2	15.3	28.1	27.5	27.2	14.6	14.8	14.8
Age									
18–44 years	18.7	17.8	18.4	26.1	24.2	23.9	13.3	12.5	12.4
18–24 years	18.7	16.8	18.4	21.9	19.6	19.2	9.8	9.1	8.9
25–44 years	18.7	18.1	18.4	27.3	25.8	25.5	14.3	13.7	13.6
45–64 years	15.8	15.1	15.0	31.3	31.5	30.8	17.0	18.2	18.7
45–54 years	17.8	16.5	16.9	31.3	30.2	29.5	17.3	17.9	18.1
55–64 years	12.7	13.1	12.4	31.2	33.4	32.6	16.6	18.5	19.5
65 years and over	7.0	6.9	6.2	29.5	29.9	30.4	15.0	15.1	14.4
65–74 years	8.2	7.9	7.1	30.2	30.8	28.5	15.0	15.6	13.9
75 years and over	5.4	5.7	5.1	28.6	28.9	32.5	15.0	14.5	15.0
Sex <sup>2</sup>									
Male	9.9	9.2	9.7	26.5	25.1	25.0	12.6	12.0	12.1
Female	21.4	20.7	20.7	29.6	29.4	29.0	16.6	17.1	17.0
Sex and age									
Male:									
18–44 years	11.9	10.8	11.0	24.8	22.4	22.0	11.6	10.3	10.0
45–54 years	10.3	9.7	11.2	29.4	29.3	27.4	13.9	14.7	14.6
55–64 years	8.8	8.5	8.8	30.7	30.5	31.2	14.6	15.2	17.0
65–74 years	5.0	5.8	5.6	29.0	25.6	25.7	13.6	12.5	11.8
75 years and over	*2.4	3.2	3.8	22.5	25.1	29.1	12.6	12.6	13.0
Female:									
18–44 years	25.4	24.6	25.6	27.3	26.0	25.8	14.9	14.7	14.9
45–54 years	24.9	22.9	22.3	33.1	31.1	31.6	20.6	21.0	21.4
55–64 years	16.3	17.5	15.7	31.7	36.1	33.9	18.4	21.6	21.7
65–74 years	10.7	9.6	8.2	31.1	35.0	30.9	16.1	18.2	15.6
75 years and over	7.4	7.4	6.0	32.4	31.4	34.6	16.5	15.8	16.3
Race <sup>2,4</sup>									
White only	15.9	15.1	15.5	28.7	27.9	27.8	15.1	15.2	15.4
Black or African American only	16.7	15.2	15.0	26.9	25.0	24.0	13.3	12.1	10.8
American Indian or Alaska Native only	18.9	28.6	19.1	33.3	32.2	35.3	16.2	17.4	18.8
Asian only	11.7	11.9	10.1	21.0	19.7	18.3	9.2	9.1	9.0
Native Hawaiian or Other Pacific Islander only	---	*	*	---	*	*	---	*	*
2 or more races	---	23.2	24.8	---	34.9	34.4	---	20.5	19.0
Hispanic origin and race <sup>2,4</sup>									
Hispanic or Latino	15.5	15.9	15.7	26.4	26.5	23.6	13.9	14.6	13.4
Mexican	14.6	15.3	15.8	25.2	24.6	22.1	12.9	12.5	12.7
Not Hispanic or Latino	15.9	15.2	15.5	28.4	27.6	27.6	14.9	14.9	15.0
White only	16.1	15.3	15.8	29.1	28.4	28.7	15.4	15.6	16.0
Black or African American only	16.8	15.2	15.0	26.9	24.9	23.8	13.3	12.0	10.7
Education <sup>5,6</sup>									
25 years of age and over:									
No high school diploma or GED	19.2	17.7	18.7	33.6	31.6	33.3	16.5	17.0	18.1
High school diploma or GED	16.0	15.3	14.6	30.2	29.6	29.7	15.5	14.8	15.5
Some college or more	13.8	13.8	14.1	26.9	27.3	26.2	14.6	15.3	14.7

See footnotes at end of table.



**Table 56 (page 2 of 2). Severe headache or migraine, low back pain, and neck pain among adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Severe headache or migraine <sup>1</sup>			Low back pain <sup>1</sup>			Neck pain <sup>1</sup>		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
Percent of poverty level <sup>2,7</sup>									
Below 100% . . . . .	23.3	21.0	20.8	35.4	33.2	32.9	18.6	17.9	18.6
100%-less than 200% . . . . .	18.9	18.7	18.8	30.8	30.6	29.8	16.1	16.3	16.0
200% or more . . . . .	13.8	13.3	13.6	26.3	25.8	25.7	13.8	13.8	13.8
Hispanic origin and race and percent of poverty level <sup>2,4,7</sup>									
Hispanic or Latino:									
Below 100% . . . . .	18.9	19.8	19.6	29.5	29.7	27.3	16.4	16.1	16.6
100%-less than 200% . . . . .	15.7	16.4	16.8	26.8	26.6	24.1	12.9	16.9	13.2
200% or more . . . . .	13.4	13.8	13.3	24.3	25.3	21.9	13.3	12.9	12.1
Not Hispanic or Latino:									
White only:									
Below 100% . . . . .	26.2	21.7	22.8	38.9	35.9	37.2	20.5	19.7	22.3
100%-less than 200% . . . . .	20.1	21.0	21.3	33.3	33.0	33.9	18.0	18.0	19.0
200% or more . . . . .	14.1	13.6	14.1	27.1	26.8	27.0	14.4	14.7	14.9
Black or African American only:									
Below 100% . . . . .	22.7	21.0	19.4	34.5	31.2	30.9	17.9	16.0	14.3
100%-less than 200% . . . . .	17.6	15.9	16.5	27.7	27.6	26.3	14.0	12.7	10.7
200% or more . . . . .	13.4	12.5	12.6	23.1	22.0	20.6	10.9	10.3	9.6
Geographic region <sup>2</sup>									
Northeast . . . . .	14.5	14.1	13.3	27.1	27.3	27.7	14.0	14.3	14.9
Midwest . . . . .	15.6	14.9	15.9	28.7	29.0	28.5	15.3	15.2	14.9
South . . . . .	17.1	15.6	15.8	27.5	25.1	26.0	13.9	13.5	13.6
West . . . . .	15.3	15.6	15.7	30.0	29.5	27.0	16.1	16.5	15.9
Location of residence <sup>2</sup>									
Within MSA <sup>8</sup> . . . . .	15.2	14.6	14.6	27.0	26.5	26.2	14.2	14.5	14.1
Outside MSA <sup>8</sup> . . . . .	18.1	17.4	18.3	32.5	30.7	30.4	16.4	15.2	16.7

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

--- Data not available.

<sup>1</sup>In three separate questions, respondents were asked, “During the past 3 months, did you have a severe headache or migraine? ...low back pain? ...neck pain?” Respondents were instructed to report pain that had lasted a whole day or more and, conversely, not to report fleeting or minor aches or pains. Persons may be represented in more than one column.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>3</sup>Includes all other races not shown separately and unknown education level.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Estimates are for persons 25 years of age and over and are age adjusted to the year 2000 standard population using five age groups: 25–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>6</sup>GED stands for General Educational Development high school equivalency diploma. See Appendix II, Education.

<sup>7</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 27%–31% of persons 18 years of age and over in 1997–1998 and 33%–36% in 1999–2004. See Appendix II, Family Income; Poverty.

<sup>8</sup>MSA is metropolitan statistical area.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, sample adult questionnaire.

**Table 57 (page 1 of 4). Joint pain among adults 18 years of age and over, by selected characteristics: United States, 2002–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Any joint pain <sup>1</sup>			Knee pain <sup>1</sup>			Shoulder pain <sup>1</sup>		
	2002	2003	2004	2002	2003	2004	2002	2003	2004
Percent of adults reporting joint pain in past 30 days									
Total, age-adjusted <sup>2,3</sup>	29.5	31.6	30.8	16.5	18.8	18.2	8.6	9.7	9.2
Total, crude <sup>3</sup>	29.5	31.8	31.1	16.5	18.9	18.4	8.7	9.7	9.4
Age									
18–44 years	19.3	20.7	19.2	10.5	12.2	11.4	4.9	5.8	5.0
18–24 years	14.2	14.7	12.9	8.3	9.0	8.0	3.4	3.1	2.8
25–44 years	21.0	22.7	21.4	11.2	13.3	12.6	5.4	6.8	5.7
45–64 years	37.5	40.2	39.8	20.4	23.6	22.8	12.3	13.1	13.4
45–54 years	34.3	36.3	36.5	18.4	20.7	20.7	10.5	11.9	12.6
55–64 years	42.3	45.9	44.5	23.4	27.8	25.8	15.1	14.8	14.5
65 years and over	47.2	50.7	51.6	28.6	31.2	31.6	14.1	15.6	15.2
65–74 years	46.0	49.3	49.3	27.6	30.5	30.4	14.0	15.7	14.1
75 years and over	48.7	52.4	54.2	29.7	32.1	32.9	14.1	15.6	16.5
Sex <sup>2</sup>									
Male	28.0	29.2	29.3	15.2	17.1	17.1	8.4	9.4	9.4
Female	30.7	33.7	32.2	17.6	20.3	19.2	8.8	9.8	9.0
Sex and age									
Male:									
18–44 years	20.1	20.6	19.5	10.7	12.4	11.5	5.5	6.4	5.5
45–54 years	31.1	33.4	34.0	16.2	19.0	19.0	9.5	11.3	13.1
55–64 years	37.3	39.3	41.2	20.1	22.3	23.5	13.7	14.4	14.7
65–74 years	41.7	41.9	43.3	24.1	24.3	25.6	13.3	12.9	12.7
75 years and over	43.9	47.3	49.8	25.7	28.0	30.9	11.4	13.8	14.6
Female:									
18–44 years	18.4	20.8	18.9	10.2	12.1	11.3	4.2	5.3	4.4
45–54 years	37.3	39.2	38.9	20.5	22.3	22.3	11.4	12.6	12.1
55–64 years	46.8	51.9	47.6	26.4	32.8	27.9	16.3	15.1	14.3
65–74 years	49.6	55.4	54.4	30.5	35.6	34.5	14.7	17.9	15.3
75 years and over	51.6	55.6	57.0	32.1	34.7	34.2	15.7	16.7	17.8
Race <sup>2,4</sup>									
White only	29.8	32.2	31.6	16.3	18.9	18.6	8.8	9.7	9.5
Black or African American only	30.8	30.2	28.1	20.2	20.3	18.2	8.3	9.8	7.7
American Indian or Alaska Native only	36.7	39.6	38.3	24.5	29.5	23.4	*11.3	*14.4	*14.2
Asian only	18.1	20.1	20.0	8.5	12.2	10.8	3.9	6.8	6.3
Native Hawaiian or Other Pacific Islander only	*	*	*	*	*	*	*	*	*
2 or more races	42.7	39.2	37.7	28.1	23.2	20.3	15.4	12.8	13.1
Hispanic origin and race <sup>2,4</sup>									
Hispanic or Latino	23.4	23.9	23.8	13.6	14.2	14.8	7.6	8.1	7.4
Mexican	24.6	23.4	23.3	14.1	14.3	15.0	8.3	7.5	7.7
Not Hispanic or Latino	30.4	32.8	31.9	17.0	19.6	18.9	8.9	10.0	9.5
White only	30.8	33.8	33.1	16.9	19.9	19.4	9.1	10.2	9.9
Black or African American only	30.8	30.1	28.1	20.1	20.3	18.3	8.3	9.7	7.8
Education <sup>5,6</sup>									
25 years of age and over:									
No high school diploma or GED	33.0	33.4	34.0	19.5	20.9	19.9	10.8	11.2	11.8
High school diploma or GED	32.9	34.4	34.2	18.6	20.4	20.3	10.2	11.2	10.4
Some college or more	31.1	34.4	33.2	16.9	20.0	19.3	8.8	10.1	9.5

See footnotes at end of table.

**Table 57 (page 2 of 4). Joint pain among adults 18 years of age and over, by selected characteristics: United States, 2002–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Any joint pain <sup>1</sup>			Knee pain <sup>1</sup>			Shoulder pain <sup>1</sup>		
	2002	2003	2004	2002	2003	2004	2002	2003	2004
Percent of poverty level <sup>2,7</sup>									
Below 100% . . . . .	31.7	33.7	35.7	19.9	21.5	22.7	11.2	11.8	11.3
100%–less than 200% . . . . .	31.7	33.9	33.9	19.0	20.9	20.9	10.4	11.1	12.0
200% or more . . . . .	28.7	30.8	31.8	15.6	18.0	18.3	8.0	9.1	9.3
Hispanic origin and race and percent of poverty level <sup>2,4,7</sup>									
Hispanic or Latino:									
Below 100% . . . . .	26.8	24.9	27.5	16.1	15.8	16.1	11.5	8.9	8.4
100%–less than 200% . . . . .	24.5	24.3	25.1	14.4	13.8	15.5	8.2	8.1	8.8
200% or more . . . . .	21.4	23.3	24.4	11.7	13.8	15.3	5.4	7.9	7.0
Not Hispanic or Latino:									
White only:									
Below 100% . . . . .	34.2	37.8	41.2	21.3	23.8	25.8	12.4	12.8	13.2
100%–less than 200% . . . . .	34.9	39.2	38.9	20.3	24.0	23.8	11.6	12.6	14.0
200% or more . . . . .	29.8	32.3	33.5	15.9	18.7	19.2	8.4	9.6	9.8
Black or African American only:									
Below 100% . . . . .	31.6	35.0	33.8	20.8	23.6	24.8	9.1	12.0	9.7
100%–less than 200% . . . . .	34.0	30.1	31.4	23.2	20.1	21.6	10.9	10.5	9.4
200% or more . . . . .	29.1	28.2	26.4	18.5	19.0	16.4	7.1	8.4	7.5
Geographic region <sup>2</sup>									
Northeast . . . . .	27.5	29.4	29.1	15.8	17.4	16.7	7.9	8.7	7.5
Midwest . . . . .	32.1	35.5	34.7	18.4	21.8	21.2	8.6	10.9	10.2
South . . . . .	29.3	30.9	30.1	16.7	18.7	18.0	9.1	9.9	9.5
West . . . . .	28.4	30.2	29.3	14.6	16.8	16.6	8.6	8.7	9.3
Location of residence <sup>2</sup>									
Within MSA <sup>8</sup> . . . . .	28.3	30.3	29.6	16.0	17.9	17.3	8.1	9.1	8.8
Outside MSA <sup>8</sup> . . . . .	33.9	36.8	35.9	18.7	22.4	22.1	10.8	11.8	11.0

See footnotes at end of table.

**Table 57 (page 3 of 4). Joint pain among adults 18 years of age and over, by selected characteristics: United States, 2002–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Finger pain <sup>1</sup>			Hip pain <sup>1</sup>		
	2002	2003	2004	2002	2003	2004
Percent of adults reporting joint pain in past 30 days						
Total, age-adjusted <sup>2,3</sup> . . . . .	7.5	7.8	7.6	6.6	7.2	7.5
Total, crude <sup>3</sup> . . . . .	7.5	7.8	7.7	6.6	7.3	7.6
Age						
18–44 years . . . . .	3.4	3.5	3.1	3.2	3.3	3.5
18–24 years . . . . .	2.0	1.5	1.5	1.6	1.7	*1.4
25–44 years . . . . .	3.9	4.1	3.7	3.8	3.8	4.2
45–64 years . . . . .	11.0	10.8	11.0	9.1	10.0	10.3
45–54 years . . . . .	9.1	8.8	8.9	7.8	8.3	8.8
55–64 years . . . . .	13.9	13.8	14.1	11.0	12.6	12.5
65 years and over . . . . .	13.9	15.9	15.4	12.9	14.5	15.1
65–74 years . . . . .	14.4	15.7	14.3	12.6	14.3	13.7
75 years and over . . . . .	13.3	16.0	16.7	13.3	14.7	16.8
Sex <sup>2</sup>						
Male . . . . .	5.8	5.6	6.0	5.1	5.3	5.5
Female . . . . .	8.9	9.6	8.9	8.0	8.9	9.2
Sex and age						
Male:						
18–44 years . . . . .	3.0	3.0	2.8	2.5	2.5	2.5
45–54 years . . . . .	6.6	6.1	7.2	5.6	5.8	5.9
55–64 years . . . . .	10.5	9.4	11.1	8.0	9.0	9.2
65–74 years . . . . .	11.2	11.0	10.2	10.5	10.4	11.1
75 years and over . . . . .	10.0	10.6	12.2	10.1	12.0	13.1
Female:						
18–44 years . . . . .	3.8	3.9	3.4	3.9	4.1	4.4
45–54 years . . . . .	11.5	11.3	10.6	9.9	10.6	11.6
55–64 years . . . . .	17.0	18.0	16.8	13.7	15.9	15.5
65–74 years . . . . .	17.1	19.7	17.7	14.2	17.6	15.9
75 years and over . . . . .	15.3	19.5	19.5	15.2	16.3	19.1
Race <sup>2,4</sup>						
White only . . . . .	7.6	8.1	8.0	6.9	7.5	7.8
Black or African American only . . . . .	6.5	5.5	5.1	5.6	5.7	6.1
American Indian or Alaska Native only . . . . .	*12.9	*11.4	*9.1	*10.4	*11.2	*7.9
Asian only . . . . .	*3.2	*5.1	*4.0	*2.3	*2.9	4.0
Native Hawaiian or Other Pacific Islander only . . . . .	*	*	*	*	*	*
2 or more races . . . . .	12.8	10.3	9.2	10.0	10.4	7.7
Hispanic origin and race <sup>2,4</sup>						
Hispanic or Latino . . . . .	6.8	5.8	6.5	3.8	4.5	4.3
Mexican . . . . .	7.8	5.8	6.5	4.0	4.1	3.9
Not Hispanic or Latino . . . . .	7.6	8.0	7.7	6.9	7.6	7.9
White only . . . . .	7.8	8.4	8.2	7.3	8.0	8.3
Black or African American only . . . . .	6.5	5.4	5.0	5.7	5.8	6.1
Education <sup>5,6</sup>						
25 years of age and over:						
No high school diploma or GED . . . . .	9.5	8.7	8.8	7.3	7.6	9.1
High school diploma or GED . . . . .	8.3	9.1	8.9	7.3	8.2	8.5
Some college or more . . . . .	8.2	8.8	8.1	7.5	8.1	8.2

See footnotes at end of table.

**Table 57 (page 4 of 4). Joint pain among adults 18 years of age and over, by selected characteristics: United States, 2002–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Finger pain <sup>1</sup>			Hip pain <sup>1</sup>		
	2002	2003	2004	2002	2003	2004
Percent of poverty level <sup>2,7</sup>						
Below 100% . . . . .	9.8	9.0	9.2	8.5	9.2	9.9
100%–less than 200% . . . . .	8.9	8.2	8.9	7.5	8.3	9.0
200% or more . . . . .	6.9	7.5	7.7	6.2	6.7	7.5
Hispanic origin and race and percent of poverty level <sup>2,4,7</sup>						
Hispanic or Latino:						
Below 100% . . . . .	8.6	6.6	8.2	5.9	4.9	4.7
100%–less than 200% . . . . .	8.2	5.5	6.6	3.9	5.0	4.4
200% or more . . . . .	5.5	5.6	7.4	2.5	*3.8	5.3
Not Hispanic or Latino:						
White only:						
Below 100% . . . . .	10.9	11.2	11.4	9.9	11.0	13.2
100%–less than 200% . . . . .	9.9	9.8	10.8	9.1	10.0	11.2
200% or more . . . . .	7.3	8.0	8.1	6.7	7.3	8.1
Black or African American only:						
Below 100% . . . . .	7.9	6.4	5.9	8.1	9.5	7.4
100%–less than 200% . . . . .	7.4	5.8	4.8	6.4	6.4	7.1
200% or more . . . . .	5.6	5.0	5.7	4.5	4.0	4.8
Geographic region <sup>2</sup>						
Northeast . . . . .	6.6	6.7	6.5	5.7	7.0	6.5
Midwest . . . . .	7.5	8.2	8.2	6.9	8.0	8.5
South . . . . .	7.6	8.0	7.8	7.0	7.1	7.9
West . . . . .	8.0	8.0	7.5	6.4	6.7	6.7
Location of residence <sup>2</sup>						
Within MSA <sup>8</sup> . . . . .	7.2	7.3	7.3	6.2	6.7	7.0
Outside MSA <sup>8</sup> . . . . .	8.4	9.5	8.6	8.0	9.0	9.4

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

<sup>1</sup>Starting with 2002 data, respondents were asked, “During the past 30 days, have you had any symptoms of pain, aching, or stiffness in or around a joint?”

Respondents were instructed not to include the back or neck. To facilitate their response, respondents were shown a card illustrating the body joints. Respondents reporting more than one type of joint pain were included in each response category. This table shows the most commonly reported joints.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Includes all other races not shown separately and unknown education level.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and not Hispanic origin. Persons of Hispanic origin may be of any race. The five single race categories plus multiple race categories shown in the table conform to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Estimates are for persons 25 years of age and over and are age adjusted to the year 2000 standard population using five age groups: 25–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>6</sup>GED stands for General Educational Development high school equivalency diploma. See Appendix II, Education.

<sup>7</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 34%–36% of persons 18 years of age and over in 2002–2004. See Appendix II, Family Income; Poverty.

<sup>8</sup>MSA is metropolitan statistical area.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, sample adult questionnaire.

**Table 58 (page 1 of 3). Limitation of activity caused by chronic conditions, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
All ages				
Percent of persons with any activity limitation <sup>1</sup>				
Total <sup>2,3</sup> . . . . .	13.3	12.3	12.1	11.9
Age				
Under 18 years . . . . .	6.6	7.1	6.9	7.0
Under 5 years . . . . .	3.5	3.2	3.6	3.5
5–17 years . . . . .	7.8	8.5	8.1	8.4
18–44 years . . . . .	7.0	6.2	6.0	6.0
18–24 years . . . . .	5.1	4.3	4.1	4.4
25–44 years . . . . .	7.6	6.8	6.6	6.5
45–54 years . . . . .	14.2	13.8	13.0	12.5
55–64 years . . . . .	22.2	21.1	21.1	19.9
65 years and over . . . . .	38.7	34.5	34.6	34.1
65–74 years . . . . .	30.0	25.2	26.3	25.5
75 years and over . . . . .	50.2	45.2	44.0	43.9
Sex <sup>3</sup>				
Male . . . . .	13.1	12.3	11.9	11.8
Female . . . . .	13.4	12.3	12.2	11.9
Race <sup>3,4</sup>				
White only . . . . .	13.1	12.1	11.8	11.6
Black or African American only . . . . .	17.1	14.9	15.3	15.3
American Indian or Alaska Native only . . . . .	23.1	19.5	21.2	17.1
Asian only . . . . .	7.5	6.4	6.4	6.4
Native Hawaiian or Other Pacific Islander only . . . . .	---	*	*	*
2 or more races . . . . .	---	22.0	20.2	18.8
Black or African American; White American Indian or Alaska Native; White . . . . .	---	*8.3	*16.8	*15.8
White . . . . .	---	30.0	24.8	21.5
Hispanic origin and race <sup>3,4</sup>				
Hispanic or Latino . . . . .	12.8	10.7	10.2	10.2
Mexican . . . . .	12.5	10.8	9.7	10.1
Not Hispanic or Latino . . . . .	13.5	12.6	12.4	12.3
White only . . . . .	13.2	12.4	12.2	12.1
Black or African American only . . . . .	17.0	15.0	15.4	15.3
Percent of poverty level <sup>3,5</sup>				
Below 100% . . . . .	25.4	22.9	23.1	23.0
100%–less than 200% . . . . .	17.9	17.4	17.0	16.3
200% or more . . . . .	10.1	9.5	9.2	9.2
Hispanic origin and race and percent of poverty level <sup>3,4,5</sup>				
Hispanic or Latino:				
Below 100% . . . . .	19.2	16.3	15.5	15.5
100%–less than 200% . . . . .	12.7	12.2	9.9	10.5
200% or more . . . . .	9.2	7.7	8.2	7.7
Not Hispanic or Latino:				
White only:				
Below 100% . . . . .	27.8	25.4	26.2	26.2
100%–less than 200% . . . . .	19.2	19.5	19.3	18.7
200% or more . . . . .	10.4	9.7	9.4	9.5
Black or African American only:				
Below 100% . . . . .	28.2	25.0	26.1	27.1
100%–less than 200% . . . . .	19.5	17.9	19.0	16.6
200% or more . . . . .	10.7	10.0	9.7	10.3
Geographic region <sup>3</sup>				
Northeast . . . . .	13.0	11.8	11.3	11.0
Midwest . . . . .	13.1	13.1	13.3	12.7
South . . . . .	13.9	12.6	12.4	12.3
West . . . . .	13.0	11.5	11.1	11.4
Location of residence <sup>3</sup>				
Within MSA <sup>6</sup> . . . . .	12.7	11.4	11.2	11.2
Outside MSA <sup>6</sup> . . . . .	15.5	15.9	15.7	14.9

See footnotes at end of table.



**Table 58 (page 2 of 3). Limitation of activity caused by chronic conditions, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>1997</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
<b>65 years of age and over</b>								
	Percent with ADL limitation <sup>7</sup>				Percent with IADL limitation <sup>7</sup>			
All adults 65 years of age and over <sup>2,8</sup> . . . . .	6.7	6.1	6.4	6.1	13.7	12.2	12.2	11.5
<b>Age</b>								
65–74 years . . . . .	3.4	2.7	3.1	2.9	6.9	6.0	6.5	5.5
75 years and over . . . . .	10.4	9.8	9.9	9.5	21.2	19.1	18.4	18.1
<b>Sex<sup>8</sup></b>								
Male. . . . .	5.2	4.7	5.2	4.8	9.1	7.8	8.6	8.4
Female. . . . .	7.7	7.0	7.2	6.9	16.9	15.2	14.6	13.6
<b>Race<sup>4,8</sup></b>								
White only. . . . .	6.3	5.6	5.9	5.8	13.1	11.5	11.5	11.0
Black or African American only . . . . .	11.7	10.0	10.5	8.7	21.3	18.5	19.2	17.0
American Indian or Alaska Native only . . . . .	*	*	*	*	*	*	*	*
Asian only. . . . .	*	*	*	*8.0	*9.1	*11.2	*11.8	12.3
Native Hawaiian or Other Pacific Islander only . . . . .	---	*	*	*	---	*	*	*
2 or more races. . . . .	---	*	*	*	---	*20.8	*20.4	*21.4
<b>Hispanic origin and race<sup>4,8</sup></b>								
Hispanic or Latino . . . . .	10.8	9.2	10.3	10.4	16.3	13.1	13.8	14.8
Mexican. . . . .	11.4	10.2	9.8	10.7	18.8	14.0	15.1	15.3
Not Hispanic or Latino . . . . .	6.5	5.9	6.1	5.8	13.6	12.2	12.1	11.3
White only . . . . .	6.1	5.5	5.7	5.5	13.0	11.5	11.4	10.7
Black or African American only. . . . .	11.7	10.1	10.4	8.7	21.2	18.7	19.0	17.1
<b>Percent of poverty level<sup>5,8</sup></b>								
Below 100% . . . . .	12.5	9.5	10.4	10.1	25.3	21.1	21.6	20.9
100%–less than 200% . . . . .	7.4	6.9	7.0	6.7	15.8	14.7	15.0	13.3
200% or more . . . . .	5.3	5.1	5.5	5.2	10.4	9.5	9.4	9.1
<b>Hispanic origin and race and percent of poverty level<sup>4,5,8</sup></b>								
<b>Hispanic or Latino:</b>								
Below 100% . . . . .	16.0	12.5	*15.2	15.9	25.5	17.3	20.1	24.0
100%–less than 200% . . . . .	11.1	10.0	*8.4	*10.3	15.5	15.6	12.3	14.4
200% or more . . . . .	*6.6	*6.7	*8.5	*6.6	10.2	8.7	*11.1	*8.9
<b>Not Hispanic or Latino:</b>								
<b>White only:</b>								
Below 100% . . . . .	11.8	8.2	8.9	8.2	24.9	20.4	20.7	19.2
100%–less than 200% . . . . .	6.6	6.3	6.4	6.2	15.2	14.2	14.8	12.7
200% or more. . . . .	5.0	4.8	5.1	4.9	10.3	9.2	9.0	8.8
<b>Black or African American only:</b>								
Below 100% . . . . .	13.5	13.8	14.0	13.9	27.8	26.6	28.3	26.0
100%–less than 200% . . . . .	12.4	*9.8	10.4	*7.4	22.4	19.3	18.9	17.7
200% or more. . . . .	9.8	8.1	8.4	*6.3	15.1	13.4	13.9	10.5

See footnotes at end of table.

**Table 58 (page 3 of 3). Limitation of activity caused by chronic conditions, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>1997</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
<b>Geographic region<sup>8</sup></b>	<b>Percent with ADL limitation<sup>7</sup></b>				<b>Percent with IADL limitation<sup>7</sup></b>			
Northeast . . . . .	6.1	6.3	6.6	5.6	12.2	11.0	11.4	9.9
Midwest . . . . .	5.8	5.2	4.7	5.4	13.1	11.7	11.3	11.9
South . . . . .	8.2	6.3	7.2	6.8	15.8	13.0	13.1	12.7
West . . . . .	5.9	6.5	6.5	6.1	12.4	12.7	12.1	11.0
<b>Location of residence<sup>8</sup></b>								
Within MSA <sup>6</sup> . . . . .	6.6	6.2	6.3	6.3	13.5	12.1	12.0	11.3
Outside MSA <sup>6</sup> . . . . .	7.2	5.6	6.7	5.3	14.4	12.6	12.8	12.4

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

--- Data not available.

<sup>1</sup>Limitation of activity is assessed by asking respondents a series of questions about limitations in their ability to perform activities usual for their age group because of a physical, mental, or emotional problem. The category limitation of activity includes limitations in personal care (ADL), routine needs (IADL), and other limitations due to a chronic condition. See Appendix II, Limitation of activity; Activities of daily living; Condition; Instrumental activities of daily living.

<sup>2</sup>Includes all other races not shown separately.

<sup>3</sup>Estimates for all persons are age adjusted to the year 2000 standard population using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 25% of persons in 1997 and 30%–35% in 1999–2004. See Appendix II, Family income; Poverty.

<sup>6</sup>MSA is metropolitan statistical area.

<sup>7</sup>These estimates are for noninstitutionalized older persons. ADL is activities of daily living and IADL is instrumental activities of daily living. Respondents were asked about needing the help of another person with personal care (ADL) and routine needs such as chores and shopping (IADL) because of a physical, mental, or emotional problem. See Appendix II, Activities of daily living; Condition; Instrumental activities of daily living.

<sup>8</sup>Estimates are age adjusted to the year 2000 standard population using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

NOTES: Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.

**Table 59 (page 1 of 2). Vision and hearing limitations among adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Any trouble seeing, even with glasses or contacts <sup>1</sup>					A lot of trouble hearing or deaf <sup>2</sup>				
	1997	2000	2002	2003	2004	1997	2000	2002	2003	2004
	Percent of adults									
Total, age-adjusted <sup>3,4</sup>	10.0	9.0	9.3	8.8	8.8	3.2	3.2	3.2	3.1	3.1
Total, crude <sup>4</sup>	9.8	8.9	9.3	8.7	8.9	3.1	3.1	3.1	3.0	3.1
Age										
18–44 years	6.2	5.3	5.6	5.2	5.1	1.0	0.9	0.9	0.9	0.8
18–24 years	5.4	4.2	4.4	5.1	4.3	*0.5	*0.7	*	*	*0.4
25–44 years	6.5	5.7	6.0	5.2	5.4	1.2	1.0	1.1	1.0	1.0
45–64 years	12.0	10.7	11.0	10.6	10.9	3.1	3.0	2.8	2.8	2.8
45–54 years	12.2	10.9	11.5	10.5	11.2	2.6	2.3	1.9	1.9	2.0
55–64 years	11.6	10.5	10.3	10.7	10.5	3.9	4.0	4.2	4.1	4.0
65 years and over	18.1	17.4	17.6	16.6	16.8	9.8	10.5	11.1	10.5	10.8
65–74 years	14.2	13.6	14.5	13.1	14.1	6.6	7.4	7.2	6.7	7.3
75 years and over	23.1	21.9	21.1	20.6	19.9	14.1	14.3	15.6	14.9	14.8
Sex <sup>3</sup>										
Male	8.8	7.9	8.1	7.3	7.6	4.2	4.3	4.2	4.0	4.1
Female	11.1	10.1	10.4	10.1	10.0	2.4	2.3	2.4	2.3	2.4
Sex and age										
Male:										
18–44 years	5.3	4.4	4.8	4.1	4.4	1.2	1.1	1.0	1.1	0.8
45–54 years	10.1	8.8	10.1	8.6	9.2	3.6	2.9	2.2	2.7	2.7
55–64 years	10.5	9.5	8.7	8.6	9.1	5.4	6.2	5.8	5.4	5.9
65–74 years	13.2	12.8	13.3	11.8	12.0	9.4	10.8	10.8	10.2	10.7
75 years and over	21.4	20.7	18.6	18.1	17.7	17.7	18.0	19.7	17.8	18.9
Female:										
18–44 years	7.1	6.2	6.5	6.2	5.8	0.9	0.8	0.7	0.7	0.9
45–54 years	14.2	12.8	12.9	12.3	13.1	1.7	1.8	1.5	1.2	1.3
55–64 years	12.6	11.5	11.9	12.5	11.7	2.6	1.9	2.7	2.8	2.3
65–74 years	15.0	14.4	15.5	14.1	15.9	4.4	4.5	4.1	3.8	4.5
75 years and over	24.2	22.7	22.6	22.3	21.4	11.7	12.1	13.0	12.9	12.2
Race <sup>3,5</sup>										
White only	9.7	8.8	9.0	8.5	8.8	3.4	3.4	3.3	3.3	3.4
Black or African American only	12.8	10.6	11.7	10.8	10.3	2.0	1.6	1.6	1.7	1.5
American Indian or Alaska Native only	19.2	16.6	*11.1	18.9	14.8	14.1	*	*10.1	*	*
Asian only	6.2	6.3	7.2	6.1	5.1	*	*2.4	*2.3	*	*
Native Hawaiian or Other Pacific Islander only	---	*	*	*	*	---	*	*	*	*
2 or more races	---	16.2	14.9	11.6	11.0	---	*5.7	*6.3	*	*
Hispanic origin and race <sup>3,5</sup>										
Hispanic or Latino	10.0	9.7	9.0	9.1	8.8	1.5	2.3	2.0	2.0	1.8
Mexican	10.2	8.3	8.6	9.0	9.0	1.8	3.0	3.0	2.6	1.8
Not Hispanic or Latino	10.0	9.1	9.4	8.8	8.9	3.3	3.3	3.3	3.2	3.2
White only	9.8	8.9	9.1	8.6	8.9	3.5	3.5	3.5	3.4	3.5
Black or African American only	12.8	10.6	11.8	10.7	10.3	2.0	1.6	1.6	1.8	1.5
Education <sup>6,7</sup>										
25 years of age and over:										
No high school diploma or GED	15.0	12.2	14.4	12.6	13.8	4.8	4.6	4.6	4.9	4.8
High school diploma or GED	10.6	9.5	10.3	9.3	10.3	3.7	3.9	3.9	3.5	3.7
Some college or more	8.9	8.9	8.7	8.1	7.9	2.9	2.8	3.3	2.8	3.0

See footnotes at end of table.

**Table 59 (page 2 of 2). Vision and hearing limitations among adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Any trouble seeing, even with glasses or contacts <sup>1</sup>					A lot of trouble hearing or deaf <sup>2</sup>				
	1997	2000	2002	2003	2004	1997	2000	2002	2003	2004
Percent of poverty level <sup>3,8</sup>						Percent of adults				
Below 100%	17.0	12.9	14.5	13.7	14.2	4.5	3.7	4.4	3.9	3.9
100%–less than 200%	12.9	11.6	12.0	11.6	12.0	3.6	4.2	3.6	3.6	3.6
200% or more	8.2	7.8	8.0	7.3	7.4	3.0	2.8	3.0	2.8	2.9
Hispanic origin and race and percent of poverty level <sup>3,5,8</sup>										
Hispanic or Latino:										
Below 100%	12.8	11.0	12.9	12.4	11.2	*1.9	3.3	*2.3	*3.4	*3.0
100%–less than 200%	11.2	9.4	9.4	10.3	10.8	*1.5	*2.3	*1.7	*1.6	*1.2
200% or more	7.8	9.7	7.2	6.7	6.3	*1.2	*1.7	*1.9	*1.4	*1.5
Not Hispanic or Latino:										
White only:										
Below 100%	17.9	13.1	14.7	14.3	15.8	5.8	4.5	5.2	4.7	4.9
100%–less than 200%	13.1	12.0	12.7	11.8	13.1	4.3	5.0	4.5	4.2	4.5
200% or more	8.2	7.8	7.9	7.3	7.5	3.2	3.0	3.1	3.1	3.1
Black or African American only:										
Below 100%	17.9	13.6	16.6	14.2	15.2	3.3	*1.6	*2.3	*2.1	*2.3
100%–less than 200%	16.0	12.9	14.6	13.0	10.6	*2.0	*2.0	*	*2.3	*
200% or more	8.5	8.1	9.1	8.5	8.4	*	*	*1.6	*	*1.3
Geographic region <sup>3</sup>										
Northeast	8.6	7.4	7.8	7.5	7.0	2.2	2.4	2.7	2.9	2.6
Midwest	9.5	9.6	9.3	9.3	10.0	3.5	3.5	3.1	3.3	3.5
South	11.4	9.2	9.9	9.4	9.2	3.5	3.3	3.3	3.0	3.2
West	9.7	9.9	9.7	8.1	8.6	3.4	3.5	3.8	3.2	3.0
Location of residence <sup>3</sup>										
Within MSA <sup>9</sup>	9.5	8.5	8.7	8.2	8.4	2.9	3.0	3.0	2.7	2.8
Outside MSA <sup>9</sup>	12.0	11.1	11.5	10.7	10.6	4.5	3.9	3.8	4.4	4.2

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

--- Data not available.

<sup>1</sup> Respondents were asked, "Do you have any trouble seeing, even when wearing glasses or contact lenses?" In 2004, 0.3% of adults 18 years of age and over identified themselves as blind.

<sup>2</sup> Respondents were asked, "Which statement best describes your hearing without a hearing aid: good, a little trouble, a lot of trouble, or deaf?" In this analysis, a lot of trouble and deaf are combined into one category. In 2004, 0.2% of adults 18 years of age and over identified themselves as deaf.

<sup>3</sup> Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>4</sup> Includes all other races not shown separately and unknown education level.

<sup>5</sup> The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>6</sup> Estimates are for persons 25 years of age and over and are age adjusted to the year 2000 standard population using five age groups: 25–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>7</sup> GED stands for General Educational Development high school equivalency diploma. See Appendix II, Education.

<sup>8</sup> Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 27%–31% of persons 18 years of age and over in 1997–1998 and 33%–36% in 1999–2004. See Appendix II, Family Income; Poverty.

<sup>9</sup> MSA is metropolitan statistical area.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, sample adult questionnaire.

**Table 60 (page 1 of 2). Respondent-assessed health status, by selected characteristics: United States, selected years 1991–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1991<sup>1</sup></i>	<i>1995<sup>1</sup></i>	<i>1997</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
	Percent of persons with fair or poor health <sup>2</sup>							
Total <sup>3,4</sup> . . . . .	10.4	10.6	9.2	9.0	9.2	9.3	9.2	9.3
Age								
Under 18 years . . . . .	2.6	2.6	2.1	1.7	1.8	1.9	1.8	1.8
Under 6 years . . . . .	2.7	2.7	1.9	1.5	1.6	1.6	1.4	1.5
6–17 years . . . . .	2.6	2.5	2.1	1.8	1.9	2.1	2.0	2.0
18–44 years . . . . .	6.1	6.6	5.3	5.1	5.4	5.5	5.6	5.7
18–24 years . . . . .	4.8	4.5	3.4	3.3	3.3	3.6	3.8	3.6
25–44 years . . . . .	6.4	7.2	5.9	5.7	6.0	6.2	6.3	6.4
45–54 years . . . . .	13.4	13.4	11.7	11.9	11.8	12.7	12.1	12.3
55–64 years . . . . .	20.7	21.4	18.2	17.9	19.1	17.9	18.9	17.9
65 years and over . . . . .	29.0	28.3	26.7	26.9	26.5	26.3	25.5	26.7
65–74 years . . . . .	26.0	25.6	23.1	22.5	22.9	22.0	22.3	22.4
75 years and over . . . . .	33.6	32.2	31.5	32.1	30.7	31.3	29.2	31.5
Sex <sup>3</sup>								
Male . . . . .	10.0	10.1	8.8	8.8	9.0	8.9	8.8	9.0
Female . . . . .	10.8	11.1	9.7	9.3	9.5	9.6	9.5	9.6
Race <sup>3,5</sup>								
White only . . . . .	9.6	9.7	8.3	8.2	8.2	8.5	8.5	8.6
Black or African American only . . . . .	16.8	17.2	15.8	14.6	15.4	14.1	14.7	14.6
American Indian or Alaska Native only . . . . .	18.3	18.7	17.3	17.2	14.5	13.2	16.3	16.5
Asian only . . . . .	7.8	9.3	7.8	7.4	8.1	6.7	7.4	8.6
Native Hawaiian or Other Pacific Islander only . . . . .	---	---	---	*	*	*	*	*
2 or more races . . . . .	---	---	---	16.2	13.9	12.5	14.7	12.6
Black or African American; White American Indian or Alaska Native; White . . . . .	---	---	---	*14.5	*10.1	13.8	21.4	*10.7
Hispanic origin and race <sup>3,5</sup>								
Hispanic or Latino . . . . .	15.6	15.1	13.0	12.8	12.6	13.1	13.9	13.3
Mexican . . . . .	17.0	16.7	13.1	12.8	12.4	13.3	13.7	13.4
Not Hispanic or Latino . . . . .	10.0	10.1	8.9	8.7	8.9	8.9	8.7	8.9
White only . . . . .	9.1	9.1	8.0	7.9	7.9	8.2	7.9	8.0
Black or African American only . . . . .	16.8	17.3	15.8	14.6	15.5	14.0	14.6	14.6
Percent of poverty level <sup>3,6</sup>								
Below 100% . . . . .	22.8	23.7	20.8	19.6	20.2	20.3	20.4	21.3
100%–less than 200% . . . . .	14.7	15.5	13.9	14.1	14.5	14.6	14.4	14.4
200% or more . . . . .	6.8	6.7	6.1	6.3	6.4	6.4	6.1	6.3
Hispanic origin and race and percent of poverty level <sup>3,5,6</sup>								
Hispanic or Latino:								
Below 100% . . . . .	23.6	22.7	19.9	18.7	18.6	20.8	20.6	20.2
100%–less than 200% . . . . .	18.0	16.9	13.5	15.3	14.7	15.4	15.5	15.2
200% or more . . . . .	9.3	8.7	8.5	8.4	8.7	8.7	9.8	8.8
Not Hispanic or Latino:								
White only:								
Below 100% . . . . .	21.9	22.8	19.7	18.8	19.1	19.1	19.5	20.8
100%–less than 200% . . . . .	14.0	14.8	13.3	13.4	13.6	14.3	13.9	13.8
200% or more . . . . .	6.4	6.2	5.6	5.8	5.9	6.0	5.6	5.7
Black or African American only:								
Below 100% . . . . .	25.8	27.7	25.3	23.8	24.9	24.5	24.4	25.7
100%–less than 200% . . . . .	17.0	19.3	19.2	18.2	19.6	17.4	18.6	16.7
200% or more . . . . .	10.9	9.9	9.7	9.7	9.9	8.8	9.1	9.6

See footnotes at end of table.

**Table 60 (page 2 of 2). Respondent-assessed health status, by selected characteristics: United States, selected years 1991–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1991<sup>1</sup></i>	<i>1995<sup>1</sup></i>	<i>1997</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
<b>Geographic region<sup>3</sup></b>			<b>Percent of persons with fair or poor health<sup>2</sup></b>					
Northeast . . . . .	8.3	9.1	8.0	7.6	7.4	8.1	8.2	7.6
Midwest . . . . .	9.1	9.7	8.1	8.0	8.8	8.3	8.3	8.2
South . . . . .	13.1	12.3	10.8	10.7	10.8	10.9	10.7	11.2
West . . . . .	9.7	10.1	8.8	8.8	8.5	8.7	8.4	8.9
<b>Location of residence<sup>3</sup></b>								
Within MSA <sup>7</sup> . . . . .	9.9	10.1	8.7	8.5	8.7	8.7	8.6	8.8
Outside MSA <sup>7</sup> . . . . .	11.9	12.6	11.1	11.1	11.0	11.7	11.5	11.5

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

--- Data not available.

<sup>1</sup>Data prior to 1997 are not strictly comparable with data for later years due to the 1997 questionnaire redesign. See Appendix I, National Health Interview Survey.

<sup>2</sup>See Appendix II, Health status, respondent-assessed.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Includes all other races not shown separately.

<sup>5</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>6</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 16%–18% of persons in 1991 and 1995, 25%–29% of persons in 1997–1998, and 32%–35% in 1999–2004. See Appendix II, Family income; Poverty.

<sup>7</sup>MSA is metropolitan statistical area.

NOTES: Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.



**Table 61 (page 1 of 2). Serious psychological distress among adults 18 years of age and over, by selected characteristics: United States, average annual 1997–1998, 2000–2001, and 2003–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997–1998</i>	<i>2000–2001</i>	<i>2003–2004</i>
Percent of persons with serious psychological distress <sup>1</sup>			
Total, age adjusted <sup>2,3</sup> . . . . .	3.2	3.2	3.1
Total, crude <sup>3</sup> . . . . .	3.2	3.2	3.1
Age			
18–44 years . . . . .	2.9	3.1	2.9
18–24 years . . . . .	2.7	2.7	2.8
25–44 years . . . . .	3.0	3.2	2.9
45–64 years . . . . .	3.7	3.7	3.9
45–54 years . . . . .	3.9	3.7	3.9
55–64 years . . . . .	3.4	3.8	3.9
65 years and over . . . . .	3.1	2.7	2.4
65–74 years . . . . .	2.5	2.8	2.3
75 years and over . . . . .	3.8	2.5	2.5
Sex <sup>2</sup>			
Male . . . . .	2.5	2.4	2.3
Female . . . . .	3.8	3.9	3.9
Race <sup>2,4</sup>			
White only . . . . .	3.1	3.1	3.1
Black or African American only . . . . .	4.0	3.5	3.4
American Indian or Alaska Native only . . . . .	7.8	*9.3	*5.5
Asian only . . . . .	2.0	*	*1.8
Native Hawaiian or Other Pacific Islander only . . . . .	---	*	*
2 or more races . . . . .	---	5.2	9.1
Hispanic origin and race <sup>2,4</sup>			
Hispanic or Latino . . . . .	5.0	4.2	3.9
Mexican . . . . .	5.2	4.0	3.6
Not Hispanic or Latino . . . . .	3.0	3.1	3.1
White only . . . . .	2.9	3.1	3.0
Black or African American only . . . . .	3.9	3.5	3.2
Percent of poverty level <sup>2,5</sup>			
Below 100% . . . . .	9.1	8.3	8.8
100%–less than 200% . . . . .	5.0	5.3	5.4
200% or more . . . . .	1.8	2.0	1.7
Hispanic origin and race and percent of poverty level <sup>2,4,5</sup>			
Hispanic or Latino:			
Below 100% . . . . .	8.6	7.2	7.4
100%–less than 200% . . . . .	5.4	4.4	3.8
200% or more . . . . .	2.9	2.8	2.4
Not Hispanic or Latino:			
White only:			
Below 100% . . . . .	9.6	9.4	10.1
100%–less than 200% . . . . .	5.2	6.1	6.4
200% or more . . . . .	1.8	2.0	1.7
Black or African American only:			
Below 100% . . . . .	8.7	7.3	7.3
100%–less than 200% . . . . .	4.3	4.9	*4.0
200% or more . . . . .	1.6	*1.6	*1.3

See footnotes at end of table.

**Table 61 (page 2 of 2). Serious psychological distress among adults 18 years of age and over, by selected characteristics: United States, average annual 1997–1998, 2000–2001, and 2003–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1997–1998</i>	<i>2000–2001</i>	<i>2003–2004</i>
Percent of persons with serious psychological distress <sup>1</sup>			
Northeast . . . . .	2.7	3.1	2.9
Midwest . . . . .	2.6	3.0	2.7
South . . . . .	3.8	3.4	3.5
West . . . . .	3.3	3.2	3.0
Location of residence <sup>2</sup>			
Within MSA <sup>6</sup> . . . . .	3.0	3.1	2.9
Outside MSA <sup>6</sup> . . . . .	3.9	3.5	3.8

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

--- Data not available.

<sup>1</sup>Serious psychological distress is measured by a six-question scale that asks respondents how often they experience each of six symptoms of psychological distress. See Appendix II, Serious psychological distress.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Includes all other races not shown separately.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 27%–31% of persons 18 years of age and over in 1997–1998 and 33%–36% in 1999–2004. See Appendix II, Family Income; Poverty.

<sup>6</sup>MSA is metropolitan statistical area.

NOTES: Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.

**Table 63 (page 1 of 2). Current cigarette smoking among adults 18 years of age and over, by sex, race, and age: United States, selected years 1965–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Sex, race, and age</i>	1965 <sup>1</sup>	1974 <sup>1</sup>	1979 <sup>1</sup>	1985 <sup>1</sup>	1990 <sup>1</sup>	1995 <sup>1</sup>	1999	2000	2001	2002	2003	2004
18 years and over, age adjusted <sup>2</sup>												
Percent of persons who are current cigarette smokers <sup>3</sup>												
All persons . . . . .	41.9	37.0	33.3	29.9	25.3	24.6	23.3	23.1	22.6	22.3	21.5	20.8
Male . . . . .	51.2	42.8	37.0	32.2	28.0	26.5	25.2	25.2	24.6	24.6	23.7	23.0
Female . . . . .	33.7	32.2	30.1	27.9	22.9	22.7	21.6	21.1	20.7	20.0	19.4	18.7
White male <sup>4</sup> . . . . .	50.4	41.7	36.4	31.3	27.6	26.2	25.0	25.4	24.8	24.9	23.8	23.0
Black or African American male <sup>4</sup> . . . . .	58.8	53.6	43.9	40.2	32.8	29.4	28.4	25.7	27.5	26.6	25.3	23.5
White female <sup>4</sup> . . . . .	33.9	32.0	30.3	27.9	23.5	23.4	22.5	22.0	22.0	21.0	20.1	19.5
Black or African American female <sup>4</sup> . . . . .	31.8	35.6	30.5	30.9	20.8	23.5	20.5	20.7	18.0	18.3	17.9	16.9
18 years and over, crude												
All persons . . . . .	42.4	37.1	33.5	30.1	25.5	24.7	23.5	23.2	22.7	22.4	21.6	20.9
Male . . . . .	51.9	43.1	37.5	32.6	28.4	27.0	25.7	25.6	25.1	25.1	24.1	23.4
Female . . . . .	33.9	32.1	29.9	27.9	22.8	22.6	21.5	20.9	20.6	19.8	19.2	18.5
White male <sup>4</sup> . . . . .	51.1	41.9	36.8	31.7	28.0	26.6	25.3	25.7	25.0	25.0	24.0	23.2
Black or African American male <sup>4</sup> . . . . .	60.4	54.3	44.1	39.9	32.5	28.5	28.6	26.2	27.6	27.0	25.7	23.9
White female <sup>4</sup> . . . . .	34.0	31.7	30.1	27.7	23.4	23.1	22.1	21.4	21.5	20.6	19.7	19.1
Black or African American female <sup>4</sup> . . . . .	33.7	36.4	31.1	31.0	21.2	23.5	20.6	20.8	18.1	18.5	18.1	17.3
All males												
18–24 years . . . . .	54.1	42.1	35.0	28.0	26.6	27.8	29.5	28.1	30.2	32.1	26.3	25.6
25–34 years . . . . .	60.7	50.5	43.9	38.2	31.6	29.5	29.1	28.9	26.9	27.2	28.7	26.1
35–44 years . . . . .	58.2	51.0	41.8	37.6	34.5	31.5	30.0	30.2	27.3	29.7	28.1	26.5
45–64 years . . . . .	51.9	42.6	39.3	33.4	29.3	27.1	25.8	26.4	26.4	24.5	23.9	25.0
65 years and over . . . . .	28.5	24.8	20.9	19.6	14.6	14.9	10.5	10.2	11.5	10.1	10.1	9.8
White male <sup>4</sup>												
18–24 years . . . . .	53.0	40.8	34.3	28.4	27.4	28.4	30.5	30.4	32.3	34.3	27.7	26.7
25–34 years . . . . .	60.1	49.5	43.6	37.3	31.6	29.9	30.8	29.7	28.7	27.7	28.8	26.3
35–44 years . . . . .	57.3	50.1	41.3	36.6	33.5	31.2	29.5	30.6	27.8	29.7	28.8	26.6
45–64 years . . . . .	51.3	41.2	38.3	32.1	28.7	26.3	24.5	25.8	25.1	24.4	23.3	24.4
65 years and over . . . . .	27.7	24.3	20.5	18.9	13.7	14.1	10.0	9.8	10.7	9.3	9.6	9.4
Black or African American male <sup>4</sup>												
18–24 years . . . . .	62.8	54.9	40.2	27.2	21.3	*14.6	23.6	20.9	21.6	22.7	18.6	18.0
25–34 years . . . . .	68.4	58.5	47.5	45.6	33.8	25.1	22.7	23.2	23.8	28.9	31.0	21.2
35–44 years . . . . .	67.3	61.5	48.6	45.0	42.0	36.3	34.8	30.7	29.9	28.3	23.6	28.4
45–64 years . . . . .	57.9	57.8	50.0	46.1	36.7	33.9	35.7	32.2	34.3	29.8	30.1	29.2
65 years and over . . . . .	36.4	29.7	26.2	27.7	21.5	28.5	17.3	14.2	21.1	19.4	18.0	14.1
All females												
18–24 years . . . . .	38.1	34.1	33.8	30.4	22.5	21.8	26.3	24.9	23.2	24.5	21.5	21.5
25–34 years . . . . .	43.7	38.8	33.7	32.0	28.2	26.4	23.5	22.3	22.7	21.3	21.3	21.0
35–44 years . . . . .	43.7	39.8	37.0	31.5	24.8	27.1	26.5	26.2	25.7	23.7	24.2	21.6
45–64 years . . . . .	32.0	33.4	30.7	29.9	24.8	24.0	21.0	21.7	21.4	21.1	20.2	19.8
65 years and over . . . . .	9.6	12.0	13.2	13.5	11.5	11.5	10.7	9.3	9.1	8.6	8.3	8.1
White female <sup>4</sup>												
18–24 years . . . . .	38.4	34.0	34.5	31.8	25.4	24.9	29.6	28.5	27.1	26.7	23.6	22.9
25–34 years . . . . .	43.4	38.6	34.1	32.0	28.5	27.3	25.5	24.9	25.2	23.8	22.5	22.6
35–44 years . . . . .	43.9	39.3	37.2	31.0	25.0	27.0	26.9	26.6	26.9	24.4	25.2	22.7
45–64 years . . . . .	32.7	33.0	30.6	29.7	25.4	24.3	21.2	21.4	21.6	21.5	20.1	20.1
65 years and over . . . . .	9.8	12.3	13.8	13.3	11.5	11.7	10.5	9.1	9.4	8.5	8.4	8.2
Black or African American female <sup>4</sup>												
18–24 years . . . . .	37.1	35.6	31.8	23.7	10.0	*8.8	14.8	14.2	10.0	17.1	10.8	15.6
25–34 years . . . . .	47.8	42.2	35.2	36.2	29.1	26.7	18.2	15.5	16.8	13.9	17.0	18.3
35–44 years . . . . .	42.8	46.4	37.7	40.2	25.5	31.9	28.8	30.2	24.0	24.0	23.2	18.9
45–64 years . . . . .	25.7	38.9	34.2	33.4	22.6	27.5	22.3	25.6	22.6	22.2	23.3	20.9
65 years and over . . . . .	7.1	*8.9	*8.5	14.5	11.1	13.3	13.5	10.2	9.3	9.4	8.0	6.7

See footnotes at end of table.

**Table 63 (page 2 of 2). Current cigarette smoking among adults 18 years of age and over, by sex, race, and age: United States, selected years 1965–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20%–30%.

<sup>1</sup>Data prior to 1997 are not strictly comparable with data for later years due to the 1997 questionnaire redesign. See Appendix I, National Health Interview Survey.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–24 years, 25–34 years, 35–44 years, 45–64 years, 65 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>3</sup>Starting with 1993 data, current cigarette smokers were defined as ever smoking 100 cigarettes in their lifetime and smoking now on every day or some days. See Appendix II, Cigarette smoking.

<sup>4</sup>The race groups, white and black, include persons of Hispanic and non-Hispanic origin. Starting with 1999 data, race-specific estimates are tabulated according to 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The single race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to 1999, data were tabulated according to the 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race. For additional data on cigarette smoking by racial groups, see Table 65.

NOTES: Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). For more data on cigarette smoking see the Early Release reports on the National Health Interview Survey home page: [www.cdc.gov/nchs/nhis.htm](http://www.cdc.gov/nchs/nhis.htm). Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the core questionnaire (1965) and the following questionnaire supplements: hypertension (1974), smoking (1979), alcohol and health practices (1983), health promotion and disease prevention (1985, 1990–1991), cancer control and cancer epidemiology (1992), and year 2000 objectives (1993–1995). Starting with 1997, data are from the family core and sample adult questionnaires.

**Table 65 (page 1 of 2). Current cigarette smoking among adults, by sex, race, Hispanic origin, age, and education: United States, average annual 1990–1992, 1995–1998, and 2002–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Male			Female		
	1990–1992 <sup>1</sup>	1995–1998 <sup>1</sup>	2002–2004	1990–1992 <sup>1</sup>	1995–1998 <sup>1</sup>	2002–2004
18 years of age and over, age adjusted <sup>2</sup>	Percent of persons who are current cigarette smokers <sup>3</sup>					
All persons <sup>4</sup> . . . . .	27.9	26.5	23.8	23.7	22.1	19.4
Race <sup>5</sup>						
White only . . . . .	27.4	26.4	23.8	24.3	22.9	20.2
Black or African American only . . . . .	33.9	30.7	25.1	23.1	21.8	17.7
American Indian or Alaska Native only . . . . .	34.2	40.5	34.3	36.7	28.9	28.7
Asian only . . . . .	24.8	18.1	17.0	6.3	11.0	6.0
Native Hawaiian or Other Pacific Islander only . . . . .	---	---	*	---	---	*
2 or more races . . . . .	---	---	33.1	---	---	29.2
American Indian or Alaska Native; White . . . . .	---	---	44.5	---	---	35.5
Hispanic origin and race <sup>5</sup>						
Hispanic or Latino . . . . .	25.7	24.4	20.1	15.8	13.7	10.6
Mexican . . . . .	26.2	24.5	19.8	14.8	12.0	9.5
Not Hispanic or Latino . . . . .	28.1	26.9	24.5	24.4	23.1	20.7
White only . . . . .	27.7	26.9	24.8	25.2	24.1	21.9
Black or African American only . . . . .	33.9	30.7	25.1	23.2	21.9	17.8
18 years of age and over, crude						
All persons <sup>4</sup> . . . . .	28.4	27.0	24.2	23.6	22.0	19.2
Race <sup>5</sup>						
White only . . . . .	27.8	26.8	24.1	24.1	22.6	19.8
Black or African American only . . . . .	33.2	30.6	25.5	23.3	21.8	18.0
American Indian or Alaska Native only . . . . .	35.5	39.2	36.5	37.3	31.2	30.9
Asian only . . . . .	24.9	20.0	18.1	6.3	11.2	6.0
Native Hawaiian or Other Pacific Islander only . . . . .	---	---	*	---	---	*
2 or more races . . . . .	---	---	35.0	---	---	29.9
American Indian or Alaska Native; White . . . . .	---	---	45.0	---	---	35.4
Hispanic origin and race <sup>5</sup>						
Hispanic or Latino . . . . .	26.5	25.5	21.2	16.6	13.8	10.7
Mexican . . . . .	27.1	25.2	21.0	15.0	11.6	9.3
Not Hispanic or Latino . . . . .	28.5	27.2	24.7	24.2	22.9	20.3
White only . . . . .	28.0	27.0	24.6	24.8	23.5	21.1
Black or African American only . . . . .	33.3	30.6	25.5	23.3	21.9	18.1
18–24 years:						
Hispanic or Latino . . . . .	19.3	26.5	21.3	12.8	12.0	9.7
Not Hispanic or Latino:						
White only . . . . .	28.9	35.5	31.8	28.7	31.6	27.5
Black or African American only . . . . .	17.7	21.3	19.3	10.8	9.8	14.7
25–34 years:						
Hispanic or Latino . . . . .	29.9	25.9	20.8	19.2	12.6	9.4
Not Hispanic or Latino:						
White only . . . . .	32.7	30.5	29.7	30.9	28.5	26.3
Black or African American only . . . . .	34.6	28.5	26.5	29.2	22.0	16.2
35–44 years:						
Hispanic or Latino . . . . .	32.1	26.2	24.7	19.9	17.6	12.5
Not Hispanic or Latino:						
White only . . . . .	32.3	31.5	29.1	27.3	28.1	26.2
Black or African American only . . . . .	44.1	34.7	26.7	31.3	30.3	22.2
45–64 years:						
Hispanic or Latino . . . . .	26.6	26.8	21.3	17.1	14.7	13.2
Not Hispanic or Latino:						
White only . . . . .	28.4	26.8	24.3	26.1	22.3	21.3
Black or African American only . . . . .	38.0	38.8	30.1	26.1	26.9	22.3
65 years and over:						
Hispanic or Latino . . . . .	16.1	14.7	10.2	6.6	9.4	5.4
Not Hispanic or Latino:						
White only . . . . .	14.2	10.6	9.4	12.3	11.6	8.5
Black or African American only . . . . .	25.2	20.9	17.2	10.7	11.2	8.1

See footnotes at end of table.

**Table 65 (page 2 of 2). Current cigarette smoking among adults, by sex, race, Hispanic origin, age, and education: United States, average annual 1990–1992, 1995–1998, and 2002–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Male			Female		
	1990–1992 <sup>1</sup>	1995–1998 <sup>1</sup>	2002–2004	1990–1992 <sup>1</sup>	1995–1998 <sup>1</sup>	2002–2004
Education, Hispanic origin, and race <sup>5,6</sup>	Percent of persons who are current cigarette smokers <sup>3</sup>					
25 years of age and over, age adjusted <sup>7</sup>						
No high school diploma or GED:						
Hispanic or Latino . . . . .	30.2	27.6	22.7	15.8	13.3	9.5
Not Hispanic or Latino:						
White only . . . . .	46.1	43.9	44.0	40.4	40.7	41.3
Black or African American only . . . . .	45.4	44.6	37.9	31.3	30.0	28.0
High school diploma or GED:						
Hispanic or Latino . . . . .	29.6	26.7	19.4	18.4	16.4	12.6
Not Hispanic or Latino:						
White only . . . . .	32.9	32.8	31.5	28.4	28.8	28.4
Black or African American only . . . . .	38.2	35.7	29.3	25.4	26.6	21.4
Some college or more:						
Hispanic or Latino . . . . .	20.4	16.6	15.6	14.3	13.5	10.9
Not Hispanic or Latino:						
White only . . . . .	19.3	18.3	16.9	18.1	17.2	15.6
Black or African American only . . . . .	25.6	23.3	18.5	22.8	18.9	14.1

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

--- Data not available.

<sup>1</sup>Data prior to 1997 are not strictly comparable with data for later years due to the 1997 questionnaire redesign. See Appendix I, National Health Interview Survey. Cigarette smoking data were not collected in 1996.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–24 years, 25–34 years, 35–44 years, 45–64 years, and 65 years and over. See Appendix II, Age adjustment. For age groups where smoking is 0% or 100%, the age-adjustment procedure was modified to substitute the percentage smoking from the previous 3-year period.

<sup>3</sup>Starting with 1993 data, current cigarette smokers were defined as ever smoking 100 cigarettes in their lifetime and smoking now on every day or some days. See Appendix II, Cigarette smoking.

<sup>4</sup>Includes all other races not shown separately and unknown education level.

<sup>5</sup>The race groups, white, black, American Indian or Alaska Native (AI/AN), Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. The 2002–2004 race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>6</sup>Education categories shown are for 1997 and subsequent years. GED stands for General Educational Development high school equivalency diploma. In years prior to 1997, the following categories based on number of years of school completed were used: less than 12 years, 12 years, 13 years or more. See Appendix II, Education.

<sup>7</sup>Estimates are age adjusted to the year 2000 standard using four age groups: 25–34 years, 35–44 years, 45–64 years, and 65 years and over. See Appendix II, Age adjustment.

NOTES: Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). For more data on cigarette smoking see the Early Release reports on the National Health Interview Survey home page available from: [www.cdc.gov/nchs/nhis.htm](http://www.cdc.gov/nchs/nhis.htm). Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the following questionnaire supplements: health promotion and disease prevention (1990–1991), cancer control and cancer epidemiology (1992), and year 2000 objectives (1993–1995). Starting with 1997, data are from the family core and sample adult questionnaires.



**Table 68 (page 1 of 3). Alcohol consumption by adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Both sexes			Male			Female		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
<b>Drinking status<sup>1</sup></b>									
Percent distribution									
18 years and over, age adjusted <sup>2</sup>									
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lifetime abstainer	21.4	24.9	24.6	14.1	17.8	17.8	27.8	31.3	30.6
Former drinker <sup>3</sup>	15.8	14.3	14.5	16.4	15.2	14.9	15.4	13.6	14.4
Infrequent	9.0	7.7	8.0	7.8	7.1	6.9	10.2	8.4	9.0
Regular	6.8	6.5	6.5	8.6	8.0	8.0	5.3	5.2	5.4
Current drinker <sup>3</sup>	62.8	60.8	60.8	69.5	67.1	67.3	56.8	55.2	54.9
Infrequent	13.9	12.9	13.3	10.2	9.8	10.0	17.4	15.9	16.4
Regular	48.5	47.4	47.1	58.7	56.7	56.7	39.2	39.0	38.3
18 years and over, crude									
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lifetime abstainer	21.3	24.8	24.6	14.1	17.7	17.8	27.8	31.4	30.7
Former drinker <sup>3</sup>	15.6	14.3	14.6	15.7	14.9	14.5	15.5	13.7	14.6
Infrequent	8.9	7.8	8.0	7.5	7.0	6.8	10.2	8.5	9.2
Regular	6.7	6.5	6.5	8.2	7.9	7.8	5.3	5.2	5.4
Current drinker <sup>3</sup>	63.1	60.9	60.8	70.2	67.4	67.6	56.7	54.9	54.6
Infrequent	14.0	13.0	13.3	10.2	9.8	10.0	17.4	15.9	16.3
Regular	48.8	47.5	47.1	59.4	57.1	57.0	39.1	38.7	38.0
<b>Age</b>									
Percent current drinkers among all adults									
All persons:									
18–44 years	68.5	66.4	65.7	73.8	72.3	72.4	63.3	60.7	59.2
18–24 years	61.3	59.5	58.0	65.5	64.6	63.6	57.0	54.5	52.5
25–44 years	70.6	68.7	68.3	76.3	74.9	75.4	65.2	62.8	61.5
45–64 years	62.7	60.4	61.7	69.8	65.7	66.4	55.9	55.4	57.4
45–54 years	66.5	63.8	64.4	73.0	68.0	69.1	60.3	59.9	59.9
55–64 years	56.7	55.5	57.9	64.8	62.4	62.4	49.2	49.0	53.9
65 years and over	42.8	42.4	43.6	52.0	51.1	52.8	36.0	36.0	36.9
65–74 years	47.9	46.5	49.5	56.1	53.7	58.1	41.4	40.6	42.4
75 years and over	36.0	37.8	37.0	45.9	47.6	45.8	29.7	31.4	31.4
<b>Race<sup>2,4</sup></b>									
White only	65.3	63.3	63.6	71.0	69.1	69.4	60.1	58.0	58.2
Black or African American only	46.7	47.4	46.6	55.5	54.7	55.7	40.0	41.8	39.7
American Indian or Alaska Native only	52.2	46.5	48.8	64.6	47.8	50.2	43.4	45.2	46.7
Asian only	45.7	39.1	43.8	59.8	49.4	56.9	31.6	30.3	30.8
Native Hawaiian or Other Pacific Islander only	---	*	*	---	*	*	---	*	*
2 or more races	---	54.5	62.0	---	62.4	68.2	---	48.4	57.3
<b>Hispanic origin and race<sup>2,4</sup></b>									
Hispanic or Latino	52.9	49.5	49.6	63.9	61.7	63.7	41.9	37.3	35.7
Mexican	52.7	47.5	47.8	66.3	60.9	62.4	38.7	33.4	32.8
Not Hispanic or Latino	63.3	62.1	62.4	69.3	67.4	67.9	58.0	57.4	57.6
White only	66.7	65.7	66.0	71.7	70.3	70.4	62.2	61.6	62.0
Black or African American only	46.7	47.2	46.3	55.7	54.3	55.4	39.8	41.8	39.3
<b>Geographic region<sup>2</sup></b>									
Northeast	67.9	67.8	67.7	73.4	73.7	73.8	63.3	62.9	62.2
Midwest	65.7	64.5	66.3	71.6	68.8	71.5	60.3	60.7	61.9
South	55.5	54.3	54.2	63.0	61.7	61.5	48.7	47.6	47.5
West	64.4	60.4	59.9	71.2	67.0	67.2	58.1	54.1	52.9
<b>Location of residence<sup>2</sup></b>									
Within MSA <sup>5</sup>	63.9	62.3	61.3	70.1	68.2	68.0	58.5	57.0	55.4
Outside MSA <sup>5</sup>	56.5	53.8	58.4	64.6	61.5	64.3	48.8	47.1	51.5

See footnotes at end of table.

**Table 68 (page 2 of 3). Alcohol consumption by adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Both sexes			Male			Female		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
Level of alcohol consumption in past year for current drinkers <sup>6</sup>									
Percent distribution of current drinkers <sup>7</sup>									
18 years and over, age adjusted <sup>2</sup>									
All drinking levels . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Light . . . . .	69.6	68.4	69.7	59.5	58.9	60.8	81.0	78.9	79.7
Moderate . . . . .	22.5	23.7	23.1	31.8	32.8	31.5	12.0	13.7	13.6
Heavier . . . . .	7.9	7.9	7.2	8.7	8.3	7.7	7.0	7.4	6.7
18 years and over, crude									
All drinking levels . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Light . . . . .	69.8	68.6	69.8	59.6	59.1	60.8	81.4	79.2	79.9
Moderate . . . . .	22.3	23.5	23.0	31.7	32.5	31.5	11.7	13.5	13.4
Heavier . . . . .	7.9	7.9	7.3	8.8	8.4	7.8	6.9	7.3	6.7
Number of days in the past year with 5 or more drinks									
Percent distribution of current drinkers									
18 years and over, crude									
All current drinkers . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No days . . . . .	65.8	68.1	67.9	54.5	58.1	57.8	78.5	79.1	79.1
At least 1 day . . . . .	34.2	31.9	32.1	45.5	41.9	42.2	21.5	20.9	20.9
1–11 days . . . . .	18.5	17.0	18.2	22.0	19.5	21.5	14.6	14.2	14.5
12 or more days . . . . .	15.6	14.9	13.9	23.5	22.4	20.7	6.9	6.7	6.4
Hispanic origin, race, and age <sup>4</sup>									
Percent of adults with five or more drinks on at least 1 day in the past year among current drinkers									
All persons:									
18 years and over, age adjusted <sup>2</sup> . . . . .	32.3	30.5	31.1	43.1	39.9	40.5	20.1	20.1	20.5
18 years and over, crude . . . . .	34.2	31.9	32.1	45.5	41.9	42.2	21.5	20.9	20.9
18–44 years . . . . .	42.5	41.1	41.8	54.8	52.1	52.3	28.7	28.7	29.5
18–24 years . . . . .	51.6	51.2	55.9	61.5	59.3	66.8	40.2	41.9	43.1
25–44 years . . . . .	40.2	38.2	37.6	53.0	50.0	48.0	25.8	24.9	25.5
45–64 years . . . . .	25.3	23.9	24.3	36.1	33.5	34.3	12.8	13.2	13.5
45–54 years . . . . .	28.5	26.3	27.1	40.2	37.0	36.7	15.2	14.9	16.8
55–64 years . . . . .	19.5	19.8	19.7	28.8	28.0	30.5	8.3	10.2	8.4
65 years and over . . . . .	11.2	8.4	8.9	17.8	12.5	13.9	4.3	4.2	3.7
65–74 years . . . . .	13.8	10.8	11.6	21.6	16.1	16.7	5.4	5.0	5.9
75 years and over . . . . .	6.6	5.2	4.7	10.8	7.3	9.1	*2.5	*3.1	*
Race <sup>2,4</sup>									
White only . . . . .	33.3	31.9	32.5	44.4	41.3	41.9	20.9	21.4	21.9
Black or African American only . . . . .	23.9	21.6	23.4	32.0	31.0	33.4	15.0	12.2	12.4
American Indian or Alaska Native only . . . . .	54.4	34.1	33.2	70.5	43.8	43.7	37.6	*23.1	*19.5
Asian only . . . . .	25.6	15.3	18.6	30.8	20.3	25.4	16.6	*8.4	*6.1
Native Hawaiian or Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*
Hispanic origin and race <sup>2,4</sup>									
Hispanic or Latino . . . . .	37.0	30.2	31.8	46.6	39.1	40.2	22.4	15.4	17.2
Mexican . . . . .	39.1	34.2	36.6	50.2	43.0	45.3	20.3	18.2	20.1
Not Hispanic or Latino . . . . .	31.9	30.6	31.1	42.8	40.1	40.8	20.0	20.6	20.8
White only . . . . .	33.2	32.3	32.8	44.5	41.9	42.5	21.0	22.1	22.5
Black or African American only . . . . .	23.7	21.2	23.3	32.0	30.5	33.5	14.5	11.9	12.1

See footnotes at end of table.

**Table 68 (page 3 of 3). Alcohol consumption by adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Both sexes			Male			Female		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
Percent of adults with five or more drinks on at least 1 day in the past year among current drinkers									
Geographic region <sup>2</sup>									
Northeast . . . . .	31.4	29.1	28.6	43.3	37.2	37.8	19.0	21.0	19.1
Midwest . . . . .	33.7	33.9	35.8	44.6	44.6	46.6	21.6	22.5	24.6
South . . . . .	30.9	28.2	28.5	40.6	36.9	37.5	19.3	17.9	17.6
West . . . . .	33.5	31.5	31.4	44.7	41.7	40.3	20.7	19.6	20.7
Location of residence <sup>2</sup>									
Within MSA <sup>5</sup> . . . . .	31.7	29.9	30.5	42.4	39.0	40.2	19.9	19.8	20.1
Outside MSA <sup>5</sup> . . . . .	34.9	33.2	36.1	45.7	43.7	43.7	21.2	21.2	24.5

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

--- Data not available.

<sup>1</sup>Drinking status categories are based on self-reported responses to questions about alcohol consumption. Lifetime abstainers had fewer than 12 drinks in their lifetime. Former drinkers had at least 12 drinks in their lifetime and none in the past year. Former infrequent drinkers are former drinkers who had fewer than 12 drinks in any one year. Former regular drinkers are former drinkers who had at least 12 drinks in any one year. Current drinkers had at least 12 drinks in their lifetime and at least one drink in the past year. Current infrequent drinkers are current drinkers who had fewer than 12 drinks in the past year. Current regular drinkers are current drinkers who had at least 12 drinks in the past year. See Appendix II, Alcohol consumption.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using four age groups: 18–24 years, 25–44 years, 45–64 years, and 65 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>3</sup>The totals for current and former drinkers include a small number of adults who did not provide sufficient information on frequency or amount of drinking; therefore, infrequent or regular drinking status could not be determined for these people.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>MSA is metropolitan statistical area.

<sup>6</sup>Level of alcohol consumption categories are based on self-reported responses to questions about average alcohol consumption and are defined as follows: light drinkers: three drinks or fewer per week; moderate drinkers: more than three drinks and up to 14 drinks per week for men and more than three drinks and up to seven drinks per week for women; heavier drinkers: more than 14 drinks per week for men and more than seven drinks per week for women. (Most drinking guidelines consider more than seven drinks per week to be a heavier level of consumption for women. U.S. Department of Agriculture: Dietary Guidelines for Americans, 2000, 5th edition.)

<sup>7</sup>Percentage based on current drinkers with known frequency and amount of drinking.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). For more data on alcohol consumption see the Early Release reports on the National Health Interview Survey home page: [www.cdc.gov/nchs/nhis.htm](http://www.cdc.gov/nchs/nhis.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 69 (page 1 of 2). Hypertension and elevated blood pressure among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, 1988–1994 and 2001–2004**

[Data are based on interviews and physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>Hypertension<sup>2,3</sup></i>		<i>Elevated blood pressure<sup>2</sup></i>	
	<i>1988–1994</i>	<i>2001–2004</i>	<i>1988–1994</i>	<i>2001–2004</i>
20–74 years, age adjusted <sup>4</sup>				
Percent of population (standard error)				
Both sexes <sup>5</sup> . . . . .	21.7	25.3	15.4	16.0
Male . . . . .	23.4	24.4	18.2	15.8
Female <sup>5</sup> . . . . .	20.0	26.0	12.6	15.9
Not Hispanic or Latino:				
White only, male . . . . .	22.6	23.2	17.3	14.6
White only, female . . . . .	18.4	23.5	11.2	14.2
Black or African American only, male . . . . .	34.3	38.2	27.9	26.5
Black or African American only, female . . . . .	35.0	40.5	23.5	25.7
Mexican male . . . . .	23.4	19.7	19.1	15.3
Mexican female . . . . .	21.0	22.1	16.5	14.5
Percent of poverty level: <sup>6</sup>				
Below 100% . . . . .	27.5	29.6	19.0	19.0
100%–less than 200% . . . . .	22.6	30.3	15.8	19.9
200% or more . . . . .	20.4	23.5	14.6	14.6
20 years and over, age adjusted <sup>4</sup>				
Both sexes <sup>5</sup> . . . . .	25.5	29.7	18.5	19.1
Male . . . . .	26.4	28.1	20.6	18.3
Female . . . . .	24.4	30.7	16.4	19.4
Not Hispanic or Latino:				
White only, male . . . . .	25.6	26.8	19.7	17.0
White only, female . . . . .	23.0	28.5	15.1	18.0
Black or African American only, male . . . . .	37.5	41.6	30.3	28.8
Black or African American only, female . . . . .	38.3	44.7	26.4	28.8
Mexican male . . . . .	26.9	24.1	22.2	18.8
Mexican female . . . . .	25.0	26.4	20.4	18.3
Percent of poverty level: <sup>6</sup>				
Below 100% . . . . .	31.7	34.4	22.5	22.2
100%–less than 200% . . . . .	26.6	34.4	19.3	22.9
200% or more . . . . .	23.9	27.6	17.5	17.6
20 years and over, crude				
Both sexes <sup>5</sup> . . . . .	24.1	29.0	17.6	18.5
Male . . . . .	23.8	26.3	18.7	17.3
Female <sup>5</sup> . . . . .	24.4	31.5	16.5	19.7
Not Hispanic or Latino:				
White only, male . . . . .	24.3	26.9	18.7	17.0
White only, female . . . . .	24.6	31.8	16.4	20.1
Black or African American only, male . . . . .	31.1	36.7	25.5	25.6
Black or African American only, female . . . . .	32.5	41.4	22.2	25.7
Mexican male . . . . .	16.4	13.3	13.9	11.3
Mexican female . . . . .	15.9	16.4	12.7	11.0
Percent of poverty level: <sup>6</sup>				
Below 100% . . . . .	25.7	27.9	18.7	18.0
100%–less than 200% . . . . .	26.7	33.2	19.8	22.0
200% or more . . . . .	22.2	27.5	16.2	17.2
Male				
20–34 years . . . . .	7.1	6.4	6.6	5.9
35–44 years . . . . .	17.1	16.8	15.2	12.5
45–54 years . . . . .	29.2	30.2	21.9	20.3
55–64 years . . . . .	40.6	45.8	28.4	26.1
65–74 years . . . . .	54.4	58.5	39.9	31.7
75 years and over . . . . .	60.4	68.8	49.7	47.0
Female				
20–34 years . . . . .	2.9	*	*2.4	*
35–44 years . . . . .	11.2	14.0	6.4	7.6
45–54 years . . . . .	23.9	32.6	13.7	19.9
55–64 years . . . . .	42.6	54.6	27.0	30.4
65–74 years . . . . .	56.2	74.3	38.2	54.3
75 years and over . . . . .	73.6	81.7	59.9	57.1

See footnotes at end of table.

**Table 69 (page 2 of 2). Hypertension and elevated blood pressure among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, 1988–1994 and 2001–2004**

[Data are based on interviews and physical examinations of a sample of the civilian noninstitutionalized population]

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20%–30%.

<sup>1</sup>Persons of Mexican origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, estimates were tabulated according to the 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. See Appendix II, Hispanic origin; Race.

<sup>2</sup>Hypertension is defined as having elevated blood pressure and/or taking antihypertensive medication. Elevated blood pressure is defined as having systolic pressure of at least 140 mmHg or diastolic pressure of at least 90 mmHg. Those with elevated blood pressure may be taking prescribed medicine for high blood pressure. See Appendix II, Blood pressure, elevated.

<sup>3</sup>Respondents were asked, “Are you now taking prescribed medicine for your high blood pressure?”

<sup>4</sup>Age adjusted to the 2000 standard population using five age groups: 20–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over (65–74 years for estimates for 20–74 years). Age-adjusted estimates may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>5</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

<sup>6</sup>Poverty level is based on family income and family size. Persons with unknown poverty level are excluded. See Appendix II, Family income; Poverty.

NOTES: Percents are based on the average of blood pressure measurements taken. In 2001–2004, 77% of participants had three blood pressure readings. See *Health, United States, 2003*, Table 66 for a longer trend based on a single blood pressure measurement, which provides comparable data across five time periods (1960–1962 through 1999–2000). Excludes pregnant women. Estimates for persons 20 years and over are used for setting and tracking *Healthy People 2010* objectives. Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey.

**Table 70 (page 1 of 3). Serum total cholesterol levels among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, selected years 1960–1962 through 2001–2004**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>1960–1962</i>	<i>1971–1974</i>	<i>1976–1980<sup>2</sup></i>	<i>1988–1994</i>	<i>2001–2004</i>
20–74 years, age adjusted <sup>3</sup>					
Percent of population with high serum total cholesterol					
Both sexes <sup>4</sup> . . . . .	33.3	28.6	27.8	19.7	16.5
Male . . . . .	30.6	27.9	26.4	18.8	16.6
Female . . . . .	35.6	29.1	28.8	20.5	16.2
Not Hispanic or Latino:					
White only, male . . . . .	---	---	26.4	18.7	16.5
White only, female . . . . .	---	---	29.6	20.7	16.7
Black or African American only, male . . . . .	---	---	25.5	16.4	14.4
Black or African American only, female . . . . .	---	---	26.3	19.9	14.3
Mexican male . . . . .	---	---	20.3	18.7	17.0
Mexican female . . . . .	---	---	20.5	17.7	12.8
Percent of poverty level: <sup>5</sup>					
Below 100% . . . . .	---	24.4	23.5	19.3	18.9
100%–less than 200% . . . . .	---	28.9	26.5	19.4	17.5
200% or more . . . . .	---	28.9	29.0	19.6	16.0
20 years and over, age adjusted <sup>3</sup>					
Both sexes <sup>4</sup> . . . . .	---	---	---	20.8	16.7
Male . . . . .	---	---	---	19.0	16.1
Female . . . . .	---	---	---	22.0	16.8
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	18.8	16.0
White only, female . . . . .	---	---	---	22.2	17.4
Black or African American only, male . . . . .	---	---	---	16.9	14.2
Black or African American only, female . . . . .	---	---	---	21.4	14.8
Mexican male . . . . .	---	---	---	18.5	16.9
Mexican female . . . . .	---	---	---	18.7	14.0
Percent of poverty level: <sup>5</sup>					
Below 100% . . . . .	---	---	---	20.6	19.3
100%–less than 200% . . . . .	---	---	---	20.6	17.8
200% or more . . . . .	---	---	---	20.4	15.9
20 years and over, crude					
Both sexes <sup>4</sup> . . . . .	---	---	---	19.6	16.7
Male . . . . .	---	---	---	17.7	16.4
Female . . . . .	---	---	---	21.3	17.0
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	18.0	16.5
White only, female . . . . .	---	---	---	22.5	18.1
Black or African American only, male . . . . .	---	---	---	14.7	13.8
Black or African American only, female . . . . .	---	---	---	18.2	13.5
Mexican male . . . . .	---	---	---	15.4	15.1
Mexican female . . . . .	---	---	---	14.3	10.8
Percent of poverty level: <sup>5</sup>					
Below 100% . . . . .	---	---	---	17.6	17.3
100%–less than 200% . . . . .	---	---	---	19.8	16.4
200% or more . . . . .	---	---	---	19.5	16.6
Male					
20–34 years . . . . .	15.1	12.4	11.9	8.2	9.0
35–44 years . . . . .	33.9	31.8	27.9	19.4	21.2
45–54 years . . . . .	39.2	37.5	36.9	26.6	23.1
55–64 years . . . . .	41.6	36.2	36.8	28.0	19.9
65–74 years . . . . .	38.0	34.7	31.7	21.9	11.0
75 years and over . . . . .	---	---	---	20.4	9.9
Female					
20–34 years . . . . .	12.4	10.9	9.8	7.3	9.3
35–44 years . . . . .	23.1	19.3	20.7	12.3	11.4
45–54 years . . . . .	46.9	38.7	40.5	26.7	20.0
55–64 years . . . . .	70.1	53.1	52.9	40.9	27.6
65–74 years . . . . .	68.5	57.7	51.6	41.3	26.3
75 years and over . . . . .	---	---	---	38.2	23.8

See footnotes at end of table.

**Table 70 (page 2 of 3). Serum total cholesterol levels among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, selected years 1960–1962 through 2001–2004**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race and Hispanic origin<sup>1</sup>, and poverty level</i>	1960–1962	1971–1974	1976–1980 <sup>2</sup>	1988–1994	2001–2004
20–74 years, age adjusted <sup>3</sup>					
	Mean serum cholesterol level, mg/dL				
Both sexes <sup>4</sup> . . . . .	222	216	215	205	202
Male . . . . .	220	216	213	204	201
Female . . . . .	224	217	216	205	201
Not Hispanic or Latino:					
White only, male . . . . .	---	---	213	204	201
White only, female . . . . .	---	---	216	206	202
Black or African American only, male . . . . .	---	---	211	201	198
Black or African American only, female . . . . .	---	---	216	204	198
Mexican male . . . . .	---	---	209	206	202
Mexican female . . . . .	---	---	209	204	199
Percent of poverty level: <sup>5</sup>					
Below 100% . . . . .	---	211	211	203	202
100%–less than 200% . . . . .	---	217	213	203	202
200% or more . . . . .	---	217	216	206	202
20 years and over, age adjusted <sup>3</sup>					
Both sexes <sup>4</sup> . . . . .	---	---	---	206	202
Male . . . . .	---	---	---	204	201
Female . . . . .	---	---	---	207	202
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	205	201
White only, female . . . . .	---	---	---	208	203
Black or African American only, male . . . . .	---	---	---	202	198
Black or African American only, female . . . . .	---	---	---	207	199
Mexican male . . . . .	---	---	---	206	201
Mexican female . . . . .	---	---	---	206	200
Percent of poverty level: <sup>5</sup>					
Below 100% . . . . .	---	---	---	205	203
100%–less than 200% . . . . .	---	---	---	205	202
200% or more . . . . .	---	---	---	207	202
20 years and over, crude					
Both sexes <sup>4</sup> . . . . .	---	---	---	204	202
Male . . . . .	---	---	---	202	201
Female . . . . .	---	---	---	206	203
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	203	201
White only, female . . . . .	---	---	---	208	205
Black or African American only, male . . . . .	---	---	---	198	197
Black or African American only, female . . . . .	---	---	---	201	196
Mexican male . . . . .	---	---	---	199	198
Mexican female . . . . .	---	---	---	198	194
Percent of poverty level: <sup>5</sup>					
Below 100% . . . . .	---	---	---	200	199
100%–less than 200% . . . . .	---	---	---	202	200
200% or more . . . . .	---	---	---	205	203
Male					
20–34 years . . . . .	198	194	192	186	186
35–44 years . . . . .	227	221	217	206	210
45–54 years . . . . .	231	229	227	216	213
55–64 years . . . . .	233	229	229	216	208
65–74 years . . . . .	230	226	221	212	194
75 years and over . . . . .	---	---	---	205	194
Female					
20–34 years . . . . .	194	191	189	184	186
35–44 years . . . . .	214	207	207	195	198
45–54 years . . . . .	237	232	232	217	209
55–64 years . . . . .	262	245	249	235	219
65–74 years . . . . .	266	250	246	233	219
75 years and over . . . . .	---	---	---	229	213

See footnotes at end of table.



**Table 70 (page 3 of 3). Serum total cholesterol levels among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, selected years 1960–1962 through 2001–2004**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20%–30%.

- - - Data not available.

<sup>1</sup>Persons of Mexican origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, estimates were tabulated according to the 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. See Appendix II, Hispanic origin; Race.

<sup>2</sup>Data for Mexicans are for 1982–1984. See Appendix I, National Health and Nutrition Examination Survey (NHANES).

<sup>3</sup>Age adjusted to the 2000 standard population using five age groups: 20–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over (65–74 years for estimates for 20–74 years). Age-adjusted estimates may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>4</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

<sup>5</sup>Poverty level is based on family income and family size. Persons with unknown poverty level are excluded. See Appendix II, Family income; Poverty.

NOTES: High serum cholesterol is defined as greater than or equal to 240 mg/dL (6.20 mmol/L). Borderline high serum cholesterol is defined as greater than or equal to 200 mg/dL and less than 240 mg/dL. Risk levels have been defined by the Third Report of the National Cholesterol Education Program Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults. National Heart, Lung, and Blood Institute, National Institutes of Health. September 2002. (Available from: [www.nhlbi.nih.gov/guidelines/cholesterol/index.htm](http://www.nhlbi.nih.gov/guidelines/cholesterol/index.htm) and summarized in JAMA 2001;285(19):2486–97). Individuals who take medicine to lower their serum cholesterol levels and whose measured total serum cholesterol levels are below the cut-offs for high and borderline high cholesterol are not defined as having high or borderline high cholesterol, respectively. Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hsus.htm](http://www.cdc.gov/nchs/hsus.htm). Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–1984), and National Health Examination Survey (1960–1962).

**Table 71. Mean energy and macronutrient intake among persons 20–74 years of age, by sex and age: United States, 1971–1974 through 1999–2002**

[Data are based on dietary recall interviews of a sample of the civilian noninstitutionalized population]

<i>Sex and age</i>	<i>1971–1974</i>	<i>1976–1980</i>	<i>1988–1994</i>	<i>1999–2002</i>
Energy intake in kcals				
Male, age adjusted <sup>1</sup>	2,450	2,439	2,666	2,634
20–39 years	2,784	2,753	2,965	2,854
40–59 years	2,303	2,315	2,568	2,601
60–74 years	1,918	1,906	2,105	2,124
Female, age adjusted <sup>1</sup>	1,542	1,522	1,798	1,874
20–39 years	1,652	1,643	1,958	2,031
40–59 years	1,510	1,473	1,736	1,823
60–74 years	1,325	1,322	1,522	1,582
Percent kcals from carbohydrate				
Male, age adjusted <sup>1</sup>	42.4	42.6	48.2	48.9
20–39 years	42.2	43.1	48.1	50.1
40–59 years	41.6	41.5	47.8	47.7
60–74 years	44.8	44.1	49.7	48.9
Female, age adjusted <sup>1</sup>	45.4	46.0	50.6	51.5
20–39 years	45.8	46.0	50.6	52.6
40–59 years	44.4	45.0	50.0	50.4
60–74 years	46.8	48.6	52.5	51.4
Percent kcals from total fat				
Male, age adjusted <sup>1</sup>	36.9	36.8	33.9	33.0
20–39 years	37.0	36.2	34.0	32.1
40–59 years	36.9	37.3	34.2	33.7
60–74 years	36.4	36.9	32.9	33.8
Female, age adjusted <sup>1</sup>	36.1	36.0	33.4	33.2
20–39 years	36.3	36.0	33.6	32.5
40–59 years	36.3	36.5	34.0	33.9
60–74 years	34.9	34.7	31.6	33.4
Percent kcals from saturated fat				
Male, age adjusted <sup>1</sup>	13.5	13.2	11.3	10.8
20–39 years	13.6	13.1	11.5	10.7
40–59 years	13.5	13.5	11.3	10.8
60–74 years	13.3	13.1	10.9	10.7
Female, age adjusted <sup>1</sup>	13.0	12.5	11.2	10.8
20–39 years	13.0	12.6	11.4	10.8
40–59 years	13.1	12.7	11.3	10.9
60–74 years	12.4	11.8	10.4	10.5

<sup>1</sup>Age adjusted to the 2000 standard population using three age groups, 20–39 years, 40–59 years, and 60–74 years. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

NOTES: Estimates of energy intake include kilocalories (kcal) from all foods and beverages, including alcoholic beverages, consumed during the preceding 24 hours. Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey. Wright JD, Kennedy-Stephenson J, Wang CY, McDowell MA, Johnson CL. Trends in intake of energy and macronutrients - United States, 1971–2000. *MMWR* 2004;53(4):80–2.

**Table 72 (page 1 of 2). Leisure-time physical activity among adults 18 years of age and over, by selected characteristics: United States, selected years 1998–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Inactive <sup>1</sup>			Some leisure-time activity <sup>1</sup>			Regular leisure-time activity <sup>1</sup>		
	1998	2003	2004	1998	2003	2004	1998	2003	2004
	Percent of adults								
Total, age-adjusted <sup>2,3</sup> . . . . .	40.5	37.6	39.5	30.0	29.5	30.4	29.5	32.8	30.2
Total, crude <sup>3</sup> . . . . .	40.2	37.6	39.4	30.0	29.6	30.4	29.8	32.8	30.2
Age									
18–44 years . . . . .	35.2	32.9	35.4	31.4	30.3	31.5	33.5	36.8	33.1
18–24 years . . . . .	32.8	29.6	33.1	30.1	28.2	30.2	37.1	42.3	36.6
25–44 years . . . . .	35.9	34.0	36.1	31.8	31.0	31.9	32.4	34.9	31.9
45–64 years . . . . .	41.2	38.2	39.2	30.6	30.5	31.0	28.2	31.3	29.7
45–54 years . . . . .	38.9	36.5	37.5	31.4	30.8	32.8	29.8	32.8	29.7
55–64 years . . . . .	44.9	40.8	41.8	29.3	30.1	28.5	25.8	29.2	29.8
65 years and over . . . . .	55.4	51.4	52.7	24.7	25.3	25.6	19.9	23.3	21.7
65–74 years . . . . .	49.1	45.8	44.3	26.5	25.8	29.0	24.4	28.4	26.7
75 years and over . . . . .	63.3	57.5	62.1	22.4	24.8	21.8	14.3	17.7	16.1
Sex <sup>2</sup>									
Male . . . . .	37.8	35.4	38.1	28.7	29.2	30.5	33.5	35.4	31.4
Female . . . . .	42.9	39.5	40.6	31.1	29.9	30.3	26.0	30.6	29.1
Sex and age									
Male:									
18–44 years . . . . .	32.0	30.9	34.0	30.7	29.5	31.6	37.2	39.6	34.4
45–54 years . . . . .	37.7	36.4	38.3	29.6	30.5	33.4	32.6	33.2	28.3
55–64 years . . . . .	44.5	39.5	40.7	26.9	29.7	26.9	28.6	30.8	32.4
65–74 years . . . . .	45.3	43.0	41.7	23.6	24.9	29.1	31.1	32.1	29.2
75 years and over . . . . .	57.4	48.1	56.8	21.6	28.9	23.1	20.9	23.0	20.1
Female:									
18–44 years . . . . .	38.2	34.9	36.7	32.0	31.1	31.4	29.8	34.0	31.9
45–54 years . . . . .	39.9	36.5	36.7	33.0	31.1	32.3	27.1	32.4	31.0
55–64 years . . . . .	45.2	41.9	42.7	31.5	30.4	29.9	23.3	27.6	27.4
65–74 years . . . . .	52.2	48.0	46.5	28.7	26.6	28.9	19.0	25.4	24.6
75 years and over . . . . .	67.0	63.7	65.6	22.9	22.0	21.0	10.1	14.3	13.5
Race <sup>2,4</sup>									
White only . . . . .	38.8	36.3	38.0	30.5	29.8	30.7	30.7	33.9	31.3
Black or African American only . . . . .	52.2	48.5	50.5	25.2	26.1	26.1	22.6	25.5	23.3
American Indian or Alaska Native only . . . . .	49.2	54.7	44.4	19.0	20.0	33.7	31.8	25.2	21.9
Asian only . . . . .	39.4	35.9	39.1	35.2	31.1	33.4	25.4	33.1	27.5
Native Hawaiian or Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*
2 or more races . . . . .	---	33.3	28.8	---	34.1	38.7	---	32.6	32.4
Hispanic origin and race <sup>2,4</sup>									
Hispanic or Latino . . . . .	55.5	51.9	52.8	23.4	23.6	24.8	21.1	24.4	22.3
Mexican . . . . .	56.7	52.0	52.4	23.9	23.7	25.5	19.4	24.3	22.1
Not Hispanic or Latino . . . . .	38.8	35.5	37.5	30.7	30.3	31.1	30.5	34.2	31.4
White only . . . . .	36.7	33.4	35.3	31.3	30.9	31.6	32.0	35.8	33.1
Black or African American only . . . . .	52.2	48.5	50.7	25.1	26.0	26.0	22.6	25.5	23.2
Education <sup>5,6</sup>									
No high school diploma or GED . . . . .	64.8	61.2	63.8	19.4	20.6	21.5	15.8	18.1	14.7
High school diploma or GED . . . . .	47.6	45.5	48.6	28.7	27.5	28.5	23.7	27.0	22.8
Some college or more . . . . .	30.2	28.1	28.9	34.3	33.8	34.3	35.5	38.2	36.9

See footnotes at end of table.

**Table 72 (page 2 of 2). Leisure-time physical activity among adults 18 years of age and over, by selected characteristics: United States, selected years 1998–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Inactive <sup>1</sup>			Some leisure-time activity <sup>1</sup>			Regular leisure-time activity <sup>1</sup>		
	1998	2003	2004	1998	2003	2004	1998	2003	2004
Percent of poverty level <sup>2,7</sup>				Percent of adults					
Below 100% . . . . .	59.4	55.1	56.7	20.5	22.0	22.8	20.1	22.9	20.4
100%–less than 200% . . . . .	52.2	50.5	52.4	26.2	24.8	26.4	21.6	24.7	21.2
200% or more . . . . .	34.7	31.4	33.4	32.4	32.0	32.6	33.0	36.7	34.0
Hispanic origin and race and percent of poverty level <sup>2,4,7</sup>									
Hispanic or Latino:									
Below 100% . . . . .	68.6	64.2	63.7	18.0	19.1	20.9	13.4	16.7	15.5
100%–less than 200% . . . . .	60.8	58.8	59.2	21.2	21.0	23.8	18.0	20.3	17.0
200% or more . . . . .	45.6	41.8	43.1	27.6	27.3	27.7	26.8	30.9	29.3
Not Hispanic or Latino:									
White only:									
Below 100% . . . . .	53.7	49.3	51.8	22.5	22.6	23.4	23.8	28.0	24.8
100%–less than 200% . . . . .	49.0	45.7	48.4	27.6	27.4	27.3	23.4	27.0	24.3
200% or more . . . . .	32.7	29.2	31.1	32.9	32.4	33.4	34.4	38.3	35.5
Black or African American only:									
Below 100% . . . . .	64.3	61.3	61.3	17.4	20.9	21.6	18.3	17.8	17.1
100%–less than 200% . . . . .	55.6	55.3	59.5	24.4	22.9	22.9	19.9	21.8	17.6
200% or more . . . . .	46.0	40.7	42.4	28.7	29.1	29.2	25.3	30.2	28.4
Geographic region <sup>2</sup>									
Northeast . . . . .	39.4	34.4	36.1	31.3	29.2	30.6	29.4	36.4	33.3
Midwest . . . . .	37.3	34.7	34.7	31.7	32.2	34.1	31.0	33.1	31.2
South . . . . .	46.9	42.6	46.7	27.1	27.7	27.1	26.0	29.7	26.2
West . . . . .	33.9	34.9	35.3	31.6	29.9	31.6	34.6	35.2	33.2
Location of residence <sup>2</sup>									
Within MSA <sup>8</sup> . . . . .	39.3	36.4	38.2	30.6	29.9	30.6	30.0	33.7	31.1
Outside MSA <sup>8</sup> . . . . .	44.7	42.4	44.6	27.5	28.1	29.2	27.8	29.5	26.2

\* Estimates are considered unreliable. Data not shown have a relative standard error of greater than 30%.

--- Data not available.

<sup>1</sup>All questions related to leisure-time physical activity were phrased in terms of current behavior and lack a specific reference period. Respondents were asked about the frequency and duration of vigorous and light/moderate physical activity during leisure time. Adults classified as inactive reported no sessions of light/moderate or vigorous leisure-time activity of at least 10 minutes duration; adults classified with some leisure-time activity reported at least one session of light/moderate or vigorous physical activity of at least 10 minutes duration but did not meet the definition for regular leisure-time activity; adults classified with regular leisure-time activity reported 3 or more sessions per week of vigorous activity lasting at least 20 minutes or 5 or more sessions per week of light/moderate activity lasting at least 30 minutes in duration. See Appendix II, Physical activity, leisure-time.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>3</sup>Includes all other races not shown separately and unknown education level.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Estimates are for persons 25 years of age and over and are age adjusted to the year 2000 standard population using five age groups: 25–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>6</sup>GED stands for General Educational Development high school equivalency diploma. See Appendix II, Education.

<sup>7</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 31%–36% of adults 18 years of age and over in 1998–2004. See Appendix II, Family Income; Poverty.

<sup>8</sup>MSA is metropolitan statistical area.

NOTES: For more data on leisure-time physical activity, see National Health Interview Survey. Available from: [www.cdc.gov/nchs/nhis/htm](http://www.cdc.gov/nchs/nhis/htm). Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hsus.htm](http://www.cdc.gov/nchs/hsus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 73 (page 1 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, 1960–1962 through 2001–2004**

[Data are based on measured height and weight of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>Overweight<sup>2</sup></i>				
	<i>1960–1962</i>	<i>1971–1974</i>	<i>1976–1980<sup>3</sup></i>	<i>1988–1994</i>	<i>2001–2004</i>
20–74 years, age adjusted <sup>4</sup>					
Percent of population					
Both sexes <sup>5</sup> . . . . .	44.8	47.7	47.4	56.0	66.0
Male . . . . .	49.5	54.7	52.9	61.0	70.7
Female . . . . .	40.2	41.1	42.0	51.2	61.4
Not Hispanic or Latino:					
White only, male . . . . .	---	---	53.8	61.6	71.1
White only, female . . . . .	---	---	38.7	47.2	57.1
Black or African American only, male . . . . .	---	---	51.3	58.2	66.8
Black or African American only, female . . . . .	---	---	62.6	68.5	79.5
Mexican male . . . . .	---	---	61.6	69.4	75.8
Mexican female . . . . .	---	---	61.7	69.6	73.2
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	49.3	50.0	59.8	63.9
100%–less than 200% . . . . .	---	50.9	49.0	58.2	66.2
200% or more . . . . .	---	46.7	46.6	54.5	66.1
20 years and over, age adjusted <sup>4</sup>					
Both sexes <sup>5</sup> . . . . .	---	---	---	56.0	66.0
Male . . . . .	---	---	---	60.9	70.5
Female . . . . .	---	---	---	51.4	61.6
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	61.6	71.0
White only, female . . . . .	---	---	---	47.5	57.6
Black or African American only, male . . . . .	---	---	---	57.8	67.0
Black or African American only, female . . . . .	---	---	---	68.2	79.6
Mexican male . . . . .	---	---	---	68.9	74.6
Mexican female . . . . .	---	---	---	68.9	73.0
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	---	---	59.6	63.4
100%–less than 200% . . . . .	---	---	---	58.0	66.2
200% or more . . . . .	---	---	---	54.8	66.1
20 years and over, crude					
Both sexes <sup>5</sup> . . . . .	---	---	---	54.9	66.1
Male . . . . .	---	---	---	59.4	70.4
Female . . . . .	---	---	---	50.7	61.9
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	60.6	71.6
White only, female . . . . .	---	---	---	47.4	58.7
Black or African American only, male . . . . .	---	---	---	56.7	66.3
Black or African American only, female . . . . .	---	---	---	66.0	79.1
Mexican male . . . . .	---	---	---	63.9	71.8
Mexican female . . . . .	---	---	---	65.9	71.4
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	---	---	56.8	61.4
100%–less than 200% . . . . .	---	---	---	55.7	65.3
200% or more . . . . .	---	---	---	54.2	67.1
Male					
20–34 years . . . . .	42.7	42.8	41.2	47.5	59.0
35–44 years . . . . .	53.5	63.2	57.2	65.5	72.9
45–54 years . . . . .	53.9	59.7	60.2	66.1	78.5
55–64 years . . . . .	52.2	58.5	60.2	70.5	77.3
65–74 years . . . . .	47.8	54.6	54.2	68.5	76.1
75 years and over . . . . .	---	---	---	56.5	66.8
Female					
20–34 years . . . . .	21.2	25.8	27.9	37.0	51.6
35–44 years . . . . .	37.2	40.5	40.7	49.6	60.1
45–54 years . . . . .	49.3	49.0	48.7	60.3	67.4
55–64 years . . . . .	59.9	54.5	53.7	66.3	69.9
65–74 years . . . . .	60.9	55.9	59.5	60.3	71.5
75 years and over . . . . .	---	---	---	52.3	63.7

See footnotes at end of table.

**Table 73 (page 2 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, 1960–1962 through 2001–2004**

[Data are based on measured height and weight of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>Obesity<sup>7</sup></i>				
	<i>1960–1962</i>	<i>1971–1974</i>	<i>1976–1980<sup>3</sup></i>	<i>1988–1994</i>	<i>2001–2004</i>
20–74 years, age adjusted <sup>4</sup>					
Percent of population					
Both sexes <sup>5</sup> . . . . .	13.3	14.6	15.1	23.3	32.1
Male . . . . .	10.7	12.2	12.8	20.6	30.2
Female . . . . .	15.7	16.8	17.1	26.0	34.0
Not Hispanic or Latino:					
White only, male . . . . .	---	---	12.4	20.7	31.0
White only, female . . . . .	---	---	15.4	23.3	31.5
Black or African American only, male . . . . .	---	---	16.5	21.3	31.2
Black or African American only, female . . . . .	---	---	31.0	39.1	51.6
Mexican male . . . . .	---	---	15.7	24.4	30.5
Mexican female . . . . .	---	---	26.6	36.1	40.3
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	20.7	21.9	29.2	34.9
100%–less than 200% . . . . .	---	18.4	18.7	26.6	34.6
200% or more . . . . .	---	12.4	12.9	21.4	30.6
20 years and over, age adjusted <sup>4</sup>					
Both sexes <sup>5</sup> . . . . .	---	---	---	22.9	31.4
Male . . . . .	---	---	---	20.2	29.5
Female . . . . .	---	---	---	25.5	33.2
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	20.3	30.2
White only, female . . . . .	---	---	---	22.9	30.7
Black or African American only, male . . . . .	---	---	---	20.9	30.8
Black or African American only, female . . . . .	---	---	---	38.3	51.1
Mexican male . . . . .	---	---	---	23.8	29.1
Mexican female . . . . .	---	---	---	35.2	39.4
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	---	---	28.1	33.7
100%–less than 200% . . . . .	---	---	---	26.1	33.6
200% or more . . . . .	---	---	---	21.1	30.0
20 years and over, crude					
Both sexes <sup>5</sup> . . . . .	---	---	---	22.3	31.5
Male . . . . .	---	---	---	19.5	29.5
Female . . . . .	---	---	---	25.0	33.3
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	19.9	30.5
White only, female . . . . .	---	---	---	22.7	31.2
Black or African American only, male . . . . .	---	---	---	20.7	30.7
Black or African American only, female . . . . .	---	---	---	36.7	51.1
Mexican male . . . . .	---	---	---	20.6	27.8
Mexican female . . . . .	---	---	---	33.3	38.5
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	---	---	25.9	33.0
100%–less than 200% . . . . .	---	---	---	24.3	32.6
200% or more . . . . .	---	---	---	20.9	30.7
Male					
20–34 years . . . . .	9.2	9.7	8.9	14.1	23.2
35–44 years . . . . .	12.1	13.5	13.5	21.5	33.8
45–54 years . . . . .	12.5	13.7	16.7	23.2	31.8
55–64 years . . . . .	9.2	14.1	14.1	27.2	36.0
65–74 years . . . . .	10.4	10.9	13.2	24.1	32.1
75 years and over . . . . .	---	---	---	13.2	19.9
Female					
20–34 years . . . . .	7.2	9.7	11.0	18.5	28.6
35–44 years . . . . .	14.7	17.7	17.8	25.5	33.3
45–54 years . . . . .	20.3	18.9	19.6	32.4	38.0
55–64 years . . . . .	24.4	24.1	22.9	33.7	39.0
65–74 years . . . . .	23.2	22.0	21.5	26.9	37.9
75 years and over . . . . .	---	---	---	19.2	23.2

See footnotes at end of table.

**Table 73 (page 3 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, 1960–1962 through 2001–2004**

[Data are based on measured height and weight of a sample of the civilian noninstitutionalized population]

<i>Sex, age, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>Healthy weight<sup>8</sup></i>				
	<i>1960–1962</i>	<i>1971–1974</i>	<i>1976–1980<sup>3</sup></i>	<i>1988–1994</i>	<i>2001–2004</i>
20–74 years, age adjusted <sup>4</sup>					
Percent of population					
Both sexes <sup>5</sup> . . . . .	51.2	48.8	49.6	41.7	32.2
Male . . . . .	48.3	43.0	45.4	37.9	28.1
Female . . . . .	54.1	54.3	53.7	45.3	36.2
Not Hispanic or Latino:					
White only, male . . . . .	---	---	45.3	37.4	27.8
White only, female . . . . .	---	---	56.7	49.2	40.2
Black or African American only, male . . . . .	---	---	46.6	40.0	31.3
Black or African American only, female . . . . .	---	---	35.0	28.9	18.9
Mexican male . . . . .	---	---	37.1	29.8	24.2
Mexican female . . . . .	---	---	36.4	29.0	26.3
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	45.8	45.1	37.3	33.7
100%–less than 200% . . . . .	---	45.1	47.6	39.2	31.8
200% or more . . . . .	---	50.2	51.0	43.4	32.4
20 years and over, age adjusted <sup>4</sup>					
Both sexes <sup>5</sup> . . . . .	---	---	---	41.6	32.3
Male . . . . .	---	---	---	37.9	28.3
Female . . . . .	---	---	---	45.0	36.1
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	37.3	28.0
White only, female . . . . .	---	---	---	48.7	39.8
Black or African American only, male . . . . .	---	---	---	40.1	30.8
Black or African American only, female . . . . .	---	---	---	29.2	18.9
Mexican male . . . . .	---	---	---	30.2	25.3
Mexican female . . . . .	---	---	---	29.7	26.5
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	---	---	37.5	34.3
100%–less than 200% . . . . .	---	---	---	39.3	31.9
200% or more . . . . .	---	---	---	43.1	32.4
20 years and over, crude					
Both sexes <sup>5</sup> . . . . .	---	---	---	42.6	32.2
Male . . . . .	---	---	---	39.4	28.4
Female . . . . .	---	---	---	45.7	35.8
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	38.2	27.4
White only, female . . . . .	---	---	---	48.8	38.8
Black or African American only, male . . . . .	---	---	---	41.5	31.5
Black or African American only, female . . . . .	---	---	---	31.2	19.3
Mexican male . . . . .	---	---	---	35.2	28.1
Mexican female . . . . .	---	---	---	32.4	28.0
Percent of poverty level: <sup>6</sup>					
Below 100% . . . . .	---	---	---	39.8	36.2
100%–less than 200% . . . . .	---	---	---	41.5	32.6
200% or more . . . . .	---	---	---	43.6	31.6
Male					
20–34 years . . . . .	55.3	54.7	57.1	51.1	38.3
35–44 years . . . . .	45.2	35.2	41.3	33.4	26.5
45–54 years . . . . .	44.8	38.5	38.7	33.6	21.2
55–64 years . . . . .	44.9	38.3	38.7	28.6	22.2
65–74 years . . . . .	46.2	42.1	42.3	30.1	23.1
75 years and over . . . . .	---	---	---	40.9	32.1
Female					
20–34 years . . . . .	67.6	65.8	65.0	57.9	44.2
35–44 years . . . . .	58.4	56.7	55.6	47.1	38.3
45–54 years . . . . .	47.6	49.3	48.7	37.2	31.0
55–64 years . . . . .	38.1	41.1	43.5	31.5	29.2
65–74 years . . . . .	36.4	40.6	37.8	37.0	27.0
75 years and over . . . . .	---	---	---	43.0	34.6

See footnotes at end of table.



**Table 73 (page 4 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, by sex, age, race and Hispanic origin, and poverty level: United States, 1960–1962 through 2001–2004**

[Data are based on measured height and weight of a sample of the civilian noninstitutionalized population]

- - - Data not available.

<sup>1</sup>Persons of Mexican origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, estimates were tabulated according to the 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. See Appendix II, Hispanic origin; Race.

<sup>2</sup>Body mass index (BMI) greater than or equal to 25. See Appendix II, Body mass index.

<sup>3</sup>Data for Mexicans are for 1982–1984. See Appendix I, National Health and Nutrition Examination Survey (NHANES).

<sup>4</sup>Age adjusted to the 2000 standard population using five age groups: 20–34 years, 35–44 years, 45–54 years, 55–64 years, and 65 years and over (65–74 years for estimates for 20–74 years). Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>5</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

<sup>6</sup>Poverty level is based on family income and family size. Persons with unknown poverty level are excluded. See Appendix II, Family income; Poverty.

<sup>7</sup>Body mass index (BMI) greater than or equal to 30.

<sup>8</sup>BMI of 18.5 to less than 25 kilograms/meter<sup>2</sup>.

NOTES: Percents do not sum to 100 because the percent of persons with BMI less than 18.5 is not shown and the percent of persons with obesity is a subset of the percent with overweight. Height was measured without shoes; two pounds were deducted from data for 1960–1962 to allow for weight of clothing. Excludes pregnant women. Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–1984), and National Health Examination Survey (1960–1962).

**Table 75 (page 1 of 2). Untreated dental caries, by age, sex, race and Hispanic origin, and poverty level: United States, 1971–1974, 1988–1994, and 1999–2002**

[Data are based on dental examinations of a sample of the civilian noninstitutionalized population]

<i>Sex, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>2–5 years</i>			<i>6–17 years</i>		
	<i>1971–1974</i>	<i>1988–1994</i>	<i>1999–2002</i>	<i>1971–1974</i>	<i>1988–1994</i>	<i>1999–2002</i>
Percent of persons with untreated dental caries						
Total <sup>2</sup> . . . . .	25.0	19.1	19.3	54.8	23.6	21.5
Sex						
Male . . . . .	26.4	19.3	20.3	54.7	22.6	22.4
Female . . . . .	23.6	18.9	18.4	55.0	24.5	20.5
Race and Hispanic origin						
Not Hispanic or Latino:						
White only . . . . .	23.7	13.8	16.9	51.9	18.9	17.5
Black or African American only . . . . .	29.0	24.7	24.1	70.1	32.8	27.7
Mexican . . . . .	34.1	34.9	31.4	60.2	36.6	32.0
Percent of poverty level: <sup>3</sup>						
Below 100% . . . . .	32.0	30.2	31.7	68.7	38.2	32.1
100%–less than 200% . . . . .	29.9	24.3	20.1	60.7	28.2	28.8
200% or more . . . . .	17.8	9.4	11.0	45.6	14.9	12.7
Race, Hispanic origin, and poverty level <sup>3</sup>						
Not Hispanic or Latino:						
White only:						
Below 100% of poverty level . . . . .	32.1	25.7	34.2	68.2	34.4	29.2
100% or more of poverty level . . . . .	22.0	11.7	12.8	49.9	16.6	15.2
Black or African American only:						
Below 100% of poverty level . . . . .	29.1	27.2	28.7	72.7	35.5	35.0
100% or more of poverty level . . . . .	27.9	22.5	20.1	66.7	30.9	23.8
Mexican:						
Below 100% of poverty level . . . . .	*	38.8	39.1	57.1	46.1	38.6
100% or more of poverty level . . . . .	27.4	30.3	25.7	61.2	26.4	24.7

  

<i>Sex, race and Hispanic origin<sup>1</sup>, and poverty level</i>	<i>18–64 years</i>			<i>65–74 years</i>		
	<i>1971–1974</i>	<i>1988–1994</i>	<i>1999–2002</i>	<i>1971–1974</i>	<i>1988–1994</i>	<i>1999–2002</i>
Percent of persons with untreated dental caries						
Total <sup>2</sup> . . . . .	48.4	28.2	23.8	29.7	25.4	17.0
Sex						
Male . . . . .	50.9	31.2	25.9	32.6	29.8	20.1
Female . . . . .	46.0	25.3	21.7	27.4	21.5	14.4
Race and Hispanic origin						
Not Hispanic or Latino:						
White only . . . . .	45.6	23.6	18.7	28.3	22.7	14.3
Black or African American only . . . . .	68.2	47.9	41.5	41.5	46.7	35.0
Mexican . . . . .	62.0	39.9	35.3	*	43.8	33.9
Percent of poverty level: <sup>3</sup>						
Below 100% . . . . .	63.6	47.4	40.1	34.3	46.6	27.9
100%–less than 200% . . . . .	56.3	42.6	36.1	35.6	40.1	28.1
200% or more . . . . .	43.1	19.5	16.1	26.2	19.2	12.2
Race, Hispanic origin, and poverty status <sup>3</sup>						
Not Hispanic or Latino:						
White only:						
Below 100% of poverty level . . . . .	59.5	42.4	33.9	33.3	*39.0	*
100% or more of poverty level . . . . .	44.5	21.6	16.8	28.3	22.7	14.0
Black or African American only:						
Below 100% of poverty level . . . . .	73.1	59.2	53.1	39.8	49.7	*31.0
100% or more of poverty level . . . . .	65.8	43.4	37.0	41.1	43.8	39.0
Mexican:						
Below 100% of poverty level . . . . .	65.4	52.4	43.1	*	55.5	*45.0
100% or more of poverty level . . . . .	59.1	31.5	32.0	*	35.6	31.1

See footnotes at end of table.

**Table 75 (page 2 of 2). Untreated dental caries, by age, sex, race and Hispanic origin, and poverty level: United States, 1971–1974, 1988–1994, and 1999–2002**

[Data are based on dental examinations of a sample of the civilian noninstitutionalized population]

Sex, race and Hispanic origin <sup>1</sup> , and poverty level	75 years and over		
	1971–1974	1988–1994	1999–2002
	Percent of persons with untreated dental caries		
Total <sup>2</sup> . . . . .	---	30.3	20.3
Sex			
Male . . . . .	---	34.4	24.4
Female . . . . .	---	28.1	17.4
Race and Hispanic origin			
Not Hispanic or Latino:			
White only . . . . .	---	27.8	18.3
Black or African American only . . . . .	---	62.6	46.8
Mexican . . . . .	---	55.6	48.2
Percent of poverty level: <sup>3</sup>			
Below 100% . . . . .	---	47.1	33.0
100%–less than 200% . . . . .	---	34.5	23.0
200% or more . . . . .	---	23.2	15.8
Race, Hispanic origin, and poverty status <sup>3</sup>			
Not Hispanic or Latino:			
White only:			
Below 100% of poverty level . . . . .	---	38.0	*32.2
100% or more of poverty level . . . . .	---	26.1	17.2
Black or African American only:			
Below 100% of poverty level . . . . .	---	68.6	*
100% or more of poverty level . . . . .	---	60.2	43.8
Mexican:			
Below 100% of poverty level . . . . .	---	79.4	*
100% or more of poverty level . . . . .	---	*	49.7

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30% or fewer than 30 cases.

--- Data not available.

<sup>1</sup>Persons of Mexican origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, estimates were tabulated according to the 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. See Appendix II, Hispanic origin; Race.

<sup>2</sup>Includes persons of all races and Hispanic origins, not just those shown separately and those with unknown poverty level.

<sup>3</sup>Poverty level is based on family income and family size. Persons with unknown poverty level are excluded (4% in 1971–1974, 6% in 1988–1994, and 8% in 1999–2002). See Appendix II, Family income; Poverty.

NOTES: Untreated dental caries refers to untreated coronal caries, that is, caries on the crown or enamel surface of the tooth. Root caries are not included. For children 2–5 years of age, only dental caries in primary teeth was evaluated. Caries in both permanent and primary teeth was evaluated for children 6–11 years of age. For children 12–17 years of age and adults, only dental caries in permanent teeth was evaluated. Excludes edentulous persons (persons without teeth) of all ages. The majority of edentulous persons are 65 years of age and over. Estimates of edentulism among persons 65 years of age and over are 46% in 1971–1974, 33% in 1988–1994, and 27% in 1999–2002. See Appendix II, Dental caries. Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data have been revised and differ from previous editions of *Health, United States*.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey.

**Table 78 (page 1 of 2). Reduced access to medical care during the past 12 months due to cost, by selected characteristics: United States, 1997, 2003, and 2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Did not get care due to cost <sup>1</sup>			Delayed care due to cost <sup>2</sup>			Did not get prescription drugs due to cost <sup>3</sup>		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
	Percent								
Total, age-adjusted <sup>4,5</sup>	4.5	5.2	5.4	7.3	7.1	7.7	4.7	6.2	7.1
Total, crude <sup>5</sup>	4.5	5.3	5.5	7.3	7.1	7.8	4.8	6.3	7.1
Age									
Under 18 years	2.2	2.2	2.3	3.7	3.6	3.8	2.2	2.7	2.8
Under 6 years	1.6	1.7	1.7	3.0	3.0	3.3	1.6	2.1	2.2
6–17 years	2.5	2.5	2.6	4.1	3.9	4.0	2.4	3.0	3.1
18–44 years	6.1	7.2	7.3	9.7	9.3	10.1	6.9	8.4	9.4
45–64 years	5.8	6.7	7.2	9.0	9.1	10.0	5.1	7.6	8.8
65 years and over	2.3	2.7	2.6	3.9	3.7	4.1	2.8	4.4	5.4
Sex <sup>4</sup>									
Male	3.8	4.8	5.0	6.4	6.4	7.0	3.9	5.0	5.9
Female	5.2	5.7	5.8	8.1	7.7	8.4	5.6	7.4	8.2
Race <sup>4,6</sup>									
White only	4.4	5.1	5.3	7.5	7.2	7.8	4.4	6.0	6.8
Black or African American only	5.8	6.4	6.6	6.9	6.8	7.9	7.3	8.6	9.7
American Indian or Alaska Native only	7.8	*9.5	7.1	11.0	11.6	8.9	*8.0	*10.7	9.6
Asian only	2.5	2.1	2.9	3.7	3.4	4.2	*2.1	2.7	2.9
Native Hawaiian or Other Pacific Islander only	---	*	*	---	*	*	---	*	*
2 or more races	---	10.3	7.9	---	11.4	11.0	---	10.4	9.6
Hispanic origin and race <sup>4,6</sup>									
Hispanic or Latino	5.9	6.5	6.3	6.9	7.4	7.8	5.7	8.6	8.9
Mexican	6.0	6.4	6.1	6.8	7.2	7.6	6.1	10.1	8.8
Not Hispanic or Latino	4.4	5.1	5.3	7.3	7.1	7.7	4.7	6.0	6.8
White only	4.2	4.9	5.2	7.6	7.3	7.9	4.3	5.6	6.6
Black or African American only	5.8	6.4	6.5	6.9	6.8	7.9	7.3	8.6	9.7
Education <sup>7</sup>									
No high school diploma or GED	9.7	10.4	10.2	12.1	11.5	11.9	10.2	12.1	14.5
High school diploma or GED	5.2	6.7	6.9	8.4	8.5	9.2	5.9	8.6	9.1
Some college or more	3.9	4.9	5.3	7.3	7.3	8.2	3.9	5.6	6.5
Percent of poverty level <sup>4,8</sup>									
Below 100%	11.2	11.0	11.5	13.2	12.0	13.5	11.6	13.8	14.2
100%–less than 200%	8.3	9.8	10.0	12.2	12.0	12.8	8.7	11.5	12.8
200% or more	2.4	3.1	3.3	4.9	5.0	5.5	2.5	3.6	4.5
Age and percent of poverty level <sup>8</sup>									
Under 18 years of age:									
Below 100%	4.5	3.5	3.3	5.5	4.8	5.2	4.6	5.8	4.8
100%–less than 200%	3.0	3.7	3.7	5.9	5.5	6.0	3.4	3.7	4.6
200% or more	1.1	1.3	1.4	2.2	2.6	2.6	0.8	1.3	1.5
18–44 years:									
Below 100%	12.7	13.3	13.5	14.8	14.0	15.3	13.8	15.6	14.6
100%–less than 200%	10.1	12.7	12.6	14.9	14.8	15.8	11.6	13.9	15.4
200% or more	3.5	4.4	4.6	7.1	6.8	7.4	4.0	5.2	6.4
45–64 years:									
Below 100%	18.4	18.8	20.3	22.0	19.7	22.6	17.9	21.8	25.8
100%–less than 200%	14.0	14.3	16.2	18.6	18.1	19.4	12.1	18.7	20.4
200% or more	2.8	4.0	4.3	5.8	6.3	7.2	2.4	4.2	5.2
65 years and over:									
Below 100%	7.3	5.6	6.2	8.6	7.4	8.6	7.5	10.3	11.5
100%–less than 200%	3.3	5.0	4.3	5.8	6.3	6.2	4.4	7.2	8.4
200% or more	0.9	1.2	1.3	2.1	2.0	2.5	1.1	2.2	3.3

See footnotes at end of table.

**Table 78 (page 2 of 2). Reduced access to medical care during the past 12 months due to cost, by selected characteristics: United States, 1997, 2003, and 2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Did not get care due to cost <sup>1</sup>			Delayed care due to cost <sup>2</sup>			Did not get prescription drugs due to cost <sup>3</sup>		
	1997	2003	2004	1997	2003	2004	1997	2003	2004
Percent									
Percent of poverty level and health insurance status prior to interview for persons under 65 years of age <sup>4,8,9</sup>									
Insured continuously all 12 months . . . . .	1.8	2.3	2.3	4.0	3.7	4.1	2.3	3.1	4.0
Below 100% . . . . .	4.7	5.2	4.9	6.3	5.9	6.4	6.5	6.9	8.5
100%–less than 200% . . . . .	3.9	4.7	4.7	7.1	6.4	7.0	4.9	6.8	8.6
200% or more . . . . .	1.2	1.5	1.6	3.2	3.1	3.3	1.3	2.1	2.7
Uninsured for any period up to 12 months . . . . .	15.4	20.5	20.0	23.7	26.3	27.3	15.0	20.6	21.5
Below 100% . . . . .	20.9	26.8	25.0	25.7	27.0	30.4	22.8	30.6	29.5
100%–less than 200% . . . . .	17.9	22.5	24.4	27.5	28.4	31.4	17.5	23.1	26.1
200% or more . . . . .	11.5	17.4	16.1	20.7	25.1	24.1	10.3	16.1	16.2
Uninsured more than 12 months . . . . .	18.9	19.5	21.0	23.8	23.7	25.3	16.3	19.6	19.8
Below 100% . . . . .	23.0	21.7	24.0	25.1	23.5	26.0	19.3	25.5	22.2
100%–less than 200% . . . . .	18.6	20.0	21.2	23.1	25.0	24.9	16.6	20.2	20.2
200% or more . . . . .	15.6	17.7	19.1	23.4	23.1	25.5	13.3	14.1	18.0
Geographic region <sup>4</sup>									
Northeast . . . . .	3.5	3.9	4.4	5.7	5.3	6.0	3.4	5.1	5.6
Midwest . . . . .	4.0	4.7	4.4	7.3	7.2	7.6	4.4	5.3	6.0
South . . . . .	5.3	6.3	6.6	8.1	7.8	8.4	5.7	7.2	8.9
West . . . . .	4.7	5.2	5.5	7.2	7.2	8.1	4.8	6.7	6.6
Within MSA <sup>10</sup> . . . . .	4.3	5.0	5.2	6.9	6.7	7.4	4.4	5.8	6.8
Outside MSA <sup>10</sup> . . . . .	5.4	6.1	6.3	8.7	8.8	9.1	6.1	8.0	8.2

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

--- Data not available.

<sup>1</sup>Based on persons responding yes to the question, “During the past 12 months was there any time when person needed medical care but did not get it because person couldn’t afford it?”

<sup>2</sup>Based on persons responding yes to the question, “During the past 12 months has medical care been delayed because of worry about the cost?”

<sup>3</sup>Based on persons responding yes to the question, “During the past 12 months was there any time when you needed prescription medicine but didn’t get it because you couldn’t afford it?”

<sup>4</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: 0–17 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>5</sup>Includes all other races not shown separately and unknown education level.

<sup>6</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category including Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>7</sup>Estimates are for persons 25 years of age and over and are age adjusted to the year 2000 standard population using five age groups: 25–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment. GED stands for General Educational Development high school equivalency diploma. See Appendix II, Education.

<sup>8</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 25%–29% of persons in 1997–1998 and 32%–33% in 2003–2004. See Appendix II, Family Income; Poverty.

<sup>9</sup>For information on the health insurance categories see Appendix II, Health Insurance Coverage.

<sup>10</sup>MSA is metropolitan statistical area.

NOTES: Standard errors and additional data years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core, sample child, and sample adult questionnaires.

**Table 80 (page 1 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of health care visits <sup>1</sup>											
	None			1–3 visits			4–9 visits			10 or more visits		
	1997	2003	2004	1997	2003	2004	1997	2003	2004	1997	2003	2004
	Percent distribution											
All persons <sup>2,3</sup>	16.5	15.8	16.1	46.2	45.8	45.8	23.6	24.8	24.6	13.7	13.6	13.5
Age												
Under 18 years	11.8	11.3	10.6	54.1	54.5	55.3	25.2	26.7	26.2	8.9	7.5	8.0
Under 6 years	5.0	5.5	5.3	44.9	46.0	47.5	37.0	39.0	36.9	13.0	9.4	10.3
6–17 years	15.3	14.0	13.1	58.7	58.7	59.0	19.3	20.8	21.1	6.8	6.6	6.8
18–44 years	21.7	22.4	23.8	46.7	46.7	45.6	19.0	19.1	19.2	12.6	11.8	11.5
18–24 years	22.0	23.6	25.7	46.8	47.2	45.0	20.0	18.2	19.2	11.2	11.0	10.1
25–44 years	21.6	22.0	23.1	46.7	46.6	45.8	18.7	19.4	19.2	13.0	12.0	12.0
45–64 years	16.9	14.7	15.0	42.9	42.2	43.3	24.7	26.6	25.3	15.5	16.5	16.3
45–54 years	17.9	16.9	16.9	43.9	44.2	45.0	23.4	24.5	22.9	14.8	14.3	15.2
55–64 years	15.3	11.4	12.3	41.3	39.2	40.9	26.7	29.8	28.9	16.7	19.6	18.0
65 years and over	8.9	6.3	5.6	34.7	31.5	31.6	32.5	35.8	36.8	23.8	26.4	26.1
65–74 years	9.8	7.1	6.8	36.9	34.0	36.0	31.6	35.7	34.5	21.6	23.3	22.6
75 years and over	7.7	5.4	4.1	31.8	28.6	26.4	33.8	36.0	39.5	26.6	30.0	30.0
Sex <sup>3</sup>												
Male	21.3	20.6	20.9	47.1	46.8	46.6	20.6	21.9	21.6	11.0	10.7	10.9
Female	11.8	11.1	11.5	45.4	44.9	45.0	26.5	27.7	27.5	16.3	16.3	16.0
Race <sup>3,4</sup>												
White only	16.0	15.7	16.0	46.1	45.6	45.4	23.9	25.1	24.8	14.0	13.6	13.8
Black or African American only	16.8	14.7	15.8	46.1	45.8	47.0	23.2	25.2	24.6	13.9	14.3	12.6
American Indian or Alaska Native only	17.1	23.3	17.7	38.0	41.4	41.7	24.2	20.6	25.0	20.7	14.7	15.5
Asian only	22.8	22.6	20.8	49.1	47.8	51.5	19.7	20.7	19.7	8.3	8.9	8.1
Native Hawaiian or Other Pacific Islander only	---	*	*	---	*	*	---	*	*	---	*	*
2 or more races	---	11.1	13.6	---	44.9	42.9	---	23.0	26.2	---	21.0	17.3
Hispanic origin and race <sup>3,4</sup>												
Hispanic or Latino	24.9	25.3	26.7	42.3	42.9	41.8	20.3	20.3	20.6	12.5	11.5	10.9
Mexican	28.9	27.8	29.7	40.8	42.5	41.0	18.5	18.8	18.9	11.8	11.0	10.4
Not Hispanic or Latino	15.4	14.1	14.2	46.7	46.3	46.5	24.0	25.6	25.2	13.9	14.0	14.1
White only	14.7	13.5	13.5	46.6	46.2	46.1	24.4	26.1	25.7	14.3	14.2	14.7
Black or African American only	16.9	14.6	15.6	46.1	45.9	47.3	23.1	25.3	24.6	13.8	14.2	12.5
Respondent-assessed health status <sup>3</sup>												
Fair or poor	7.8	8.7	8.1	23.3	23.2	22.0	29.0	28.8	28.0	39.9	39.3	41.9
Good to excellent	17.2	16.4	16.9	48.4	48.1	48.0	23.3	24.5	24.4	11.1	10.9	10.7
Percent of poverty level <sup>3,5</sup>												
Below 100%	20.6	20.9	21.1	37.8	37.8	37.7	22.7	23.7	23.5	18.9	17.6	17.7
100%–less than 200%	20.1	19.8	20.9	43.3	41.5	42.5	21.7	23.6	22.3	14.9	15.1	14.4
200% or more	14.5	13.7	13.8	48.7	48.4	48.1	24.2	25.4	25.3	12.6	12.6	12.8

See footnotes at end of table.

**Table 80 (page 2 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of health care visits <sup>1</sup>											
	None			1–3 visits			4–9 visits			10 or more visits		
	1997	2003	2004	1997	2003	2004	1997	2003	2004	1997	2003	2004
Percent distribution												
Hispanic origin and race and percent of poverty level <sup>3,4,5</sup>												
Hispanic or Latino:												
Below 100% . . . . .	30.2	29.9	31.6	34.8	37.0	35.0	19.9	18.5	19.6	15.0	14.6	13.9
100%–less than 200% . . . . .	28.7	28.6	30.5	39.7	40.2	39.3	20.4	20.6	19.4	11.2	10.5	10.9
200% or more . . . . .	18.9	20.7	21.5	48.8	47.7	47.0	20.4	21.2	22.2	11.9	10.3	9.2
Not Hispanic or Latino:												
White only:												
Below 100% . . . . .	17.0	17.0	16.2	38.3	37.5	37.5	23.9	25.9	25.4	20.9	19.5	20.9
100%–less than 200% . . . . .	17.3	16.6	16.7	44.1	41.0	43.2	22.2	24.9	23.4	16.3	17.4	16.7
200% or more . . . . .	13.8	12.5	12.7	48.2	48.1	47.4	24.9	26.3	26.1	13.1	13.1	13.8
Black or African American only:												
Below 100% . . . . .	17.4	15.7	15.9	38.5	38.1	40.9	23.4	26.5	25.7	20.7	19.6	17.5
100%–less than 200% . . . . .	18.8	15.4	18.1	43.7	44.2	44.5	22.9	25.9	23.8	14.5	14.5	13.7
200% or more . . . . .	15.6	13.7	14.3	51.7	50.6	51.3	22.7	24.3	24.4	10.0	11.4	10.0
Health insurance status at the time of interview <sup>6,7</sup>												
Under 65 years of age:												
Insured . . . . .	14.3	12.8	13.4	49.0	49.1	49.1	23.6	25.2	24.6	13.1	12.9	12.8
Private . . . . .	14.7	13.2	13.6	50.6	51.1	51.4	23.1	24.6	23.9	11.6	11.1	11.2
Medicaid . . . . .	9.8	9.9	11.8	35.5	35.2	35.1	26.5	28.1	28.2	28.2	26.8	24.9
Uninsured . . . . .	33.7	38.1	37.8	42.8	42.4	42.5	15.3	13.4	13.6	8.2	6.1	6.1
Health insurance status prior to interview <sup>6,7</sup>												
Under 65 years of age:												
Insured continuously all 12 months . . . . .	14.1	12.7	13.4	49.2	49.3	49.4	23.6	25.2	24.6	13.0	12.8	12.7
Uninsured for any period up to 12 months . . . . .	18.9	20.4	20.0	46.0	46.2	45.7	20.8	21.2	21.9	14.4	12.2	12.3
Uninsured more than 12 months . . . . .	39.0	44.3	43.9	41.4	39.8	41.3	13.2	11.2	10.0	6.4	4.7	4.8
Percent of poverty level and insurance status prior to interview <sup>5,6,7</sup>												
Under 65 years of age:												
Below 100%:												
Insured continuously all 12 months . . . . .	13.8	12.7	14.3	39.7	40.9	39.6	25.2	25.8	25.7	21.4	20.5	20.4
Uninsured for any period up to 12 months . . . . .	19.7	18.4	17.6	37.6	43.9	42.0	21.9	21.6	24.6	20.9	16.1	15.7
Uninsured more than 12 months . . . . .	41.2	47.7	47.1	39.9	35.7	38.6	12.2	11.7	9.4	6.6	4.9	5.0
100%–less than 200%:												
Insured continuously all 12 months . . . . .	16.0	13.8	15.7	46.4	45.0	45.4	21.9	24.4	23.5	15.8	16.8	15.5
Uninsured for any period up to 12 months . . . . .	18.8	20.2	21.7	45.1	42.0	45.1	21.0	24.8	22.1	15.0	12.9	11.1
Uninsured more than 12 months . . . . .	38.7	43.4	45.0	41.0	39.1	39.4	14.0	12.1	9.9	6.3	5.4	5.7
200% or more:												
Insured continuously all 12 months . . . . .	13.7	12.4	12.6	51.0	51.1	51.3	23.6	25.3	24.7	11.7	11.3	11.5
Uninsured for any period up to 12 months . . . . .	17.8	20.4	20.3	50.3	49.6	47.5	20.4	19.1	20.4	11.5	10.9	11.9
Uninsured more than 12 months . . . . .	36.6	41.8	39.7	43.8	44.7	45.4	13.2	9.6	10.9	6.4	4.0	4.1
Geographic region <sup>3</sup>												
Northeast . . . . .	13.2	10.4	11.6	45.9	47.6	45.5	26.0	27.0	27.5	14.9	15.0	15.4
Midwest . . . . .	15.9	14.2	13.9	47.7	47.2	47.5	22.8	25.4	25.1	13.6	13.2	13.5
South . . . . .	17.2	16.5	16.7	46.1	45.1	46.2	23.3	24.8	23.8	13.5	13.6	13.3
West . . . . .	19.1	21.0	21.3	44.8	44.2	43.8	22.8	22.2	22.7	13.3	12.6	12.2

See footnotes at end of table.



**Table 80 (page 3 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Number of health care visits <sup>1</sup>											
	None			1–3 visits			4–9 visits			10 or more visits		
	1997	2003	2004	1997	2003	2004	1997	2003	2004	1997	2003	2004
Location of residence <sup>3</sup>	Percent distribution											
Within MSA <sup>8</sup>	16.2	16.0	16.3	46.4	45.9	45.9	23.7	24.8	24.4	13.7	13.3	13.4
Outside MSA <sup>8</sup>	17.3	15.0	15.3	45.4	45.6	45.4	23.3	24.9	25.3	13.9	14.5	14.0

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

--- Data not available.

<sup>1</sup>This table presents a summary measure of health care visits to doctor's offices, emergency departments, and home visits during a 12-month period. See Appendix II, Emergency department visit; Health care contact; Home visit.

<sup>2</sup>Includes all other races not shown separately and unknown health insurance status.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: Under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 25%–29% of persons in 1997–1998 and 32%–35% in 1999–2004. See Appendix II, Family income; Poverty.

<sup>6</sup>Estimates for persons under 65 years of age are age adjusted to the year 2000 standard population using four age groups: Under 18 years, 18–44 years, 45–54 years, and 55–64 years of age. See Appendix II, Age adjustment.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Starting in 1997 Medicaid includes state-sponsored health plans and State Children's Health Insurance Program (SCHIP). See Appendix II, Health insurance coverage.

<sup>8</sup>MSA is metropolitan statistical area.

NOTES: In 1997 the National Health Interview Survey questionnaire was redesigned. See Appendix I, National Health Interview Survey. Standard errors are available in the spreadsheet version of this table. See [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 83 (page 1 of 3). Influenza and pneumococcal vaccination among adults 18 years of age and over, by selected characteristics: United States, selected years 1989–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1989</i>	<i>1995</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
	Percent receiving influenza vaccination during past 12 months <sup>1</sup>							
18 years and over, age-adjusted <sup>2,3</sup>	9.6	23.6	28.4	28.7	26.7	28.3	29.2	29.5
18 years and over, crude <sup>3</sup>	9.1	24.4	27.9	28.4	26.4	28.0	29.0	29.4
Age								
18–49 years	3.4	13.3	16.4	17.1	15.0	16.2	16.8	17.9
50 years and over	19.9	43.0	48.4	47.9	45.7	47.7	48.9	47.9
50–64 years	10.6	26.9	34.1	34.6	32.2	34.0	36.8	35.9
65 years and over	30.4	57.0	65.7	64.4	63.1	65.7	65.5	64.6
65–74 years	28.0	54.0	61.9	61.1	60.7	60.9	60.5	60.1
75 years and over	34.2	61.2	70.4	68.4	65.8	71.3	71.0	69.7
Age 50 years and over								
Sex								
Male	19.2	40.9	45.9	45.9	44.2	45.1	46.8	45.1
Female	20.6	44.4	50.4	49.5	46.9	49.8	50.7	50.2
Race <sup>4</sup>								
White only	21.0	45.1	49.9	49.8	47.7	49.4	50.4	49.8
Black or African American only	12.5	29.8	36.3	33.2	32.7	36.2	35.3	32.8
American Indian or Alaska Native only	26.2	*35.3	45.6	43.6	41.5	*37.6	44.7	51.3
Asian only	*9.2	36.9	44.9	43.3	35.4	39.5	45.9	41.7
Native Hawaiian or Other Pacific Islander only	---	---	*	*	*	*	*	*
2 or more races	---	---	53.3	50.7	41.5	47.9	53.7	44.5
Hispanic origin and race <sup>4</sup>								
Hispanic or Latino	13.2	35.1	37.0	34.4	32.5	33.7	33.6	36.9
Mexican	13.0	36.2	38.0	33.0	34.3	33.9	32.8	39.2
Not Hispanic or Latino	20.3	43.8	49.2	48.8	46.6	48.7	50.1	48.8
White only	21.3	46.0	50.7	50.6	48.6	50.3	51.8	50.9
Black or African American only	12.4	30.0	36.4	33.2	32.8	36.5	35.4	32.9
Percent of poverty level <sup>5</sup>								
Below 100%	19.6	41.4	43.6	44.1	38.8	41.9	41.8	42.5
100%–less than 200%	24.0	43.8	51.5	50.7	47.2	49.8	50.9	49.9
200% or more	19.0	43.0	48.1	47.6	46.1	47.9	49.4	48.1
Hispanic origin and race and percent of poverty level <sup>4,5</sup>								
Hispanic or Latino:								
Below 100%	12.7	36.4	37.1	35.8	33.0	36.6	31.9	36.3
100%–less than 200%	20.4	33.0	36.8	35.6	35.2	32.6	29.9	33.1
200% or more	11.9	35.7	37.0	33.1	30.6	33.2	36.6	39.2
Not Hispanic or Latino:								
White only:								
Below 100%	22.3	47.5	49.2	48.6	42.7	42.7	45.9	48.1
100%–less than 200%	26.1	48.1	55.1	54.8	51.0	54.2	55.9	55.0
200% or more	19.9	45.0	49.8	49.8	48.5	50.3	51.5	50.2
Black or African American only:								
Below 100%	14.7	31.3	31.3	35.5	34.7	41.8	37.4	32.0
100%–less than 200%	12.2	30.2	40.7	37.9	35.3	39.4	40.9	36.8
200% or more	12.0	28.7	36.3	29.9	30.6	33.3	32.1	31.6
Geographic region								
Northeast	17.9	41.6	45.4	45.9	45.4	47.2	50.5	47.9
Midwest	20.0	45.1	51.5	49.3	47.9	49.6	50.2	49.9
South	20.2	42.0	46.5	46.8	43.3	46.5	48.4	47.3
West	21.8	43.4	51.2	50.1	47.7	48.1	46.4	46.5
Location of residence								
Within MSA <sup>6</sup>	18.9	42.3	48.0	47.1	45.0	47.1	48.8	47.6
Outside MSA <sup>6</sup>	23.3	45.3	49.6	50.2	47.8	49.7	49.3	48.9

See footnotes at end of table.

**Table 83 (page 2 of 3). Influenza and pneumococcal vaccination among adults 18 years of age and over, by selected characteristics: United States, selected years 1989–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1989</i>	<i>1995</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
	Percent ever receiving pneumococcal vaccination <sup>7</sup>							
18 years and over, age-adjusted <sup>2,3</sup>	4.6	11.8	14.7	15.4	16.1	16.4	16.4	16.8
18 years and over, crude <sup>3</sup>	4.4	12.5	14.3	15.1	15.7	16.0	16.0	16.5
Age								
18–49 years	2.1	6.4	5.5	5.4	5.9	5.6	5.6	5.7
50 years and over	9.0	22.4	29.9	31.7	32.2	33.3	33.1	33.6
50–64 years	4.4	10.3	13.6	14.7	15.4	16.3	16.7	17.2
65 years and over	14.1	32.9	49.7	53.1	54.0	56.0	55.6	56.8
65–74 years	13.1	30.3	46.6	48.2	50.3	50.2	49.8	50.4
75 years and over	15.7	36.7	53.5	59.1	58.4	62.8	62.1	64.2
Age 65 years and over								
Sex								
Male	13.9	32.6	50.1	52.1	54.2	55.9	53.7	54.3
Female	14.3	33.1	49.4	53.9	53.8	56.1	57.0	58.7
Race <sup>4</sup>								
White only	14.9	34.7	51.8	55.6	56.7	58.7	57.9	59.1
Black or African American only	6.5	21.2	32.4	30.6	33.9	37.0	36.9	38.6
American Indian or Alaska Native only	31.2	*46.2	*	70.1	*50.7	*	*	*42.0
Asian only	*	*25.5	37.0	40.9	28.1	32.6	35.3	35.1
Native Hawaiian or Other Pacific Islander only	---	---	*	*	*	*	*	*
2 or more races	---	---	64.3	55.6	54.0	52.8	*39.3	*48.8
Hispanic origin and race <sup>4</sup>								
Hispanic or Latino	9.8	21.0	27.9	30.4	32.9	27.1	31.0	33.7
Mexican	12.9	*18.0	27.6	32.0	33.8	30.0	33.6	33.3
Not Hispanic or Latino	14.3	33.8	51.0	54.4	55.2	57.7	57.1	58.3
White only	15.1	35.6	53.1	56.8	57.8	60.4	59.6	60.9
Black or African American only	6.2	20.9	32.3	30.6	34.0	37.0	36.9	38.6
Percent of poverty level <sup>5</sup>								
Below 100%	11.2	26.9	40.5	40.6	43.2	42.6	47.7	42.5
100%–less than 200%	15.1	30.8	46.4	51.4	51.0	54.6	56.7	56.1
200% or more	15.0	36.6	52.6	56.2	57.1	59.2	56.5	59.7
Hispanic origin and race and percent of poverty level <sup>4,5</sup>								
Hispanic or Latino:								
Below 100%	*	*13.7	*22.4	23.8	25.0	20.1	23.8	31.8
100%–less than 200%	*11.0	*16.2	29.4	32.3	32.4	25.1	26.8	29.0
200% or more	*10.4	38.3	29.6	32.9	39.4	33.5	39.5	39.1
Not Hispanic or Latino:								
White only:								
Below 100%	13.4	32.3	48.7	47.9	53.4	51.5	57.5	50.6
100%–less than 200%	16.0	34.4	49.9	56.1	56.0	59.9	62.1	61.9
200% or more	15.6	37.2	54.8	58.3	59.0	61.8	58.9	61.9
Black or African American only:								
Below 100%	*5.0	20.6	27.4	28.8	30.5	27.8	35.1	27.0
100%–less than 200%	7.9	18.5	31.9	28.1	31.3	40.7	39.6	36.4
200% or more	*5.2	24.7	35.7	34.4	39.0	39.4	35.7	49.1
Geographic region								
Northeast	10.4	27.2	45.5	51.2	52.5	56.9	54.8	56.0
Midwest	13.7	30.6	52.3	52.6	57.3	55.8	57.1	59.5
South	14.9	34.5	47.5	51.3	52.4	54.2	55.1	57.2
West	17.9	39.8	55.4	59.7	54.6	59.3	55.7	53.7
Location of residence								
Within MSA <sup>6</sup>	13.1	32.7	49.9	52.4	53.3	56.3	56.0	56.7
Outside MSA <sup>6</sup>	17.1	33.9	49.0	55.4	56.4	55.3	54.3	57.3

See footnotes at end of table.

**Table 83 (page 3 of 3). Influenza and pneumococcal vaccination among adults 18 years of age and over, by selected characteristics: United States, selected years 1989–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

- - - Data not available.

<sup>1</sup> Respondents were asked, “During the past 12 months, have you had a flu shot? A flu shot is usually given in the fall and protects against influenza for the flu season.” Estimates exclude 1% of respondents who reported receiving Flu Mist.

<sup>2</sup> Estimates are age adjusted to the year 2000 standard population using four age groups: 18–49 years, 50–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>3</sup> Includes all other races not shown separately, unknown education, and, prior to 1990, unknown poverty status.

<sup>4</sup> The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup> Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Poverty status was unknown for 11% of persons 18 years of age and over in 1989. Missing family income data were imputed for 16% of persons 18 years of age and over in 1995, 27%–31% in 1997–1998, and 33%–36% in 1999–2004. See Appendix II, Family Income; Poverty.

<sup>6</sup> MSA is metropolitan statistical area.

<sup>7</sup> Respondents were asked, “Have you ever had a pneumonia shot? This shot is usually given only once or twice in a person’s lifetime and is different from the flu shot. It is also called the pneumococcal vaccine.”

NOTES: In 2000, the Advisory Committee on Immunization Practices (ACIP) of the Centers for Disease Control and Prevention (CDC) recommended universal influenza vaccination for persons 50 years of age and over (CDC. Prevention and control of influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 2000;49(RR03):1–38.) Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, sample adult questionnaire.

**Table 84 (page 1 of 2). Use of mammography among women 40 years of age and over, by selected characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1987</i>	<i>1990</i>	<i>1991</i>	<i>1994</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2003</i>
	Percent of women having a mammogram within the past 2 years <sup>1</sup>							
40 years and over, age adjusted <sup>2,3</sup> . . . . .	29.0	51.7	54.7	61.0	67.0	70.3	70.4	69.5
40 years and over, crude <sup>2</sup> . . . . .	28.7	51.4	54.6	60.9	66.9	70.3	70.4	69.7
<b>Age</b>								
40–49 years . . . . .	31.9	55.1	55.6	61.3	63.4	67.2	64.3	64.4
50–64 years . . . . .	31.7	56.0	60.3	66.5	73.7	76.5	78.7	76.2
65 years and over . . . . .	22.8	43.4	48.1	55.0	63.8	66.8	67.9	67.7
65–74 years . . . . .	26.6	48.7	55.7	63.0	69.4	73.9	74.0	74.6
75 years and over . . . . .	17.3	35.8	37.8	44.6	57.2	58.9	61.3	60.6
<b>Race<sup>4</sup></b>								
40 years and over, crude:								
White only . . . . .	29.6	52.2	55.6	60.6	67.4	70.6	71.4	70.1
Black or African American only . . . . .	24.0	46.4	48.0	64.3	66.0	71.0	67.8	70.4
American Indian or Alaska Native only . . . . .	*	43.2	54.5	65.8	45.2	63.0	47.4	63.1
Asian only . . . . .	*	46.0	45.9	55.8	60.2	58.3	53.5	57.6
Native Hawaiian or Other Pacific Islander only . . . . .	---	---	---	---	---	*	*	*
2 or more races . . . . .	---	---	---	---	---	70.2	69.2	65.3
<b>Hispanic origin and race<sup>4</sup></b>								
40 years and over, crude:								
Hispanic or Latino . . . . .	18.3	45.2	49.2	51.9	60.2	65.7	61.2	65.0
Not Hispanic or Latino . . . . .	29.4	51.8	54.9	61.5	67.5	70.7	71.1	70.1
White only . . . . .	30.3	52.7	56.0	61.3	68.0	71.1	72.2	70.5
Black or African American only . . . . .	23.8	46.0	47.7	64.4	66.0	71.0	67.9	70.5
<b>Age, Hispanic origin, and race<sup>4</sup></b>								
40–49 years:								
Hispanic or Latino . . . . .	*15.3	45.1	44.0	47.5	55.2	61.6	54.1	59.4
Not Hispanic or Latino:								
White only . . . . .	34.3	57.0	58.1	62.0	64.4	68.3	67.2	65.2
Black or African American only . . . . .	27.8	48.4	48.0	67.2	65.0	69.2	60.9	68.2
50–64 years:								
Hispanic or Latino . . . . .	23.0	47.5	61.7	60.1	67.2	69.7	66.5	69.4
Not Hispanic or Latino:								
White only . . . . .	33.6	58.1	61.5	67.5	75.3	77.9	80.6	77.2
Black or African American only . . . . .	26.4	48.4	52.4	63.6	71.2	75.0	77.7	76.2
65 years and over:								
Hispanic or Latino . . . . .	*	41.1	40.9	48.0	59.0	67.2	68.3	69.5
Not Hispanic or Latino:								
White only . . . . .	24.0	43.8	49.1	54.9	64.3	66.8	68.3	68.1
Black or African American only . . . . .	14.1	39.7	41.6	61.0	60.6	68.1	65.5	65.4
<b>Age and percent of poverty level<sup>5</sup></b>								
40 years and over, crude:								
Below 100% . . . . .	14.6	30.8	35.2	43.9	50.1	57.4	54.8	55.4
100%–less than 200% . . . . .	20.9	39.1	44.4	49.3	56.1	59.5	58.1	60.8
200% or more . . . . .	35.2	59.2	62.2	69.6	72.6	75.0	75.9	74.3
40–49 years:								
Below 100% . . . . .	18.6	32.2	33.0	44.3	44.8	51.3	47.4	50.6
100%–less than 200% . . . . .	18.4	39.0	43.8	50.9	46.9	52.8	43.6	54.0
200% or more . . . . .	36.8	60.1	61.2	67.4	68.4	71.6	69.9	68.3
50–64 years:								
Below 100% . . . . .	14.6	29.9	37.3	44.7	52.7	63.3	61.7	58.3
100%–less than 200% . . . . .	24.2	39.8	50.2	50.3	61.8	64.9	68.3	64.0
200% or more . . . . .	37.0	63.3	66.0	75.1	78.7	80.2	82.6	80.9
65 years and over:								
Below 100% . . . . .	13.1	30.8	35.2	43.2	51.9	57.6	54.8	57.0
100%–less than 200% . . . . .	19.9	38.6	41.8	47.9	57.8	60.2	60.3	62.8
200% or more . . . . .	29.7	51.5	57.8	64.9	70.1	72.5	75.0	72.6

See footnotes at end of table.

**Table 84 (page 2 of 2). Use of mammography among women 40 years of age and over by selected characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1987	1990	1991	1994	1998	1999	2000	2003
Health insurance status at the time of interview <sup>6</sup>		Percent of women having a mammogram within the past 2 years <sup>1</sup>						
40–64 years of age:								
Insured . . . . .	---	---	---	68.3	72.3	75.5	76.0	75.1
Private . . . . .	---	---	---	69.4	73.4	76.3	77.1	76.3
Medicaid . . . . .	---	---	---	54.5	59.7	62.5	61.7	63.5
Uninsured . . . . .	---	---	---	34.0	40.1	44.8	40.7	41.5
Health insurance status prior to interview <sup>6</sup>								
40–64 years of age:								
Insured continuously all 12 months . . . . .	---	---	---	68.6	73.0	76.1	76.8	75.6
Uninsured for any period up to 12 months . . . . .	---	---	---	49.9	47.6	57.1	53.0	56.0
Uninsured more than 12 months . . . . .	---	---	---	26.6	36.3	38.9	34.0	37.0
Age and education <sup>7</sup>								
40 years and over, crude:								
No high school diploma or GED . . . . .	17.8	36.4	40.0	48.2	54.5	56.7	57.7	58.1
High school diploma or GED . . . . .	31.3	52.7	55.8	61.0	66.7	69.2	69.7	67.8
Some college or more . . . . .	37.7	62.8	65.2	69.7	72.8	77.3	76.2	75.1
40–49 years of age:								
No high school diploma or GED . . . . .	15.1	38.5	40.8	50.4	47.3	48.8	46.8	53.3
High school diploma or GED . . . . .	32.6	53.1	52.0	55.8	59.1	60.8	59.0	60.8
Some college or more . . . . .	39.2	62.3	63.7	68.7	68.3	74.4	70.6	68.1
50–64 years of age:								
No high school diploma or GED . . . . .	21.2	41.0	43.6	51.6	58.8	62.3	66.5	63.4
High school diploma or GED . . . . .	33.8	56.5	60.8	67.8	73.3	77.2	76.6	71.8
Some college or more . . . . .	40.5	68.0	72.7	74.7	79.8	81.2	84.2	82.7
65 years of age and over:								
No high school diploma or GED . . . . .	16.5	33.0	37.7	45.6	54.7	56.6	57.4	56.9
High school diploma or GED . . . . .	25.9	47.5	54.0	59.1	66.8	68.4	71.8	69.7
Some college or more . . . . .	32.3	56.7	57.9	64.3	71.3	77.1	74.1	75.1

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

--- Data not available.

<sup>1</sup>Questions concerning use of mammography differed slightly on the National Health Interview Survey across the years for which data are shown. See Appendix II, Mammography.

<sup>2</sup>Includes all other races not shown separately, unknown poverty status in 1987, unknown health insurance status, and unknown education level.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using four age groups: 40–49 years, 50–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Poverty status was unknown for 11% of women 40 years of age and over in 1987. Missing family income data were imputed for 19%–23% of women 40 years of age and over in 1990–1994 and 35%–39% in 1998–2003. See Appendix II, Family income; Poverty.

<sup>6</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Starting in 1997 Medicaid includes state-sponsored health plans and State Children's Health Insurance Program (CHIP). In addition to private and Medicaid, the category insured also includes military plans, other government-sponsored health plans, and Medicare, not shown separately. See Appendix II, Health insurance coverage.

<sup>7</sup>Education categories shown are for 1998 and subsequent years. GED stands for General Educational Development high school equivalency diploma. In years prior to 1998 the following categories based on number of years of school completed were used: less than 12 years, 12 years, 13 years or more. See Appendix II, Education.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data starting in 1997 are not strictly comparable with data for earlier years due to the 1997 questionnaire redesign. See Appendix I, National Health Interview Survey. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the following supplements: cancer control (1987), health promotion and disease prevention (1990–1991), and year 2000 objectives (1993–1994). Starting in 1998, data are from the family core and sample adult questionnaires.

**Table 85 (page 1 of 2). Use of Pap smears among women 18 years of age and over, by selected characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

<i>Characteristic</i>	<i>1987</i>	<i>1993</i>	<i>1994</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2003</i>
	Percent of women having a Pap smear within the past 3 years <sup>1</sup>						
18 years and over, age adjusted <sup>2,3</sup> . . . . .	74.1	77.7	76.8	79.3	80.8	81.3	79.2
18 years and over, crude <sup>2</sup> . . . . .	74.4	77.7	76.8	79.1	80.8	81.2	79.0
Age							
18–44 years . . . . .	83.3	84.6	82.8	84.4	86.8	84.9	83.9
18–24 years . . . . .	74.8	78.8	76.6	73.6	76.8	73.5	75.1
25–44 years . . . . .	86.3	86.3	84.6	87.6	89.9	88.5	86.8
45–64 years . . . . .	70.5	77.2	77.4	81.4	81.7	84.6	81.3
45–54 years . . . . .	75.7	82.1	81.9	83.7	83.8	86.3	83.6
55–64 years . . . . .	65.2	70.6	71.0	78.0	78.4	82.0	77.8
65 years and over . . . . .	50.8	57.6	57.3	59.8	61.0	64.5	60.8
65–74 years . . . . .	57.9	64.7	64.9	67.0	70.0	71.6	70.1
75 years and over . . . . .	40.4	48.0	47.3	51.2	50.8	56.7	51.1
Race <sup>4</sup>							
18 years and over, crude:							
White only . . . . .	74.1	77.3	76.2	78.9	80.6	81.3	78.7
Black or African American only . . . . .	80.7	82.7	83.5	84.2	85.7	85.1	84.0
American Indian or Alaska Native only . . . . .	85.4	78.1	73.5	74.6	92.2	76.8	84.8
Asian only . . . . .	51.9	68.8	66.4	68.5	64.4	66.4	68.3
Native Hawaiian or Other Pacific Islander only . . . . .	---	---	---	---	*	*	*
2 or more races . . . . .	---	---	---	---	86.9	80.0	81.6
Hispanic origin and race <sup>4</sup>							
18 years and over, crude:							
Hispanic or Latino . . . . .	67.6	77.2	74.4	75.2	76.3	77.0	75.4
Not Hispanic or Latino . . . . .	74.9	77.8	77.0	79.6	81.3	81.7	79.5
White only . . . . .	74.7	77.3	76.5	79.3	81.0	81.8	79.3
Black or African American only . . . . .	80.9	82.7	83.8	84.2	86.0	85.1	83.8
Age, Hispanic origin, and race <sup>4</sup>							
18–44 years:							
Hispanic or Latino . . . . .	73.9	80.9	80.6	76.4	77.0	78.1	75.9
Not Hispanic or Latino:							
White only . . . . .	84.5	85.3	82.9	85.7	88.7	86.6	85.8
Black or African American only . . . . .	89.1	88.0	89.1	88.9	90.8	88.5	88.6
45–64 years:							
Hispanic or Latino . . . . .	57.7	75.8	70.1	78.3	79.5	77.8	77.9
Not Hispanic or Latino:							
White only . . . . .	71.2	77.2	77.5	81.7	81.9	85.9	81.4
Black or African American only . . . . .	76.2	80.3	82.2	84.1	84.6	85.7	84.7
65 years and over:							
Hispanic or Latino . . . . .	41.7	57.1	43.8	59.8	63.7	66.8	64.6
Not Hispanic or Latino:							
White only . . . . .	51.8	57.1	58.2	59.7	60.5	64.2	60.7
Black or African American only . . . . .	44.8	61.2	59.5	61.7	64.5	67.2	59.6
Age and percent of poverty level <sup>5</sup>							
18 years and over, crude:							
Below 100% . . . . .	64.3	70.6	70.5	69.8	73.6	72.0	70.5
100%–less than 200% . . . . .	68.2	71.9	70.2	70.6	72.5	73.4	71.4
200% or more . . . . .	80.0	82.8	82.9	83.5	84.3	85.0	83.0
18–44 years:							
Below 100% . . . . .	77.1	77.2	80.2	77.1	79.7	77.1	77.1
100%–less than 200% . . . . .	80.4	83.0	79.3	79.2	84.0	79.4	79.5
200% or more . . . . .	86.4	88.4	86.6	87.6	89.0	88.0	86.9
45–64 years:							
Below 100% . . . . .	53.6	65.3	65.7	67.6	73.1	73.6	66.0
100%–less than 200% . . . . .	60.4	64.4	69.1	69.9	70.4	76.1	71.4
200% or more . . . . .	74.9	81.6	82.8	85.1	84.6	87.4	85.1
65 years and over:							
Below 100% . . . . .	33.2	46.8	43.8	48.2	51.9	53.7	52.6
100%–less than 200% . . . . .	50.4	54.7	50.4	55.1	54.7	61.0	55.4
200% or more . . . . .	60.0	62.6	67.4	65.3	66.4	68.8	65.4

See footnotes at end of table.



**Table 85 (page 2 of 2). Use of Pap smears among women 18 years of age and over, by selected characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1987	1993	1994	1998	1999	2000	2003
Health insurance status at the time of interview <sup>6</sup>							
Percent of women having a Pap smear within the past 3 years <sup>1</sup>							
18–64 years of age, crude:							
Insured . . . . .	---	84.7	83.8	86.0	87.2	87.8	86.4
Private . . . . .	---	84.8	83.6	86.5	87.5	88.0	87.0
Medicaid . . . . .	---	82.7	86.2	83.0	84.2	85.8	82.8
Uninsured . . . . .	---	69.4	68.6	69.6	73.3	70.4	66.6
18–64 years of age, crude:							
Insured continuously all 12 months . . . . .	---	84.8	83.7	86.3	87.3	88.0	86.6
Uninsured for any period up to 12 months . . . . .	---	81.8	83.4	81.7	83.5	83.7	81.8
Uninsured more than 12 months . . . . .	---	65.1	63.6	64.0	68.8	65.1	60.2
Age and education <sup>7</sup>							
25 years and over, crude:							
No high school diploma or GED . . . . .	57.1	61.9	60.9	65.0	66.1	69.9	64.9
High school diploma or GED . . . . .	76.4	78.2	76.0	77.4	79.3	79.8	75.9
Some college or more . . . . .	84.0	84.4	85.2	86.9	87.8	88.0	86.2
25–44 years of age:							
No high school diploma or GED . . . . .	75.1	73.6	73.6	76.8	79.0	79.6	71.7
High school diploma or GED . . . . .	85.6	85.4	82.4	83.9	87.6	86.2	84.3
Some college or more . . . . .	90.1	89.8	89.1	91.5	93.0	91.4	90.8
45–64 years of age:							
No high school diploma or GED . . . . .	58.0	65.6	66.1	69.2	71.6	75.7	71.4
High school diploma or GED . . . . .	72.3	77.6	75.9	81.0	79.8	81.8	77.6
Some college or more . . . . .	80.1	83.0	84.7	85.5	85.7	89.1	86.2
65 years of age and over:							
No high school diploma or GED . . . . .	44.0	50.7	47.7	52.4	51.8	56.6	52.5
High school diploma or GED . . . . .	55.4	61.6	61.2	60.7	63.7	66.9	61.2
Some college or more . . . . .	59.4	62.3	66.5	67.9	68.8	69.8	67.8

\* Estimates are considered unreliable. Data not shown have a relative standard error greater than 30%.

--- Data not available.

<sup>1</sup>Questions concerning use of Pap smears differed slightly on the National Health Interview Survey across the years for which data are shown. See Appendix II, Pap smear.

<sup>2</sup>Includes all other races not shown separately, unknown poverty status in 1987, unknown health insurance status, and unknown education level.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Poverty status was unknown for 9% of women 18 years of age and over in 1987. Missing family income data were imputed for 17%–20% of women 18 years of age and over in 1990–1994 and 35%–39% in 1998–2003. See Appendix II, Family income; Poverty.

<sup>6</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Starting in 1997 Medicaid includes state-sponsored health plans and State Children's Health Insurance Program (CHIP). In addition to private and Medicaid, the category insured also includes military plans, other government-sponsored health plans, and Medicare, not shown separately. See Appendix II, Health insurance coverage.

<sup>7</sup>Education categories shown are for 1998 and subsequent years. GED stands for General Educational Development high school equivalency diploma. In years prior to 1998 the following categories based on number of years of school completed were used: less than 12 years, 12 years, 13 years or more. See Appendix II, Education.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data starting in 1997 are not strictly comparable with data for earlier years due to the 1997 questionnaire redesign. See Appendix I, National Health Interview Survey.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey. Data are from the following supplements: cancer control (1987), year 2000 objectives (1993–1994). Starting in 1998, data are from the family core and sample adult questionnaires.

**Table 87 (page 1 of 2). Emergency department visits within the past 12 months among adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more emergency department visits				2 or more emergency department visits			
	1997	2000	2003	2004	1997	2000	2003	2004
	Percent of adults with emergency department visit <sup>1</sup>							
All adults 18 years of age and over <sup>2,3</sup>	19.6	20.2	20.0	20.7	6.7	6.9	7.0	7.5
Age								
18–44 years	20.7	20.5	20.0	20.9	6.8	7.0	6.8	7.4
18–24 years	26.3	25.7	23.9	24.4	9.1	8.8	8.2	8.6
25–44 years	19.0	18.8	18.6	19.7	6.2	6.4	6.4	7.0
45–64 years	16.2	17.6	18.5	18.1	5.6	5.6	6.4	6.3
45–54 years	15.7	17.9	17.8	17.9	5.5	5.8	5.9	6.4
55–64 years	16.9	17.0	19.3	18.4	5.7	5.3	7.0	6.2
65 years and over	22.0	23.7	22.9	24.5	8.1	8.6	8.7	9.5
65–74 years	20.3	21.6	19.7	20.8	7.1	7.4	7.1	7.5
75 years and over	24.3	26.2	26.6	28.7	9.3	10.0	10.4	11.8
Sex <sup>3</sup>								
Male	19.1	18.7	18.2	19.3	5.9	5.7	5.6	6.5
Female	20.2	21.6	21.8	22.1	7.5	7.9	8.4	8.4
Race <sup>3,4</sup>								
White only	19.0	19.4	19.2	20.0	6.2	6.4	6.4	7.0
Black or African American only	25.9	26.5	27.8	27.0	11.1	10.8	12.4	11.2
American Indian or Alaska Native only	24.8	30.3	22.5	27.8	13.1	*12.6	*9.1	*12.6
Asian only	11.6	13.6	12.9	12.2	*2.9	*3.8	*3.5	4.1
Native Hawaiian or Other Pacific Islander only	---	*	*	*	---	*	*	*
2 or more races	---	32.5	25.2	31.5	---	11.3	11.1	14.4
American Indian or Alaska Native; White	---	33.9	29.7	32.1	---	*9.4	*15.1	*15.8
Hispanic origin and race <sup>3,4</sup>								
Hispanic or Latino	19.2	18.3	18.5	19.2	7.4	7.0	7.3	7.0
Mexican	17.8	17.4	17.0	17.1	6.4	7.1	6.4	5.9
Not Hispanic or Latino	19.7	20.6	20.3	21.1	6.7	6.9	7.0	7.6
White only	19.1	19.8	19.5	20.4	6.2	6.4	6.3	7.0
Black or African American only	25.9	26.5	27.7	27.2	11.0	10.8	12.3	11.3
Percent of poverty level <sup>3,5</sup>								
Below 100%	28.1	29.0	26.3	29.3	12.8	13.3	12.6	13.8
100%–less than 200%	23.8	23.9	23.2	23.6	9.3	9.6	9.9	9.5
200% or more	17.0	18.0	18.2	18.7	4.9	5.2	5.4	6.0
Hispanic origin and race and percent of poverty level <sup>3,4,5</sup>								
Hispanic or Latino:								
Below 100%	22.1	22.4	21.2	22.6	9.8	9.7	9.6	10.0
100%–less than 200%	19.2	18.1	17.6	20.2	8.1	6.7	7.3	7.1
200% or more	17.6	16.8	17.9	16.9	5.4	6.1	6.4	5.4
Not Hispanic or Latino:								
White only:								
Below 100%	29.5	30.1	27.0	30.2	13.0	13.9	12.7	14.1
100%–less than 200%	24.3	25.5	24.0	25.1	9.1	10.4	10.0	10.0
200% or more	16.8	17.7	17.8	18.6	4.8	5.0	5.0	5.9
Black or African American only:								
Below 100%	34.6	35.4	33.4	38.2	17.5	17.4	18.1	19.2
100%–less than 200%	29.2	28.5	31.2	28.5	12.8	12.2	15.7	12.1
200% or more	19.7	22.6	24.0	22.5	7.2	8.0	8.7	8.1
Health insurance status at the time of interview <sup>6,7</sup>								
18–64 years of age:								
Insured	18.8	19.5	19.7	20.1	6.1	6.4	6.7	6.9
Private	16.9	17.6	17.4	18.0	4.7	5.1	5.0	5.3
Medicaid	37.6	42.2	39.7	36.8	19.7	21.0	21.6	19.8
Uninsured	20.0	19.3	18.1	19.0	7.5	6.9	6.7	7.4
Health insurance status prior to interview <sup>6,7</sup>								
18–64 years of age:								
Insured continuously all 12 months	18.3	19.0	19.2	19.6	5.8	6.1	6.4	6.6
Uninsured for any period up to 12 months	25.5	28.2	25.7	25.3	9.4	10.3	10.0	10.3
Uninsured more than 12 months	18.9	17.3	16.8	17.9	7.1	6.4	6.3	7.2

See footnotes at end of table.

**Table 87 (page 2 of 2). Emergency department visits within the past 12 months among adults 18 years of age and over, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more emergency department visits				2 or more emergency department visits			
	1997	2000	2003	2004	1997	2000	2003	2004
Percent of poverty level and health insurance status prior to interview <sup>5,6,7</sup>		Percent of adults with emergency department visit <sup>1</sup>						
18–64 years of age:								
Below 100%:								
Insured continuously all 12 months . . . . .	30.2	31.6	29.4	32.1	14.7	15.4	14.6	15.9
Uninsured for any period up to 12 months . . .	34.1	43.7	30.8	35.1	16.1	18.1	15.0	16.2
Uninsured more than 12 months . . . . .	20.8	20.5	19.2	20.7	8.1	9.1	8.7	9.4
100%–less than 200%:								
Insured continuously all 12 months . . . . .	24.5	25.5	24.7	24.7	8.9	10.2	10.9	10.3
Uninsured for any period up to 12 months . . .	28.7	27.7	30.0	27.9	12.3	11.7	11.3	11.9
Uninsured more than 12 months . . . . .	19.0	17.4	16.7	17.8	8.3	6.4	6.7	6.5
200% or more:								
Insured continuously all 12 months . . . . .	16.0	17.0	17.2	17.6	4.4	4.7	4.8	5.1
Uninsured for any period up to 12 months . . .	20.2	22.9	22.4	20.9	5.3	7.0	7.7	7.5
Uninsured more than 12 months . . . . .	17.4	15.6	15.3	16.3	5.3	4.7	4.3	6.2
Geographic region <sup>3</sup>								
Northeast . . . . .	19.5	20.0	20.3	21.9	6.9	6.2	6.9	7.7
Midwest . . . . .	19.3	20.1	20.0	20.7	6.2	6.9	6.4	7.0
South . . . . .	20.9	21.2	20.9	21.4	7.3	7.6	8.1	8.1
West . . . . .	17.7	18.6	18.2	18.6	6.0	6.3	5.9	6.8
Location of residence <sup>3</sup>								
Within MSA <sup>8</sup> . . . . .	19.1	19.6	19.5	20.3	6.4	6.6	6.6	7.2
Outside MSA <sup>8</sup> . . . . .	21.5	22.5	22.3	22.6	7.8	7.8	8.6	8.4

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

--- Data not available.

<sup>1</sup>See Appendix II, Emergency department visit.

<sup>2</sup>Includes all other races not shown separately and unknown health insurance status.

<sup>3</sup>Estimates are for persons 18 years of age and over and are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>5</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 27%–31% of persons 18 years of age and over in 1997–1998 and 33%–36% in 1999–2004. See Appendix II, Family income; Poverty.

<sup>6</sup>Estimates for persons 18–64 years of age are age adjusted to the year 2000 Standard using three age groups: 18–44 years, 45–54 years, and 55–64 years of age. See Appendix II, Age adjustment.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Starting with 1997 data, Medicaid includes state-sponsored health plans and State Children's Health Insurance Program (SCHIP). In addition to private and Medicaid, the category insured also includes military plans, other government-sponsored health plans, and Medicare, not shown separately. See Appendix II, Health insurance coverage.

<sup>8</sup>MSA is metropolitan statistical area.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core and sample adult questionnaires.

**Table 88 (page 1 of 2). Injury-related visits to hospital emergency departments, by sex, age, and intent and mechanism of injury: United States, average annual 1995–1996, 1999–2000, and 2003–2004**

[Data are based on reporting by a sample of hospital emergency departments]

<i>Sex, age, and intent and mechanism of injury</i> <sup>1</sup>	1995–1996	1999–2000	2003–2004	1995–1996	1999–2000	2003–2004
Both sexes	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>2,3</sup> . . . . .	36,081	39,029	40,792	1,360.9	1,428.1	1,417.4
Male						
All ages <sup>2,3</sup> . . . . .	20,030	21,286	21,696	1,530.7	1,585.3	1,537.6
Under 18 years <sup>2</sup> . . . . .	6,238	6,364	6,226	1,720.2	1,722.2	1,668.0
Unintentional injuries <sup>4</sup> . . . . .	5,478	5,457	5,022	1,510.5	1,476.7	1,345.4
Falls . . . . .	1,402	1,303	1,362	386.5	352.6	365.0
Struck by or against objects or persons . . . . .	1,011	1,378	1,143	278.9	372.8	306.2
Motor vehicle traffic . . . . .	453	432	381	125.0	116.9	102.0
Cut or pierce . . . . .	493	455	405	136.0	123.2	108.6
Intentional injuries . . . . .	290	242	224	80.0	65.6	60.1
18–24 years <sup>2</sup> . . . . .	2,980	3,096	2,881	2,396.9	2,361.6	2,041.6
Unintentional injuries <sup>4</sup> . . . . .	2,423	2,416	1,992	1,948.7	1,842.7	1,412.0
Falls . . . . .	299	307	283	240.8	233.9	200.4
Struck by or against objects or persons . . . . .	387	405	364	311.0	308.6	257.8
Motor vehicle traffic . . . . .	347	469	407	279.4	357.5	288.7
Cut or pierce . . . . .	304	394	226	244.8	300.5	160.0
Intentional injuries . . . . .	335	322	309	269.2	245.9	219.2
25–44 years <sup>2</sup> . . . . .	7,245	7,251	6,914	1,767.4	1,796.9	1,661.3
Unintentional injuries <sup>4</sup> . . . . .	5,757	5,528	4,557	1,404.3	1,370.0	1,094.8
Falls . . . . .	817	850	861	199.4	210.8	206.8
Struck by or against objects or persons . . . . .	619	781	564	151.0	193.6	135.6
Motor vehicle traffic . . . . .	912	848	722	222.6	210.1	173.4
Cut or pierce . . . . .	860	764	615	209.8	189.4	147.7
Intentional injuries . . . . .	701	511	493	171.0	126.5	118.5
45–64 years <sup>2</sup> . . . . .	2,240	2,972	3,805	883.4	1,030.9	1,133.2
Unintentional injuries <sup>4</sup> . . . . .	1,845	2,325	2,403	727.6	806.7	715.9
Falls . . . . .	445	582	565	175.6	202.0	168.4
Struck by or against objects or persons . . . . .	186	232	268	73.3	80.6	79.7
Motor vehicle traffic . . . . .	244	316	375	96.3	109.6	111.7
Cut or pierce . . . . .	203	294	290	79.9	101.9	86.4
Intentional injuries . . . . .	86	99	142	33.8	34.3	42.2
65 years and over <sup>2</sup> . . . . .	1,327	1,603	1,871	1,000.7	1,158.7	1,280.6
Unintentional injuries <sup>4</sup> . . . . .	1,009	1,207	1,179	760.6	872.1	807.4
Falls . . . . .	505	579	644	380.9	418.1	440.6
Struck by or against objects or persons . . . . .	*39	112	74	*29.4	*80.7	50.3
Motor vehicle traffic . . . . .	99	114	121	74.7	*82.5	83.2
Cut or pierce . . . . .	*81	102	89	*61.1	74.0	60.9
Intentional injuries . . . . .	*	10	20	*	*	*13.9

See footnotes at end of table.

**Table 88 (page 2 of 2). Injury-related visits to hospital emergency departments, by sex, age, and intent and mechanism of injury: United States, average annual 1995–1996, 1999–2000, and 2003–2004**

[Data are based on reporting by a sample of hospital emergency departments]

<i>Sex, age, and intent and mechanism of injury</i> <sup>1</sup>	1995–1996	1999–2000	2003–2004	1995–1996	1999–2000	2003–2004
Female	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>2,3</sup> . . . . .	16,051	17,743	19,096	1,186.4	1,267.4	1,295.3
Under 18 years <sup>2</sup> . . . . .	4,372	4,443	4,609	1,263.9	1,259.0	1,291.8
Unintentional injuries <sup>4</sup> . . . . .	3,760	3,722	3,492	1,087.0	1,054.7	978.7
Falls . . . . .	1,040	1,025	1,092	300.7	290.6	306.0
Struck by or against objects or persons . . . . .	477	728	552	137.9	206.4	154.8
Motor vehicle traffic . . . . .	447	430	421	129.3	122.0	118.1
Cut or pierce . . . . .	253	232	219	73.0	65.7	61.3
Intentional injuries . . . . .	220	149	218	63.6	42.3	61.2
18–24 years <sup>2</sup> . . . . .	1,900	2,219	2,458	1,523.4	1,688.1	1,757.8
Unintentional injuries <sup>4</sup> . . . . .	1,430	1,579	1,548	1,146.7	1,200.9	1,106.8
Falls . . . . .	268	234	286	214.5	178.0	204.3
Struck by or against objects or persons . . . . .	134	170	203	107.4	129.6	145.2
Motor vehicle traffic . . . . .	373	469	468	298.8	357.1	334.5
Cut or pierce . . . . .	131	156	125	105.3	118.3	89.1
Intentional injuries . . . . .	239	219	251	191.7	166.8	179.5
25–44 years <sup>2</sup> . . . . .	5,098	5,584	5,636	1,205.8	1,332.7	1,322.5
Unintentional injuries <sup>4</sup> . . . . .	3,877	3,976	3,588	916.8	948.9	841.9
Falls . . . . .	817	947	890	193.3	225.9	208.9
Struck by or against objects or persons . . . . .	380	382	355	89.8	91.3	83.3
Motor vehicle traffic . . . . .	872	788	818	206.2	188.0	191.9
Cut or pierce . . . . .	338	434	309	79.8	103.5	72.5
Intentional injuries . . . . .	422	425	391	99.8	101.5	91.7
45–64 years <sup>2</sup> . . . . .	2,369	2,933	3,614	873.7	952.9	1,014.3
Unintentional injuries <sup>4</sup> . . . . .	1,857	2,180	2,375	685.2	708.2	666.6
Falls . . . . .	600	749	935	221.5	243.5	262.3
Struck by or against objects or persons . . . . .	160	192	187	58.8	62.3	52.4
Motor vehicle traffic . . . . .	343	324	399	126.5	105.2	111.9
Cut or pierce . . . . .	127	175	212	46.9	56.8	59.4
Intentional injuries . . . . .	*64	125	134	*23.5	40.5	37.6
65 years and over <sup>2</sup> . . . . .	2,313	2,564	2,779	1,256.1	1,367.8	1,399.3
Unintentional injuries <sup>4</sup> . . . . .	1,931	2,013	1,964	1,049.0	1,073.8	988.9
Falls . . . . .	1,230	1,219	1,345	667.9	650.4	677.4
Struck by or against objects or persons . . . . .	82	103	133	44.8	54.8	66.9
Motor vehicle traffic . . . . .	169	132	138	91.6	70.6	69.3
Cut or pierce . . . . .	*42	72	49	*22.7	*38.3	24.6
Intentional injuries . . . . .	*	20	10	*	*	*

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

<sup>1</sup>Intent and mechanism of injury are based on the first-listed external cause of injury code (E code). Intentional injuries include suicide attempts and assaults. See Appendix II, External cause of injury and Appendix II, Table VII for a listing of E codes.

<sup>2</sup>Includes all injury-related visits not shown separately in table including those with undetermined intent (0.6% in 2003–2004), insufficient or no information to code cause of injury (4.3% in 2003–2004), and resulting from adverse effects of medical treatment (20.7% in 2003–2004).

<sup>3</sup>Rates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–24 years, 25–44 years, 45–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>4</sup>Includes unintentional injury-related visits with mechanism of injury not shown in table.

NOTES: An emergency department visit was considered injury related if the checkbox for injury was indicated, the physician's diagnosis was injury related (ICD–9-CM 800–999), an external cause of injury code was present (ICD–9-CM E800–E999), or the patient's reason for the visit was injury related. Rates for 1995–2000 were computed using 1990-based postcensal estimates of the civilian noninstitutionalized population as of July 1, adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Starting with 2001 data, rates were computed using 2000-based postcensal estimates of the civilian noninstitutionalized population as of July 1. The difference between rates for 2000 computed using 1990-based postcensal estimates and rates computed using estimates based on 2000 census counts is minimal. Available from: [www.cdc.gov/nchs/about/major/ahcd/census2000.htm](http://www.cdc.gov/nchs/about/major/ahcd/census2000.htm). Rates will be overestimated to the extent that visits by institutionalized persons are counted in the numerator (for example, hospital emergency department visits by nursing home residents) and institutionalized persons are omitted from the denominator. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey.

**Table 89 (page 1 of 3). Visits to physician offices and hospital outpatient and emergency departments, by selected characteristics: United States, selected years 1995–2004**

[Data are based on reporting by a sample of office-based physicians and hospital outpatient and emergency departments]

Age, sex, and race	All places <sup>1</sup>				Physician offices			
	1995	2002	2003	2004	1995	2002	2003	2004
Number of visits in thousands								
Total . . . . .	860,859	1,157,798	1,114,504	1,106,067	697,082	964,304	906,023	910,857
Under 18 years . . . . .	194,644	238,571	223,724	220,605	150,351	188,933	169,392	171,459
18–44 years . . . . .	285,184	337,681	331,015	314,993	219,065	263,672	251,853	241,305
45–64 years . . . . .	188,320	308,627	301,558	307,736	159,531	267,249	257,258	264,103
45–54 years . . . . .	104,891	169,871	164,431	160,023	88,266	145,767	138,634	135,082
55–64 years . . . . .	83,429	138,756	137,126	147,712	71,264	121,482	118,624	129,020
65 years and over . . . . .	192,712	272,919	258,206	262,734	168,135	244,451	227,520	233,991
65–74 years . . . . .	102,605	132,116	120,655	126,802	90,544	118,971	106,424	113,426
75 years and over . . . . .	90,106	140,802	137,552	135,931	77,591	125,479	121,096	120,565
Number of visits per 100 persons								
Total, age adjusted <sup>2</sup> . . . . .	334	410	391	383	271	342	317	315
Total, crude . . . . .	329	409	390	384	266	341	317	316
Under 18 years . . . . .	275	328	307	302	213	260	232	235
18–44 years . . . . .	264	306	301	285	203	239	229	219
45–64 years . . . . .	364	466	442	438	309	404	377	376
45–54 years . . . . .	339	427	406	388	286	367	343	327
55–64 years . . . . .	401	525	494	511	343	459	428	446
65 years and over . . . . .	612	804	753	758	534	720	664	675
65–74 years . . . . .	560	733	667	696	494	660	588	623
75 years and over . . . . .	683	884	850	827	588	788	748	734
Sex and age								
Male, age adjusted <sup>2</sup> . . . . .	290	353	338	334	232	293	273	274
Male, crude . . . . .	277	343	329	326	220	283	264	266
Under 18 years . . . . .	273	329	317	307	209	262	241	239
18–44 years . . . . .	190	214	203	187	139	161	147	136
45–54 years . . . . .	275	351	335	334	229	298	280	280
55–64 years . . . . .	351	448	422	457	300	393	365	398
65–74 years . . . . .	508	703	632	672	445	631	558	604
75 years and over . . . . .	711	850	881	860	616	762	777	771
Female, age adjusted <sup>2</sup> . . . . .	377	465	442	431	309	388	360	355
Female, crude . . . . .	378	472	449	439	310	396	368	363
Under 18 years . . . . .	277	327	297	296	217	258	223	230
18–44 years . . . . .	336	397	397	382	265	316	309	300
45–54 years . . . . .	400	500	475	439	339	433	403	373
55–64 years . . . . .	446	596	561	561	382	521	486	490
65–74 years . . . . .	603	757	696	717	534	684	613	638
75 years and over . . . . .	666	905	830	806	571	804	730	710
Race and age <sup>3</sup>								
White, age adjusted <sup>2</sup> . . . . .	339	421	399	389	282	359	332	327
White, crude . . . . .	338	426	404	396	281	364	337	334
Under 18 years . . . . .	295	346	330	320	237	282	260	257
18–44 years . . . . .	267	317	308	289	211	256	242	228
45–54 years . . . . .	334	439	409	391	286	385	352	336
55–64 years . . . . .	397	534	500	514	345	476	439	456
65–74 years . . . . .	557	734	653	685	496	669	582	619
75 years and over . . . . .	689	880	844	832	598	790	747	743
Black or African American, age adjusted . . . . .	309	427	393	420	204	301	261	298
Black or African American, crude . . . . .	281	392	365	391	178	269	236	271
Under 18 years . . . . .	193	307	248	267	100	198	131	165
18–44 years . . . . .	260	316	329	336	158	191	199	213
45–54 years . . . . .	387	422	445	453	281	306	315	338
55–64 years . . . . .	414	563	487	596	294	421	349	455
65–74 years . . . . .	553	842	761	847	429	*687	602	703
75 years and over . . . . .	534	*1,019	774	833	395	*842	608	666

See footnotes at end of table.



**Table 89 (page 2 of 3). Visits to physician offices and hospital outpatient and emergency departments, by selected characteristics: United States, selected years 1995–2004**

[Data are based on reporting by a sample of office-based physicians and hospital outpatient and emergency departments]

Age, sex, and race	Hospital outpatient departments				Hospital emergency departments			
	1995	2002	2003	2004	1995	2002	2003	2004
Number of visits in thousands								
Total . . . . .	67,232	83,339	94,578	84,994	96,545	110,155	113,903	110,216
Under 18 years . . . . .	17,636	21,707	25,412	22,003	26,657	27,932	28,920	27,144
18–44 years . . . . .	24,299	28,216	32,714	27,853	41,820	45,792	46,449	45,835
45–64 years . . . . .	14,811	21,436	23,307	22,127	13,978	19,943	20,992	21,506
45–54 years . . . . .	8,029	12,054	12,937	11,784	8,595	12,050	12,861	13,156
55–64 years . . . . .	6,782	9,382	10,370	10,342	5,383	7,892	8,132	8,349
65 years and over . . . . .	10,486	11,980	13,144	13,011	14,090	16,488	17,542	15,732
65–74 years . . . . .	6,004	6,386	7,077	7,157	6,057	6,759	7,153	6,219
75 years and over . . . . .	4,482	5,595	6,067	5,854	8,033	9,728	10,389	9,513
Number of visits per 100 persons								
Total, age adjusted <sup>2</sup> . . . . .	26	29	33	29	37	39	40	39
Total, crude . . . . .	26	29	33	30	37	39	40	38
Under 18 years . . . . .	25	30	35	30	38	38	40	37
18–44 years . . . . .	22	26	30	25	39	42	42	42
45–64 years . . . . .	29	32	34	32	27	30	31	31
45–54 years . . . . .	26	30	32	29	28	30	32	32
55–64 years . . . . .	33	36	37	36	26	30	29	29
65 years and over . . . . .	33	35	38	38	45	49	51	45
65–74 years . . . . .	33	35	39	39	33	38	40	34
75 years and over . . . . .	34	35	38	36	61	61	64	58
Sex and age								
Male, age adjusted <sup>2</sup> . . . . .	21	24	27	24	37	37	39	36
Male, crude . . . . .	21	23	26	24	36	37	38	36
Under 18 years . . . . .	25	28	34	30	40	39	41	38
18–44 years . . . . .	14	16	19	15	37	37	37	36
45–54 years . . . . .	20	25	25	23	26	29	30	31
55–64 years . . . . .	26	28	29	30	25	28	29	28
65–74 years . . . . .	29	34	34	34	34	38	41	34
75 years and over . . . . .	34	31	38	34	61	58	67	56
Female, age adjusted <sup>2</sup> . . . . .	31	35	40	35	37	41	42	41
Female, crude . . . . .	31	35	40	35	37	41	42	41
Under 18 years . . . . .	25	31	36	30	35	38	38	36
18–44 years . . . . .	31	35	41	35	40	46	47	47
45–54 years . . . . .	32	36	39	34	29	32	33	33
55–64 years . . . . .	38	43	45	41	26	32	30	30
65–74 years . . . . .	36	36	44	44	32	37	39	34
75 years and over . . . . .	34	38	37	37	61	63	63	59
Race and age <sup>3</sup>								
White, age adjusted <sup>2</sup> . . . . .	23	27	30	27	34	36	38	35
White, crude . . . . .	23	27	30	27	34	36	37	35
Under 18 years . . . . .	23	28	32	28	35	36	38	35
18–44 years . . . . .	20	23	27	23	36	38	39	38
45–54 years . . . . .	23	27	28	26	25	27	29	28
55–64 years . . . . .	28	31	33	31	24	27	28	26
65–74 years . . . . .	29	30	35	35	32	35	36	32
75 years and over . . . . .	31	31	35	33	60	59	62	56
Black or African American, age adjusted . . . . .	48	55	61	53	58	71	71	70
Black or African American, crude . . . . .	45	53	60	50	58	70	69	69
Under 18 years . . . . .	39	46	55	42	53	63	61	60
18–44 years . . . . .	38	46	54	44	64	79	77	79
45–54 years . . . . .	55	57	65	50	51	59	65	65
55–64 years . . . . .	73	78	86	83	47	65	53	58
65–74 years . . . . .	*77	87	83	82	47	68	77	62
75 years and over . . . . .	66	85	64	*81	73	92	103	86

See footnotes at end of table.



**Table 89 (page 3 of 3). Visits to physician offices and hospital outpatient and emergency departments, by selected characteristics: United States, selected years 1995–2004**

[Data are based on reporting by a sample of office-based physicians and hospital outpatient and emergency departments]

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20%–30%.

<sup>1</sup>All places includes visits to physician offices and hospital outpatient and emergency departments.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Starting with 1999 data, the instruction for the race item on the Patient Record Form was changed so that more than one race could be recorded. In previous years only one race could be checked. Estimates for race in this table are for visits where only one race was recorded. Because of the small number of responses with more than one racial group checked, estimates for visits with multiple races checked are unreliable and are not presented.

NOTES: Rates for 1995–2000 were computed using 1990-based postcensal estimates of the civilian noninstitutionalized population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Starting with 2001 data, rates were computed using 2000-based postcensal estimates of the civilian noninstitutionalized population as of July 1. The difference between rates for 2000 computed using 1990-based postcensal estimates and 2000 census counts is minimal. More information is available from: [www.cdc.gov/nchs/about/major/ahcd/census2000.htm](http://www.cdc.gov/nchs/about/major/ahcd/census2000.htm). Starting with *Health, United States, 2005*, data for 2001 and later years for physician offices use a revised weighting scheme. See Appendix I, National Ambulatory Medical Care Survey. Rates will be overestimated to the extent that visits by institutionalized persons are counted in the numerator (for example, hospital emergency department visits by nursing home residents) and institutionalized persons are omitted from the denominator. Data for additional years are available. See Appendix III.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey.

**Table 90 (page 1 of 2). Visits to primary care generalist and specialist physicians, by selected characteristics and type of physician: United States, selected years 1980–2004**

[Data are based on reporting by a sample of office-based physicians]

Age, sex, and race	Type of primary care generalist physician <sup>1</sup>											
	All primary care generalists				General and family practice				Internal medicine			
	1980	1990	2000	2004	1980	1990	2000	2004	1980	1990	2000	2004
Percent of all physician office visits												
Total . . . . .	66.2	63.6	58.9	56.7	33.5	29.9	24.1	22.5	12.1	13.8	15.3	16.1
Under 18 years . . . . .	77.8	79.5	79.7	75.8	26.1	26.5	19.9	15.8	2.0	2.9	*	*
18–44 years . . . . .	65.3	65.2	62.1	63.2	34.3	31.9	28.2	26.3	8.6	11.8	12.7	15.5
45–64 years . . . . .	60.2	55.5	51.2	51.1	36.3	32.1	26.4	25.9	19.5	18.6	20.1	20.8
45–54 years . . . . .	60.2	55.6	52.3	53.1	37.4	32.0	27.8	28.6	17.1	17.1	18.7	19.4
55–64 years . . . . .	60.2	55.5	49.9	48.9	35.4	32.1	24.7	23.1	21.8	20.0	21.7	22.3
65 years and over . . . . .	61.6	52.6	46.5	42.4	37.5	28.1	20.2	19.6	22.7	23.3	24.5	21.9
65–74 years . . . . .	61.2	52.7	46.6	41.6	37.4	28.1	19.7	19.0	22.1	23.0	24.5	21.5
75 years and over . . . . .	62.3	52.4	46.4	43.2	37.6	28.0	20.8	20.2	23.5	23.7	24.5	22.3
Sex and age												
Male:												
Under 18 years . . . . .	77.3	78.1	77.7	74.6	25.6	24.1	18.3	15.1	2.0	3.0	*	*
18–44 years . . . . .	50.8	51.8	51.5	51.4	38.0	35.9	34.2	31.8	11.5	15.0	14.4	18.5
45–64 years . . . . .	55.6	50.6	49.4	49.5	34.4	31.0	28.7	26.2	20.5	19.2	19.8	23.1
65 years and over . . . . .	58.2	51.2	43.1	37.8	35.6	27.7	19.3	17.5	22.3	23.3	23.8	20.3
Female:												
Under 18 years . . . . .	78.5	81.1	82.0	77.1	26.6	29.1	21.7	16.4	2.0	2.8	*	*
18–44 years . . . . .	72.1	71.3	67.2	68.5	32.5	30.0	25.3	23.8	7.3	10.3	11.9	14.2
45–64 years . . . . .	63.4	58.8	52.5	52.2	37.7	32.8	24.9	25.7	18.9	18.2	20.2	19.2
65 years and over . . . . .	63.9	53.5	48.9	45.9	38.7	28.3	20.9	21.2	22.9	23.3	25.0	23.1
Race and age <sup>2</sup>												
White:												
Under 18 years . . . . .	77.6	79.2	78.5	75.0	26.4	27.1	21.2	16.0	2.0	2.3	*	*
18–44 years . . . . .	64.8	64.4	61.4	60.9	34.5	31.9	29.2	27.5	8.6	10.6	11.0	12.9
45–64 years . . . . .	59.6	54.2	49.3	49.7	36.0	31.5	27.3	26.1	19.2	17.6	17.1	19.3
65 years and over . . . . .	61.4	51.9	45.1	41.0	36.6	27.5	20.3	20.0	23.3	23.1	23.0	20.1
Black or African American:												
Under 18 years . . . . .	79.9	85.5	87.3	77.9	23.7	20.2	*	*16.7	*2.2	9.8	*	*
18–44 years . . . . .	68.5	68.3	65.0	75.0	31.7	31.9	22.0	22.0	9.0	18.1	20.9	27.0
45–64 years . . . . .	66.1	61.6	61.7	58.5	38.6	31.2	23.3	24.7	22.6	26.9	35.9	*29.1
65 years and over . . . . .	64.6	58.6	52.8	54.6	49.0	28.9	*18.5	*18.6	14.2	28.7	33.4	34.8

See footnotes at end of table.

**Table 90 (page 2 of 2). Visits to primary care generalist and specialist physicians, by selected characteristics and type of physician: United States, selected years 1980–2004**

[Data are based on reporting by a sample of office-based physicians]

Age, sex, and race	Type of primary care generalist physician <sup>1</sup>											
	Obstetrics and gynecology				Pediatrics				Specialty care physicians			
	1980	1990	2000	2004	1980	1990	2000	2004	1980	1990	2000	2004
Percent of all physician office visits												
Total . . . . .	9.6	8.7	7.8	7.1	10.9	11.2	11.7	11.1	33.8	36.4	41.1	43.3
Under 18 years . . . . .	1.3	1.2	*1.1	*1.0	48.5	48.9	57.3	57.5	22.2	20.5	20.3	24.2
18–44 years . . . . .	21.7	20.8	20.4	20.6	0.7	0.7	*0.9	*0.8	34.7	34.8	37.9	36.8
45–64 years . . . . .	4.2	4.6	4.5	4.1	*	*	*	*	39.8	44.5	48.8	48.9
45–54 years . . . . .	5.6	6.3	5.6	4.9	*	*	*	*	39.8	44.4	47.7	46.9
55–64 years . . . . .	2.9	3.1	3.3	3.3	*	*	*	*	39.8	44.5	50.1	51.1
65 years and over . . . . .	1.4	1.1	1.5	*0.9	*	*	*	*	38.4	47.4	53.5	57.6
65–74 years . . . . .	1.7	1.6	2.0	*1.1	*	*	*	*	38.8	47.3	53.4	58.4
75 years and over . . . . .	1.0	*0.6	*1.0	*0.7	*	*	*	*	37.7	47.6	53.6	56.8
Sex and age												
Male:												
Under 18 years . . . . .	...	...	...	...	49.4	50.7	58.0	57.7	22.7	21.9	22.3	25.4
18–44 years . . . . .	...	...	...	...	1.0	0.7	*1.7	*	49.2	48.2	48.5	48.6
45–64 years . . . . .	...	...	...	...	*	*	*	*	44.4	49.4	50.6	50.5
65 years and over . . . . .	...	...	...	...	*	*	*	*	41.8	48.8	56.9	62.2
Female:												
Under 18 years . . . . .	2.5	2.3	2.1	*2.2	47.4	46.9	56.5	57.3	21.5	18.9	18.0	22.9
18–44 years . . . . .	31.7	30.4	29.6	29.9	0.6	0.7	*	*	27.9	28.7	32.8	31.5
45–64 years . . . . .	6.7	7.7	7.3	7.1	*	*	*	*	36.6	41.2	47.5	47.8
65 years and over . . . . .	2.1	1.8	2.6	*1.6	*	*	*	*	36.1	46.5	51.1	54.1
Race and age <sup>2</sup>												
White:												
Under 18 years . . . . .	1.1	1.0	*1.2	0.8	48.2	48.8	54.7	56.8	22.4	20.8	21.5	25.0
18–44 years . . . . .	21.0	21.1	20.4	19.6	0.7	0.7	*0.8	*0.8	35.2	35.6	38.6	39.1
45–64 years . . . . .	4.1	4.8	4.7	4.2	*	*	*	*	40.4	45.8	50.7	50.3
65 years and over . . . . .	1.4	1.2	1.5	*0.9	*	*	*	*	38.6	48.1	54.9	59.0
Black or African American:												
Under 18 years . . . . .	2.8	*3.4	*	*	51.2	52.1	75.0	58.4	20.1	14.5	*12.7	*
18–44 years . . . . .	27.1	17.9	20.7	*25.5	*	*	*	*	31.5	31.7	35.0	25.0
45–64 years . . . . .	4.8	3.5	*2.4	*	*	*	*	*	33.9	38.4	38.3	41.5
65 years and over . . . . .	*	*	*	*	*	*	*	0.0	35.4	41.4	47.2	45.4

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have a RSE of greater than 30%.

... Category not applicable.

<sup>1</sup>Type of physician is based on physician's self-designated primary area of practice. Primary care generalist physicians are defined as practitioners in the fields of general and family practice, general internal medicine, general obstetrics and gynecology, and general pediatrics and exclude primary care specialists. Primary care generalists in general and family practice exclude primary care specialties, such as sports medicine and geriatrics. Primary care internal medicine physicians exclude internal medicine specialists, such as allergists, cardiologists, and endocrinologists. Primary care obstetrics and gynecology physicians exclude obstetrics and gynecology specialties, such as gynecological oncology, maternal and fetal medicine, general obstetrics and gynecology critical care medicine, and reproductive endocrinology. Primary care pediatricians exclude pediatric specialists, such as adolescent medicine specialists, neonatologists, pediatric allergists, and pediatric cardiologists. See Appendix II, Physician specialty.

<sup>2</sup>Starting with 1999 data, the instruction for the race item on the Patient Record Form was changed so that more than one race could be recorded. In previous years only one racial category could be checked. Estimates for racial groups presented in this table are for visits where only one race was recorded. Because of the small number of responses with more than one racial group checked, estimates for visits with multiple races checked are unreliable and are not presented.

NOTES: This table presents data on visits to physician offices and excludes visits to other sites, such as hospital outpatient and emergency departments. In 1980 the survey excluded Alaska and Hawaii. Data for all other years include all 50 states. Visits with specialty of physician unknown are excluded. Starting with *Health, United States, 2005*, data for 2001 and later years for physician offices use a revised weighting scheme. See Appendix I, National Ambulatory Medical Care Survey. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Ambulatory Medical Care Survey.

**Table 91 (page 1 of 2). Dental visits in the past year, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	2 years of age and over <sup>1</sup>			2–17 years of age			18–64 years of age			65 years of age and over <sup>2</sup>		
	1997	2003	2004	1997	2003	2004	1997	2003	2004	1997	2003	2004
Percent of persons with a dental visit in the past year <sup>3</sup>												
Total <sup>4</sup> . . . . .	64.9	66.3	65.9	72.7	75.0	76.4	64.1	64.8	64.0	54.8	58.0	56.3
Sex												
Male . . . . .	62.6	63.6	63.4	72.3	74.1	75.1	60.4	60.9	60.5	55.4	58.4	57.1
Female . . . . .	67.2	68.9	68.3	73.0	75.9	77.7	67.7	68.6	67.4	54.4	57.7	55.8
Race <sup>5</sup>												
White only . . . . .	66.5	67.5	67.1	74.0	76.0	77.3	65.7	65.9	65.2	56.8	59.8	58.6
Black or African American only . . . . .	56.5	58.4	57.4	68.8	70.5	72.5	57.0	58.1	56.9	35.4	38.7	33.6
American Indian or Alaska Native only . . . . .	51.5	59.9	62.8	66.8	69.9	70.3	49.9	58.0	63.4	*	*49.2	*32.2
Asian only . . . . .	61.8	65.1	65.4	69.9	72.9	73.8	60.3	63.6	64.2	53.9	57.4	58.1
Native Hawaiian or Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*	---	*	*
2 or more races . . . . .	---	61.6	59.1	---	74.5	78.0	---	59.6	58.4	---	51.0	*28.7
Black or African American; White American Indian or Alaska Native; White . . . . .	---	63.6	57.6	---	71.3	72.6	---	60.3	61.0	---	*80.7	*
White . . . . .	---	50.0	53.0	---	52.8	78.9	---	53.7	49.1	---	*	*
Hispanic origin and race <sup>5</sup>												
Hispanic or Latino . . . . .	52.9	52.4	52.7	61.0	64.5	65.3	50.8	48.3	49.6	47.8	46.0	42.5
Not Hispanic or Latino . . . . .	66.4	68.6	68.1	74.7	77.3	78.9	65.7	67.4	66.3	55.2	58.7	57.2
White only . . . . .	68.2	70.5	69.9	76.4	79.4	80.9	67.5	69.3	68.1	57.2	60.9	59.8
Black or African American only . . . . .	56.5	58.5	57.7	68.8	70.6	72.9	56.9	58.3	57.3	35.3	38.3	33.3
Percent of poverty level <sup>6</sup>												
Below 100% . . . . .	47.7	48.2	47.0	62.0	65.8	65.5	46.9	44.5	44.5	31.5	37.1	30.7
100%–less than 200% . . . . .	50.6	52.3	51.9	62.5	66.6	69.0	48.3	49.1	47.6	40.8	43.6	43.2
200% or more . . . . .	72.5	73.4	73.0	80.1	80.8	82.2	71.2	72.0	71.3	65.9	67.8	66.4
Hispanic origin and race and percent of poverty level <sup>5,6</sup>												
Hispanic or Latino:												
Below 100% . . . . .	42.1	42.0	42.5	55.9	62.1	61.9	39.2	35.5	38.3	33.6	33.2	29.8
100%–less than 200% . . . . .	46.4	45.5	45.5	53.8	59.1	59.1	43.5	40.8	41.7	47.9	39.4	37.7
200% or more . . . . .	64.9	62.7	62.8	73.7	71.6	74.2	62.3	59.4	60.4	58.8	60.7	55.4
Not Hispanic or Latino:												
White only:												
Below 100% . . . . .	50.6	52.8	50.9	64.4	69.1	68.7	50.6	50.4	48.7	32.0	39.9	33.4
100%–less than 200% . . . . .	52.9	55.8	54.8	66.1	69.6	73.5	50.4	52.8	50.0	42.2	45.9	45.6
200% or more . . . . .	73.9	75.6	75.0	81.3	83.2	84.3	72.7	74.2	73.2	67.0	69.1	68.5
Black or African American only:												
Below 100% . . . . .	47.7	45.1	45.1	66.1	66.7	68.2	46.2	40.8	42.3	27.7	27.6	21.5
100%–less than 200% . . . . .	46.9	52.0	49.8	61.2	69.1	70.5	46.3	50.6	46.4	26.9	29.3	29.4
200% or more . . . . .	66.0	66.7	66.5	77.1	74.5	77.7	66.1	67.2	67.0	49.8	51.9	45.0

See footnotes at end of table.

**Table 91 (page 2 of 2). Dental visits in the past year, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	2 years of age and over <sup>1</sup>			2–17 years of age			18–64 years of age			65 years of age and over <sup>2</sup>		
	1997	2003	2004	1997	2003	2004	1997	2003	2004	1997	2003	2004
Geographic region												
Percent of persons with a dental visit in the past year <sup>3</sup>												
Northeast . . . . .	69.6	72.4	71.9	77.5	81.5	82.0	69.6	71.4	71.0	55.5	61.1	58.4
Midwest . . . . .	68.3	68.8	69.3	76.4	77.6	78.8	67.4	67.6	68.4	57.6	58.8	57.1
South . . . . .	60.0	61.4	60.3	68.0	70.7	72.7	59.4	59.6	57.6	49.0	53.3	51.4
West. . . . .	64.9	66.7	66.5	71.5	74.1	75.4	62.9	64.7	64.0	61.9	62.8	62.5
Location of residence												
Within MSA <sup>7</sup> . . . . .	66.5	67.9	67.3	73.6	75.5	76.5	65.7	66.5	65.6	57.6	61.3	59.4
Outside MSA <sup>7</sup> . . . . .	59.1	60.0	60.3	69.3	72.9	76.0	58.0	57.9	57.4	46.1	46.7	46.0

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

-- Data not available.

<sup>1</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: 2–17 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Based on 1997–2004 National Health Interview Surveys, it was estimated that 25%–30% of persons 65 years of age and over were edentulous (having lost all their natural teeth). In 1997–2004 about 68%–70% of older dentate persons compared with 16%–20% of older edentate persons had a dental visit in the past year.

<sup>3</sup>Respondents were asked “About how long has it been since you last saw or talked to a dentist?” See Appendix II, Dental visit.

<sup>4</sup>Includes all other races not shown separately.

<sup>5</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>6</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Missing family income data were imputed for 25%–29% of persons in 1997–1998 and 32%–35% in 1999–2004. See Appendix II, Family income; Poverty.

<sup>7</sup>MSA is metropolitan statistical area.

NOTES: In 1997 the National Health Interview Survey questionnaire was redesigned. See Appendix I, National Health Interview Survey. Standard errors for selected years are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, sample child and sample adult questionnaires.

**Table 92 (page 1 of 3). Selected prescription and nonprescription drugs recorded during physician office visits and hospital outpatient department visits, by sex and age: United States, 1995–1996 and 2003–2004**

[Data are based on a sample of visit records from physician offices and hospital outpatient departments]

Age group and National Drug Code (NDC) therapeutic class <sup>1</sup> (common reasons for use)	Total		Male		Female	
	1995–1996	2003–2004	1995–1996	2003–2004	1995–1996	2003–2004
All ages			Visits with at least one drug per 100 population <sup>2</sup>			
Drug visits <sup>3</sup> . . . . .	189.8	226.4	156.5	190.3	221.5	260.9
			Number of drugs per 100 population <sup>4</sup>			
Total number of drugs <sup>5</sup> . . . . .	400.3	604.3	321.1	502.1	475.6	701.9
Antidepressants (depression and related disorders) . . . . .	13.8	30.2	9.1	20.0	18.2	40.0
NSAID <sup>6</sup> (pain relief) . . . . .	19.9	30.1	16.0	25.4	23.7	34.7
Antiasthmatics/bronchodilators (asthma, breathing) . . . . .	13.0	24.7	11.7	21.4	14.3	27.9
Hyperlipidemia (high cholesterol) . . . . .	5.4	23.7	5.4	24.0	5.4	23.4
Hypertension control drugs, not otherwise specified (high blood pressure) . . . . .	6.0	23.6	4.1	20.5	7.8	26.6
Nonnarcotic analgesics (pain relief) . . . . .	14.4	23.6	13.0	21.9	15.7	25.3
Antihistamines (allergies) . . . . .	13.7	22.7	10.8	17.3	16.4	27.9
Acid/peptic disorders (gastrointestinal reflux, ulcers) . . . . .	12.0	21.4	9.8	18.3	14.1	24.3
Blood glucose/sugar regulators (diabetes) . . . . .	9.5	19.8	8.6	19.1	10.4	20.6
Vitamins/minerals (dietary supplements) . . . . .	9.2	16.8	3.4	10.3	14.8	23.1
ACE inhibitors (high blood pressure, heart disease) . . . . .	9.6	16.8	9.0	16.5	10.2	17.0
Narcotic analgesics (pain relief) . . . . .	11.2	16.7	10.3	13.4	12.2	19.9
Diuretics (high blood pressure, heart disease) . . . . .	10.2	16.6	7.8	13.4	12.6	19.6
Penicillins (bacterial infections) . . . . .	16.6	13.1	15.5	12.6	17.7	13.6
Estrogens/progestins (menopause, hot flashes) . . . . .	...	...	...	...	19.8	14.9
Under 18 years			Visits with at least one drug per 100 population <sup>2</sup>			
Drug visits <sup>3</sup> . . . . .	153.9	170.4	152.3	175.2	155.6	165.4
			Number of drugs per 100 population <sup>4</sup>			
Total number of drugs <sup>5</sup> . . . . .	261.3	326.0	255.6	333.9	267.3	317.7
Penicillins (bacterial infections) . . . . .	37.2	29.2	36.4	29.9	38.0	28.4
Antiasthmatics/bronchodilators (asthma, breathing) . . . . .	13.4	27.2	14.8	29.5	11.9	24.8
Antihistamines (allergies) . . . . .	17.5	25.0	16.7	23.3	18.4	26.9
NSAID <sup>6</sup> (pain relief) . . . . .	7.4	14.6	6.9	15.0	7.9	14.2
Nonnarcotic analgesics (pain relief) . . . . .	12.1	13.0	10.4	12.5	13.9	13.5
Cephalosporins (bacterial infections) . . . . .	18.1	12.4	18.8	12.6	17.3	12.2
Erythromycins/lincosamides (infections) . . . . .	10.2	11.3	11.0	11.0	9.4	11.6
Nasal corticosteroid inhalants (asthma, breathing, allergies) . . . . .	3.5	10.4	3.5	11.0	3.5	9.8
Antitussives/expectorants (cough and cold, congestion) . . . . .	11.8	9.5	11.0	8.8	12.7	10.2
Anorexiant/CNS stimulants (attention deficit disorder, hyperactivity) . . . . .	3.9	8.5	5.6	12.9	2.1	4.0
Nasal decongestants (congestion) . . . . .	14.0	8.5	12.4	8.1	15.7	8.8
Antidepressants (depression and related disorders) . . . . .	1.9	8.0	1.9	9.1	1.9	6.8
18–44 years			Visits with at least one drug per 100 population <sup>2</sup>			
Drug visits <sup>3</sup> . . . . .	136.2	154.0	90.9	102.3	180.4	204.9
			Number of drugs per 100 population <sup>4</sup>			
Total number of drugs <sup>5</sup> . . . . .	251.0	327.4	168.8	221.6	331.2	431.4
Antidepressants (depression and related disorders) . . . . .	14.0	26.9	9.3	16.9	18.5	36.8
NSAID <sup>6</sup> (pain relief) . . . . .	16.7	21.5	14.5	16.7	18.8	26.2
Antihistamines (allergies) . . . . .	10.8	16.8	7.5	10.9	14.1	22.5
Narcotic analgesics (pain relief) . . . . .	11.7	15.2	10.8	10.9	12.7	19.5
Antiasthmatics/bronchodilator (asthma, breathing) . . . . .	6.8	11.9	3.3	7.1	10.2	16.5
Vitamins/minerals (dietary supplements) . . . . .	11.8	11.2	1.1	2.1	22.2	20.3
Acid/peptic disorders (gastrointestinal reflux, ulcers) . . . . .	6.6	9.6	5.3	8.3	7.9	11.0
Erythromycins/lincosamides (infections) . . . . .	7.5	8.4	5.4	5.6	9.5	11.1
Penicillins (bacterial infections) . . . . .	9.5	7.9	7.0	5.9	11.9	9.9
Nonnarcotic analgesics (pain relief) . . . . .	6.0	7.9	4.5	5.7	7.4	10.1
Antitussives/expectorants (cough and cold, congestion) . . . . .	7.7	7.9	5.8	4.9	9.5	10.8
Nasal corticosteroid inhalants (asthma, breathing, allergies) . . . . .	4.7	7.3	3.3	5.5	6.1	9.0
Contraceptive agents (prevent pregnancy) . . . . .	...	...	...	...	13.4	19.8

See footnotes at end of table.

**Table 92 (page 2 of 3). Selected prescription and nonprescription drugs recorded during physician office visits and hospital outpatient department visits, by sex and age: United States, 1995–1996 and 2003–2004**

[Data are based on a sample of visit records from physician offices and hospital outpatient departments]

Age group and National Drug Code (NDC) therapeutic class <sup>1</sup> (common reasons for use)	Total		Male		Female	
	1995–1996	2003–2004	1995–1996	2003–2004	1995–1996	2003–2004
45–64 years						
Drug visits <sup>3</sup>	222.4	274.7	185.0	232.5	257.4	314.5
Visits with at least one drug per 100 population <sup>2</sup>						
Number of drugs per 100 population <sup>4</sup>						
Total number of drugs <sup>5</sup>	505.1	794.6	403.2	662.9	600.4	918.7
Antidepressants (depression and related disorders)	23.5	48.1	14.9	30.8	31.5	64.5
Hyperlipidemia (high cholesterol)	10.4	42.2	12.0	45.5	8.8	39.0
NSAID <sup>6</sup> (pain relief)	30.3	41.7	23.9	36.3	36.4	46.9
Hypertension control drugs, not otherwise specified (high blood pressure)	9.4	39.8	6.9	38.3	11.7	41.1
Blood glucose/sugar regulators (diabetes)	17.7	35.9	16.7	36.6	18.7	35.2
Acid/peptic disorders (gastrointestinal reflux, ulcers)	19.8	33.4	18.3	29.1	21.3	37.4
Antiasthmatics/bronchodilators (asthma, breathing)	14.4	31.1	11.4	23.6	17.1	38.1
Nonnarcotic analgesics (pain relief)	16.3	29.0	15.6	29.5	17.0	28.5
Narcotic analgesics (pain relief)	17.5	27.8	17.0	25.3	18.0	30.2
ACE inhibitors (high blood pressure, heart disease)	16.8	26.6	17.7	26.8	16.0	26.5
Antihistamines (allergies)	13.5	25.9	9.1	17.5	17.7	33.8
Diuretics (high blood pressure, heart disease)	13.5	23.1	11.2	19.2	15.7	26.7
Beta blockers (high blood pressure, heart disease)	10.6	22.2	10.0	20.2	11.2	24.0
Calcium channel blockers (high blood pressure, heart disease)	19.3	18.8	19.9	18.6	18.8	19.0
Estrogens/progestins (menopause, hot flashes)	...	...	...	...	55.7	30.4
65 years and over						
Drug visits <sup>3</sup>	399.4	479.9	378.1	461.7	414.7	493.3
Visits with at least one drug per 100 population <sup>2</sup>						
Number of drugs per 100 population <sup>4</sup>						
Total number of drugs <sup>5</sup>	1,047.4	1,697.5	956.9	1,612.5	1,112.5	1,760.1
Hypertension control drugs, not otherwise specified (high blood pressure)	29.1	100.2	22.7	91.6	33.8	106.4
Hyperlipidemia (high cholesterol)	24.7	99.8	25.1	110.8	24.5	91.7
Nonnarcotic analgesics (pain relief)	44.9	85.5	49.0	89.0	42.0	82.9
Diuretics (high blood pressure, heart disease)	55.2	81.6	48.5	76.9	60.0	85.0
ACE inhibitors (high blood pressure, heart disease)	42.6	74.4	41.2	84.5	43.6	67.0
Blood glucose/sugar regulators (diabetes)	37.5	74.1	38.0	82.0	37.1	68.2
Acid/peptic disorders (gastrointestinal reflux, ulcers)	42.2	72.3	36.0	67.8	46.6	75.6
Beta blockers (high blood pressure, heart disease)	25.5	71.9	23.6	72.9	26.8	71.2
NSAID <sup>6</sup> (pain relief)	41.8	67.4	31.9	59.1	49.0	73.5
Calcium channel blockers (high blood pressure, heart disease)	57.3	57.5	52.2	53.3	60.9	60.6
Vitamins/minerals (dietary supplements)	17.1	54.5	13.1	44.2	20.0	62.1
Antidepressants (depression and related disorders)	23.5	52.1	16.7	35.1	28.5	64.7
Antiasthmatics/bronchodilators (asthma, breathing)	31.3	47.9	37.1	48.6	27.0	47.3
Anticoagulants/thrombolytics (blood thinning, reduce or prevent blood clots)	20.7	45.0	24.0	53.0	18.3	39.2
Estrogens/progestins (menopause, hot flashes)	...	...	...	...	37.1	29.9
65–74 years						
Drug visits <sup>3</sup>	362.8	428.5	323.0	399.3	394.9	452.9
Visits with at least one drug per 100 population <sup>2</sup>						
Number of drugs per 100 population <sup>4</sup>						
Total number of drugs <sup>5</sup>	930.5	1,452.9	804.7	1,370.4	1,032.1	1,522.1
Hyperlipidemia (high cholesterol)	27.3	96.6	27.1	107.4	27.4	87.6
Hypertension control drugs, not otherwise specified (high blood pressure)	24.8	82.5	19.2	69.0	29.3	93.8
Blood glucose/sugar regulators (diabetes)	35.7	73.5	32.4	81.9	38.4	66.4
Nonnarcotic analgesics (pain relief)	38.0	70.9	40.5	75.6	35.9	66.9
NSAID <sup>6</sup> (pain relief)	42.0	65.1	31.2	56.9	50.8	72.0
Acid/peptic disorders (gastrointestinal reflux, ulcers)	38.7	64.0	30.6	60.4	45.2	67.0
ACE inhibitors (high blood pressure, heart disease)	37.1	61.8	35.6	72.1	38.3	53.3
Diuretics (high blood pressure, heart disease)	40.0	59.5	32.3	56.7	46.3	61.8
Beta blockers (high blood pressure, heart disease)	23.7	59.4	20.7	59.4	26.1	59.4
Calcium channel blockers (high blood pressure, heart disease)	48.9	51.3	46.2	43.8	51.2	57.5
Antidepressants (depression and related disorders)	22.7	48.1	14.2	33.6	29.6	60.3
Antiasthmatics/bronchodilators (asthma, breathing)	31.1	46.8	33.0	43.6	29.5	49.5
Vitamins/minerals (dietary supplements)	14.1	41.7	10.1	38.9	17.4	44.1
Antihistamines (allergies)	14.7	35.1	12.3	28.8	16.6	40.3
Estrogens/progestins (menopause, hot flashes)	...	...	...	...	47.5	37.9

See footnotes at end of table.



**Table 92 (page 3 of 3). Selected prescription and nonprescription drugs recorded during physician office visits and hospital outpatient department visits, by sex and age: United States, 1995–1996 and 2003–2004**

[Data are based on a sample of visit records from physician offices and hospital outpatient departments]

Age group and National Drug Code (NDC) therapeutic class <sup>1</sup> (common reasons for use)	Total		Male		Female	
	1995–1996	2003–2004	1995–1996	2003–2004	1995–1996	2003–2004
75 years and over	Visits with at least one drug per 100 population <sup>2</sup>					
Drug visits <sup>3</sup> . . . . .	449.2	537.1	466.3	543.2	438.7	533.3
	Number of drugs per 100 population <sup>4</sup>					
Total number of drugs <sup>5</sup> . . . . .	1,206.8	1,969.8	1,200.9	1,928.8	1,210.4	1,995.8
Hypertension control drugs, not otherwise specified (high blood pressure) . . . . .	35.1	119.8	28.4	121.1	39.2	119.0
Diuretics (high blood pressure, heart disease) . . . . .	75.8	106.2	74.5	103.3	76.6	108.1
Hyperlipidemia (high cholesterol) . . . . .	21.3	103.4	21.8	115.2	21.0	95.9
Nonnarcotic analgesics (pain relief) . . . . .	54.4	101.8	62.6	106.5	49.4	98.8
ACE inhibitors (high blood pressure, heart disease) . . . . .	50.2	88.3	50.2	100.6	50.1	80.5
Beta blockers (high blood pressure, heart disease) . . . . .	27.9	85.8	28.3	90.5	27.6	82.8
Acid/peptic disorders (gastrointestinal reflux, ulcers) . . . . .	47.0	81.5	44.7	77.4	48.3	84.1
Blood glucose/sugar regulators (diabetes) . . . . .	39.8	74.7	46.9	82.1	35.5	70.1
NSAID <sup>6</sup> (pain relief) . . . . .	41.5	69.9	33.1	61.9	46.7	74.9
Vitamins/minerals (dietary supplements) . . . . .	21.2	68.7	18.0	51.1	23.2	79.9
Calcium channel blockers (high blood pressure, heart disease) . . . . .	68.6	64.5	61.8	65.8	72.7	63.7
Anticoagulants/thrombolytics (blood thinning, reduce or prevent blood clots) . . . . .	28.6	62.3	34.9	75.3	24.7	54.1
Antidepressants (depression and related disorders) . . . . .	24.6	56.6	20.7	37.0	27.0	69.0
Antiasthmatics/bronchodilators (asthma, breathing) . . . . .	31.5	49.0	43.7	55.1	24.0	45.2
Thyroid/antithyroid (hyper- and hypothyroidism) . . . . .	27.1	47.1	15.1	30.2	34.4	57.7

. . . Category not applicable.

<sup>1</sup>The National Drug Code (NDC) therapeutic class is a general therapeutic or pharmacological classification scheme for drug products reported to the Food and Drug Administration (FDA) under the provisions of the Drug Listing Act. See Appendix II, National Drug Code (NDC) Directory therapeutic class; table XII.

<sup>2</sup>Estimated number of drug visits during the 2-year period divided by the sum of population estimates for both years times 100.

<sup>3</sup>Drug visits are physician office and hospital outpatient department visits in which at least one prescription or nonprescription drug was recorded on the patient record form.

<sup>4</sup>Estimated number of drugs recorded during visits during the 2-year period divided by the sum of population estimates for both years times 100.

<sup>5</sup>Until 2002, up to six prescription and nonprescription medications were recorded on the patient record form. Starting with 2003 data, up to eight prescription and nonprescription medications are recorded on the patient record form. If 2003–2004 data were restricted to six instead of eight drugs, the 2003–2004 total drug rate for all ages would be 5.5% lower. See Appendix II, Drug.

<sup>6</sup>NSAID is nonsteroidal anti-inflammatory drug. Aspirin was not included as an NSAID in this analysis. See Appendix II, National Drug Classification (NDC) therapeutic class.

NOTE: Drugs recorded on the patient record form are those prescribed, continued, administered, or provided during a physician office or hospital outpatient department visit.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey.

**Table 93. Prescription drug use in the past month by sex, age, race and Hispanic origin: United States, 1988–1994 and 1999–2002**

[Data are based on a sample of the civilian noninstitutionalized population]

Sex and age	Not Hispanic or Latino							
	All persons <sup>1</sup>		White only <sup>2</sup>		Black or African American only <sup>2</sup>		Mexican <sup>2,3</sup>	
	1988–94	1999–2002	1988–94	1999–2002	1988–94	1999–2002	1988–94	1999–2002
Percent of population with at least one prescription drug in past month								
Both sexes, age adjusted <sup>4</sup>	39.1	45.3	41.1	48.9	36.9	40.1	31.7	31.7
Male	32.7	39.9	34.2	43.1	31.1	35.4	27.5	25.8
Female	45.0	50.4	47.6	54.5	41.4	43.8	36.0	37.8
Both sexes, crude	37.8	45.1	41.4	50.9	31.2	36.0	24.0	23.7
Male	30.6	38.7	33.5	43.9	25.5	30.8	20.1	18.8
Female	44.6	51.2	48.9	57.6	36.2	40.6	28.1	28.9
Under 18 years	20.5	24.2	22.9	27.6	14.8	18.6	16.1	15.9
18–44 years	31.3	35.9	34.3	41.3	27.8	28.5	21.1	19.2
45–64 years	54.8	64.1	55.5	66.1	57.5	62.3	48.1	49.3
65 years and over	73.6	84.7	74.0	85.4	74.5	81.1	67.7	72.0
Male:								
Under 18 years	20.4	26.2	22.3	30.6	15.5	19.8	16.3	16.2
18–44 years	21.5	27.1	23.5	31.2	21.1	21.5	14.9	13.0
45–64 years	47.2	55.6	48.1	57.4	48.2	54.0	43.8	36.4
65 years and over	67.2	80.1	67.4	81.0	64.4	78.1	61.3	66.8
Female:								
Under 18 years	20.6	22.0	23.6	24.4	14.2	17.3	16.0	15.6
18–44 years	40.7	44.6	44.7	51.7	33.4	34.2	28.1	26.2
45–64 years	62.0	72.0	62.6	74.7	64.4	69.0	52.2	62.4
65 years and over	78.3	88.1	78.8	88.8	81.3	83.1	73.0	76.3
Percent of population with three or more prescription drugs in past month								
Both sexes, age adjusted <sup>4</sup>	11.8	17.7	12.4	18.9	12.6	16.5	9.0	11.2
Male	9.4	14.8	9.9	15.9	10.2	14.4	7.0	9.5
Female	13.9	20.4	14.6	21.7	14.3	18.0	11.0	12.9
Both sexes, crude	11.0	17.6	12.5	20.5	9.2	13.4	4.8	6.1
Male	8.3	13.9	9.5	16.4	7.0	10.9	3.4	4.8
Female	13.6	21.1	15.4	24.5	11.1	15.6	6.4	7.5
Under 18 years	2.4	4.1	3.2	4.9	1.5	2.5	*1.2	2.1
18–44 years	5.7	8.4	6.3	10.1	5.4	6.5	3.0	2.7
45–64 years	20.0	30.8	20.9	31.6	21.9	31.1	16.0	20.7
65 years and over	35.3	51.6	35.0	52.5	41.2	50.1	31.3	39.5
Male:								
Under 18 years	2.6	4.3	3.3	5.2	1.7	3.0	*	1.9
18–44 years	3.6	6.7	4.1	8.4	4.2	4.4	*1.8	*1.7
45–64 years	15.1	23.5	15.8	24.0	18.7	26.3	11.6	18.2
65 years and over	31.3	46.0	30.9	47.0	31.7	48.2	27.6	34.2
Female:								
Under 18 years	2.3	3.9	3.0	4.7	*1.2	*2.0	*1.5	2.2
18–44 years	7.6	10.2	8.5	11.9	6.4	8.3	4.3	4.0
45–64 years	24.7	37.4	25.8	39.1	24.3	35.0	20.3	23.3
65 years and over	38.2	55.7	38.0	56.6	47.7	51.3	34.5	44.0

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

<sup>1</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

<sup>2</sup>Starting with data year 1999 race-specific estimates are tabulated according to the 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The two non-Hispanic race categories shown in the table conform to the 1997 Standards.

Starting with 1999 data, race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, estimates were tabulated according to the 1977 Standards. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. See Appendix II, Hispanic origin; Race.

<sup>3</sup>Persons of Mexican origin may be of any race.

<sup>4</sup>Age adjusted to the 2000 standard population using four age groups: Under 18 years, 18–44 years, 45–64 years, and 65 years and over. Age-adjusted estimates in this table may differ from other age-adjusted estimates based on the same data and presented elsewhere if different age groups are used in the adjustment procedure. See Appendix II, Age adjustment.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey.

**Table 95 (page 1 of 3). Persons with hospital stays in the past year, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more hospital stays <sup>1</sup>				2 or more hospital stays <sup>1</sup>			
	1997	2002	2003	2004	1997	2002	2003	2004
	Percent							
Total, 1 year of age and over <sup>2,3</sup>	7.8	7.8	7.7	7.4	1.8	1.9	1.8	1.8
Age								
1–17 years	2.8	2.6	2.5	2.4	0.5	0.5	0.4	0.4
1–5 years	3.9	3.7	3.7	4.0	0.7	0.7	0.7	0.9
6–17 years	2.3	2.2	2.0	1.7	0.4	0.4	0.3	0.3
18–44 years	7.4	7.1	7.1	7.0	1.2	1.3	1.1	1.2
18–24 years	7.9	6.7	7.2	6.6	1.3	1.1	1.1	0.8
25–44 years	7.3	7.3	7.1	7.1	1.2	1.3	1.1	1.4
45–64 years	8.2	8.2	8.7	8.1	2.2	2.2	2.4	2.2
45–54 years	6.9	7.0	7.4	7.1	1.7	1.8	1.9	1.9
55–64 years	10.2	10.0	10.6	9.4	2.9	2.7	3.2	2.7
65 years and over	18.0	19.1	18.2	17.4	5.4	5.9	5.6	5.7
65–74 years	16.1	16.2	15.2	14.5	4.8	5.1	4.5	4.6
75 years and over	20.4	22.4	21.6	20.7	6.2	6.9	6.9	6.8
1–64 years of age								
Total, 1–64 years of age <sup>2,4</sup>	6.3	6.1	6.2	5.9	1.3	1.3	1.2	1.2
Sex								
Male	4.5	4.3	4.4	4.1	1.0	0.9	1.0	0.9
1–17 years	2.9	2.9	2.5	2.5	0.6	0.5	0.4	0.5
18–44 years	3.6	3.3	3.4	3.3	0.6	0.6	0.6	0.7
45–54 years	6.0	5.9	6.7	6.0	1.4	1.4	1.9	1.5
55–64 years	11.1	10.2	10.9	9.3	3.0	2.7	3.1	2.5
Female	8.0	7.9	7.9	7.7	1.6	1.6	1.5	1.6
1–17 years	2.6	2.4	2.4	2.2	0.5	0.4	0.5	0.4
18–44 years	11.2	10.9	10.8	10.6	1.8	1.9	1.6	1.8
45–54 years	7.6	8.0	8.0	8.1	2.0	2.3	1.8	2.2
55–64 years	9.4	9.9	10.3	9.5	2.9	2.7	3.3	2.9
Race <sup>4,5</sup>								
White only	6.2	6.0	6.1	5.9	1.2	1.2	1.2	1.2
Black or African American only	7.6	7.6	7.4	6.8	1.9	2.0	1.8	1.8
American Indian or Alaska Native only	7.6	7.3	8.2	6.7	*	*	*	*1.6
Asian only	3.9	3.2	3.9	3.8	*0.5	*	*0.4	*0.4
Native Hawaiian or Other Pacific Islander only	---	*	*	*	---	*	*	*
2 or more races	---	8.2	8.2	6.9	---	*2.9	*2.4	*1.4
Hispanic origin and race <sup>4,5</sup>								
Hispanic or Latino	6.8	5.8	5.9	5.5	1.3	1.3	1.3	1.1
Not Hispanic or Latino	6.2	6.2	6.2	6.0	1.3	1.3	1.2	1.3
White only	6.1	6.1	6.2	6.0	1.2	1.2	1.2	1.2
Black or African American only	7.5	7.5	7.4	6.8	1.9	2.0	1.8	1.9
Percent of poverty level <sup>4,6</sup>								
Below 100%	10.3	9.0	8.8	9.2	2.8	2.6	2.5	2.9
100%–less than 200%	7.3	7.5	7.4	6.9	1.7	1.9	1.8	1.7
200% or more	5.3	5.4	5.5	5.2	0.9	1.0	0.9	0.9
Hispanic origin and race and percent of poverty level <sup>4,5,6</sup>								
Hispanic or Latino:								
Below 100%	9.1	8.0	7.6	7.2	2.0	1.7	2.1	1.7
100%–less than 200%	5.9	6.2	6.0	5.3	1.0	1.7	1.5	1.1
200% or more	5.8	4.7	5.1	5.0	1.1	1.0	0.8	0.8
Not Hispanic or Latino:								
White only:								
Below 100%	10.7	9.2	8.8	10.1	3.2	2.7	2.4	3.3
100%–less than 200%	7.7	7.8	8.1	7.7	1.8	1.9	1.9	2.0
200% or more	5.3	5.5	5.5	5.3	0.9	0.9	0.9	0.9
Black or African American only:								
Below 100%	11.4	10.5	10.7	11.0	3.3	3.7	3.4	3.8
100%–less than 200%	8.0	8.4	7.7	7.5	2.1	2.1	1.7	2.3
200% or more	5.5	6.2	6.1	5.1	1.2	1.4	1.3	1.0

See footnotes at end of table.

**Table 95 (page 2 of 3). Persons with hospital stays in the past year, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more hospital stays <sup>1</sup>				2 or more hospital stays <sup>1</sup>			
	1997	2002	2003	2004	1997	2002	2003	2004
Health insurance status at the time of interview <sup>4,7</sup>								
	Percent							
Insured . . . . .	6.6	6.4	6.6	6.3	1.3	1.4	1.3	1.3
Private . . . . .	5.6	5.5	5.6	5.4	1.0	1.0	0.9	0.9
Medicaid . . . . .	16.1	15.1	15.6	14.0	4.9	4.9	4.6	4.8
Uninsured . . . . .	4.8	4.7	4.4	4.1	1.0	0.9	0.9	0.8
Health insurance status prior to interview <sup>4,7</sup>								
Insured continuously all 12 months . . . . .	6.5	6.3	6.5	6.2	1.3	1.3	1.3	1.3
Uninsured for any period up to 12 months . . . . .	8.5	7.6	8.0	7.6	1.8	1.7	1.7	1.6
Uninsured more than 12 months . . . . .	3.8	3.9	3.5	3.1	0.8	0.8	0.8	0.6
Percent of poverty level and health insurance status prior to interview <sup>4,6,7</sup>								
Below 100%:								
Insured continuously all 12 months . . . . .	12.4	10.2	10.7	11.5	3.7	3.3	3.2	3.9
Uninsured for any period up to 12 months . . . . .	13.7	12.3	11.1	11.5	3.4	*3.3	*2.6	*2.8
Uninsured more than 12 months . . . . .	4.9	5.0	4.3	3.9	1.0	*1.0	1.2	*1.0
100%–less than 200%:								
Insured continuously all 12 months . . . . .	8.5	8.5	8.7	8.2	2.0	2.2	2.2	2.2
Uninsured for any period up to 12 months . . . . .	9.3	8.8	9.9	8.5	*1.9	*2.4	*1.9	*1.8
Uninsured more than 12 months . . . . .	3.8	4.2	3.5	3.0	*0.7	*0.7	*0.7	*0.6
200% or more:								
Insured continuously all 12 months . . . . .	5.5	5.6	5.7	5.4	0.9	1.0	0.9	0.9
Uninsured for any period up to 12 months . . . . .	5.9	5.5	5.9	5.9	*1.1	1.0	1.2	*1.1
Uninsured more than 12 months . . . . .	3.0	2.8	2.9	2.6	*0.6	*	*0.5	*0.5
Geographic region <sup>4</sup>								
Northeast . . . . .	6.0	5.9	5.6	5.2	1.2	1.2	1.1	1.1
Midwest . . . . .	6.5	6.6	6.1	5.9	1.5	1.3	1.3	1.3
South . . . . .	6.8	6.6	7.0	6.7	1.4	1.5	1.5	1.5
West . . . . .	5.4	5.1	5.3	5.2	0.8	1.0	0.9	1.0
Location of residence <sup>4</sup>								
Within MSA <sup>8</sup> . . . . .	6.1	5.9	6.0	5.7	1.2	1.2	1.2	1.2
Outside MSA <sup>8</sup> . . . . .	7.0	7.2	7.1	6.9	1.6	1.5	1.5	1.6
65 years of age and over								
All persons 65 years of age and over <sup>2,9</sup> . . . . .	18.1	19.1	18.3	17.5	5.4	5.9	5.6	5.7
65–74 years . . . . .	16.1	16.2	15.2	14.5	4.8	5.1	4.5	4.6
75 years and over . . . . .	20.4	22.4	21.6	20.7	6.2	6.9	6.9	6.8
Sex <sup>9</sup>								
Male . . . . .	19.0	20.4	18.6	18.3	5.8	6.7	5.7	5.9
Female . . . . .	17.5	18.2	18.0	16.9	5.1	5.4	5.6	5.6
Hispanic origin and race <sup>5,9</sup>								
Hispanic or Latino . . . . .	17.3	17.7	18.2	18.2	6.2	5.0	6.5	5.5
Not Hispanic or Latino . . . . .	18.2	19.2	18.3	17.4	5.4	6.0	5.6	5.7
White only . . . . .	18.3	19.5	18.3	17.4	5.4	6.1	5.4	5.7
Black or African American only . . . . .	18.9	18.9	20.1	18.5	5.5	6.6	7.6	5.7
Percent of poverty level <sup>4,6</sup>								
Below 100% . . . . .	20.9	23.4	21.1	19.7	6.4	7.3	7.3	7.9
100%–less than 200% . . . . .	19.6	19.6	19.1	18.1	6.5	6.5	5.9	5.8
200% or more . . . . .	17.1	18.2	17.5	17.0	4.9	5.5	5.3	5.3
Geographic region <sup>9</sup>								
Northeast . . . . .	17.2	18.6	17.2	16.2	5.1	5.3	5.3	4.9
Midwest . . . . .	18.2	20.5	18.2	18.8	5.6	6.5	4.9	6.3
South . . . . .	19.4	19.9	20.1	18.3	6.1	6.5	6.3	6.5
West . . . . .	16.5	16.5	15.8	15.5	4.4	4.9	5.5	4.3

See footnotes at end of table.

**Table 95 (page 3 of 3). Persons with hospital stays in the past year, by selected characteristics: United States, selected years 1997–2004**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	1 or more hospital stays <sup>1</sup>				2 or more hospital stays <sup>1</sup>			
	1997	2002	2003	2004	1997	2002	2003	2004
Location of residence <sup>9</sup>	Percent							
Within MSA <sup>8</sup> . . . . .	17.8	18.7	17.9	17.1	5.2	5.6	5.6	5.6
Outside MSA <sup>8</sup> . . . . .	19.1	20.4	19.6	18.7	6.3	7.0	5.6	5.8

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

--- Data not available.

<sup>1</sup>These estimates exclude hospitalizations for institutionalized persons and those who died while hospitalized. See Appendix II, Hospital utilization.

<sup>2</sup>Includes all other races not shown separately and unknown health insurance status.

<sup>3</sup>Estimates for all persons are age adjusted to the year 2000 standard population using six age groups: 1–17 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years of age and over. See Appendix II, Age adjustment.

<sup>4</sup>Estimates are for persons 1–64 years of age and are age adjusted to the year 2000 standard population using four age groups: 1–17 years, 18–44 years, 45–54 years, and 55–64 years of age. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and 2 or more races, include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. Starting with 1999 data, race-specific estimates are tabulated according to the 1997 Revisions to the Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. The five single race categories plus multiple race categories shown in the table conform to the 1997 Standards. Starting with 1999 data, race-specific estimates are for persons who reported only one racial group; the category 2 or more races includes persons who reported more than one racial group. Prior to 1999, data were tabulated according to the 1977 Standards with four racial groups and the Asian only category included Native Hawaiian or Other Pacific Islander. Estimates for single race categories prior to 1999 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. Starting with 2003 data, race responses of other race and unspecified multiple race were treated as missing, and then race was imputed if these were the only race responses. Almost all persons with a race response of other race were of Hispanic origin. See Appendix II, Hispanic origin; Race.

<sup>6</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. Poverty status was unknown for 11% of persons 18 years of age and over in 1989. Missing family income data were imputed for 24%–28% of persons 1–64 years of age in 1997–1998 and 30%–33% in 1999–2004; and 36%–41% of persons 65 years of age and over in 1997–1998 and 43%–47% in 1999–2004. See Appendix II, Family income; Poverty.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Starting in 1997, Medicaid includes state-sponsored health plans and State Children’s Health Insurance Program (SCHIP). See Appendix II, Health insurance coverage.

<sup>8</sup>MSA is metropolitan statistical area.

<sup>9</sup>Estimates are for persons 65 years of age and over and are age adjusted to the year 2000 standard population using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

NOTES: Standard errors are available in the spreadsheet version of this table. Available from: [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, family core questionnaire.

**Table 96 (page 1 of 2). Discharges, days of care, and average length of stay in non-federal short-stay hospitals, by selected characteristics: United States, selected years 1980–2004**

[Data are based on a sample of hospital records]

<i>Characteristic</i>	1980 <sup>1</sup>	1985 <sup>1</sup>	1990	1995	2000	2001	2002	2003	2004
Discharges per 1,000 population									
Total, age adjusted <sup>2</sup>	173.4	151.4	125.2	118.0	113.3	115.1	117.3	119.5	118.4
Total, crude.	167.7	148.4	122.3	115.7	112.8	114.9	117.5	120.0	119.2
Age									
Under 18 years	75.6	61.4	46.4	42.4	40.3	43.4	43.4	43.6	43.0
18–44 years	155.3	128.0	102.7	91.4	84.9	87.3	90.3	91.3	91.1
45–54 years	174.8	146.8	112.4	98.5	92.1	94.4	95.6	99.5	99.7
55–64 years	215.4	194.8	163.3	148.3	141.5	139.3	146.5	145.7	143.6
65 years and over	383.7	369.8	334.1	347.7	353.4	354.3	357.5	367.9	362.9
65–74 years	315.8	297.2	261.6	260.0	254.6	256.1	254.0	265.1	259.2
75 years and over	489.3	475.6	434.0	459.1	462.0	460.0	466.6	475.2	470.2
Sex <sup>2</sup>									
Male	153.2	137.3	113.0	104.8	99.1	100.0	102.4	104.4	102.6
Female	195.0	167.3	139.0	131.7	127.7	130.6	132.9	135.1	134.9
Geographic region <sup>2</sup>									
Northeast	162.0	142.6	133.2	133.5	127.5	125.2	123.5	127.6	128.8
Midwest	192.1	158.1	128.8	113.3	110.9	113.5	113.6	117.1	114.4
South	179.7	155.5	132.5	125.2	120.9	126.3	126.7	125.8	125.6
West	150.5	145.7	100.7	96.7	89.4	88.8	99.7	103.9	101.2
Days of care per 1,000 population									
Total, age adjusted <sup>2</sup>	1,297.0	997.5	818.9	638.6	557.7	562.2	570.9	574.6	568.7
Total, crude.	1,216.7	957.7	784.0	620.2	554.6	560.9	571.7	577.8	574.1
Age									
Under 18 years	341.4	281.2	226.3	184.7	179.0	192.5	195.2	195.5	193.2
18–44 years	818.6	619.2	467.7	351.7	309.4	322.7	333.9	339.7	334.9
45–54 years	1,314.9	967.8	699.7	516.2	437.4	455.4	456.7	477.2	491.1
55–64 years	1,889.4	1,436.9	1,172.3	867.2	729.1	732.2	752.2	735.9	735.2
65 years and over	4,098.3	3,228.0	2,895.6	2,373.7	2,111.9	2,064.2	2,085.1	2,088.3	2,048.6
65–74 years	3,147.0	2,437.3	2,087.8	1,684.7	1,439.0	1,449.5	1,411.9	1,428.9	1,405.2
75 years and over	5,578.8	4,381.3	4,009.1	3,247.8	2,851.9	2,725.5	2,795.0	2,776.1	2,714.9
Sex <sup>2</sup>									
Male	1,239.7	973.3	805.8	623.9	535.9	534.5	549.5	546.7	541.1
Female	1,365.2	1,033.1	840.5	654.9	581.0	591.9	596.0	605.2	599.6
Geographic region <sup>2</sup>									
Northeast	1,400.6	1,113.0	1,026.7	839.0	718.6	697.7	690.0	694.4	687.6
Midwest	1,484.8	1,078.6	830.6	590.9	500.5	491.6	502.1	507.9	498.7
South	1,262.3	957.7	820.4	666.0	592.5	623.6	618.6	609.8	614.2
West	956.9	824.7	575.5	451.1	408.2	408.3	454.7	476.4	457.5
Average length of stay in days									
Total, age adjusted <sup>2</sup>	7.5	6.6	6.5	5.4	4.9	4.9	4.9	4.8	4.8
Total, crude.	7.3	6.5	6.4	5.4	4.9	4.9	4.9	4.8	4.8
Age									
Under 18 years	4.5	4.6	4.9	4.4	4.4	4.4	4.5	4.5	4.5
18–44 years	5.3	4.8	4.6	3.8	3.6	3.7	3.7	3.7	3.7
45–54 years	7.5	6.6	6.2	5.2	4.8	4.8	4.8	4.8	4.9
55–64 years	8.8	7.4	7.2	5.8	5.2	5.3	5.1	5.1	5.1
65 years and over	10.7	8.7	8.7	6.8	6.0	5.8	5.8	5.7	5.6
65–74 years	10.0	8.2	8.0	6.5	5.7	5.7	5.6	5.4	5.4
75 years and over	11.4	9.2	9.2	7.1	6.2	5.9	6.0	5.8	5.8
Sex <sup>2</sup>									
Male	8.1	7.1	7.1	6.0	5.4	5.3	5.4	5.2	5.3
Female	7.0	6.2	6.0	5.0	4.6	4.5	4.5	4.5	4.4

See footnotes at end of table.

**Table 96 (page 2 of 2). Discharges, days of care, and average length of stay in non-federal short-stay hospitals, by selected characteristics: United States, selected years 1980–2004**

[Data are based on a sample of hospital records]

<i>Characteristic</i>	<i>1980</i> <sup>1</sup>	<i>1985</i> <sup>1</sup>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>
<b>Geographic region<sup>2</sup></b>		<b>Average length of stay in days</b>							
Northeast . . . . .	8.6	7.8	7.7	6.3	5.6	5.6	5.6	5.4	5.3
Midwest . . . . .	7.7	6.8	6.5	5.2	4.5	4.3	4.4	4.3	4.4
South . . . . .	7.0	6.2	6.2	5.3	4.9	4.9	4.9	4.8	4.9
West . . . . .	6.4	5.7	5.7	4.7	4.6	4.6	4.6	4.6	4.5

<sup>1</sup>Comparisons of data from 1980–1985 with data from later years should be made with caution as estimates of change may reflect improvements in the survey design rather than true changes in hospital use. See Appendix I, National Hospital Discharge Survey.

<sup>2</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

NOTES: Excludes newborn infants. Rates are based on the civilian population as of July 1. Starting with *Health, United States, 2003*, rates for 2000 and beyond are based on the 2000 census. Rates for 1990–1999 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Rates for 1990–1999 are not strictly comparable with rates for 2000 and beyond because population estimates for 1990–1999 have not been revised to reflect the 2000 census. See Appendix I, National Hospital Discharge Survey; Population Census and Population Estimates. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.



**Table 97 (page 1 of 3). Discharges and days of care in non-federal short-stay hospitals, by sex, age, and selected first-listed diagnoses: United States, selected years 1990–2004**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Days of care		
	1990	2000	2004	1990	2000	2004
Both sexes						
Total, age adjusted <sup>1,2</sup>	125.2	113.3	118.4	818.9	557.7	568.7
Total, crude <sup>2</sup>	122.3	112.8	119.2	784.0	554.6	574.1
Male						
Number per 1,000 population						
All ages <sup>1,2</sup>	113.0	99.1	102.6	805.8	535.9	541.1
Under 18 years <sup>2</sup>	46.3	40.9	43.6	233.6	195.6	201.5
Pneumonia	3.7	2.6	2.7	16.7	8.5	8.9
Asthma	3.3	3.5	3.4	9.3	7.4	7.3
Injuries and poisoning	6.8	5.0	5.2	30.1	21.4	18.5
Fracture, all sites	2.2	1.8	1.7	9.3	7.2	4.4
18–44 years <sup>2</sup>	57.9	45.0	46.5	351.7	217.5	225.6
HIV infection	*0.3	0.6	0.4	*3.0	*5.4	3.9
Alcohol and drug <sup>3</sup>	3.7	4.0	3.2	33.1	19.1	14.3
Serious mental illness <sup>4</sup>	3.4	*5.3	5.7	47.1	*43.6	43.4
Diseases of heart	3.0	2.7	2.9	16.3	9.4	10.1
Intervertebral disc disorders	2.6	1.5	1.2	10.7	3.2	2.4
Injuries and poisoning	13.1	7.3	8.0	65.7	33.2	40.8
Fracture, all sites	4.0	2.5	2.8	22.7	12.8	15.5
45–64 years <sup>2</sup>	140.3	112.7	118.4	943.4	570.4	612.4
HIV infection	*0.1	*0.5	0.4	*	*	*4.1
Malignant neoplasms	10.6	6.2	6.0	99.1	42.1	38.6
Trachea, bronchus, lung	2.7	0.9	0.8	19.1	5.2	5.4
Diabetes	2.9	3.7	3.1	21.2	22.5	16.6
Alcohol and drug <sup>3</sup>	3.5	3.5	4.4	29.7	15.8	19.6
Serious mental illness <sup>4</sup>	2.5	*4.0	4.7	34.8	*34.6	42.2
Diseases of heart	31.7	26.4	23.9	185.0	101.5	95.7
Ischemic heart disease	22.6	17.7	14.7	128.2	63.8	54.3
Acute myocardial infarction	7.4	5.9	4.6	55.8	27.8	23.7
Heart failure	3.1	3.4	3.9	21.0	17.3	20.7
Cerebrovascular diseases	4.1	3.8	3.4	40.7	19.8	17.6
Pneumonia	3.4	3.4	3.7	27.1	20.3	19.6
Injuries and poisoning	11.6	8.8	10.9	82.6	49.8	68.9
Fracture, all sites	3.3	2.5	3.0	24.2	16.2	19.1
65–74 years <sup>2</sup>	287.8	264.9	268.5	2,251.5	1,489.7	1,442.3
Malignant neoplasms	27.9	17.6	19.1	277.6	121.2	128.7
Large intestine and rectum	3.0	3.0	3.1	34.2	27.3	29.1
Trachea, bronchus, lung	6.4	2.8	3.0	55.7	19.2	19.4
Prostate	5.1	3.7	2.9	33.1	14.0	9.9
Diabetes	4.4	4.7	5.5	39.8	29.0	29.9
Serious mental illness <sup>4</sup>	2.5	*3.4	2.8	43.8	39.9	26.4
Diseases of heart	69.4	70.6	65.0	487.2	331.9	280.9
Ischemic heart disease	42.0	39.7	35.0	285.2	171.2	141.8
Acute myocardial infarction	14.0	12.5	10.8	122.4	66.5	56.7
Heart failure	11.8	13.6	13.9	93.1	77.6	70.9
Cerebrovascular diseases	13.8	13.2	12.5	114.8	59.0	56.9
Pneumonia	11.2	12.7	12.2	106.9	81.5	75.0
Hyperplasia of prostate	14.4	5.4	4.0	65.0	15.0	11.3
Osteoarthritis	5.5	10.3	11.3	48.5	48.8	42.8
Injuries and poisoning	17.6	17.9	17.4	139.0	105.7	109.7
Fracture, all sites	4.5	4.7	4.2	45.9	29.9	34.1
Fracture of neck of femur (hip)	1.5	*2.0	1.7	*18.1	*15.9	10.9

See footnotes at end of table.

**Table 97 (page 2 of 3). Discharges and days of care in non-federal short-stay hospitals, by sex, age, and selected first-listed diagnoses: United States, selected years 1990–2004**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Days of care		
	1990	2000	2004	1990	2000	2004
Male—Con.						
Number per 1,000 population						
75 years and over <sup>2</sup> . . . . .	478.5	467.4	483.1	4,231.6	2,888.0	2,815.5
Malignant neoplasms . . . . .	41.0	21.9	21.3	408.3	165.2	149.0
Large intestine and rectum . . . . .	5.4	4.2	3.9	80.7	44.1	34.0
Trachea, bronchus, lung . . . . .	5.4	3.0	3.9	53.4	18.3	27.0
Prostate . . . . .	9.7	3.2	2.4	65.6	*19.4	8.7
Diabetes . . . . .	4.6	6.5	6.9	51.2	43.2	37.2
Serious mental illness <sup>4</sup> . . . . .	*2.6	2.9	2.4	*40.5	*32.6	24.5
Diseases of heart . . . . .	106.2	113.3	113.1	855.7	600.9	579.0
Ischemic heart disease . . . . .	49.1	53.0	45.1	398.1	276.1	237.9
Acute myocardial infarction . . . . .	23.1	23.0	21.6	227.5	136.5	152.0
Heart failure . . . . .	31.8	30.9	36.6	248.6	178.6	193.7
Cerebrovascular diseases . . . . .	30.2	30.2	24.9	298.3	171.2	129.9
Pneumonia . . . . .	38.1	36.7	38.8	391.3	228.6	232.5
Hyperplasia of prostate . . . . .	17.9	6.8	6.0	109.2	21.6	17.6
Osteoarthritis . . . . .	6.6	7.2	11.8	60.7	28.7	47.1
Injuries and poisoning . . . . .	31.2	33.6	33.4	341.3	257.7	207.8
Fracture, all sites . . . . .	13.7	14.4	14.3	145.1	*119.2	91.2
Fracture of neck of femur (hip) . . . . .	8.5	8.4	8.8	97.8	63.3	60.9
Female						
All ages <sup>1,2</sup> . . . . .	139.0	127.7	134.9	840.5	581.0	599.6
Under 18 years <sup>2</sup> . . . . .	46.4	39.6	42.4	218.7	161.5	184.4
Pneumonia . . . . .	2.9	2.4	2.4	13.7	9.5	7.9
Asthma . . . . .	2.2	2.4	2.0	6.8	5.5	4.6
Injuries and poisoning . . . . .	4.3	3.1	3.4	16.7	*12.0	12.6
Fracture, all sites . . . . .	1.3	0.9	0.8	6.4	2.3	2.7
18–44 years <sup>2</sup> . . . . .	146.8	124.8	136.2	582.0	401.1	445.5
HIV infection . . . . .	*	0.3	0.2	*	*2.1	1.6
Delivery . . . . .	69.9	64.5	71.4	195.0	160.2	186.2
Alcohol and drug <sup>3</sup> . . . . .	1.6	*2.1	2.0	14.1	*10.8	*9.2
Serious mental illness <sup>4</sup> . . . . .	3.7	*5.4	5.9	54.3	*41.1	43.1
Diseases of heart . . . . .	1.3	1.7	1.7	7.2	6.3	8.3
Intervertebral disc disorders . . . . .	1.5	1.0	1.1	7.3	2.4	2.8
Injuries and poisoning . . . . .	6.7	4.3	5.3	36.6	18.1	22.4
Fracture, all sites . . . . .	1.6	1.0	1.1	10.7	4.5	4.8
45–64 years <sup>2</sup> . . . . .	131.0	110.2	117.3	886.5	533.6	571.8
HIV infection . . . . .	*	*	*0.3	*	*	*
Malignant neoplasms . . . . .	12.7	6.1	5.8	107.4	34.7	36.9
Trachea, bronchus, lung . . . . .	1.7	0.5	0.7	14.8	3.4	5.0
Breast . . . . .	2.8	1.3	0.8	12.1	2.6	2.8
Diabetes . . . . .	2.9	2.9	2.8	25.8	15.0	12.4
Alcohol and drug <sup>3</sup> . . . . .	1.0	1.5	1.6	8.0	*7.1	7.8
Serious mental illness <sup>4</sup> . . . . .	4.0	4.6	5.5	60.5	42.7	51.8
Diseases of heart . . . . .	16.6	14.6	13.3	101.1	59.5	57.1
Ischemic heart disease . . . . .	9.9	7.8	6.6	57.4	29.5	25.6
Acute myocardial infarction . . . . .	2.8	2.0	2.0	21.6	10.0	11.6
Heart failure . . . . .	2.2	2.9	2.7	16.3	13.6	15.0
Cerebrovascular diseases . . . . .	3.0	3.5	2.8	32.1	19.5	16.2
Pneumonia . . . . .	3.3	3.6	3.3	26.1	20.7	18.8
Injuries and poisoning . . . . .	9.4	7.7	9.2	63.3	41.2	50.8
Fracture, all sites . . . . .	3.1	2.7	2.4	25.0	13.3	13.8

See footnotes at end of table.

**Table 97 (page 3 of 3). Discharges and days of care in non-federal short-stay hospitals, by sex, age, and selected first-listed diagnoses: United States, selected years 1990–2004**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Days of care		
	1990	2000	2004	1990	2000	2004
Female—Con.						
Number per 1,000 population						
65–74 years <sup>2</sup> . . . . .	241.1	246.1	251.4	1,959.3	1,397.1	1,374.0
Malignant neoplasms . . . . .	20.9	14.1	13.8	189.8	101.0	101.3
Large intestine and rectum . . . . .	2.4	1.7	1.9	34.9	15.2	17.3
Trachea, bronchus, lung . . . . .	2.6	2.4	2.2	26.9	*17.5	16.5
Breast . . . . .	3.9	2.8	1.5	17.6	*	2.9
Diabetes . . . . .	5.8	4.6	5.0	46.8	26.1	27.9
Serious mental illness <sup>4</sup> . . . . .	3.9	4.0	3.9	62.8	46.3	47.3
Diseases of heart . . . . .	45.1	52.1	42.6	316.9	256.0	199.7
Ischemic heart disease . . . . .	24.4	23.3	18.4	153.8	113.9	77.2
Acute myocardial infarction . . . . .	7.5	8.0	5.8	58.1	52.8	32.2
Heart failure . . . . .	9.5	12.8	10.4	84.0	69.1	59.7
Cerebrovascular diseases . . . . .	11.3	12.3	9.1	96.0	59.4	44.4
Pneumonia . . . . .	8.5	11.3	12.5	79.6	71.4	72.3
Osteoarthritis . . . . .	7.8	10.0	15.1	74.5	47.2	60.9
Injuries and poisoning . . . . .	17.8	18.3	19.6	166.2	109.9	114.6
Fracture, all sites . . . . .	8.4	7.7	8.8	97.3	43.8	47.4
Fracture of neck of femur (hip) . . . . .	3.6	3.2	3.4	*59.6	21.1	23.6
75 years and over <sup>2</sup> . . . . .	409.6	458.8	462.4	3,887.1	2,830.8	2,653.9
Malignant neoplasms . . . . .	22.1	17.6	15.6	257.3	125.7	103.6
Large intestine and rectum . . . . .	4.6	3.4	2.8	69.8	28.4	28.8
Trachea, bronchus, lung . . . . .	2.1	1.9	2.2	20.6	14.0	14.3
Breast . . . . .	3.9	2.5	2.4	22.0	*8.9	5.9
Diabetes . . . . .	4.6	6.3	6.1	55.3	34.0	31.1
Serious mental illness <sup>4</sup> . . . . .	4.2	4.7	3.5	78.4	49.2	37.4
Diseases of heart . . . . .	84.6	99.1	94.6	672.8	523.4	485.2
Ischemic heart disease . . . . .	33.7	35.5	31.0	253.2	185.5	155.6
Acute myocardial infarction . . . . .	13.1	16.5	14.8	125.9	110.7	91.0
Heart failure . . . . .	28.6	32.5	31.9	240.8	183.4	171.9
Cerebrovascular diseases . . . . .	29.6	27.6	24.5	302.0	156.8	129.2
Pneumonia . . . . .	23.5	30.1	28.0	255.8	206.5	179.1
Osteoarthritis . . . . .	6.2	9.9	13.2	62.2	46.3	54.7
Injuries and poisoning . . . . .	46.3	44.7	45.1	489.2	275.4	284.0
Fracture, all sites . . . . .	31.5	30.0	28.3	352.7	190.0	168.8
Fracture of neck of femur (hip) . . . . .	18.8	17.9	16.3	236.3	125.3	101.4

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

<sup>1</sup>Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Includes discharges with first-listed diagnoses not shown in table.

<sup>3</sup>Includes abuse, dependence, and withdrawal. These estimates are for non-federal short-stay hospitals only and do not include alcohol and drug discharges from other types of facilities or programs such as the Department of Veterans Affairs or day treatment programs.

<sup>4</sup>These estimates are for non-federal short-stay hospitals only and do not include serious mental illness discharges from other types of facilities or programs such as the Department of Veterans Affairs or long-term hospitals.

NOTES: Excludes newborn infants. Diagnostic categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD–9-CM). See Appendix II, Diagnosis; Human immunodeficiency virus (HIV) infection; *International Classification of Diseases, Ninth Revision, Clinical Modification*; Table X for ICD–9-CM codes. Rates are based on the civilian population as of July 1. Starting with *Health, United States, 2003*, rates for 2000 and beyond are based on the 2000 census. Rates for 1990–1999 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Rates for 1990–1999 are not strictly comparable with rates for 2000 and beyond because population estimates for 1990–1999 have not been revised to reflect the 2000 census. See Appendix I, National Hospital Discharge Survey; Population Census and Population Estimates. Numbers have been revised and differ from previous editions of *Health, United States*. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.

**Table 98 (page 1 of 3). Discharges and average length of stay in non-federal short-stay hospitals, by sex, age, and selected first-listed diagnoses: United States, selected years 1990–2004**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Average length of stay <sup>1</sup>		
	1990	2000	2004	1990	2000	2004
Both sexes						
Total <sup>2</sup>	30,788	31,706	34,864	6.4	4.9	4.8
Male						
All ages <sup>2</sup>	12,280	12,514	13,844	6.9	5.3	5.2
Under 18 years <sup>2</sup>	1,572	1,515	1,637	5.0	4.8	4.6
Pneumonia	124	95	103	4.6	3.3	3.2
Asthma	111	129	127	2.8	2.1	2.1
Injuries and poisoning	232	185	195	4.4	4.3	3.6
Fracture, all sites	76	68	64	4.2	3.9	2.6
18–44 years <sup>2</sup>	3,120	2,498	2,622	6.1	4.8	4.9
HIV infection	*15	32	25	*10.6	*9.4	8.6
Alcohol and drug <sup>3</sup>	201	224	182	8.9	4.7	4.4
Serious mental illness <sup>4</sup>	184	*296	319	13.8	*8.2	7.7
Diseases of heart	163	148	162	5.4	3.5	3.5
Intervertebral disc disorders	138	81	67	4.2	2.2	2.0
Injuries and poisoning	704	408	453	5.0	4.5	5.1
Fracture, all sites	217	141	160	5.6	5.0	5.5
45–64 years <sup>2</sup>	3,115	3,424	4,073	6.7	5.1	5.2
HIV infection	*3	*15	15	*7.1	*	*9.2
Malignant neoplasms	235	188	206	9.4	6.8	6.4
Trachea, bronchus, lung	60	26	28	7.1	6.0	6.6
Diabetes	65	114	107	7.3	6.0	5.3
Alcohol and drug <sup>3</sup>	77	*106	150	8.5	4.5	4.5
Serious mental illness <sup>4</sup>	56	*120	162	13.7	*8.8	9.0
Diseases of heart	704	802	821	5.8	3.8	4.0
Ischemic heart disease	502	539	507	5.7	3.6	3.7
Acute myocardial infarction	165	178	158	7.5	4.7	5.2
Heart failure	68	102	136	6.9	5.2	5.3
Cerebrovascular diseases	91	116	117	10.0	5.2	5.2
Pneumonia	75	102	126	8.0	6.0	5.4
Injuries and poisoning	257	266	374	7.2	5.7	6.3
Fracture, all sites	74	77	102	7.2	6.4	6.4
65–74 years <sup>2</sup>	2,268	2,199	2,263	7.8	5.6	5.4
Malignant neoplasms	220	146	161	9.9	6.9	6.7
Large intestine and rectum	24	24	26	11.4	9.2	9.3
Trachea, bronchus, lung	50	23	25	8.7	6.8	6.4
Prostate	40	31	24	6.5	3.8	3.4
Diabetes	34	39	47	9.1	6.2	5.4
Serious mental illness <sup>4</sup>	20	*28	24	17.4	*11.7	9.3
Diseases of heart	547	586	547	7.0	4.7	4.3
Ischemic heart disease	331	329	295	6.8	4.3	4.1
Acute myocardial infarction	110	104	91	8.8	5.3	5.3
Heart failure	93	113	117	7.9	5.7	5.1
Cerebrovascular diseases	108	109	106	8.3	4.5	4.5
Pneumonia	88	105	103	9.5	6.4	6.2
Hyperplasia of prostate	113	45	34	4.5	2.8	2.8
Osteoarthritis	44	86	96	8.8	4.7	3.8
Injuries and poisoning	139	149	146	7.9	5.9	6.3
Fracture, all sites	36	39	35	10.2	6.4	8.1
Fracture of neck of femur (hip)	12	*17	14	*11.8	*7.9	6.5

See footnotes at end of table.

**Table 98 (page 2 of 3). Discharges and average length of stay in non-federal short-stay hospitals, by sex, age, and selected first-listed diagnoses: United States, selected years 1990–2004**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Average length of stay <sup>1</sup>		
	1990	2000	2004	1990	2000	2004
<b>Male—Con.</b>						
	Number in thousands			Number of days		
75 years and over <sup>2</sup> . . . . .	2,203	2,878	3,250	8.8	6.2	5.8
Malignant neoplasms . . . . .	189	135	144	10.0	7.6	7.0
Large intestine and rectum . . . . .	25	26	26	15.0	10.6	8.6
Trachea, bronchus, lung . . . . .	25	18	26	10.0	6.1	7.0
Prostate . . . . .	45	20	16	6.8	*6.1	3.7
Diabetes . . . . .	21	40	47	11.0	6.6	5.4
Serious mental illness <sup>4</sup> . . . . .	*12	18	16	*15.5	*11.2	10.3
Diseases of heart . . . . .	489	697	761	8.1	5.3	5.1
Ischemic heart disease . . . . .	226	326	303	8.1	5.2	5.3
Acute myocardial infarction . . . . .	106	141	145	9.9	5.9	7.0
Heart failure . . . . .	147	190	246	7.8	5.8	5.3
Cerebrovascular diseases . . . . .	139	186	168	9.9	5.7	5.2
Pneumonia . . . . .	175	226	261	10.3	6.2	6.0
Hyperplasia of prostate . . . . .	82	42	40	6.1	3.2	2.9
Osteoarthritis . . . . .	30	44	79	10.3	4.5	4.0
Injuries and poisoning . . . . .	144	207	225	10.9	7.7	6.2
Fracture, all sites . . . . .	63	89	96	10.6	*8.3	6.4
Fracture of neck of femur (hip) . . . . .	39	52	59	11.5	7.5	6.9
<b>Female</b>						
All ages <sup>2</sup> . . . . .	18,508	19,192	21,020	6.1	4.6	4.5
Under 18 years <sup>2</sup> . . . . .	1,500	1,397	1,516	4.7	4.1	4.4
Pneumonia . . . . .	95	86	86	4.7	3.9	3.3
Asthma . . . . .	71	85	71	3.1	2.3	2.3
Injuries and poisoning . . . . .	138	111	122	3.9	*3.8	3.7
Fracture, all sites . . . . .	42	32	30	5.0	2.5	3.2
18–44 years <sup>2</sup> . . . . .	8,018	6,941	7,597	4.0	3.2	3.3
HIV infection . . . . .	*	15	13	*	*7.5	7.2
Delivery . . . . .	3,815	3,588	3,980	2.8	2.5	2.6
Alcohol and drug <sup>3</sup> . . . . .	85	*116	109	9.1	*5.2	*4.7
Serious mental illness <sup>4</sup> . . . . .	200	*300	331	14.8	*7.6	7.3
Diseases of heart . . . . .	73	95	98	5.4	3.7	4.8
Intervertebral disc disorders . . . . .	84	58	62	4.7	2.3	2.5
Injuries and poisoning . . . . .	366	237	298	5.5	4.2	4.2
Fracture, all sites . . . . .	85	57	59	6.9	4.4	4.5
45–64 years <sup>2</sup> . . . . .	3,129	3,534	4,249	6.8	4.8	4.9
HIV infection . . . . .	*	*	*11	*	*	*
Malignant neoplasms . . . . .	303	195	211	8.5	5.7	6.3
Trachea, bronchus, lung . . . . .	41	17	25	8.6	6.4	7.2
Breast . . . . .	67	40	30	4.3	2.1	3.4
Diabetes . . . . .	70	93	101	8.9	5.2	4.4
Alcohol and drug <sup>3</sup> . . . . .	23	47	58	8.2	*4.8	4.9
Serious mental illness <sup>4</sup> . . . . .	95	146	201	15.2	9.4	9.4
Diseases of heart . . . . .	397	470	483	6.1	4.1	4.3
Ischemic heart disease . . . . .	237	251	239	5.8	3.8	3.9
Acute myocardial infarction . . . . .	68	64	72	7.6	5.0	5.9
Heart failure . . . . .	54	94	100	7.3	4.7	5.5
Cerebrovascular diseases . . . . .	72	113	101	10.7	5.5	5.8
Pneumonia . . . . .	78	116	118	8.0	5.7	5.8
Injuries and poisoning . . . . .	225	248	335	6.7	5.3	5.5
Fracture, all sites . . . . .	75	87	89	7.9	4.9	5.7

See footnotes at end of table.

**Table 98 (page 3 of 3). Discharges and average length of stay in non-federal short-stay hospitals, by sex, age, and selected first-listed diagnoses: United States, selected years 1990–2004**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Average length of stay <sup>1</sup>		
	1990	2000	2004	1990	2000	2004
Female—Con.	Number in thousands			Number of days		
65–74 years <sup>2</sup> . . . . .	2,421	2,479	2,523	8.1	5.7	5.5
Malignant neoplasms . . . . .	210	142	138	9.1	7.2	7.3
Large intestine and rectum . . . . .	24	17	19	14.5	9.0	9.1
Trachea, bronchus, lung . . . . .	26	25	22	10.2	*7.1	7.5
Breast . . . . .	40	29	15	4.5	*	2.0
Diabetes . . . . .	59	47	50	8.0	5.6	5.5
Serious mental illness <sup>4</sup> . . . . .	39	40	39	16.3	11.7	12.3
Diseases of heart . . . . .	453	525	428	7.0	4.9	4.7
Ischemic heart disease . . . . .	245	235	185	6.3	4.9	4.2
Acute myocardial infarction . . . . .	75	81	59	7.8	6.6	5.5
Heart failure . . . . .	95	128	105	8.8	5.4	5.7
Cerebrovascular diseases . . . . .	114	124	92	8.5	4.8	4.9
Pneumonia . . . . .	85	114	125	9.4	6.3	5.8
Osteoarthritis . . . . .	78	101	152	9.5	4.7	4.0
Injuries and poisoning . . . . .	179	185	197	9.3	6.0	5.8
Fracture, all sites . . . . .	85	77	88	11.5	5.7	5.4
Fracture of neck of femur (hip) . . . . .	36	32	34	*16.7	6.7	6.9
75 years and over <sup>2</sup> . . . . .	3,440	4,840	5,135	9.5	6.2	5.7
Malignant neoplasms . . . . .	185	186	174	11.7	7.1	6.6
Large intestine and rectum . . . . .	39	36	31	15.1	8.4	10.4
Trachea, bronchus, lung . . . . .	18	20	24	9.9	7.3	6.6
Breast . . . . .	33	27	27	5.7	*3.5	2.4
Diabetes . . . . .	39	67	68	11.9	5.4	5.1
Serious mental illness <sup>4</sup> . . . . .	35	49	39	18.7	10.5	10.8
Diseases of heart . . . . .	711	1,045	1,051	8.0	5.3	5.1
Ischemic heart disease . . . . .	283	375	344	7.5	5.2	5.0
Acute myocardial infarction . . . . .	110	174	165	9.6	6.7	6.1
Heart failure . . . . .	240	343	354	8.4	5.6	5.4
Cerebrovascular diseases . . . . .	249	292	272	10.2	5.7	5.3
Pneumonia . . . . .	198	317	311	10.9	6.9	6.4
Osteoarthritis . . . . .	52	105	147	10.1	4.7	4.1
Injuries and poisoning . . . . .	389	472	501	10.6	6.2	6.3
Fracture, all sites . . . . .	265	316	314	11.2	6.3	6.0
Fracture of neck of femur (hip) . . . . .	158	189	181	12.5	7.0	6.2

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE of greater than 30%.

<sup>1</sup>Crude estimates.

<sup>2</sup>Includes discharges with first-listed diagnoses not shown in table.

<sup>3</sup>Includes abuse, dependence, and withdrawal. These estimates are for non-federal short-stay hospitals only and do not include alcohol and drug discharges from other types of facilities or programs such as the Department of Veterans Affairs or day treatment programs.

<sup>4</sup>These estimates are for non-federal short-stay hospitals only and do not include serious mental illness discharges from other types of facilities or programs such as the Department of Veterans Affairs or long-term hospitals.

NOTES: Excludes newborn infants. Diagnostic categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD–9-CM). See Appendix II, Diagnosis; Human immunodeficiency virus (HIV) infection; *International Classification of Diseases, Clinical Modification*; Table X for ICD–9-CM codes. Numbers have been revised and differ from previous editions of *Health, United States*. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.

**Table 99 (page 1 of 3). Discharges with at least one procedure in non-federal short-stay hospitals, by sex, age, and selected procedures: United States, average annual 1993–1994 and 2003–2004**

[Data are based on a sample of hospital records]

Age and procedure (any listed)	Both sexes		Male		Female	
	1993–1994	2003–2004	1993–1994	2003–2004	1993–1994	2003–2004
18 years and over						
Number in thousands <sup>1</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	18,353	19,773	6,791	7,211	11,562	12,562
Number per 10,000 population <sup>3</sup>						
Hospital discharges with at least one procedure, age adjusted <sup>2,4</sup> . . . . .	964.1	909.0	815.7	728.4	1,124.3	1,099.6
Hospital discharges with at least one procedure, crude <sup>2</sup> . . . . .	955.7	907.8	738.9	684.9	1,154.8	1,116.2
Cardiac catheterization . . . . .	52.4	57.9	66.2	72.0	39.6	44.7
Insertion, replacement, removal, and revision of pacemaker leads or device . . . . .	8.9	9.4	9.1	9.4	8.7	9.5
Angiocardiology using contrast material . . . . .	44.0	48.4	55.2	58.6	33.7	38.9
Operations on vessels of heart . . . . .	36.1	42.1	51.6	58.3	21.9	26.9
Removal of coronary artery obstruction and insertion of stent(s) . . . . .	20.5	30.5	28.3	41.1	13.3	20.5
Insertion of coronary artery stent(s) <sup>5</sup> . . . . .	...	26.4	...	36.0	...	17.3
Coronary artery bypass graft . . . . .	16.3	11.8	24.2	17.5	9.0	6.5
Diagnostic procedures on small intestine . . . . .	43.0	48.7	40.8	44.2	45.1	52.8
Diagnostic procedures on large intestine . . . . .	26.6	26.9	22.5	22.2	30.3	31.3
Diagnostic radiology . . . . .	67.3	35.5	65.3	32.7	69.1	38.1
Computerized axial tomography . . . . .	47.5	29.8	47.5	27.5	47.6	31.9
Diagnostic ultrasound . . . . .	60.5	33.3	51.4	31.6	68.9	34.9
Magnetic resonance imaging . . . . .	10.8	10.2	10.6	9.7	10.9	10.6
Joint replacement of lower extremity . . . . .	23.0	41.1	16.7	31.8	28.7	49.9
Total hip replacement . . . . .	6.4	10.3	5.4	9.3	7.3	11.3
Partial hip replacement . . . . .	4.6	7.7	1.9	5.4	7.0	9.9
Total knee replacement . . . . .	9.7	19.7	7.4	14.4	11.9	24.5
Reduction of fracture and dislocation . . . . .	26.2	24.8	22.6	22.6	29.6	26.9
Excision or destruction of intervertebral disc and spinal fusion . . . . .	16.8	15.1	19.2	16.2	14.6	14.0
Excision or destruction of intervertebral disc . . . . .	16.8	14.5	19.2	15.6	14.6	13.3
Cholecystectomy . . . . .	24.7	19.5	15.9	13.5	32.8	25.1
Laparoscopic cholecystectomy . . . . .	16.7	14.6	9.6	9.2	23.3	19.7
Lysis of peritoneal adhesions . . . . .	17.3	15.0	6.3	6.0	27.3	23.4
18–44 years						
Number in thousands <sup>1</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	7,635	7,380	1,798	1,491	5,837	5,890
Number per 10,000 population <sup>3</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	698.5	658.6	330.6	264.7	1,062.9	1,056.3
Repair of hernia . . . . .	4.8	4.4	4.9	3.0	4.6	5.9
Cesarean section and removal of fetus <sup>6</sup> . . . . .	...	...	...	...	156.7	206.8
Forceps, vacuum, and breech delivery <sup>6</sup> . . . . .	...	...	...	...	77.4	54.7
Other procedures inducing or assisting delivery <sup>6,7</sup> . . . . .	...	...	...	...	408.2	401.6
Dilation and curettage of uterus <sup>6</sup> . . . . .	...	...	...	...	16.4	7.2
Total abdominal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	35.6	34.4
Vaginal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	19.2	17.9
Cardiac catheterization . . . . .	8.0	8.9	11.5	11.5	4.6	6.3
Angiocardiology using contrast material . . . . .	7.2	8.2	10.5	10.3	4.0	6.0
Operations on vessels of heart . . . . .	3.8	4.2	6.4	6.2	1.2	2.1
Removal of coronary artery obstruction and insertion of stent(s) . . . . .	2.7	3.4	4.5	5.1	*0.8	1.7
Insertion of coronary artery stent(s) <sup>5</sup> . . . . .	...	3.0	...	4.6	...	1.3
Coronary artery bypass graft . . . . .	1.2	0.8	1.9	1.2	*	*
Diagnostic procedures on small intestine . . . . .	13.2	13.3	14.1	11.6	12.4	15.0
Diagnostic procedures on large intestine . . . . .	6.4	6.9	6.1	6.4	6.8	7.4
Diagnostic radiology . . . . .	29.8	15.1	28.8	12.8	30.9	17.5
Computerized axial tomography . . . . .	18.8	11.6	22.1	11.3	15.5	11.9
Diagnostic ultrasound . . . . .	27.2	10.7	16.6	8.6	37.7	12.9
Magnetic resonance imaging . . . . .	4.5	3.9	5.0	3.8	4.1	4.0
Reduction of fracture and dislocation . . . . .	14.5	13.4	19.0	18.7	10.1	8.1
Excision or destruction of intervertebral disc and spinal fusion . . . . .	15.1	11.0	18.2	11.7	11.9	10.3
Excision or destruction of intervertebral disc . . . . .	15.1	10.7	18.2	11.4	11.9	9.9
Cholecystectomy . . . . .	14.9	12.2	5.8	5.3	23.9	19.2
Laparoscopic cholecystectomy . . . . .	11.1	10.5	4.0	4.1	18.2	16.9
Lysis of peritoneal adhesions . . . . .	14.7	12.3	2.2	1.7	27.0	23.0

See footnotes at end of table.



**Table 99 (page 2 of 3). Discharges with at least one procedure in non-federal short-stay hospitals, by sex, age, and selected procedures: United States, average annual 1993–1994 and 2003–2004**

[Data are based on a sample of hospital records]

Age and procedure (any listed)	Both sexes		Male		Female	
	1993–1994	2003–2004	1993–1994	2003–2004	1993–1994	2003–2004
45–64 years						
Number in thousands <sup>1</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	4,160	5,131	2,080	2,538	2,080	2,593
Number per 10,000 population <sup>3</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	831.2	736.5	859.0	748.1	805.1	725.6
Transurethral prostatectomy <sup>8</sup> . . . . .	...	...	16.9	5.6	...	...
Repair of hernia . . . . .	15.2	12.9	16.6	11.4	13.8	14.3
Total abdominal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	47.6	43.1
Vaginal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	19.2	21.1
Cardiac catheterization . . . . .	85.5	76.9	116.0	104.0	56.9	51.0
Insertion, replacement, removal, and revision of pacemaker leads or device . . . . .	5.3	4.1	6.0	5.3	4.8	2.9
Angiocardiology using contrast material . . . . .	71.3	63.4	95.5	82.8	48.6	44.9
Operations on vessels of heart . . . . .	60.6	55.9	92.3	84.9	30.9	28.4
Removal of coronary artery obstruction and insertion of stent(s) . . . . .	36.1	40.4	53.3	60.5	19.9	21.2
Insertion of coronary artery stent(s) <sup>5</sup> . . . . .	...	35.4	...	53.5	...	18.3
Coronary artery bypass graft . . . . .	26.0	15.8	41.1	24.9	11.8	7.3
Diagnostic procedures on small intestine . . . . .	41.8	43.5	44.3	44.8	39.5	42.3
Diagnostic procedures on large intestine . . . . .	25.5	21.7	24.8	19.3	26.1	24.1
Diagnostic radiology . . . . .	66.9	32.3	69.9	31.7	64.2	32.8
Computerized axial tomography . . . . .	44.2	25.5	47.3	26.9	41.2	24.2
Diagnostic ultrasound . . . . .	56.4	32.0	59.7	35.9	53.2	28.3
Magnetic resonance imaging . . . . .	12.8	10.6	13.4	11.2	12.3	10.1
Joint replacement of lower extremity . . . . .	18.3	42.1	17.4	34.8	19.0	49.0
Total hip replacement . . . . .	5.9	11.3	7.2	12.0	4.8	10.5
Partial hip replacement . . . . .	1.0	4.9	*	4.1	*1.1	5.7
Total knee replacement . . . . .	8.9	22.7	7.0	16.4	10.6	28.6
Reduction of fracture and dislocation . . . . .	20.8	17.7	19.4	19.2	22.2	16.2
Excision or destruction of intervertebral disc and spinal fusion . . . . .	23.2	21.1	25.3	22.9	21.1	19.3
Excision or destruction of intervertebral disc . . . . .	23.2	20.2	25.3	22.1	21.1	18.4
Cholecystectomy . . . . .	29.6	19.6	20.0	14.9	38.6	24.1
Laparoscopic cholecystectomy . . . . .	21.5	14.3	13.7	9.5	28.9	18.8
Lysis of peritoneal adhesions . . . . .	16.8	14.6	7.3	7.1	25.6	21.7
65–74 years						
Number in thousands <sup>1</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	3,111	2,958	1,542	1,440	1,570	1,518
Number per 10,000 population <sup>3</sup>						
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	1,681.0	1,607.8	1,877.2	1,716.7	1,524.5	1,516.5
Transurethral prostatectomy <sup>8</sup> . . . . .	50.3	19.7	113.3	43.2	...	...
Repair of hernia . . . . .	30.9	25.1	41.1	27.2	22.7	23.3
Total abdominal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	23.0	18.8
Vaginal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	18.9	13.2
Cardiac catheterization . . . . .	170.5	171.2	219.4	219.2	131.5	131.0
Insertion, replacement, removal, and revision of pacemaker leads or device . . . . .	26.1	24.7	30.5	27.1	22.7	22.7
Angiocardiology using contrast material . . . . .	142.0	140.6	182.3	178.6	109.9	108.7
Operations on vessels of heart . . . . .	126.5	138.7	183.5	197.8	81.0	89.1
Removal of coronary artery obstruction and insertion of stent(s) . . . . .	67.2	96.7	91.7	133.2	47.6	66.1
Insertion of coronary artery stent(s) <sup>5</sup> . . . . .	...	83.7	...	115.1	...	57.3
Coronary artery bypass graft . . . . .	61.6	43.1	95.7	66.7	34.4	23.3
Diagnostic procedures on small intestine . . . . .	98.8	114.1	101.6	118.3	96.5	110.5
Diagnostic procedures on large intestine . . . . .	62.2	65.0	56.8	55.8	66.6	72.7
Diagnostic radiology . . . . .	140.0	71.6	152.7	75.9	129.9	68.0
Computerized axial tomography . . . . .	103.1	60.0	111.5	61.0	96.4	59.1
Diagnostic ultrasound . . . . .	136.0	72.7	141.5	79.5	131.6	67.0
Magnetic resonance imaging . . . . .	26.1	23.5	27.0	23.4	25.3	23.7
Joint replacement of lower extremity . . . . .	83.4	139.9	64.7	113.9	98.3	161.7
Total hip replacement . . . . .	22.6	34.4	18.7	28.7	25.6	39.2
Partial hip replacement . . . . .	9.0	13.8	4.3	10.6	12.7	16.3
Total knee replacement . . . . .	44.3	78.7	35.1	61.2	51.6	93.4
Reduction of fracture and dislocation . . . . .	38.9	38.7	27.4	26.6	48.0	48.9
Excision or destruction of intervertebral disc and spinal fusion . . . . .	16.5	20.2	13.8	20.8	18.7	19.6
Excision or destruction of intervertebral disc . . . . .	16.5	19.2	13.8	20.3	18.7	18.3
Cholecystectomy . . . . .	49.0	38.4	42.5	36.4	54.2	40.0
Laparoscopic cholecystectomy . . . . .	28.3	27.3	20.8	24.3	34.2	29.9
Lysis of peritoneal adhesions . . . . .	24.9	21.0	21.8	15.5	27.4	25.6

See footnotes at end of table.

**Table 99 (page 3 of 3). Discharges with at least one procedure in non-federal short-stay hospitals, by sex, age, and selected procedures: United States, average annual 1993–1994 and 2003–2004**

[Data are based on a sample of hospital records]

Age and procedure (any listed)	Both sexes		Male		Female	
	1993–1994	2003–2004	1993–1994	2003–2004	1993–1994	2003–2004
75 years and over	Number in thousands <sup>1</sup>					
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	3,447	4,304	1,372	1,742	2,075	2,562
	Number per 10,000 population <sup>3</sup>					
Hospital discharges with at least one procedure <sup>2</sup> . . . . .	2,432.9	2,430.8	2,689.5	2,615.2	2,288.6	2,319.5
Transurethral prostatectomy <sup>8</sup> . . . . .	...	...	179.3	70.0	...	...
Repair of hernia . . . . .	36.8	29.2	51.2	29.9	28.6	28.7
Total abdominal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	12.4	10.9
Vaginal hysterectomy <sup>6</sup> . . . . .	...	...	...	...	11.1	6.4
Cardiac catheterization . . . . .	123.3	175.0	167.6	234.2	98.4	139.3
Insertion, replacement, removal, and revision of pacemaker leads or device . . . . .	64.9	72.0	82.1	83.5	55.2	65.2
Angiocardiology using contrast material . . . . .	103.5	148.7	136.9	191.5	84.7	122.8
Operations on vessels of heart . . . . .	81.0	127.0	127.3	186.6	55.0	91.0
Removal of coronary artery obstruction and insertion of stent(s) . . . . .	42.1	94.1	61.7	131.2	31.1	71.7
Insertion of coronary artery stent(s) <sup>5</sup> . . . . .	...	79.2	...	113.3	...	58.6
Coronary artery bypass graft . . . . .	40.0	33.6	67.2	56.2	24.6	20.0
Diagnostic procedures on small intestine . . . . .	204.1	224.6	210.0	223.2	200.8	225.5
Diagnostic procedures on large intestine . . . . .	139.2	134.4	132.0	128.4	143.2	138.0
Diagnostic radiology . . . . .	262.2	139.0	291.9	150.5	245.5	132.1
Computerized axial tomography . . . . .	209.0	130.4	216.9	125.7	204.5	133.2
Diagnostic ultrasound . . . . .	233.3	140.1	238.2	143.1	230.6	138.2
Magnetic resonance imaging . . . . .	31.6	34.3	31.7	35.0	31.5	34.0
Joint replacement of lower extremity . . . . .	123.0	169.1	94.5	148.0	139.1	181.8
Total hip replacement . . . . .	28.4	38.3	22.4	36.3	31.8	39.4
Partial hip replacement . . . . .	46.4	50.5	22.3	37.2	60.0	58.5
Total knee replacement . . . . .	39.0	66.9	39.4	63.7	38.8	68.7
Reduction of fracture and dislocation . . . . .	118.8	110.3	67.6	67.8	147.6	136.0
Excision or destruction of intervertebral disc and spinal fusion . . . . .	8.4	11.7	8.9	13.7	8.1	10.5
Excision or destruction of intervertebral disc . . . . .	8.4	10.9	8.9	12.7	8.1	9.8
Cholecystectomy . . . . .	51.6	45.4	61.7	47.4	45.9	44.2
Laparoscopic cholecystectomy . . . . .	27.7	29.3	31.3	32.4	25.6	27.4
Lysis of peritoneal adhesions . . . . .	29.6	27.1	21.0	24.7	34.4	28.6

\* Estimates are considered unreliable. Rates for inpatient procedures preceded by an asterisk are based on 5,000–8,999 estimated procedures; those based on fewer than 5,000 are not shown. Estimates that are not shown generally have a relative standard error of greater than 30%.  
 ... Category not applicable.  
<sup>1</sup>Average number of procedures per year.  
<sup>2</sup>Includes discharges for procedures not shown separately.  
<sup>3</sup>Average annual rate.  
<sup>4</sup>Estimates are age adjusted to the year 2000 standard population using five age groups: 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.  
<sup>5</sup>The procedure code for insertion of coronary artery stents (36.06) first appears in the 1996 data. A second procedure code for the insertion of drug-eluting stents (36.07) first appears in the 2003 data.  
<sup>6</sup>Rate for female population only.  
<sup>7</sup>Includes artificial rupture of membranes, surgical and medical induction of labor, and episiotomy.  
<sup>8</sup>Rate for male population only.

NOTES: Excludes newborn infants. Up to four procedures were coded for each hospital discharge. If more than one procedure with the same code (e.g., a coronary artery bypass graft) was performed during the hospital stay, it was counted only once (any listed). Procedure categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification (ICD–9–CM)*. See Appendix II, International Classification of Diseases, Ninth Revision, Clinical Modification; Procedure; Table XI. Rates are based on the civilian population as of July 1. Starting with *Health, United States, 2003*, rates for 2000 and beyond are based on the 2000 census. Rates for 1990–1999 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Rates for 1990–1999 are not strictly comparable with rates for 2000 and beyond because population estimates for 1990–1999 have not been revised to reflect the 2000 census. See Appendix I, National Hospital Discharge Survey; Population census and Population estimates. Numbers have been revised and differ from previous editions of *Health, United States*.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey.

**Table 101. Nursing home residents 65 years of age and over, by age, sex, and race: United States, selected years 1973–1999**

[Data are based on a sample of nursing home residents]

Age, sex, and race	Residents				Residents per 1,000 population			
	1973–1974	1985	1995	1999	1973–1974	1985	1995	1999
<b>Age</b>								
65 years and over, age adjusted <sup>1</sup> . . . . .	...	...	...	...	58.5	54.0	45.9	43.3
65 years and over, crude . . . . .	961,500	1,318,300	1,422,600	1,469,500	44.7	46.2	42.4	42.9
65–74 years . . . . .	163,100	212,100	190,200	194,800	12.3	12.5	10.1	10.8
75–84 years . . . . .	384,900	509,000	511,900	517,600	57.7	57.7	45.9	43.0
85 years and over . . . . .	413,600	597,300	720,400	757,100	257.3	220.3	198.6	182.5
<b>Male</b>								
65 years and over, age adjusted <sup>1</sup> . . . . .	...	...	...	...	42.5	38.8	32.8	30.6
65 years and over, crude . . . . .	265,700	334,400	356,800	377,800	30.0	29.0	26.1	26.5
65–74 years . . . . .	65,100	80,600	79,300	84,100	11.3	10.8	9.5	10.3
75–84 years . . . . .	102,300	141,300	144,300	149,500	39.9	43.0	33.3	30.8
85 years and over . . . . .	98,300	112,600	133,100	144,200	182.7	145.7	130.8	116.5
<b>Female</b>								
65 years and over, age adjusted <sup>1</sup> . . . . .	...	...	...	...	67.5	61.5	52.3	49.8
65 years and over, crude . . . . .	695,800	983,900	1,065,800	1,091,700	54.9	57.9	53.7	54.6
65–74 years . . . . .	98,000	131,500	110,900	110,700	13.1	13.8	10.6	11.2
75–84 years . . . . .	282,600	367,700	367,600	368,100	68.9	66.4	53.9	51.2
85 years and over . . . . .	315,300	484,700	587,300	612,900	294.9	250.1	224.9	210.5
<b>White<sup>2</sup></b>								
65 years and over, age adjusted <sup>1</sup> . . . . .	...	...	...	...	61.2	55.5	45.4	41.9
65 years and over, crude . . . . .	920,600	1,227,400	1,271,200	1,279,600	46.9	47.7	42.3	42.1
65–74 years . . . . .	150,100	187,800	154,400	157,200	12.5	12.3	9.3	10.0
75–84 years . . . . .	369,700	473,600	453,800	440,600	60.3	59.1	44.9	40.5
85 years and over . . . . .	400,800	566,000	663,000	681,700	270.8	228.7	200.7	181.8
<b>Black or African American<sup>2</sup></b>								
65 years and over, age adjusted <sup>1</sup> . . . . .	...	...	...	...	28.2	41.5	50.4	55.6
65 years and over, crude . . . . .	37,700	82,000	122,900	145,900	22.0	35.0	45.2	51.1
65–74 years . . . . .	12,200	22,500	29,700	30,300	11.1	15.4	18.4	18.2
75–84 years . . . . .	13,400	30,600	47,300	58,700	26.7	45.3	57.2	66.5
85 years and over . . . . .	12,100	29,000	45,800	56,900	105.7	141.5	167.1	183.1

... Category not applicable.

<sup>1</sup>Age adjusted to the year 2000 population standard using the following three age groups: 65–74 years, 75–84 years, and 85 years and over.

<sup>2</sup>Starting with 1999 data, the instruction for the race item on the Current Resident Questionnaire was changed so that more than one race could be recorded. In previous years, only one racial category could be checked. Estimates for racial groups presented in this table are for residents for whom only one race was recorded. Estimates for residents where multiple races were checked are unreliable due to small sample sizes and are not shown.

NOTES: Residents are persons on the roster of the nursing home as of the night before the survey. Residents for whom beds are maintained even though they may be away on overnight leave or in a hospital are included. Excludes residents in personal care or domiciliary care homes. See Appendix II, Nursing home. Age refers to age at time of interview. Civilian population estimates used to compute rates for the 1990s are 1990-based postcensal estimates, as of July 1. Starting with 1997 data, population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Data for additional years are available. See Appendix III.

SOURCES: Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey: 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97). 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.

**This table will be updated on the Web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 102. Nursing home residents 65 years of age and over, by selected functional status and age, sex, and race: United States, 1985, 1995, and 1999**

[Data are based on a sample of nursing home residents]

Age, sex, and race	Functional status <sup>1</sup>											
	Dependent mobility			Incontinent			Dependent eating			Dependent mobility, eating, and incontinent		
	1985	1995	1999	1985	1995	1999	1985	1995	1999	1985	1995	1999
All persons						Percent						
65 years and over, age adjusted <sup>2</sup>	75.7	79.0	80.3	55.0	63.8	65.7	40.9	44.9	47.3	32.5	36.5	36.9
65 years and over, crude	74.8	79.0	80.4	54.5	63.8	65.7	40.5	44.9	47.4	32.1	36.5	37.0
65-74 years	61.2	73.0	73.9	42.9	61.9	58.5	33.5	43.8	43.1	25.7	35.8	31.7
75-84 years	70.5	76.5	77.8	55.1	62.5	64.2	39.4	45.2	46.6	30.6	35.3	35.4
85 years and over	83.3	82.4	83.8	58.1	65.3	68.6	43.9	45.0	49.0	35.6	37.5	39.4
Male												
65 years and over, age adjusted <sup>2</sup>	71.2	76.6	76.6	54.2	63.8	66.6	36.0	42.1	45.2	28.0	34.3	35.0
65 years and over, crude	67.8	75.8	75.9	51.9	63.9	66.0	34.9	42.7	45.1	26.9	34.8	35.0
65-74 years	55.8	70.6	70.5	38.8	63.4	59.6	32.8	44.2	45.0	24.1	36.9	34.8
75-84 years	65.7	76.6	76.9	54.4	64.6	68.9	32.6	44.1	44.7	25.5	35.5	35.2
85 years and over	79.2	78.2	78.1	58.1	63.4	66.8	39.2	40.2	45.7	30.9	32.7	34.9
Female												
65 years and over, age adjusted <sup>2</sup>	77.3	79.7	81.5	55.4	63.6	65.0	42.4	45.6	47.8	33.9	36.9	37.2
65 years and over, crude	77.1	80.1	81.9	55.4	63.8	65.6	42.4	45.6	48.1	33.8	37.0	37.7
65-74 years	64.5	74.8	76.4	45.4	60.9	57.7	34.0	43.6	41.6	26.7	35.0	29.3
75-84 years	72.3	76.5	78.2	55.3	61.7	62.2	42.0	45.7	47.4	32.6	35.2	35.6
85 years and over	84.3	83.3	85.2	58.1	65.7	69.0	45.0	46.0	49.7	36.7	38.6	40.4
White <sup>3</sup>												
65 years and over, age adjusted <sup>2</sup>	75.2	78.5	79.9	54.6	63.2	64.9	40.4	44.2	46.1	32.1	35.7	35.7
65 years and over, crude	74.3	78.7	80.2	54.2	63.3	65.1	40.1	44.2	46.2	31.7	35.7	35.8
65-74 years	60.2	71.4	72.6	42.2	60.2	57.1	32.6	41.9	40.7	24.9	33.8	28.8
75-84 years	69.6	76.4	77.5	54.2	61.8	63.8	38.9	44.9	45.8	30.1	34.7	34.8
85 years and over	83.1	81.9	83.6	58.2	65.0	67.8	43.5	44.3	47.7	35.5	36.9	38.1
Black or African American <sup>3</sup>												
65 years and over, age adjusted <sup>2</sup>	83.4	83.2	82.1	61.0	69.3	71.9	49.2	52.2	55.9	38.2	44.0	46.8
65 years and over, crude	81.1	82.1	81.5	59.9	69.1	70.6	47.9	51.7	54.9	37.7	43.7	45.7
65-74 years	70.9	79.6	78.7	48.6	68.3	64.6	43.1	51.2	53.3	33.8	43.1	42.6
75-84 years	82.5	77.8	80.1	70.1	68.9	67.5	47.9	49.5	49.7	40.6	42.3	41.0
85 years and over	87.4	88.0	84.5	57.9	69.8	77.0	51.7	54.3	61.0	37.6	45.5	52.1

<sup>1</sup>Nursing home residents who are dependent in mobility and eating require the assistance of a person or special equipment. Nursing home residents who are incontinent have difficulty in controlling bowels and/or bladder or have an ostomy or indwelling catheter.

<sup>2</sup>Age adjusted by the direct method to the 1995 National Nursing Home Survey population using the following three age groups: 65-74 years, 75-84 years, and 85 years and over.

<sup>3</sup>Starting with 1999 data, the instruction for the race item on the Current Resident Questionnaire was changed so that more than one race could be recorded. In previous years, only one racial category could be checked. Estimates for racial groups presented in this table are for residents for whom only one race was recorded. Estimates for residents where multiple races were checked are unreliable due to small sample sizes and are not shown.

NOTES: Age refers to age at time of interview. Excludes residents in personal care or domiciliary care homes. Data for additional years are available. See Appendix III.

SOURCES: Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey: 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97) Washington, DC: U.S. Government Printing Office, 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.

**Table 125 (page 1 of 3). Expenses for health care and prescribed medicine, by selected population characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Total expenses <sup>1</sup>										
	Population in millions <sup>2</sup>			Percent of persons with expense				Mean annual expense per person with expense <sup>3</sup>			
	1997	2000	2003	1987	1997	2000	2003	1987	1997	2000	2003
All ages . . . . .	271.3	278.4	290.6	84.5	84.1	83.5	85.6	\$2,530	\$2,779	\$2,885	\$3,601
Under 65 years:											
Total . . . . .	237.1	243.6	253.9	83.2	82.5	81.8	84.0	1,970	2,107	2,273	2,837
Under 6 years . . . . .	23.8	24.1	23.1	88.9	88.0	86.7	91.3	1,673	984	1,201	1,337
6–17 years . . . . .	48.1	48.4	49.9	80.2	81.7	80.0	84.1	1,103	1,104	1,194	1,239
18–44 years . . . . .	108.9	109.0	111.1	81.5	78.3	77.7	79.0	1,731	1,910	2,036	2,598
45–64 years . . . . .	56.3	62.1	69.8	87.0	89.2	88.5	89.6	3,353	3,698	3,806	4,750
Sex											
Male . . . . .	118.0	120.9	126.5	78.8	77.6	76.6	78.7	1,858	1,904	2,176	2,819
Female . . . . .	119.1	122.7	127.4	87.5	87.4	87.0	89.4	2,065	2,286	2,357	2,852
Hispanic origin and race <sup>4</sup>											
Hispanic or Latino . . . . .	29.4	32.0	38.5	71.0	69.5	69.0	70.4	1,571	1,754	1,548	1,931
Not Hispanic or Latino:											
White . . . . .	166.2	169.2	166.2	86.9	87.2	86.6	89.0	1,976	2,261	2,377	2,961
Black or African American . .	31.3	32.1	32.2	72.2	72.1	71.3	76.7	2,383	1,690	2,414	2,698
Other . . . . .	10.2	10.2	17.0	72.8	75.8	76.0	79.9	1,307	1,401	1,937	*3,542
Insurance status <sup>5</sup>											
Any private insurance . . . . .	174.0	181.6	180.1	86.5	86.5	85.9	88.9	1,889	2,147	2,165	2,917
Public insurance only . . . . .	29.8	29.7	38.9	82.4	83.3	83.6	85.5	3,168	2,561	3,450	3,258
Uninsured all year . . . . .	33.3	32.3	34.8	61.8	61.1	57.3	57.4	1,231	1,259	1,603	1,492
65 years and over . . . . .	34.2	34.8	36.7	93.7	95.2	95.5	96.3	6,249	6,818	6,561	8,209
Sex											
Male . . . . .	14.6	15.0	15.8	92.0	94.5	93.4	95.6	6,395	7,662	7,035	8,379
Female . . . . .	19.6	19.8	20.9	94.9	95.7	97.1	96.9	6,147	6,196	6,216	8,084
Hispanic origin and race <sup>4</sup>											
Hispanic or Latino . . . . .	1.7	1.9	2.2	82.5	94.2	92.5	90.6	5,951	7,134	5,888	6,964
Not Hispanic or Latino:											
White . . . . .	28.8	28.9	30.1	94.9	95.9	95.9	97.1	6,152	6,852	6,660	8,265
Black or African American . .	2.8	2.9	3.0	88.5	92.2	94.0	95.0	7,532	6,715	6,310	8,874
Other . . . . .	*	*	1.3	*	*	*	90.9	*	*	*	7,302
Insurance status <sup>6</sup>											
Medicare only . . . . .	8.8	12.0	10.9	85.9	92.1	94.8	94.5	4,922	6,281	5,633	7,535
Medicare and private insurance . . . . .	21.7	19.2	20.6	95.4	97.0	96.0	97.9	6,182	6,649	6,727	8,344
Medicare and other public coverage . . . . .	3.2	3.2	4.6	94.4	93.2	96.3	96.5	9,602	9,609	9,002	9,466

See footnotes at end of table.

**Table 125 (page 2 of 3). Expenses for health care and prescribed medicine, by selected population characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Prescribed medicine expenses							
	Percent of persons with expense				Mean annual out-of-pocket expense per person with out-of-pocket expense <sup>3,7</sup>			
	1987	1997	2000	2003	1987	1997	2000	2003
All ages . . . . .	57.3	62.1	62.3	64.4	\$149	\$232	\$293	\$427
Under 65 years:								
Total . . . . .	54.0	58.7	58.5	60.5	110	164	213	312
Under 6 years . . . . .	61.8	61.3	56.9	57.9	39	40	40	69
6–17 years . . . . .	44.3	48.2	46.2	51.0	73	62	75	121
18–44 years . . . . .	51.3	55.9	56.0	56.5	86	140	161	248
45–64 years . . . . .	65.3	71.8	73.3	74.5	209	305	401	544
Sex								
Male . . . . .	46.5	51.5	51.3	52.7	102	146	187	291
Female . . . . .	61.4	65.8	65.6	68.2	117	178	233	327
Hispanic origin and race <sup>4</sup>								
Hispanic or Latino . . . . .	41.6	47.7	45.0	45.7	79	109	156	218
Not Hispanic or Latino:								
White . . . . .	57.7	63.1	63.8	66.1	115	178	229	333
Black or African American . .	44.1	50.0	47.6	54.1	97	132	175	318
Other . . . . .	41.1	44.8	47.8	51.8	81	142	150	215
Insurance status <sup>5</sup>								
Any private insurance . . . . .	56.5	61.6	61.6	64.4	113	156	183	283
Public insurance only . . . . .	56.5	62.0	62.4	63.6	76	162	305	385
Uninsured all year . . . . .	35.1	40.2	37.6	36.7	121	236	353	428
65 years and over . . . . .	81.6	86.0	88.3	91.0	343	554	666	955
Sex								
Male . . . . .	78.0	82.8	83.9	89.1	319	499	499	793
Female . . . . .	84.0	88.3	91.5	92.5	358	592	781	1,072
Hispanic origin and race <sup>4</sup>								
Hispanic or Latino . . . . .	74.7	87.5	83.9	84.1	453	452	561	832
Not Hispanic or Latino:								
White . . . . .	82.3	86.7	89.0	92.3	350	572	690	985
Black or African American . .	79.5	85.3	85.3	86.8	269	460	568	803
Other . . . . .	*	*	*	83.2	*	*	*	773
Insurance status <sup>6</sup>								
Medicare only . . . . .	70.6	82.1	87.7	89.0	379	640	795	1,253
Medicare and private insurance . . . . .	83.4	88.1	89.0	92.7	356	562	615	871
Medicare and other public coverage . . . . .	88.2	85.0	88.5	92.1	130	310	527	670

See footnotes at end of table.

**Table 125 (page 3 of 3). Expenses for health care and prescribed medicine, by selected population characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

\* Estimates are considered unreliable. Data not shown are based on fewer than 100 sample cases. Data preceded by an asterisk have a relative standard error equal to or greater than 30%.

<sup>1</sup>Includes expenses for inpatient hospital and physician services, ambulatory physician and nonphysician services, prescribed medicines, home health services, dental services, and other medical equipment, supplies, and services that were purchased or rented during the year. Excludes expenses for over-the-counter medications, alternative care services, phone contacts with health providers, and premiums for health insurance.

<sup>2</sup>Includes persons in the civilian noninstitutionalized population for all or part of the year. Expenditures for persons only in this population for part of the year are restricted to those incurred during periods of eligibility (e.g., expenses incurred during periods of institutionalization and military service are not included in estimates).

<sup>3</sup>Estimates of expenses have been updated to 2003 dollars using the Consumer Price Index (all items) and differ from the previous edition of *Health, United States*. See Appendix II, Consumer Price Index (CPI).

<sup>4</sup>Persons of Hispanic origin may be of any race. Starting with 2002 data, MEPS respondents were allowed to report multiple races and these persons are included in the Other category. As a result, there is a slight increase in percentage of persons classified in the Other category in 2002 compared with prior years.

<sup>5</sup>Any private insurance includes individuals with insurance that provided coverage for hospital and physician care at any time during the year, other than Medicare, Medicaid, or other public coverage for hospital or physician services. Public insurance only includes individuals who were not covered by private insurance at any time during the year but were covered by Medicare, Medicaid, other public coverage for hospital or physician services, and/or CHAMPUS/CHAMPVA (TRICARE) at any point during the year. Uninsured includes persons not covered by either private or public insurance throughout the entire year or period of eligibility for the survey.

<sup>6</sup>Populations do not add to total because uninsured persons and persons with unknown insurance status were excluded.

<sup>7</sup>Includes expenses for all prescribed medications that were purchased or refilled during the survey year.

NOTES: 1987 estimates are based on National Medical Expenditure Survey (NMES) while estimates for other years are based on Medical Expenditure Panel Survey (MEPS). Because expenditures in NMES were based primarily on charges while those for MEPS were based on payments, NMES data were adjusted to be more comparable to MEPS using estimated charge to payment ratios for 1987. Overall, this resulted in about an 11% reduction from the unadjusted 1987 NMES expenditure estimates. See Zuvekas S, Cohen S. A guide to comparing health care expenditures in the 1996 MEPS to the 1987 NMES. *Inquiry* 2002;39(1):76–86. Data for additional years are available. See Appendix III.

SOURCE: Agency for Healthcare Research and Quality, Center for Cost and Financing Studies. 1987 National Medical Expenditure Survey and 1996–2003 Medical Expenditure Panel Surveys.



**Table 126 (page 1 of 3). Sources of payment for health care, by selected population characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	All sources	Source of payment for health care							
		Out of pocket				Private insurance <sup>1</sup>			
		1987	1997	2000	2003	1987	1997	2000	2003
		Percent distribution							
All ages . . . . .	100.0	24.8	19.4	19.4	19.6	36.6	40.3	40.3	41.6
Under 65 years:									
Total . . . . .	100.0	26.2	21.1	20.3	20.0	46.6	53.1	52.5	54.0
Under 6 years . . . . .	100.0	18.5	14.2	10.3	10.1	39.5	49.3	51.2	53.2
6–17 years . . . . .	100.0	35.7	29.0	27.7	26.2	47.3	53.2	48.8	47.9
18–44 years . . . . .	100.0	27.4	21.1	19.9	18.8	46.8	52.9	51.2	52.5
45–64 years . . . . .	100.0	24.0	20.1	20.2	20.8	47.8	53.6	54.5	56.3
Sex									
Male . . . . .	100.0	24.5	21.3	18.1	18.0	44.6	50.3	52.2	53.6
Female . . . . .	100.0	27.5	21.0	22.1	21.8	48.1	55.1	52.7	54.3
Hispanic origin and race <sup>2</sup>									
Hispanic or Latino . . . . .	100.0	22.0	18.8	20.5	17.7	36.1	42.3	45.8	41.8
Not Hispanic or Latino:									
White . . . . .	100.0	28.2	21.8	21.7	22.1	50.1	55.8	55.1	59.6
Black or African American . . . . .	100.0	15.5	17.1	11.8	14.2	30.0	42.3	40.5	36.8
Other . . . . .	100.0	27.2	21.2	17.0	*12.0	46.7	45.2	51.2	40.0
Insurance status									
Any private insurance <sup>3</sup> . . . . .	100.0	29.0	21.6	21.2	19.7	60.0	67.6	70.2	69.9
Public insurance only <sup>4</sup> . . . . .	100.0	8.9	10.6	9.8	12.8	...	...	...	...
Uninsured all year <sup>5</sup> . . . . .	100.0	40.6	41.3	40.4	51.8	...	...	...	...
65 years and over . . . . .	100.0	22.0	16.3	17.5	18.8	15.8	16.5	14.9	15.8
Sex									
Male . . . . .	100.0	21.7	14.2	14.2	15.2	17.6	20.1	16.8	17.3
Female . . . . .	100.0	22.2	18.1	20.2	21.6	14.4	13.2	13.3	14.7
Hispanic origin and race <sup>2</sup>									
Hispanic or Latino . . . . .	100.0	*13.5	13.6	13.9	14.9	*4.7	5.9	8.4	5.1
Not Hispanic or Latino:									
White . . . . .	100.0	23.7	17.0	18.3	19.5	16.7	17.9	15.2	17.0
Black or African American . . . . .	100.0	11.2	11.4	13.6	15.8	*11.9	8.8	9.3	10.2
Other . . . . .	100.0	*	*	*	16.7	*	*	*	*16.0
Insurance status									
Medicare only . . . . .	100.0	29.8	19.8	22.2	23.4	...	...	...	...
Medicare and private insurance . . . . .	100.0	23.4	17.3	17.0	18.7	18.9	25.7	25.3	26.9
Medicare and other public coverage . . . . .	100.0	*6.2	5.2	9.1	10.1	...	...	...	...

See footnotes at end of table.

**Table 126 (page 2 of 3). Sources of payment for health care, by selected population characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Source of payment for health care							
	Public coverage <sup>6</sup>				Other <sup>7</sup>			
	1987	1997	2000	2003	1987	1997	2000	2003
	Percent distribution							
All ages . . . . .	34.1	34.4	35.4	33.1	4.5	5.9	5.0	5.7
Under 65 years:								
Total . . . . .	21.3	18.1	21.3	19.0	6.0	7.7	6.0	7.0
Under 6 years . . . . .	35.8	25.4	33.6	31.0	6.2	11.2	4.9	5.7
6–17 years . . . . .	11.8	14.1	20.1	22.4	5.2	3.7	3.4	3.5
18–44 years . . . . .	19.4	15.7	21.1	17.3	6.4	10.3	7.8	*11.5
45–64 years . . . . .	22.4	20.3	20.2	18.6	5.8	6.0	5.2	4.3
Sex								
Male . . . . .	23.9	19.5	23.5	19.0	7.1	8.9	6.3	*9.5
Female . . . . .	19.2	17.0	19.5	19.0	5.2	6.8	5.7	4.9
Hispanic origin and race <sup>2</sup>								
Hispanic or Latino . . . . .	35.8	28.9	27.5	31.2	6.0	10.0	6.2	9.3
Not Hispanic or Latino:								
White . . . . .	15.9	15.3	18.0	14.2	5.8	7.1	5.2	4.1
Black or African American . .	47.2	30.7	38.8	43.9	7.3	9.9	8.8	5.1
Other . . . . .	21.0	23.7	19.0	*15.0	5.1	9.9	*12.8	*33.0
Insurance status								
Any private insurance <sup>3</sup> . . . . .	6.2	6.6	5.3	4.7	4.8	4.2	3.3	*5.7
Public insurance only <sup>4</sup> . . . . .	87.2	80.7	84.4	81.4	3.9	8.7	5.8	5.8
Uninsured all year <sup>5</sup> . . . . .	28.6	7.5	*21.2	15.1	30.9	51.1	38.4	33.1
65 years and over . . . . .	60.8	64.8	64.7	62.5	1.5	2.5	2.9	2.9
Sex								
Male . . . . .	58.8	63.4	66.9	64.8	*1.9	2.3	2.2	2.8
Female . . . . .	62.3	65.9	63.0	60.7	1.1	2.7	3.5	3.0
Hispanic origin and race <sup>2</sup>								
Hispanic or Latino . . . . .	80.2	77.8	75.6	78.3	*1.6	*2.7	*2.2	1.6
Not Hispanic or Latino:								
White . . . . .	58.0	62.6	64.1	60.9	1.6	2.5	2.4	2.6
Black or African American . .	76.3	77.6	68.3	70.4	0.6	2.2	*8.9	*3.7
Other . . . . .	*	*	*	58.0	*	*	*	*9.3
Insurance status								
Medicare only . . . . .	68.8	72.4	72.2	68.2	1.4	7.7	5.7	8.4
Medicare and private insurance . . . . .	56.1	56.3	57.1	54.0	1.6	0.6	*0.6	0.4
Medicare and other public coverage . . . . .	92.9	92.7	87.3	87.6	1.0	*2.1	*3.6	*1.6

See footnotes at end of table.

**Table 126 (page 3 of 3). Sources of payment for health care, by selected population characteristics: United States, selected years 1987–2003**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

. . . Category not applicable.

\* Estimates are considered unreliable. Estimates based on fewer than 100 sample cases or with a relative standard error of 30% or higher are not shown.

<sup>1</sup>Private insurance includes any type of private insurance payments reported for people with private health insurance coverage during the year.

<sup>2</sup>Persons of Hispanic origin may be of any race. Starting with 2002 data, MEPS respondents were allowed to report multiple races and these persons are included in the Other category. As a result, there is a slight increase in the percent of persons classified in the Other category in 2002 compared with prior years.

<sup>3</sup>Includes individuals with insurance that provided coverage for hospital and physician care at any time during the year, other than Medicare, Medicaid, or other public coverage for hospital or physician services.

<sup>4</sup>Includes individuals who were not covered by private insurance at any time during the year but were covered by Medicare, Medicaid, other public coverage for hospital or physician services, and/or CHAMPUS/CHAMPVA (TRICARE) at any point during the year.

<sup>5</sup>Includes individuals not covered by either private or public insurance throughout the entire year or period of eligibility for the survey. However, a portion of expenses for the uninsured was paid by sources that were not defined as health insurance coverage, such as the Department of Veterans Affairs, community and neighborhood clinics, the Indian Health Service, state and local health departments, state programs other than Medicaid, Workers' Compensation, and other unclassified sources (e.g., automobile, homeowner's, liability insurance).

<sup>6</sup>Public coverage includes payments made by Medicare, Medicaid, the Department of Veterans Affairs, other federal sources (e.g., Indian Health Service, military treatment facilities, and other care provided by the federal government), and various state and local sources (e.g., community and neighborhood clinics, state and local health departments, and state programs other than Medicaid).

<sup>7</sup>Other sources includes Workers' Compensation, unclassified sources (automobile, homeowners', or liability insurance, and other miscellaneous or unknown sources), Medicaid payments reported for people who were not enrolled in the program at any time during the year, and any type of private insurance payments reported for people without private health insurance coverage during the year as defined in the survey.

NOTES: 1987 estimates are based on the National Medical Expenditure Survey (NMES); estimates for other years are based on the Medical Expenditure Panel Survey (MEPS). Because expenditures in NMES were based primarily on charges while those for MEPS were based on payments, data for NMES were adjusted to be more comparable to MEPS using estimated charge to payment ratios for 1987. Overall, this resulted in an approximate 11% reduction from the unadjusted 1987 NMES expenditure estimates. For a detailed explanation of this adjustment, see Zuvekas S, Cohen S. A guide to comparing health care estimates in the 1996 Medical Expenditure Panel Survey to the 1987 National Medical Expenditure Survey. *Inquiry* 2002;39(1):76–86. Data for additional years are available. See Appendix III.

SOURCE: Agency for Healthcare Research and Quality, Center for Cost and Financing Studies. 1987 National Medical Expenditure Survey and 1996–2003 Medical Expenditure Panel Survey.

**Table 127. Out-of-pocket health care expenses among persons with medical expenses, by age: United States, selected years 1987–2003**

[Data are based on household interviews for a sample of the noninstitutionalized population and a sample of medical providers]

Age and year	Percent of persons with expenses	Amount paid out of pocket among persons with expenses <sup>1</sup>						
		Total	\$0	\$1–124	\$125–249	\$250–499	\$500–999	\$1,000+
All ages		Percent distribution						
1987	84.5	100.0	10.4	29.2	16.6	17.4	13.3	13.1
1999	84.3	100.0	7.4	35.9	15.5	15.6	12.8	12.7
2000	83.5	100.0	6.9	34.8	15.0	16.2	13.0	14.1
2001	85.4	100.0	7.1	31.7	14.7	16.6	13.8	16.2
2002	85.2	100.0	7.8	29.8	14.3	15.7	14.8	17.6
2003	85.6	100.0	7.6	28.0	14.0	15.8	15.2	19.5
Under 6 years								
1987	88.9	100.0	19.2	38.7	18.9	14.7	5.3	3.2
1999	87.9	100.0	17.7	60.5	12.2	5.9	2.6	1.1
2000	86.7	100.0	16.7	61.0	11.1	7.5	2.4	1.3
2001	88.8	100.0	18.5	57.8	12.9	7.6	2.1	1.1
2002	88.8	100.0	21.5	51.7	14.0	7.7	3.9	1.3
2003	91.3	100.0	20.6	51.7	13.3	8.5	4.2	1.6
6–17 years								
1987	80.2	100.0	15.5	37.9	18.2	12.4	8.5	7.6
1999	81.5	100.0	15.0	46.6	15.4	11.2	6.0	5.8
2000	80.0	100.0	14.7	46.5	14.5	11.2	6.5	6.6
2001	83.2	100.0	15.0	45.2	15.0	11.1	6.0	7.7
2002	83.6	100.0	16.6	43.2	14.7	12.0	6.8	6.7
2003	84.1	100.0	16.1	40.6	15.5	12.2	7.9	7.8
18–44 years								
1987	81.5	100.0	10.1	32.3	17.7	18.2	11.9	9.8
1999	78.9	100.0	6.4	40.2	17.6	16.6	11.1	8.1
2000	77.7	100.0	5.8	39.1	17.8	17.1	11.7	8.5
2001	79.3	100.0	6.0	34.8	17.5	18.8	13.3	9.7
2002	78.5	100.0	6.7	34.2	17.4	17.1	13.9	10.8
2003	79.0	100.0	6.4	31.6	17.4	18.3	14.0	12.3
45–64 years								
1987	87.0	100.0	5.7	20.4	15.6	20.7	18.8	18.8
1999	88.9	100.0	2.7	24.0	16.4	19.7	19.0	18.2
2000	88.5	100.0	2.6	22.3	15.6	19.9	18.8	20.9
2001	89.9	100.0	2.4	19.6	13.9	20.4	19.8	23.8
2002	90.0	100.0	2.3	18.8	12.8	19.1	21.3	25.8
2003	89.6	100.0	2.4	17.2	12.3	17.7	21.4	29.1
65–74 years								
1987	92.8	100.0	5.3	15.4	11.6	18.5	22.1	27.1
1999	95.3	100.0	1.4	16.1	11.3	17.9	23.7	29.6
2000	94.7	100.0	1.5	14.4	10.6	20.2	20.1	33.2
2001	95.6	100.0	1.5	14.4	9.9	18.3	21.7	34.2
2002	96.1	100.0	1.8	10.1	9.9	16.4	22.5	39.3
2003	95.3	100.0	1.7	9.0	8.2	15.6	24.5	41.0
75 years or more								
1987	95.1	100.0	5.6	12.9	10.0	17.1	21.2	33.2
1999	95.3	100.0	2.6	14.5	10.2	18.6	20.2	33.8
2000	96.5	100.0	2.6	14.2	8.4	18.2	22.0	34.6
2001	97.0	100.0	1.7	10.1	9.2	14.4	21.1	43.6
2002	96.5	100.0	2.2	9.0	7.7	14.4	20.4	46.2
2003	97.5	100.0	1.9	8.7	7.0	13.4	20.1	48.9

<sup>1</sup>1987 dollars were converted to 1998 dollars using the national Consumer Price Index. Starting with 1998 data, percent distributions are based on actual dollars (nonadjusted).

NOTES: Out-of-pocket expenses include expenditures for inpatient hospital and physician services, ambulatory physician and nonphysician services, prescribed medicines, home health services, dental services, and various other medical equipment, supplies, and services that were purchased or rented during the year. Out-of-pocket expenses for over-the-counter medications, alternative care services, phone contacts with health providers, and premiums for health insurance policies are not included in these estimates. 1987 estimates are based on the National Medical Expenditure Survey (NMES), while estimates for other years are based on the Medical Expenditure Panel Survey (MEPS). Because expenditures in NMES were based primarily on charges while those for MEPS were based on payments, data for the NMES were adjusted to be more comparable to MEPS using estimated charge to payment ratios for 1987. Overall, this resulted in an approximate 11% reduction from the unadjusted 1987 NMES expenditure estimates. For a detailed explanation of this adjustment, see Zuvekas S, Cohen S. A guide to comparing health care expenditures in the 1996 MEPS to the 1987 NMES. Inquiry 2002;39(1):76–86. Data for additional years are available. See Appendix III.

SOURCES: Agency for Healthcare Research and Quality, Center for Cost and Financing Studies. 1987 National Medical Expenditure Survey and 1998–2003 Medical Expenditure Panel Survey.

**Table 136 (page 1 of 2). Health insurance coverage for persons 65 years of age and over, by type of coverage and selected characteristics: United States, selected years 1992–2003**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Medicare risk Health Maintenance Organization <sup>1</sup>					Medicaid <sup>2</sup>				
	1992	1995	2000	2002	2003	1992	1995	2000	2002	2003
Age										
Number in millions										
65 years and over . . . . .	1.1	2.6	5.9	4.5	4.3	2.7	2.8	2.7	3.0	3.3
Percent of population										
65 years and over . . . . .	3.9	8.9	19.3	14.4	13.7	9.4	9.6	9.0	9.7	10.4
65–74 years . . . . .	4.2	9.5	20.6	14.7	13.0	7.9	8.8	8.5	8.9	10.4
75–84 years . . . . .	3.7	8.3	18.5	14.3	15.0	10.6	9.6	8.9	10.0	10.3
85 years and over . . . . .	*	7.3	16.3	13.4	12.5	16.6	13.6	11.2	12.4	11.3
Sex										
Male . . . . .	4.6	9.2	19.3	13.8	12.8	6.3	6.2	6.3	6.8	7.3
Female . . . . .	3.4	8.6	19.3	14.8	14.4	11.6	12.0	10.9	11.9	12.9
Race and Hispanic origin										
White, not Hispanic or Latino . . .	3.6	8.4	18.4	13.2	12.5	5.6	5.4	5.1	5.6	6.0
Black, not Hispanic or Latino . . .	*	7.9	20.7	15.6	13.7	28.5	30.3	23.6	26.6	30.0
Hispanic . . . . .	*	15.5	27.5	24.9	25.2	39.0	40.5	28.7	29.0	28.4
Percent of poverty level <sup>3</sup>										
Below 100% . . . . .	3.6	7.7	18.4	13.1	---	22.3	17.2	15.9	17.4	---
100%–less than 200% . . . . .	3.7	9.5	23.4	17.4	---	6.7	6.3	8.4	9.4	---
200% or more . . . . .	4.2	10.1	18.0	14.3	---	*	*	*	*	---
Marital status										
Married . . . . .	4.6	9.5	18.7	13.7	13.2	4.0	4.3	4.3	4.9	5.2
Widowed . . . . .	2.3	7.7	19.4	15.4	14.3	14.9	15.0	13.6	15.0	15.8
Divorced . . . . .	*	9.7	24.4	16.7	16.0	23.4	24.5	20.2	19.4	22.3
Never married . . . . .	*	*	15.8	*	*	19.2	19.0	17.0	19.3	21.6
Employer-sponsored plan <sup>4</sup>										
Medigap <sup>5</sup>										
Characteristic	1992	1995	2000	2002	2003	1992	1995	2000	2002	2003
Age										
Number in millions										
65 years and over . . . . .	12.5	11.3	10.7	11.0	11.3	9.9	9.5	7.6	8.1	8.2
Percent of population										
65 years and over . . . . .	42.8	38.6	35.2	35.5	35.9	33.9	32.5	25.0	25.9	26.2
65–74 years . . . . .	46.9	41.1	36.6	37.8	38.4	31.4	29.9	21.7	22.9	23.0
75–84 years . . . . .	38.2	37.1	35.0	34.2	33.8	37.5	35.2	27.8	28.1	28.9
85 years and over . . . . .	31.6	30.2	29.4	29.0	31.5	38.3	37.6	31.1	32.3	31.5
Sex										
Male . . . . .	46.3	42.1	37.7	38.5	39.0	30.6	30.0	23.4	23.1	23.8
Female . . . . .	40.4	36.0	33.4	33.2	33.5	36.2	34.4	26.2	28.0	27.9
Race and Hispanic origin										
White, not Hispanic or Latino . . .	45.9	41.3	38.6	38.5	38.9	37.2	36.2	28.3	29.1	29.6
Black, not Hispanic or Latino . . .	25.9	26.7	22.0	23.9	25.8	13.6	10.2	7.5	10.1	9.2
Hispanic . . . . .	20.7	16.9	15.8	20.0	18.9	15.8	10.1	11.3	11.6	12.0
Percent of poverty level <sup>3</sup>										
Below 100% . . . . .	29.0	32.1	28.1	31.1	---	30.8	29.8	22.6	22.6	---
100%–less than 200% . . . . .	37.5	32.0	27.0	26.2	---	39.3	39.1	28.4	29.5	---
200% or more . . . . .	58.4	52.8	49.0	46.2	---	32.8	32.2	26.2	28.0	---
Marital status										
Married . . . . .	49.9	44.6	41.0	41.7	41.9	33.0	32.6	25.6	25.8	26.9
Widowed . . . . .	34.1	30.3	28.7	27.9	28.4	37.5	35.2	26.7	28.3	27.5
Divorced . . . . .	27.3	26.6	22.4	22.5	23.7	27.9	24.1	16.9	20.5	19.3
Never married . . . . .	38.0	35.1	28.5	31.5	31.3	29.1	26.2	21.9	20.7	19.4

See footnotes at end of table.

**Table 136 (page 2 of 2). Health insurance coverage for persons 65 years of age and over, by type of coverage and selected characteristics: United States, selected years 1992–2003**

[Data are based on household interviews of a sample of the civilian noninstitutionalized population]

Characteristic	Medicare fee-for-service only or Other <sup>6</sup>				
	1992	1995	2000	2002	2003
Age					
Number in millions					
65 years and over . . . . .	2.9	3.1	3.5	4.5	4.4
Percent of population					
65 years and over . . . . .	9.9	10.5	11.5	14.5	13.9
65–74 years . . . . .	9.7	10.7	12.6	15.7	15.3
75–84 years . . . . .	10.1	9.9	9.9	13.4	12.1
85 years and over . . . . .	10.8	11.3	12.1	13.0	13.3
Sex					
Male . . . . .	12.2	12.6	13.3	17.8	17.1
Female . . . . .	8.3	8.9	10.2	12.1	11.4
Race and Hispanic origin					
White, not Hispanic or Latino . . .	7.7	8.7	9.6	13.6	13.0
Black, not Hispanic or Latino . . .	26.7	25.0	26.1	23.8	21.4
Hispanic . . . . .	18.3	17.1	16.7	14.6	15.4
Percent of poverty level <sup>3</sup>					
Below 100% . . . . .	14.3	13.3	15.1	15.9	---
100%–less than 200% . . . . .	12.9	13.1	12.7	17.5	---
200% or more . . . . .	4.0	4.5	6.3	11.2	---
Marital status					
Married . . . . .	8.5	9.0	10.5	13.9	12.8
Widowed . . . . .	11.2	11.9	11.6	13.4	14.0
Divorced . . . . .	15.7	15.1	16.1	21.0	18.8
Never married . . . . .	*	13.1	16.8	18.5	18.2

\* Sample cell size is 50 or fewer.

--- Data not available.

<sup>1</sup>Enrollee has Medicare risk Health Maintenance Organization (HMO) regardless of other insurance. See Appendix II, Managed care.

<sup>2</sup>Enrolled in Medicaid and not enrolled in a Medicare risk HMO. See Appendix II, Managed care.

<sup>3</sup>Percent of poverty level is based on family income and family size and composition using U.S. Census Bureau poverty thresholds. See Appendix II, Family income: Poverty.

<sup>4</sup>Private insurance plans purchased through employers (own, current, or former employer, family business, union, or former employer or union of spouse) and not enrolled in a Medicare risk HMO or Medicaid.

<sup>5</sup>Supplemental insurance purchased privately or through organizations such as AARP or professional organizations, and not enrolled in a Medicare risk HMO, Medicaid, or employer-sponsored plan.

<sup>6</sup>Medicare fee-for-service only or other public plans (except Medicaid).

NOTES: Insurance categories are mutually exclusive. Data for additional years are available. See Appendix III.

SOURCES: Centers for Medicare & Medicaid Services, Medicare Current Beneficiary Survey. Data compiled by the National Center for Health Statistics, Trends in Health and Aging. Available from: [www.cdc.gov/nchs/agingact.htm](http://www.cdc.gov/nchs/agingact.htm).

**Table 138. Medicare enrollees and program payments among fee-for-service Medicare beneficiaries, by sex and age: United States and other areas, 1994–2003**

[Data are compiled from administrative data by the Centers for Medicare & Medicaid Services]

<i>Sex and age</i>	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Fee-for-service enrollees in thousands										
Total . . . . .	34,076	34,062	33,704	33,009	32,349	32,179	32,740	33,860	34,977	35,815
Sex										
Male . . . . .	14,533	14,563	14,440	14,149	13,902	13,872	14,195	14,746	15,314	15,736
Female . . . . .	19,543	19,499	19,264	18,860	18,477	18,307	18,545	19,113	19,664	20,079
Age										
Under 65 years . . . . .	4,031	4,239	4,413	4,498	4,617	4,742	4,907	5,172	5,448	5,732
65–74 years . . . . .	16,713	16,373	15,810	15,099	14,433	14,072	14,230	14,689	15,107	15,390
75–84 years . . . . .	9,845	9,911	9,915	9,847	9,722	9,748	9,919	10,211	10,533	10,701
85 years and over . . . . .	3,486	3,540	3,566	3,565	3,577	3,618	3,684	3,787	3,889	3,991
Fee-for-service program payments in billions										
Total . . . . .	\$ 146.6	\$ 159.0	\$ 167.1	\$ 175.4	\$ 168.2	\$ 166.7	\$ 174.3	\$ 197.5	\$ 215.4	\$ 232.8
Sex										
Male . . . . .	63.9	68.8	71.0	75.4	72.9	73.2	76.2	86.3	94.3	102.2
Female . . . . .	82.6	90.2	95.1	100.1	95.3	93.5	98.0	111.2	121.1	130.6
Age										
Under 65 years . . . . .	18.8	21.0	24.2	25.8	23.7	24.3	25.8	29.7	33.2	37.3
65–74 years . . . . .	55.1	58.1	58.7	59.7	57.3	56.0	57.5	64.6	70.0	75.2
75–84 years . . . . .	50.7	55.3	58.1	61.7	59.7	59.5	62.7	70.9	77.1	82.5
85 years and over . . . . .	21.8	24.6	26.1	28.2	27.3	26.9	28.3	32.3	35.1	37.8
Percent distribution of fee-for-service program payments										
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sex										
Male . . . . .	43.6	43.2	42.5	43.0	43.3	43.9	43.7	43.7	43.8	43.9
Female . . . . .	56.4	56.8	56.9	57.0	56.7	56.1	56.3	56.3	56.2	56.1
Age										
Under 65 years . . . . .	12.9	13.2	14.5	14.7	14.1	14.6	14.8	15.0	15.4	16.0
65–74 years . . . . .	37.6	36.5	35.2	34.0	34.1	33.6	33.0	32.7	32.5	32.3
75–84 years . . . . .	34.6	34.8	34.8	35.2	35.5	35.7	36.0	35.9	35.8	35.4
85 years and over . . . . .	14.9	15.5	15.6	16.1	16.3	16.1	16.2	16.4	16.3	16.2
Average fee-for-service payment per enrollee										
Total . . . . .	\$ 4,301	\$ 4,667	\$ 4,957	\$ 5,314	\$ 5,198	\$ 5,180	\$ 5,323	\$ 5,833	\$ 6,159	\$ 6,501
Sex										
Male . . . . .	4,397	4,721	4,918	5,326	5,243	5,275	5,370	5,853	6,157	6,496
Female . . . . .	4,229	4,627	4,934	5,306	5,165	5,108	5,286	5,818	6,159	6,505
Age										
Under 65 years . . . . .	4,673	4,960	5,475	5,735	5,143	5,117	5,252	5,746	6,102	6,499
65–74 years . . . . .	3,300	3,548	3,715	3,953	3,973	3,982	4,040	4,400	4,635	4,887
75–84 years . . . . .	5,152	5,576	5,856	6,267	6,145	6,106	6,320	6,939	7,317	7,713
85 years and over . . . . .	6,267	6,950	7,321	7,919	7,641	7,428	7,684	8,529	9,019	9,474

NOTES: Table includes data for Medicare enrollees residing in Puerto Rico, U.S. Virgin Islands, Guam, other outlying areas, foreign countries, and unknown residence. Number of fee-for-service enrollees is based on 5-percent annual Denominator File using the Centers for Medicare & Medicaid Services' (CMS) Enrollment Database and Group Health Plan data. Fee-for-service program payments are based on a 5-percent annual Denominator File and fee-for-service billing reimbursement for a 5-percent sample of Medicare beneficiaries as recorded in CMS' National Claims History using CMS' Enrollment Database, Group Health Plan, and National Claims History data. See Appendix II, Medicare.

SOURCE: Centers for Medicare & Medicaid Services, Office of Research, Development, and Information. Health Care Financing Review: Medicare and Medicaid Statistical Supplements for years 1996 to 2005. Website: [www.cms.hhs.gov/review/supp/](http://www.cms.hhs.gov/review/supp/).



**Table 139 (page 1 of 2). Medicare beneficiaries by race and ethnicity, by selected characteristics: United States, 1992, 2001, and 2002**

[Data are based on household interviews of a sample of current Medicare beneficiaries and Medicare administrative records]

Characteristic	Not Hispanic or Latino											
	All			White			Black or African American			Hispanic or Latino		
	1992	2001	2002	1992	2001	2002	1992	2001	2002	1992	2001	2002
Number of beneficiaries in millions												
All Medicare beneficiaries . . . . .	36.8	41.2	41.8	30.9	32.7	32.9	3.3	3.8	3.9	1.9	3.0	3.1
Percent distribution of beneficiaries												
All Medicare beneficiaries . . . . .	100.0	100.0	100.0	84.2	79.8	79.2	8.9	9.3	9.4	5.2	7.2	7.4
Medical care use												
Percent of beneficiaries with at least one service												
All Medicare beneficiaries: Long-term care facility stay . . . . .	7.7	9.1	9.5	8.0	9.8	10.2	6.2	8.1	8.8	4.2	4.8	5.5
Community-only residents:												
Inpatient hospital . . . . .	17.9	19.8	20.2	18.1	20.1	20.2	18.4	20.2	23.4	16.6	16.2	16.3
Outpatient hospital . . . . .	57.9	70.3	77.7	57.8	71.4	72.8	61.1	69.1	70.3	53.1	61.6	67.7
Physician/supplier <sup>1</sup> . . . . .	92.4	95.3	95.6	93.0	96.3	96.5	89.1	92.1	91.0	87.9	91.8	93.3
Dental . . . . .	40.4	44.0	43.6	43.1	48.3	47.5	23.5	21.8	22.8	29.1	30.9	33.2
Prescription medicine . . . . .	85.2	91.6	91.6	85.5	92.1	92.2	83.1	90.3	88.7	84.6	90.2	90.9
Expenditures												
Expenditures per beneficiary												
All Medicare beneficiaries:												
Total health care <sup>2</sup> . . . . .	\$6,716	\$11,403	\$13,010	\$6,816	\$11,478	\$13,010	\$7,043	\$13,279	\$15,260	\$5,784	\$8,903	\$12,303
Long-term care facility <sup>3</sup> . . . . .	1,581	2,503	2,485	1,674	2,636	2,609	1,255	2,753	2,931	*758	1,486	1,602
Community-only residents:												
Total personal health care . . . . .	5,054	8,626	10,313	4,988	8,636	10,314	5,530	9,483	*8,403	4,938	7,121	*12,541
Inpatient hospital . . . . .	2,098	2,771	2,990	2,058	2,739	2,899	2,493	3,411	3,857	1,999	2,835	2,931
Outpatient hospital . . . . .	504	957	1,060	478	896	1,009	668	1,483	1,583	511	812	100
Physician/supplier <sup>1</sup> . . . . .	1,524	2,760	2,968	1,525	2,801	2,950	1,398	2,581	2,846	1,587	2,609	3,216
Dental . . . . .	142	271	258	153	300	285	70	107	131	97	206	174
Prescription medicine . . . . .	468	1,338	1,504	481	1,369	1,541	417	1,271	1,425	389	1,069	1,282
Long-term care facility residents only:												
Long-term care facility <sup>4</sup> . . . . .	23,054	35,384	34,330	23,177	33,939	33,260	21,272	33,903	44,696	*25,026	31,788	36,832
Sex												
Percent distribution of beneficiaries												
Both sexes . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	42.9	43.8	43.9	42.7	43.6	44.1	42.0	42.2	42.5	46.7	46.7	46.5
Female . . . . .	57.1	56.2	56.1	57.3	56.4	55.9	58.0	57.9	57.5	53.3	54.3	53.4
Eligibility criteria and age												
All Medicare beneficiaries <sup>5</sup> . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Disabled . . . . .	10.2	13.9	14.1	8.6	11.9	12.0	19.1	25.6	26.1	16.5	19.2	19.6
Under 45 years . . . . .	3.5	3.8	3.8	2.9	3.2	3.2	7.6	7.9	7.4	6.9	4.6	5.1
45-64 years . . . . .	6.5	10.1	10.3	5.8	8.7	8.8	11.5	17.8	18.7	9.6	14.6	14.5
Aged . . . . .	89.8	86.1	85.9	91.4	88.1	88.0	81.0	74.4	73.9	83.5	80.8	80.4
65-74 years . . . . .	51.5	45.3	44.8	52.0	45.5	44.9	48.0	40.0	40.7	49.4	48.2	46.0
75-84 years . . . . .	28.8	30.2	30.3	29.5	31.3	31.8	24.0	25.7	24.3	27.1	24.0	24.7
85 years and over . . . . .	9.7	10.7	10.8	9.9	11.3	11.3	9.0	8.7	8.9	6.9	8.7	9.7
Living arrangement												
All living arrangements . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Alone . . . . .	27.0	28.9	29.4	27.5	29.3	29.6	27.7	30.7	33.5	20.2	24.9	24.2
With spouse . . . . .	51.2	49.5	49.3	53.3	51.6	51.8	33.3	30.7	28.1	50.4	49.3	49.3
With children . . . . .	9.1	9.3	9.2	7.7	7.3	7.4	16.8	21.0	19.1	16.6	13.5	13.5
With others . . . . .	7.6	7.4	7.2	6.2	6.5	5.9	18.1	13.3	14.9	10.8	9.3	9.9
Long-term care facility . . . . .	5.1	5.0	4.9	5.3	5.3	5.3	4.0	4.4	4.4	*2.0	2.9	3.1

See footnotes at end of table.

**Table 139 (page 2 of 2). Medicare beneficiaries by race and ethnicity, by selected characteristics: United States, 1992, 2001, and 2002**

[Data are based on household interviews of a sample of current Medicare beneficiaries and Medicare administrative records]

Characteristic	Not Hispanic or Latino											
	All			White			Black or African American			Hispanic or Latino		
	1992	2001	2002	1992	2001	2002	1992	2001	2002	1992	2001	2002
Age and limitation of activity <sup>6</sup>	Percent distribution of beneficiaries											
Disabled . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	22.7	28.3	25.9	21.8	27.0	24.8	26.2	32.9	33.3	21.2	27.4	21.9
IADL only . . . . .	39.0	35.3	36.4	38.9	34.5	37.0	35.8	36.0	32.6	46.1	36.6	40.9
1 or 2 ADL . . . . .	21.2	20.2	21.3	21.5	21.6	20.8	21.2	20.0	21.8	*20.9	14.4	*22.1
3–5 ADL . . . . .	17.2	16.2	16.4	17.9	16.9	17.4	*16.8	11.2	*12.3	*11.9	21.6	*15.1
65–74 years . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	67.0	70.9	70.1	68.7	27.0	71.3	55.1	64.2	62.5	59.2	69.7	68.9
IADL only . . . . .	17.8	16.1	16.1	17.0	34.5	15.7	22.9	20.3	20.0	*20.9	16.4	16.1
1 or 2 ADL . . . . .	10.4	8.4	9.5	9.6	21.6	9.2	14.4	8.5	*9.1	*15.7	8.4	*9.4
3–5 ADL . . . . .	4.8	4.6	4.3	4.6	4.2	3.8	*7.6	7.0	*8.3	*4.2	5.5	*5.7
75–84 years . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	46.6	52.6	50.7	47.5	53.5	52.2	42.0	45.9	40.7	44.3	49.9	44.3
IADL only . . . . .	23.9	23.2	24.0	23.6	23.0	23.5	26.7	25.0	24.7	*27.8	23.7	29.1
1 or 2 ADL . . . . .	16.5	13.0	13.9	16.8	12.8	13.5	15.3	14.0	*19.0	*14.9	15.6	*13.1
3–5 ADL . . . . .	13.0	11.2	11.4	12.2	10.8	10.8	*15.9	15.1	15.5	*13.0	*10.8	*13.5
85 years and over . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	19.9	25.1	24.8	20.2	25.8	25.7	*19.6	23.0	*22.8	*19.7	*19.1	*14.5
IADL only . . . . .	20.9	24.8	23.9	20.2	24.6	24.4	*22.1	24.5	*24.1	*24.7	25.0	*18.3
1 or 2 ADL . . . . .	23.5	20.9	21.8	23.5	20.7	22.0	*24.3	21.7	*15.9	*23.7	*22.2	*25.7
3–5 ADL . . . . .	35.8	29.3	29.5	36.1	28.9	27.9	*34.0	30.8	37.3	*31.8	33.7	*41.6

\* Estimates are considered unreliable. Estimates based on 50 persons or fewer or with a relative standard error of 30% or higher are not shown.  
<sup>1</sup>Physician/supplier services include medical and osteopathic doctor and health practitioner visits; diagnostic laboratory and radiology services; medical and surgical services; and durable medical equipment and nondurable medical supplies.  
<sup>2</sup>Total health care expenditures by Medicare beneficiaries, including expenses paid by Medicare and all other sources of payment for the following services: inpatient hospital, outpatient hospital, physician/supplier, dental, prescription medicine, home health, and hospice and long-term care facility care. Does not include health insurance premiums.  
<sup>3</sup>Expenditures for long-term care in facilities for all beneficiaries include facility room and board expenses for beneficiaries who resided in a facility for the full year, for beneficiaries who resided in a facility for part of the year and in the community for part of the year, and expenditures for short-term facility stays for full-year or part-year community residents. See Appendix II, Long-term care facility.  
<sup>4</sup>Expenditures for facility-based long-term care for facility-based beneficiaries include facility room and board expenses for beneficiaries who resided in a facility for the full year and for beneficiaries who resided in a facility for part of the year and in the community for part of the year. It does not include expenditures for short-term facility stays for full-year community residents. See Appendix II, Long-term care facility.  
<sup>5</sup>Medicare beneficiaries with end-stage renal disease (ESRD) are included within the subgroups Aged and Disabled.  
<sup>6</sup>Includes data for both community and long-term care facility residents. See Appendix II for definitions of Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL).

NOTES: Percents and percent distributions are calculated using unrounded numbers. Data for additional years are available. See Appendix III.

SOURCE: Centers for Medicare & Medicaid Services, Medicare Current Beneficiary Survey, Health and Health Care of the Medicare Population. Available from: [www.cms.hhs.gov/apps/mcbs/Publdt.asp](http://www.cms.hhs.gov/apps/mcbs/Publdt.asp) and unpublished data.

**Table 140. Medicaid recipients and medical vendor payments, by basis of eligibility, and race and ethnicity: United States, selected fiscal years 1972–2003**

[Data are compiled by the Centers for Medicare & Medicaid Services from the Medicaid Data System]

<i>Basis of eligibility and race and ethnicity</i>	1972	1980	1990	1995	1999 <sup>1</sup>	2000	2001	2002	2003
<b>Recipients</b>									
Number in millions									
All recipients . . . . .	17.6	21.6	25.3	36.3	40.1	42.8	46.0	49.3	52.0
Percent of recipients									
<b>Basis of eligibility:<sup>2</sup></b>									
Aged (65 years and over) . . . . .	18.8	15.9	12.7	11.4	9.4	8.7	8.3	7.9	7.8
Blind and disabled . . . . .	9.8	13.5	14.7	16.1	16.7	16.1	15.4	15.0	14.8
Adults in families with dependent children <sup>3</sup> . . . . .	17.8	22.6	23.8	21.0	18.7	20.5	21.1	22.6	22.2
Children under age 21 <sup>4</sup> . . . . .	44.5	43.2	44.4	47.3	46.9	46.1	45.7	47.1	47.8
Other Title XIX <sup>5</sup> . . . . .	9.0	6.9	3.9	1.7	8.4	8.6	9.5	7.4	7.5
<b>Race and ethnicity:<sup>6</sup></b>									
White . . . . .	---	---	42.8	45.5	---	---	40.2	40.9	41.2
Black or African American . . . . .	---	---	25.1	24.7	---	---	23.1	22.8	22.4
American Indian or Alaska Native . . . . .	---	---	1.0	0.8	---	---	1.3	1.3	1.4
Asian or Pacific Islander . . . . .	---	---	2.0	2.2	---	---	3.0	3.4	3.3
Hispanic or Latino . . . . .	---	---	15.2	17.2	---	---	17.9	19.0	19.3
Unknown . . . . .	---	---	14.0	9.6	---	---	14.6	12.6	12.5
<b>Vendor payments<sup>7</sup></b>									
Amount in billions									
All payments . . . . .	\$ 6.3	\$ 23.3	\$ 64.9	\$120.1	\$ 153.5	\$ 168.3	\$ 186.3	\$ 213.5	\$ 233.2
Percent distribution									
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Basis of eligibility:</b>									
Aged (65 years and over) . . . . .	30.6	37.5	33.2	30.4	27.7	26.4	25.9	24.4	23.7
Blind and disabled . . . . .	22.2	32.7	37.6	41.1	42.9	43.2	43.1	43.3	43.7
Adults in families with dependent children <sup>3</sup> . . . . .	15.3	13.9	13.2	11.2	10.3	10.6	10.7	10.9	11.4
Children under age 21 <sup>4</sup> . . . . .	18.1	13.4	14.0	15.0	15.7	15.9	16.3	16.8	17.1
Other Title XIX <sup>5</sup> . . . . .	13.9	2.6	1.6	1.2	3.4	3.9	3.9	4.6	4.1
<b>Race and ethnicity:<sup>6</sup></b>									
White . . . . .	---	---	53.4	54.3	---	---	54.4	54.1	53.8
Black or African American . . . . .	---	---	18.3	19.2	---	---	19.8	19.6	19.7
American Indian or Alaska Native . . . . .	---	---	0.6	0.5	---	---	1.1	1.1	1.2
Asian or Pacific Islander . . . . .	---	---	1.0	1.2	---	---	2.5	2.8	2.4
Hispanic or Latino . . . . .	---	---	5.3	7.3	---	---	9.4	9.7	10.6
Unknown . . . . .	---	---	21.3	17.6	---	---	12.9	12.6	12.2
<b>Vendor payments per recipient<sup>7</sup></b>									
Amount									
All recipients . . . . .	\$ 358	\$1,079	\$2,568	\$3,311	\$ 3,819	\$ 3,936	\$ 4,053	\$ 4,328	\$ 4,487
<b>Basis of eligibility:</b>									
Aged (65 years and over) . . . . .	580	2,540	6,717	8,868	11,268	11,929	12,725	13,370	13,677
Blind and disabled . . . . .	807	2,618	6,564	8,435	9,832	10,559	11,318	12,470	13,303
Adults in families with dependent children <sup>3</sup> . . . . .	307	662	1,429	1,777	2,104	2,030	2,059	2,095	2,296
Children under age 21 <sup>4</sup> . . . . .	145	335	811	1,047	1,282	1,358	1,448	1,545	1,606
Other Title XIX <sup>5</sup> . . . . .	555	398	1,062	2,380	1,532	1,778	1,680	2,692	2,458
<b>Race and ethnicity:<sup>6</sup></b>									
White . . . . .	---	---	3,207	3,953	---	---	5,489	5,721	5,869
Black or African American . . . . .	---	---	1,878	2,568	---	---	3,480	3,733	3,944
American Indian or Alaska Native . . . . .	---	---	1,706	2,142	---	---	3,452	3,774	4,001
Asian or Pacific Islander . . . . .	---	---	1,257	1,713	---	---	3,283	3,562	3,328
Hispanic or Latino . . . . .	---	---	903	1,400	---	---	2,126	2,215	2,463
Unknown . . . . .	---	---	3,909	6,099	---	---	3,576	4,338	4,395

--- Data not available.

<sup>1</sup>Prior to 1999, recipient counts exclude those individuals who only received coverage under prepaid health care and for whom no direct vendor payments were made during the year, and vendor payments exclude payments to health maintenance organizations and other prepaid health plans (\$19.3 billion in 1998 and \$18 billion in 1997). See Appendix II, Medical vendor payments. Starting in 1999, the Medicaid data system was changed. See Appendix I, Medicaid Data System.

<sup>2</sup>In 1980 and 1985, recipients are included in more than one category. In 1990–1996, 0.2%–2.5% of recipients have unknown basis of eligibility. Starting with 1997 data, unknowns are included in Other Title XIX.

<sup>3</sup>Includes adults in the Aid to Families with Dependent Children (AFDC) program. Starting with 1997 data, includes adults in the Temporary Assistance for Needy Families (TANF) program. Starting with 2001 data, includes women in the Breast and Cervical Cancer Prevention and Treatment Program.

<sup>4</sup>Includes children in the AFDC program. Starting with 1997 data, includes children and foster care children in the TANF program.

<sup>5</sup>Includes some participants in the Supplemental Security Income program and other people deemed medically needy in participating states. Starting with 1997 data, excludes foster care children and includes unknown eligibility.

<sup>6</sup>Race and ethnicity are as determined on initial Medicaid application. Categories are mutually exclusive. Starting with 2001 data, the Hispanic category included Hispanic persons, regardless of race. Persons indicating more than one race were included in the unknown category.

<sup>7</sup>Vendor payments exclude disproportionate share hospital payments (\$15.5 billion in FY2001).

NOTES: 1972 data are for fiscal year ending June 30. All other years are for fiscal year ending September 30. Data for additional years are available. See Appendix III.

SOURCE: Centers for Medicare & Medicaid Services, Office of Information Services, Enterprise Databases Group, Division of Information Distribution, Medicaid Data System. Before 1999, Medicaid Statistical Report HCFA–2082. From 1999 onward, Medicaid Statistical Information System, MSIS. Available from: [msis.cms.hhs.gov](http://msis.cms.hhs.gov).