

# Health, United States, 2003

*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, 2003* 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, 2003*, which may be accessed from the National Center for Health Statistics (NCHS) Web site 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.

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**Table 1 (page 1 of 2). Resident population, according to age, sex, race, and Hispanic origin: United States, selected years 1950–2001**

[Data are based on decennial census updated by 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
2001	284,797	4,034	15,336	41,065	39,948	39,607	45,019	39,188	25,309	18,313	12,574	4,404
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	21,419	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
2001	139,813	2,064	7,841	21,033	20,485	20,014	22,403	19,236	12,154	8,297	4,987	1,299
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
2001	144,984	1,969	7,495	20,033	19,463	19,594	22,616	19,952	13,155	10,016	7,587	3,105
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
2001	114,659	1,609	6,124	16,398	16,235	16,103	18,461	16,240	10,497	7,311	4,504	1,176
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
2001	117,693	1,536	5,826	15,554	15,238	15,385	18,245	16,493	11,162	8,659	6,784	2,809
Black or African American male												
1950	7,300	---	<sup>1</sup> 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
2001	17,710	334	1,263	3,462	3,033	2,574	2,727	2,067	1,131	691	340	88
Black or African American female												
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
2001	19,486	317	1,221	3,356	3,040	2,846	3,076	2,405	1,404	979	605	238

See notes at end of table.

**Table 1 (page 2 of 2). Resident population, according to age, sex, race, and Hispanic origin: United States, selected years 1950–2001**

[Data are based on decennial census updated by 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												
American Indian or Alaska Native male												
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
2001	1,524	29	109	298	280	232	232	175	95	49	21	5
American Indian or Alaska Native female												
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
2001	1,530	28	105	290	263	220	238	185	102	58	30	11
Asian or Pacific Islander male												
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
2001	5,919	92	344	875	937	1,104	983	754	431	247	122	30
Asian or Pacific Islander female												
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
2001	6,275	88	342	833	922	1,143	1,057	869	486	321	167	47
Hispanic or Latino male												
1980	7,280	187	661	1,530	1,646	1,255	761	570	364	201	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
2001	19,018	417	1,533	3,606	3,606	3,699	2,828	1,684	869	501	224	53
Hispanic or Latino female												
1980	7,329	181	634	1,482	1,547	1,249	805	615	411	257	116	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
2001	17,955	401	1,467	3,450	3,085	3,163	2,624	1,714	978	635	331	107
White, not Hispanic or Latino male												
1980	88,035	1,308	4,773	13,318	16,555	14,739	10,285	9,229	8,802	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
2001	96,966	1,228	4,719	13,082	12,885	12,634	15,816	14,669	9,680	6,836	4,291	1,126
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	7,708	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
2001	101,070	1,169	4,482	12,385	12,393	12,449	15,810	14,900	10,244	8,059	6,471	2,707

-- 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. Population estimates for 1991 through 2000 differ from those shown previously. Starting with *Health, United States, 2003*, intercensal population estimates based on Census 2000 and Census 2000 counts replace estimates projected from the 1990 Census. Population estimates for 2001 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 (see [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. Bureau of the Census: 1950 Nonwhite Population by Race. Special Report P-E, No. 3B. Washington. 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. 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 United States resident population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Available at [www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm](http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm). 2003.

**Table 26 (page 1 of 2). Life expectancy at birth and at 65 years of age, according to sex: Selected countries, selected years 1980–1998**

[Data are based on reporting by countries]

Country	Male						Female						
	1980	1990	1995	1997	1998	1998	1980	1990	1995	1997	1998	1998	
At birth	Life expectancy in years						Life expectancy in years						Rank
Australia . . . . .	71.0	73.9	75.0	75.6	75.9	7	78.1	80.1	80.8	81.3	81.5	8	
Austria . . . . .	69.0	72.3	73.5	74.3	74.7	19	76.1	78.9	80.1	80.6	80.9	11	
Belgium . . . . .	70.0	72.7	73.4	74.1	74.3	21	76.8	79.4	80.2	80.6	80.5	17	
Bulgaria . . . . .	68.5	68.3	67.4	67.0	67.4	34	73.9	75.0	74.9	73.8	74.7	35	
Canada . . . . .	71.7	74.4	75.1	75.8	76.0	6	78.9	80.8	81.1	81.3	81.5	8	
Chile . . . . .	---	71.1	71.8	72.1	72.3	28	---	76.9	77.8	78.1	78.3	28	
Costa Rica . . . . .	71.8	74.7	74.0	74.5	74.8	16	77.0	79.1	78.6	79.5	79.3	23	
Cuba . . . . .	72.2	74.6	75.4	75.7	75.8	9	---	76.9	77.7	78.0	78.2	29	
Czech Republic <sup>1</sup> . . . . .	66.8	67.6	69.7	70.5	71.1	31	73.9	75.4	76.6	77.5	78.1	30	
Denmark . . . . .	71.2	72.0	72.7	73.6	73.9	23	77.3	77.7	77.8	78.4	78.8	27	
England and Wales . . . . .	70.8	73.1	74.2	74.9	75.1	15	76.8	78.8	79.5	79.8	80.0	19	
Finland . . . . .	69.2	70.9	72.8	73.4	73.5	25	77.6	78.9	80.2	80.5	80.8	12	
France . . . . .	70.2	72.7	73.9	74.6	74.8	16	78.4	81.0	81.9	82.3	82.4	3	
Germany <sup>2</sup> . . . . .	69.6	72.0	73.3	74.0	74.5	20	76.1	78.4	79.7	80.3	80.6	14	
Greece . . . . .	72.2	74.6	75.0	75.6	75.5	10	76.8	79.5	80.3	80.8	80.6	14	
Hong Kong . . . . .	71.6	74.6	76.0	77.2	77.4	1	77.9	80.3	81.5	83.2	83.0	2	
Hungary . . . . .	65.5	65.1	65.3	66.4	66.1	36	72.7	73.7	74.5	75.1	75.2	34	
Ireland . . . . .	70.1	72.1	72.9	73.4	73.5	25	75.6	80.3	78.4	78.6	79.1	25	
Israel . . . . .	72.2	75.1	75.5	76.1	76.2	5	75.8	78.5	79.5	80.4	80.6	14	
Italy . . . . .	71.1	73.8	75.0	75.9	75.9	7	77.7	80.5	81.6	82.1	82.2	5	
Japan . . . . .	73.4	75.9	76.4	77.2	77.2	2	78.8	81.9	82.9	83.8	84.0	1	
Netherlands . . . . .	72.5	73.8	74.6	75.2	75.2	13	79.2	80.1	80.4	80.6	80.7	13	
New Zealand . . . . .	70.0	72.4	74.2	74.9	75.2	13	76.3	78.3	79.5	80.1	80.4	18	
Northern Ireland . . . . .	68.3	72.2	73.3	74.3	74.3	21	75.0	77.9	78.8	79.5	79.8	20	
Norway . . . . .	72.3	73.4	74.8	75.4	75.5	10	79.2	79.8	80.8	81.0	81.3	10	
Poland . . . . .	66.0	66.5	67.6	68.5	68.9	32	74.4	75.5	76.4	77.0	77.3	32	
Portugal . . . . .	67.7	70.4	71.2	71.6	71.7	29	75.2	77.4	78.6	78.8	78.9	26	
Puerto Rico . . . . .	70.8	69.1	69.6	73.9	71.4	30	76.9	77.2	78.9	78.5	79.3	23	
Romania . . . . .	66.6	66.6	65.5	65.3	66.3	35	71.9	73.1	73.5	73.4	73.8	36	
Russian Federation . . . . .	61.4	63.8	58.3	61.0	61.4	37	73.0	74.4	71.7	73.0	73.3	37	
Scotland . . . . .	69.0	71.2	72.1	72.6	72.6	27	75.2	76.9	77.6	78.0	78.1	30	
Singapore . . . . .	69.8	73.1	74.2	74.9	75.3	12	74.7	77.6	78.6	79.1	79.4	22	
Slovakia <sup>1</sup> . . . . .	66.8	66.6	68.4	66.6	68.7	33	74.3	75.8	76.5	77.0	77.0	33	
Spain . . . . .	72.5	73.3	74.3	74.9	74.8	16	78.6	80.4	81.5	81.9	82.2	5	
Sweden . . . . .	72.8	74.8	75.9	76.7	76.9	3	78.8	80.4	81.3	81.8	81.9	7	
Switzerland . . . . .	72.8	74.0	75.3	76.3	76.3	4	79.6	80.7	81.7	82.1	82.4	3	
United States . . . . .	70.0	71.8	72.5	73.6	73.8	24	77.4	78.8	78.9	79.4	79.5	21	

See footnotes at end of table.



**Table 26 (page 2 of 2). Life expectancy at birth and at 65 years of age, according to sex: Selected countries, selected years 1980–1998**

[Data are based on reporting by countries]

Country	Male						Female							
	1980	1990	1995	1997	1998	1998	1980	1990	1995	1997	1998	1998		
At 65 years	Life expectancy in years						Rank	Life expectancy in years						Rank
Australia . . . . .	13.7	15.2	15.7	16.1	16.3	7	17.9	19.0	19.5	19.8	20.0	8		
Austria . . . . .	12.9	14.4	15.2	15.4	15.6	15	16.3	18.0	18.7	19.1	19.3	12		
Belgium . . . . .	13.0	14.3	14.8	15.2	15.2	18	16.9	18.5	19.1	19.4	19.3	12		
Bulgaria . . . . .	12.7	12.9	12.8	12.4	12.5	32	14.7	15.4	15.4	14.9	15.1	34		
Canada . . . . .	14.5	15.7	16.0	16.2	16.3	7	18.9	19.9	20.0	20.0	20.1	7		
Chile . . . . .	---	14.6	14.9	15.1	15.1	20	---	17.6	18.1	18.3	18.4	22		
Costa Rica . . . . .	---	---	---	---	---	---	---	---	---	---	---	---		
Cuba . . . . .	---	---	---	---	---	---	---	---	---	---	---	---		
Czech Republic <sup>1</sup> . . . . .	11.2	11.6	12.7	13.2	13.4	28	14.3	15.2	16.1	16.6	16.9	29		
Denmark . . . . .	13.6	14.0	14.1	14.6	14.8	23	17.6	17.8	17.5	17.9	18.1	23		
England and Wales . . . . .	12.9	14.2	14.8	15.2	15.5	16	16.9	18.1	18.5	19.8	18.7	19		
Finland . . . . .	12.5	13.7	14.5	15.0	14.9	21	16.5	17.7	18.6	18.9	19.1	15		
France . . . . .	13.6	15.6	16.1	16.3	16.4	5	18.2	19.9	20.6	20.9	20.9	2		
Germany <sup>2</sup> . . . . .	13.0	14.0	14.7	15.2	15.3	17	16.7	17.6	18.5	18.9	19.0	16		
Greece . . . . .	14.6	15.7	16.1	16.5	16.4	5	16.8	18.0	18.4	18.9	18.7	19		
Hong Kong . . . . .	13.9	15.3	16.2	16.9	17.1	1	13.9	18.8	19.5	21.1	20.7	3		
Hungary . . . . .	11.6	12.0	12.1	12.2	12.2	33	14.6	15.3	15.8	15.9	16.0	31		
Ireland . . . . .	12.6	13.3	13.6	14.1	14.2	26	15.7	16.9	17.3	17.5	17.7	25		
Israel . . . . .	14.4	15.9	16.0	16.6	16.6	3	15.8	17.8	18.0	18.9	18.9	17		
Italy . . . . .	13.9	15.1	16.0	16.3	16.1	11	17.4	19.1	20.0	20.3	20.4	5		
Japan . . . . .	14.6	16.2	16.5	17.0	17.1	1	17.7	20.0	20.9	21.8	22.0	1		
Netherlands . . . . .	13.7	14.1	14.4	14.7	14.7	24	18.7	18.6	18.7	18.8	18.8	18		
New Zealand . . . . .	13.2	14.7	15.4	15.9	16.1	11	17.0	18.3	19.0	19.4	19.5	11		
Northern Ireland . . . . .	11.9	13.4	14.5	14.8	14.9	21	15.8	17.5	18.0	18.3	18.5	21		
Norway . . . . .	14.3	14.6	15.5	15.5	15.7	14	18.0	18.6	19.1	19.4	19.6	10		
Poland . . . . .	12.0	12.4	12.9	13.1	13.4	28	15.5	16.1	16.6	16.8	17.0	28		
Portugal . . . . .	12.9	13.9	14.3	14.4	14.3	25	16.5	17.0	17.7	17.9	17.9	24		
Puerto Rico . . . . .	---	---	---	---	---	---	---	---	---	---	---	---		
Romania . . . . .	12.6	13.3	12.9	12.7	13.0	30	14.2	15.3	15.4	15.3	15.5	32		
Russian Federation . . . . .	11.6	12.1	11.0	11.4	11.6	34	15.6	15.9	15.1	15.3	15.5	32		
Scotland . . . . .	12.3	13.1	13.7	14.0	14.2	26	16.2	16.8	17.1	17.3	17.4	27		
Singapore . . . . .	12.6	14.5	14.6	15.0	15.2	18	15.4	16.9	17.3	17.5	17.7	25		
Slovakia <sup>1</sup> . . . . .	12.3	12.2	12.7	12.7	12.9	31	---	16.1	16.3	16.6	16.6	30		
Spain . . . . .	14.8	15.4	16.0	16.1	16.3	7	17.9	19.1	19.8	20.0	20.3	6		
Sweden . . . . .	14.3	15.3	16.0	16.2	16.3	7	17.9	19.0	19.7	19.9	20.0	8		
Switzerland . . . . .	14.4	15.3	16.1	16.5	16.6	3	17.9	19.4	20.2	20.4	20.5	4		
United States . . . . .	14.1	15.1	15.6	15.9	16.0	13	18.3	18.9	18.9	19.2	19.2	14		

--- 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 1997 were revised and differ from the previous edition of *Health, United States*.

SOURCES: Organization for Economic Cooperation and Development (OECD) Health Data 2002, AComparativeAnalysis 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, <http://hfabd.who.dk/hfal/>; Centers for Disease Control and Prevention, National Center for Health Statistics. Vital statistics of the United States, (selected years). Public Health Service. Washington, DC. <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, <http://www.singstat.gov.sg/stats/singstat/internet.html>; England and Wales, Northern Ireland, and Scotland: Government Actuary's Department, London <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://ccp.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; Cuba: PanAmerican Health Organization, Special Program for Health Analysis. Regional Initiative for Health Basic Data, Technical Information Health System, Washington, DC 2001.

**Table 27. Life expectancy at birth, at 65 years of age, and at 75 years of age, according to race and sex: United States, selected years 1900–2000**

[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
1985	74.7	71.1	78.2	75.3	71.8	78.7	69.3	65.0	73.4
1990	75.4	71.8	78.8	76.1	72.7	79.4	69.1	64.5	73.6
1991	75.5	72.0	78.9	76.3	72.9	79.6	69.3	64.6	73.8
1992	75.8	72.3	79.1	76.5	73.2	79.8	69.6	65.0	73.9
1993	75.5	72.2	78.8	76.3	73.1	79.5	69.2	64.6	73.7
1994	75.7	72.4	79.0	76.5	73.3	79.6	69.5	64.9	73.9
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	76.9	74.1	79.5	77.4	74.8	80.0	71.7	68.2	74.9
At 65 years									
1950 <sup>2</sup>	13.9	12.8	15.0	---	12.8	15.1	13.9	12.9	14.9
1960 <sup>2</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
1985	16.7	14.5	18.5	16.8	14.5	18.7	15.2	13.0	16.9
1990	17.2	15.1	18.9	17.3	15.2	19.1	15.4	13.2	17.2
1991	17.4	15.3	19.1	17.5	15.4	19.2	15.5	13.4	17.2
1992	17.5	15.4	19.2	17.6	15.5	19.3	15.7	13.5	17.4
1993	17.3	15.3	18.9	17.4	15.4	19.0	15.5	13.4	17.1
1994	17.4	15.5	19.0	17.5	15.6	19.1	15.7	13.6	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	17.9	16.3	19.2	17.9	16.3	19.2	16.2	14.5	17.4
At 75 years									
1980	10.4	8.8	11.5	10.4	8.8	11.5	9.7	8.3	10.7
1985	10.6	9.0	11.7	10.6	9.0	11.7	10.1	8.7	11.1
1990	10.9	9.4	12.0	11.0	9.4	12.0	10.2	8.6	11.2
1991	11.1	9.5	12.1	11.1	9.5	12.1	10.2	8.7	11.2
1992	11.2	9.6	12.2	11.2	9.6	12.2	10.4	8.9	11.4
1993	10.9	9.5	11.9	11.0	9.5	12.0	10.2	8.7	11.1
1994	11.0	9.6	12.0	11.1	9.6	12.0	10.3	8.9	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	11.3	10.1	12.1	11.3	10.1	12.1	10.5	9.4	11.2

<sup>1</sup>Data shown for 1900–60 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. See Appendix II, Registration area.

NOTES: Populations used for computing life expectancy and other life table values for 1991–2000 are postcensal estimates of U.S. resident population, based on the 1990 census. See Appendix I, Population Census and Population Estimates.

Beginning 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 the age group 85 years and over. 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: U.S. Government Printing Office, 1968; life expectancy trend data available at [www.cdc.gov/nchs/about/major/dvs/mortdata.htm](http://www.cdc.gov/nchs/about/major/dvs/mortdata.htm); Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final data for 2000. National vital statistics reports. vol 50 no 15. Hyattsville, Maryland: National Center for Health Statistics. 2002.

This table will be updated with 2001 data 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, according to age: United States, 1980 and 2000**

[Data are based on death certificates]

Age and rank order	1980		2000	
	Cause of death	Deaths	Cause of death	Deaths
<b>Under 1 year</b>				
...	All causes	45,526	All causes	28,035
1. ....	Congenital anomalies	9,220	Congenital malformations, deformations and chromosomal abnormalities	5,743
2. ....	Sudden infant death syndrome	5,510	Disorders related to short gestation and low birthweight, not elsewhere classified	4,397
3. ....	Respiratory distress syndrome	4,989	Sudden infant death syndrome	2,523
4. ....	Disorders relating to short gestation and unspecified low birthweight	3,648	Newborn affected by maternal complications of pregnancy	1,404
5. ....	Newborn affected by complications of pregnancy	1,572	Newborn affected by complications of placenta, cord and membranes	1,062
6. ....	Intrauterine hypoxia and birth asphyxia	1,497	Respiratory distress of newborn	999
7. ....	Unintentional injuries	1,166	Unintentional injuries	881
8. ....	Birth trauma	1,058	Bacterial sepsis of newborn	768
9. ....	Pneumonia and influenza	1,012	Diseases of circulatory system	663
10. ....	Newborn affected by complications of placenta, cord, and membranes	985	Intrauterine hypoxia and birth asphyxia	630
<b>1-4 years</b>				
...	All causes	8,187	All causes	4,979
1. ....	Unintentional injuries	3,313	Unintentional injuries	1,826
2. ....	Congenital anomalies	1,026	Congenital malformations, deformations and chromosomal abnormalities	495
3. ....	Malignant neoplasms	573	Malignant neoplasms	420
4. ....	Diseases of heart	338	Homicide	356
5. ....	Homicide	319	Diseases of heart	181
6. ....	Pneumonia and influenza	267	Influenza and pneumonia	103
7. ....	Meningitis	223	Septicemia	99
8. ....	Meningococcal infection	110	Certain conditions originating in the perinatal period	79
9. ....	Certain conditions originating in the perinatal period	84	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	53
10. ....	Septicemia	71	Chronic lower respiratory diseases	51
<b>5-14 years</b>				
...	All causes	10,689	All causes	7,413
1. ....	Unintentional injuries	5,224	Unintentional injuries	2,979
2. ....	Malignant neoplasms	1,497	Malignant neoplasms	1,014
3. ....	Congenital anomalies	561	Congenital malformations, deformations and chromosomal abnormalities	399
4. ....	Homicide	415	Homicide	371
5. ....	Diseases of heart	330	Suicide	307
6. ....	Pneumonia and influenza	194	Diseases of heart	271
7. ....	Suicide	142	Chronic lower respiratory diseases	139
8. ....	Benign neoplasms	104	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	99
9. ....	Cerebrovascular diseases	95	Influenza and pneumonia	87
10. ....	Chronic obstructive pulmonary diseases	85	Cerebrovascular diseases	76
<b>15-24 years</b>				
...	All causes	49,027	All causes	31,307
1. ....	Unintentional injuries	26,206	Unintentional injuries	14,113
2. ....	Homicide	6,537	Homicide	4,939
3. ....	Suicide	5,239	Suicide	3,994
4. ....	Malignant neoplasms	2,683	Malignant neoplasms	1,713
5. ....	Diseases of heart	1,223	Diseases of heart	1,031
6. ....	Congenital anomalies	600	Congenital malformations, deformations and chromosomal abnormalities	441
7. ....	Cerebrovascular diseases	418	Cerebrovascular diseases	199
8. ....	Pneumonia and influenza	348	Chronic lower respiratory diseases	190
9. ....	Chronic obstructive pulmonary diseases	141	Influenza and pneumonia	189
10. ....	Anemias	133	Human immunodeficiency virus (HIV) disease	179

See footnotes at end of table.

**Table 32 (page 2 of 2). Leading causes of death and numbers of deaths, according to age: United States, 1980 and 2000**

[Data are based on death certificates]

Age and rank order	1980		2000	
	Cause of death	Deaths	Cause of death	Deaths
<b>25–44 years</b>				
...	All causes	108,658	All causes	130,249
1. ....	Unintentional injuries	26,722	Unintentional injuries	27,182
2. ....	Malignant neoplasms	17,551	Malignant neoplasms	20,436
3. ....	Diseases of heart	14,513	Diseases of heart	16,139
4. ....	Homicide	10,983	Suicide	11,354
5. ....	Suicide	9,855	Human immunodeficiency virus (HIV) disease	8,356
6. ....	Chronic liver disease and cirrhosis	4,782	Homicide	7,383
7. ....	Cerebrovascular diseases	3,154	Chronic liver disease and cirrhosis	3,786
8. ....	Diabetes mellitus	1,472	Cerebrovascular diseases	3,201
9. ....	Pneumonia and influenza	1,467	Diabetes mellitus	2,549
10. ....	Congenital anomalies	817	Influenza and pneumonia	1,432
<b>45–64 years</b>				
...	All causes	425,338	All causes	401,187
1. ....	Diseases of heart	148,322	Malignant neoplasms	137,039
2. ....	Malignant neoplasms	135,675	Diseases of heart	98,879
3. ....	Cerebrovascular diseases	19,909	Unintentional injuries	19,783
4. ....	Unintentional injuries	18,140	Cerebrovascular diseases	15,967
5. ....	Chronic liver disease and cirrhosis	16,089	Diabetes mellitus	14,140
6. ....	Chronic obstructive pulmonary diseases	11,514	Chronic lower respiratory diseases	13,990
7. ....	Diabetes mellitus	7,977	Chronic liver disease and cirrhosis	12,428
8. ....	Suicide	7,079	Suicide	8,382
9. ....	Pneumonia and influenza	5,804	Human immunodeficiency virus (HIV) disease	5,381
10. ....	Homicide	4,019	Nephritis, nephrotic syndrome and nephrosis	4,751
<b>65 years and over</b>				
...	All causes	1,341,848	All causes	1,799,825
1. ....	Diseases of heart	595,406	Diseases of heart	593,707
2. ....	Malignant neoplasms	258,389	Malignant neoplasms	392,366
3. ....	Cerebrovascular diseases	146,417	Cerebrovascular diseases	148,045
4. ....	Pneumonia and influenza	45,512	Chronic lower respiratory diseases	106,375
5. ....	Chronic obstructive pulmonary diseases	43,587	Influenza and pneumonia	58,557
6. ....	Atherosclerosis	28,081	Diabetes mellitus	52,414
7. ....	Diabetes mellitus	25,216	Alzheimer's disease	48,993
8. ....	Unintentional injuries	24,844	Nephritis, nephrotic syndrome and nephrosis	31,225
9. ....	Nephritis, nephrotic syndrome, and nephrosis	12,968	Unintentional injuries	31,051
10. ....	Chronic liver disease and cirrhosis	9,519	Septicemia	24,786

...Category not applicable.

NOTES: For cause of death code numbers based on the *International Classification of Diseases, 9th Revision (ICD-9)* in 1980 and *ICD-10* in 2000, see Appendix II, 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: Public Health Service. 1985; Anderson RN. Deaths: Leading causes for 2000. National vital statistics reports. vol 50 no 16. Hyattsville, Maryland: National Center for Health Statistics. 2002.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1997	1998	1999	2000
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	909.8	878.1	870.6	875.6	869.0
All ages, crude	963.8	954.7	945.3	878.3	863.8	868.3	848.8	847.3	857.0	854.0
Under 1 year	3,299.2	2,696.4	2,142.4	1,288.3	971.9	780.3	747.6	754.0	736.0	736.7
1–4 years	139.4	109.1	84.5	63.9	46.8	40.4	35.5	34.1	34.2	32.4
5–14 years	60.1	46.6	41.3	30.6	24.0	22.2	20.2	19.3	18.6	18.0
15–24 years	128.1	106.3	127.7	115.4	99.2	93.4	84.6	80.6	79.3	79.9
25–34 years	178.7	146.4	157.4	135.5	139.2	137.3	110.1	104.3	102.2	101.4
35–44 years	358.7	299.4	314.5	227.9	223.2	239.4	202.2	198.6	198.0	198.9
45–54 years	853.9	756.0	730.0	584.0	473.4	454.3	423.9	415.8	418.2	425.6
55–64 years	1,901.0	1,735.1	1,658.8	1,346.3	1,196.9	1,104.7	1,049.8	1,015.7	1,005.0	992.2
65–74 years	4,104.3	3,822.1	3,582.7	2,994.9	2,648.6	2,549.0	2,484.9	2,471.6	2,457.3	2,399.1
75–84 years	9,331.1	8,745.2	8,004.4	6,692.6	6,007.2	5,811.3	5,676.6	5,672.8	5,714.5	5,666.5
85 years and over	20,196.9	19,857.5	16,344.9	15,980.3	15,327.4	15,248.6	15,211.2	15,190.8	15,554.6	15,524.4
Male										
All ages, age adjusted <sup>2</sup>	1,674.2	1,609.0	1,542.1	1,348.1	1,202.8	1,143.9	1,088.1	1,069.4	1,067.0	1,053.8
All ages, crude	1,106.1	1,104.5	1,090.3	976.9	918.4	900.8	864.6	856.4	859.2	853.0
Under 1 year	3,728.0	3,059.3	2,410.0	1,428.5	1,082.8	856.3	822.2	818.6	805.0	806.5
1–4 years	151.7	119.5	93.2	72.6	52.4	44.5	39.4	37.1	37.9	35.9
5–14 years	70.9	55.7	50.5	36.7	28.5	26.4	23.3	22.7	21.5	20.9
15–24 years	167.9	152.1	188.5	172.3	147.4	137.4	122.0	116.7	113.1	114.9
25–34 years	216.5	187.9	215.3	196.1	204.3	198.0	152.6	142.6	139.7	138.6
35–44 years	428.8	372.8	402.6	299.2	310.4	331.0	264.7	257.0	254.9	255.2
45–54 years	1,067.1	992.2	958.5	767.3	610.3	589.9	540.8	531.0	533.1	542.8
55–64 years	2,395.3	2,309.5	2,282.7	1,815.1	1,553.4	1,400.7	1,314.5	1,271.5	1,252.0	1,230.7
65–74 years	4,931.4	4,914.4	4,873.8	4,105.2	3,491.5	3,263.8	3,157.3	3,112.1	3,073.7	2,979.6
75–84 years	10,426.0	10,178.4	10,010.2	8,816.7	7,888.6	7,399.6	7,152.4	7,095.5	7,083.3	6,972.6
85 years and over	21,636.0	21,186.3	17,821.5	18,801.1	18,056.6	17,861.0	17,648.1	17,357.2	17,597.2	17,501.4
Female										
All ages, age adjusted <sup>2</sup>	1,236.0	1,105.3	971.4	817.9	750.9	739.4	725.6	724.7	734.0	731.4
All ages, crude	823.5	809.2	807.8	785.3	812.0	837.2	833.6	838.5	854.9	855.0
Under 1 year	2,854.6	2,321.3	1,863.7	1,141.7	855.7	700.5	669.4	686.0	663.6	663.4
1–4 years	126.7	98.4	75.4	54.7	41.0	36.0	31.5	31.0	30.3	28.7
5–14 years	48.9	37.3	31.8	24.2	19.3	17.9	17.0	15.8	15.6	15.0
15–24 years	89.1	61.3	68.1	57.5	49.0	47.3	45.2	42.7	43.7	43.1
25–34 years	142.7	106.6	101.6	75.9	74.2	76.1	67.2	65.6	64.1	63.5
35–44 years	290.3	229.4	231.1	159.3	137.9	149.3	140.4	140.9	141.8	143.2
45–54 years	641.5	526.7	517.2	412.9	342.7	324.1	311.5	304.9	307.6	312.5
55–64 years	1,404.8	1,196.4	1,098.9	934.3	878.8	835.2	807.3	780.6	777.6	772.2
65–74 years	3,333.2	2,871.8	2,579.7	2,144.7	1,991.2	1,975.8	1,940.7	1,950.2	1,952.3	1,921.2
75–84 years	8,399.6	7,633.1	6,677.6	5,440.1	4,883.1	4,818.6	4,733.5	4,755.6	4,825.4	4,814.7
85 years and over	19,194.7	19,008.4	15,518.0	14,746.9	14,274.3	14,242.3	14,255.4	14,329.9	14,731.3	14,719.2
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	1,107.5	1,059.1	1,042.0	1,040.0	1,029.4
All ages, crude	1,089.5	1,098.5	1,086.7	983.3	930.9	921.0	893.3	887.3	892.1	887.8
Under 1 year	3,400.5	2,694.1	2,113.2	1,230.3	896.1	720.7	690.6	678.3	667.0	667.6
1–4 years	135.5	104.9	83.6	66.1	45.9	39.0	35.3	32.6	33.9	32.6
5–14 years	67.2	52.7	48.0	35.0	26.4	24.3	21.7	20.7	19.7	19.8
15–24 years	152.4	143.7	170.8	167.0	131.3	120.1	107.9	105.7	102.8	105.8
25–34 years	185.3	163.2	176.6	171.3	176.1	171.9	133.9	125.8	125.4	124.1
35–44 years	380.9	332.6	343.5	257.4	268.2	286.8	235.4	232.1	230.8	233.6
45–54 years	984.5	932.2	882.9	698.9	548.7	528.3	489.2	481.3	484.6	496.9
55–64 years	2,304.4	2,225.2	2,202.6	1,728.5	1,467.2	1,319.3	1,236.2	1,196.5	1,179.7	1,163.3
65–74 years	4,864.9	4,848.4	4,810.1	4,035.7	3,397.7	3,173.3	3,081.7	3,041.8	2,998.7	2,905.7
75–84 years	10,526.3	10,299.6	10,098.8	8,829.8	7,844.9	7,347.3	7,117.2	7,053.4	7,040.1	6,933.1
85 years and over	22,116.3	21,750.0	18,551.7	19,097.3	18,268.3	18,050.7	17,833.2	17,534.2	17,752.9	17,716.4

See footnotes at end of table.

**Table 35 (page 2 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1997	1998	1999	2000
Deaths per 100,000 resident population										
<b>Black or African American male<sup>3</sup></b>										
All ages, age adjusted <sup>2</sup> . . . . .	1,909.1	1,811.1	1,873.9	1,697.8	1,644.5	1,585.7	1,458.8	1,430.5	1,432.6	1,403.5
All ages, crude . . . . .	1,257.7	1,181.7	1,186.6	1,034.1	1,008.0	960.2	867.1	848.2	847.4	834.1
Under 1 year . . . . .	---	5,306.8	4,298.9	2,586.7	2,112.4	1,664.7	1,594.2	1,629.3	1,592.8	1,567.6
1–4 years <sup>4</sup> . . . . .	1,412.6	208.5	150.5	110.5	85.8	73.1	61.8	62.6	59.0	54.5
5–14 years . . . . .	95.1	75.1	67.1	47.4	41.2	38.5	32.7	33.2	32.0	28.2
15–24 years . . . . .	289.7	212.0	320.6	209.1	252.2	246.6	214.2	193.5	184.6	181.4
25–34 years . . . . .	503.5	402.5	559.5	407.3	430.8	407.4	298.9	272.5	258.6	261.0
35–44 years . . . . .	878.1	762.0	956.6	689.8	699.6	716.8	520.2	478.9	469.2	453.0
45–54 years . . . . .	1,905.0	1,624.8	1,777.5	1,479.9	1,261.0	1,238.9	1,074.7	1,037.7	1,030.7	1,017.7
55–64 years . . . . .	3,773.2	3,316.4	3,256.9	2,873.0	2,618.4	2,382.0	2,242.4	2,182.0	2,145.6	2,080.1
65–74 years . . . . .	5,310.3	5,798.7	5,803.2	5,131.1	4,946.1	4,707.8	4,428.6	4,337.6	4,352.3	4,253.5
75–84 years <sup>5</sup> . . . . .	10,101.9	8,605.1	9,454.9	9,231.6	9,129.5	8,862.0	8,433.8	8,526.7	8,559.1	8,486.0
85 years and over . . . . .	---	14,844.8	12,222.3	16,098.8	16,954.9	17,016.0	16,935.0	16,700.2	17,304.5	16,791.0
<b>American Indian or Alaska Native male<sup>3</sup></b>										
All ages, age adjusted <sup>2</sup> . . . . .	---	---	---	1,111.5	916.2	932.0	974.8	943.9	925.9	841.5
All ages, crude . . . . .	---	---	---	597.1	476.4	459.4	458.2	441.9	431.8	415.6
Under 1 year . . . . .	---	---	---	1,598.1	1,056.6	696.0	833.8	883.9	721.8	700.2
1–4 years . . . . .	---	---	---	82.7	77.4	73.3	43.4	52.5	46.6	44.9
5–14 years . . . . .	---	---	---	43.7	33.4	27.0	24.4	24.5	18.8	20.2
15–24 years . . . . .	---	---	---	311.1	219.8	182.1	158.9	143.0	154.2	136.2
25–34 years . . . . .	---	---	---	360.6	256.1	263.6	223.6	208.5	189.6	179.1
35–44 years . . . . .	---	---	---	556.8	365.4	377.4	335.9	314.2	296.5	295.2
45–54 years . . . . .	---	---	---	871.3	619.9	601.0	579.6	555.1	554.8	520.0
55–64 years . . . . .	---	---	---	1,547.5	1,211.3	1,276.0	1,255.5	1,200.0	1,122.4	1,090.4
65–74 years . . . . .	---	---	---	2,968.4	2,461.7	2,660.8	2,849.8	2,687.1	2,786.2	2,478.3
75–84 years . . . . .	---	---	---	5,607.0	5,389.2	5,787.7	6,078.4	5,828.4	6,157.2	5,351.2
85 years and over . . . . .	---	---	---	12,635.2	11,243.9	10,604.7	13,018.1	13,391.2	11,769.3	10,725.8
<b>Asian or Pacific Islander male<sup>3</sup></b>										
All ages, age adjusted <sup>2</sup> . . . . .	---	---	---	786.5	716.4	693.4	660.2	646.9	641.2	624.2
All ages, crude . . . . .	---	---	---	375.3	334.3	341.4	336.8	335.4	333.2	332.9
Under 1 year . . . . .	---	---	---	816.5	605.3	468.3	477.9	444.0	451.0	529.4
1–4 years . . . . .	---	---	---	50.9	45.0	28.0	27.4	18.9	28.9	23.3
5–14 years . . . . .	---	---	---	23.4	20.7	19.6	17.7	18.3	13.5	12.9
15–24 years . . . . .	---	---	---	80.8	76.0	73.0	60.1	53.4	51.6	55.2
25–34 years . . . . .	---	---	---	83.5	79.6	75.4	65.3	65.8	57.3	55.0
35–44 years . . . . .	---	---	---	128.3	130.8	124.9	110.3	105.2	108.2	104.9
45–54 years . . . . .	---	---	---	342.3	287.1	273.0	263.8	265.1	240.1	249.7
55–64 years . . . . .	---	---	---	881.1	789.1	714.2	718.5	676.7	661.0	642.4
65–74 years . . . . .	---	---	---	2,236.1	2,041.4	1,894.8	1,785.8	1,745.9	1,689.5	1,661.0
75–84 years . . . . .	---	---	---	5,389.5	5,008.6	4,729.9	4,536.3	4,466.3	4,457.0	4,328.2
85 years and over . . . . .	---	---	---	13,753.6	12,446.3	13,252.0	12,559.3	12,462.8	12,732.5	12,125.3
<b>Hispanic or Latino male<sup>3,6</sup></b>										
All ages, age adjusted <sup>2</sup> . . . . .	---	---	---	---	886.4	897.6	840.5	833.6	830.5	818.1
All ages, crude . . . . .	---	---	---	---	411.6	391.6	343.2	336.0	332.6	331.3
Under 1 year . . . . .	---	---	---	---	921.8	684.6	645.6	662.1	623.4	637.1
1–4 years . . . . .	---	---	---	---	53.8	39.3	33.5	32.0	32.9	31.5
5–14 years . . . . .	---	---	---	---	26.0	24.6	17.4	18.8	17.8	17.9
15–24 years . . . . .	---	---	---	---	159.3	147.3	117.1	109.9	104.1	107.7
25–34 years . . . . .	---	---	---	---	234.0	196.7	138.1	121.5	120.6	120.2
35–44 years . . . . .	---	---	---	---	341.8	333.6	235.4	217.7	215.1	211.0
45–54 years . . . . .	---	---	---	---	533.9	528.5	460.6	440.8	444.4	439.0
55–64 years . . . . .	---	---	---	---	1,123.7	1,076.9	983.9	980.9	974.8	965.7
65–74 years . . . . .	---	---	---	---	2,368.2	2,429.3	2,382.7	2,432.6	2,368.9	2,287.9
75–84 years . . . . .	---	---	---	---	5,369.1	5,557.4	5,369.3	5,362.8	5,379.2	5,395.3
85 years and over . . . . .	---	---	---	---	12,272.1	13,295.9	13,406.3	13,329.3	13,485.9	13,086.2

See footnotes at end of table.



**Table 35 (page 3 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1997	1998	1999	2000
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	1,105.6	1,063.2	1,046.7	1,045.5	1,035.4
All ages, crude	---	---	---	---	985.9	984.8	970.6	969.2	979.6	978.5
Under 1 year	---	---	---	---	865.4	703.8	681.7	662.3	658.1	658.7
1–4 years	---	---	---	---	43.8	37.8	35.2	32.2	33.4	32.4
5–14 years	---	---	---	---	25.7	23.5	22.2	20.8	19.9	20.0
15–24 years	---	---	---	---	123.4	111.5	103.9	102.9	100.8	103.5
25–34 years	---	---	---	---	165.3	163.5	130.8	124.4	124.5	123.0
35–44 years	---	---	---	---	257.1	276.5	232.3	231.0	230.0	233.9
45–54 years	---	---	---	---	544.5	520.7	487.3	480.2	483.7	497.7
55–64 years	---	---	---	---	1,479.7	1,322.7	1,246.7	1,204.5	1,187.4	1,170.9
65–74 years	---	---	---	---	3,434.5	3,188.5	3,105.1	3,062.6	3,023.2	2,930.5
75–84 years	---	---	---	---	7,920.4	7,367.4	7,157.3	7,098.1	7,088.0	6,977.8
85 years and over	---	---	---	---	18,505.4	18,132.6	17,942.9	17,649.2	17,871.2	17,853.2
White female <sup>3</sup>										
All ages, age adjusted <sup>2</sup>	1,198.0	1,074.4	944.0	796.1	728.8	718.7	707.8	707.3	716.6	715.3
All ages, crude	803.3	800.9	812.6	806.1	846.9	883.2	885.0	891.6	910.4	912.3
Under 1 year	2,566.8	2,007.7	1,614.6	962.5	690.0	574.4	556.2	570.5	542.0	550.5
1–4 years	112.2	85.2	66.1	49.3	36.1	31.3	28.1	27.6	27.5	25.5
5–14 years	45.1	34.7	29.9	22.9	17.9	16.5	15.3	14.7	14.6	14.1
15–24 years	71.5	54.9	61.6	55.5	45.9	43.7	43.0	40.6	41.5	41.1
25–34 years	112.8	85.0	84.1	65.4	61.5	62.9	58.0	56.5	56.2	55.1
35–44 years	235.8	191.1	193.3	138.2	117.4	125.5	120.6	122.0	123.2	125.7
45–54 years	546.4	458.8	462.9	372.7	309.3	291.9	281.6	274.8	277.9	281.4
55–64 years	1,293.8	1,078.9	1,014.9	876.2	822.7	783.4	758.7	733.0	731.0	730.9
65–74 years	3,242.8	2,779.3	2,470.7	2,066.6	1,923.5	1,913.2	1,880.4	1,893.1	1,893.9	1,868.3
75–84 years	8,481.5	7,696.6	6,698.7	5,401.7	4,839.1	4,775.3	4,705.8	4,721.8	4,787.8	4,785.3
85 years and over	19,679.5	19,477.7	15,980.2	14,979.6	14,400.6	14,405.8	14,415.8	14,498.9	14,900.6	14,890.7
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	955.9	922.1	921.6	933.6	927.6
All ages, crude	1,002.0	905.0	829.2	733.3	747.9	743.2	720.1	722.6	734.3	733.0
Under 1 year	---	4,162.2	3,368.8	2,123.7	1,735.5	1,399.9	1,316.6	1,321.9	1,317.4	1,279.8
1–4 years <sup>4</sup>	1,139.3	173.3	129.4	84.4	67.6	59.5	46.9	48.8	46.1	45.3
5–14 years	72.8	53.8	43.8	30.5	27.5	25.4	25.5	21.5	20.9	20.0
15–24 years	213.1	107.5	111.9	70.5	68.7	68.9	60.4	56.7	58.6	58.3
25–34 years	393.3	273.2	231.0	150.0	159.5	162.8	129.9	125.7	117.6	121.8
35–44 years	758.1	568.5	533.0	323.9	298.6	324.9	284.0	281.9	279.4	271.9
45–54 years	1,576.4	1,177.0	1,043.9	768.2	639.4	612.1	581.8	572.5	569.8	588.3
55–64 years	3,089.4	2,510.9	1,986.2	1,561.0	1,452.6	1,354.3	1,313.0	1,279.8	1,262.7	1,227.2
65–74 years	4,000.2	4,064.2	3,860.9	3,057.4	2,865.7	2,837.5	2,756.1	2,744.2	2,751.5	2,689.6
75–84 years <sup>5</sup>	8,347.0	6,730.0	6,691.5	6,212.1	5,688.3	5,671.9	5,452.3	5,601.0	5,742.4	5,696.5
85 years and over	---	13,052.6	10,706.6	12,367.2	13,309.5	13,073.3	13,280.4	13,252.2	13,805.9	13,941.3
American Indian or Alaska Native female <sup>3</sup>										
All ages, age adjusted <sup>2</sup>	---	---	---	662.4	561.8	643.9	625.3	640.5	668.2	604.5
All ages, crude	---	---	---	380.1	330.4	360.1	347.7	354.2	367.1	346.1
Under 1 year	---	---	---	1,352.6	688.7	780.6	606.7	743.8	682.6	492.2
1–4 years	---	---	---	87.5	37.8	54.4	56.6	43.8	34.2	39.8
5–14 years	---	---	---	33.5	25.5	20.0	18.9	16.2	17.6	17.7
15–24 years	---	---	---	90.3	69.0	60.4	52.2	57.5	59.6	58.9
25–34 years	---	---	---	178.5	102.3	106.3	103.5	103.9	106.9	84.8
35–44 years	---	---	---	286.0	156.4	171.9	164.9	160.4	168.9	171.9
45–54 years	---	---	---	491.4	380.9	349.1	333.4	326.8	298.7	284.9
55–64 years	---	---	---	837.1	805.9	876.2	797.7	781.6	852.3	772.1
65–74 years	---	---	---	1,765.5	1,679.4	1,935.6	1,923.0	1,938.1	2,015.8	1,899.8
75–84 years	---	---	---	3,612.9	3,073.2	4,067.6	4,016.7	4,000.8	4,266.5	3,850.0
85 years and over	---	---	---	8,567.4	8,201.1	9,201.8	9,113.1	10,165.3	10,639.6	9,118.2

See footnotes at end of table.

**Table 35 (page 4 of 4). Death rates for all causes, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1997	1998	1999	2000
Deaths per 100,000 resident population										
Asian or Pacific Islander female <sup>3</sup>										
All ages, age adjusted <sup>2</sup>	---	---	---	425.9	469.3	446.7	432.6	426.7	427.5	416.8
All ages, crude	---	---	---	222.5	234.3	250.4	253.9	254.9	262.5	262.3
Under 1 year	---	---	---	755.8	518.2	396.6	394.2	436.6	425.3	434.3
1–4 years	---	---	---	35.4	32.0	24.9	26.4	21.3	20.9	20.0
5–14 years	---	---	---	21.5	13.0	15.4	14.1	12.8	11.9	11.7
15–24 years	---	---	---	32.3	28.8	31.1	30.1	26.2	26.1	22.4
25–34 years	---	---	---	45.4	37.5	35.6	29.6	31.3	29.5	27.6
35–44 years	---	---	---	89.7	69.9	66.2	70.6	60.4	59.0	65.6
45–54 years	---	---	---	214.1	182.7	184.1	159.5	153.7	164.4	155.5
55–64 years	---	---	---	440.8	483.4	457.7	408.1	397.8	408.7	390.9
65–74 years	---	---	---	1,027.7	1,089.2	1,037.8	1,091.6	1,062.7	1,070.8	996.4
75–84 years	---	---	---	2,833.6	3,127.9	3,089.9	2,992.9	2,892.0	2,930.8	2,882.4
85 years and over	---	---	---	7,923.3	10,254.0	9,406.1	9,062.8	9,325.2	9,126.7	9,052.2
Hispanic or Latino female <sup>3,6</sup>										
All ages, age adjusted <sup>2</sup>	---	---	---	---	537.1	546.1	538.8	536.9	555.9	546.0
All ages, crude	---	---	---	---	285.4	281.9	272.9	270.0	277.2	274.6
Under 1 year	---	---	---	---	746.6	572.0	562.0	559.0	542.3	553.6
1–4 years	---	---	---	---	42.1	33.1	27.8	26.7	28.7	27.5
5–14 years	---	---	---	---	17.3	15.0	14.5	13.1	13.3	13.4
15–24 years	---	---	---	---	40.6	37.5	34.5	31.2	32.9	31.7
25–34 years	---	---	---	---	62.9	58.6	48.2	45.0	44.9	43.4
35–44 years	---	---	---	---	109.3	118.9	98.9	94.9	97.4	100.5
45–54 years	---	---	---	---	253.3	238.8	227.0	225.2	224.9	223.8
55–64 years	---	---	---	---	607.5	602.3	593.6	563.5	555.8	548.4
65–74 years	---	---	---	---	1,453.8	1,457.2	1,442.5	1,465.5	1,448.8	1,423.2
75–84 years	---	---	---	---	3,351.3	3,506.4	3,524.7	3,530.2	3,675.7	3,624.5
85 years and over	---	---	---	---	10,098.7	10,540.5	10,594.7	10,662.6	11,547.3	11,202.8
White, non-Hispanic or Latino female <sup>6</sup>										
All ages, age adjusted <sup>2</sup>	---	---	---	---	734.6	721.1	712.5	712.8	722.3	721.5
All ages, crude	---	---	---	---	903.6	951.7	964.3	976.5	1,001.3	1,007.3
Under 1 year	---	---	---	---	655.3	553.9	535.6	556.7	524.6	530.9
1–4 years	---	---	---	---	34.0	30.3	27.7	27.4	26.7	24.4
5–14 years	---	---	---	---	17.6	16.4	15.2	14.8	14.7	13.9
15–24 years	---	---	---	---	46.0	44.0	44.1	42.0	42.9	42.6
25–34 years	---	---	---	---	60.6	62.2	59.0	57.9	57.8	56.8
35–44 years	---	---	---	---	116.8	124.1	122.0	124.3	125.6	128.1
45–54 years	---	---	---	---	312.1	293.0	284.3	277.4	281.0	285.0
55–64 years	---	---	---	---	834.5	789.8	767.5	742.5	741.6	742.1
65–74 years	---	---	---	---	1,940.2	1,925.9	1,896.8	1,910.9	1,915.1	1,891.0
75–84 years	---	---	---	---	4,887.3	4,794.9	4,732.7	4,753.6	4,817.7	4,819.3
85 years and over	---	---	---	---	14,533.1	14,450.9	14,484.9	14,576.7	14,967.5	14,971.7

--- 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 starting with *Health, United States, 2001*. 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 a Hispanic-origin item on the death certificate. See Appendix I, Hispanic origin.

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. 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, 1940–60*. Washington: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>3</sup> . . . . .	586.8	559.0	492.7	412.1	321.8	293.4	266.5	257.6
All ages, crude . . . . .	355.5	369.0	362.0	336.0	289.5	277.0	259.9	252.6
Under 1 year . . . . .	3.5	6.6	13.1	22.8	20.1	17.4	13.8	13.0
1–4 years . . . . .	1.3	1.3	1.7	2.6	1.9	1.6	1.2	1.2
5–14 years . . . . .	2.1	1.3	0.8	0.9	0.9	0.8	0.7	0.7
15–24 years . . . . .	6.8	4.0	3.0	2.9	2.5	2.8	2.8	2.6
25–34 years . . . . .	19.4	15.6	11.4	8.3	7.6	8.2	7.6	7.4
35–44 years . . . . .	86.4	74.6	66.7	44.6	31.4	31.8	30.2	29.2
45–54 years . . . . .	308.6	271.8	238.4	180.2	120.5	109.6	95.7	94.2
55–64 years . . . . .	808.1	737.9	652.3	494.1	367.3	320.1	269.9	261.2
65–74 years . . . . .	1,839.8	1,740.5	1,558.2	1,218.6	894.3	795.4	701.7	665.6
75–84 years . . . . .	4,310.1	4,089.4	3,683.8	2,993.1	2,295.7	2,050.5	1,849.9	1,780.3
85 years and over . . . . .	9,150.6	9,317.8	7,891.3	7,777.1	6,739.9	6,391.5	6,063.0	5,926.1
Male								
All ages, age adjusted <sup>3</sup> . . . . .	697.0	687.6	634.0	538.9	412.4	371.0	331.0	320.0
All ages, crude . . . . .	423.4	439.5	422.5	368.6	297.6	278.5	257.0	249.8
Under 1 year . . . . .	4.0	7.8	15.1	25.5	21.9	17.7	13.9	13.3
1–4 years . . . . .	1.4	1.4	1.9	2.8	1.9	1.7	1.3	1.4
5–14 years . . . . .	2.0	1.4	0.9	1.0	0.9	0.8	0.8	0.8
15–24 years . . . . .	6.8	4.2	3.7	3.7	3.1	3.5	3.4	3.2
25–34 years . . . . .	22.9	20.1	15.2	11.4	10.3	11.0	9.8	9.6
35–44 years . . . . .	118.4	112.7	103.2	68.7	48.1	46.9	43.0	41.4
45–54 years . . . . .	440.5	420.4	376.4	282.6	183.0	166.1	142.0	140.2
55–64 years . . . . .	1,104.5	1,066.9	987.2	746.8	537.3	460.1	383.0	371.7
65–74 years . . . . .	2,292.3	2,291.3	2,170.3	1,728.0	1,250.0	1,095.3	950.6	898.3
75–84 years . . . . .	4,825.0	4,742.4	4,534.8	3,834.3	2,968.2	2,622.9	2,336.4	2,248.1
85 years and over . . . . .	9,659.8	9,788.9	8,426.2	8,752.7	7,418.4	6,993.5	6,561.6	6,430.0
Female								
All ages, age adjusted <sup>3</sup> . . . . .	484.7	447.0	381.6	320.8	257.0	236.6	218.1	210.9
All ages, crude . . . . .	288.4	300.6	304.5	305.1	281.8	275.5	262.6	255.3
Under 1 year . . . . .	2.9	5.4	10.9	20.0	18.3	17.0	13.7	12.5
1–4 years . . . . .	1.2	1.1	1.6	2.5	1.9	1.5	1.1	1.0
5–14 years . . . . .	2.2	1.2	0.8	0.9	0.8	0.7	0.6	0.5
15–24 years . . . . .	6.7	3.7	2.3	2.1	1.8	2.1	2.1	2.1
25–34 years . . . . .	16.2	11.3	7.7	5.3	5.0	5.4	5.4	5.2
35–44 years . . . . .	55.1	38.2	32.2	21.4	15.1	17.0	17.5	17.2
45–54 years . . . . .	177.2	127.5	109.9	84.5	61.0	55.4	51.0	49.8
55–64 years . . . . .	510.0	429.4	351.6	272.1	215.7	192.6	165.6	159.3
65–74 years . . . . .	1,419.3	1,261.3	1,082.7	828.6	616.8	554.9	497.9	474.0
75–84 years . . . . .	3,872.0	3,582.7	3,120.8	2,497.0	1,893.8	1,692.7	1,533.9	1,475.1
85 years and over . . . . .	8,796.1	9,016.8	7,591.8	7,350.5	6,478.1	6,159.6	5,862.1	5,720.9
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	700.2	694.5	640.2	539.6	409.2	367.0	327.1	316.7
All ages, crude . . . . .	433.0	454.6	438.3	384.0	312.7	294.4	272.9	265.8
45–54 years . . . . .	423.6	413.2	365.7	269.8	170.6	153.9	132.1	130.7
55–64 years . . . . .	1,081.7	1,056.0	979.3	730.6	516.7	439.2	361.4	351.8
65–74 years . . . . .	2,308.3	2,297.9	2,177.2	1,729.7	1,230.5	1,071.8	928.4	877.8
75–84 years . . . . .	4,907.3	4,839.9	4,617.6	3,883.2	2,983.4	2,625.6	2,338.8	2,247.0
85 years and over . . . . .	9,950.5	10,135.8	8,818.0	8,958.0	7,558.7	7,125.1	6,669.0	6,560.8
Black or AfricanAmerican male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	639.4	615.2	607.3	561.4	485.4	451.3	407.2	392.5
All ages, crude . . . . .	346.2	330.6	330.3	301.0	256.8	239.1	218.5	211.1
45–54 years . . . . .	622.5	514.0	512.8	433.4	328.9	308.6	255.0	247.2
55–64 years . . . . .	1,433.1	1,236.8	1,135.4	987.2	824.0	740.5	660.0	631.2
65–74 years . . . . .	2,139.1	2,281.4	2,237.8	1,847.2	1,632.9	1,514.1	1,346.4	1,268.8
75–84 years <sup>5</sup> . . . . .	4,106.1	3,533.6	3,783.4	3,578.8	3,107.1	2,908.7	2,623.5	2,597.6
85 years and over . . . . .	---	6,037.9	5,367.6	6,819.5	6,479.6	6,088.5	5,858.8	5,633.5

See footnotes at end of table.

**Table 36 (page 2 of 3). Death rates for diseases of heart, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	320.5	264.1	256.4	245.8	222.2
All ages, crude . . . . .	---	---	---	130.6	108.0	101.0	92.3	90.1
45–54 years . . . . .	---	---	---	238.1	173.8	136.2	107.0	108.5
55–64 years . . . . .	---	---	---	496.3	411.0	375.7	294.0	285.0
65–74 years . . . . .	---	---	---	1,009.4	839.1	938.2	856.7	748.2
75–84 years . . . . .	---	---	---	2,062.2	1,788.8	1,858.5	1,890.2	1,655.7
85 years and over . . . . .	---	---	---	4,413.7	3,860.3	3,306.5	3,695.9	3,318.3
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	286.9	220.7	214.5	198.9	185.5
All ages, crude . . . . .	---	---	---	119.8	88.7	93.2	93.7	90.6
45–54 years . . . . .	---	---	---	112.0	70.4	69.8	60.9	61.1
55–64 years . . . . .	---	---	---	306.7	226.1	205.4	191.0	182.6
65–74 years . . . . .	---	---	---	852.4	623.5	581.0	488.9	482.5
75–84 years . . . . .	---	---	---	2,010.9	1,642.2	1,533.8	1,419.5	1,354.7
85 years and over . . . . .	---	---	---	5,923.0	4,617.8	4,888.9	4,747.5	4,154.2
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	270.0	260.8	249.2	238.2
All ages, crude . . . . .	---	---	---	---	91.0	83.1	77.7	74.7
45–54 years . . . . .	---	---	---	---	116.4	102.0	92.2	84.3
55–64 years . . . . .	---	---	---	---	363.0	311.2	272.1	264.8
65–74 years . . . . .	---	---	---	---	829.9	784.6	737.0	684.8
75–84 years . . . . .	---	---	---	---	1,971.3	1,854.0	1,816.0	1,733.2
85 years and over . . . . .	---	---	---	---	4,711.9	5,104.0	5,012.2	4,897.5
<b>White, not Hispanic or Latino male<sup>9</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	413.6	369.1	330.0	319.9
All ages, crude . . . . .	---	---	---	---	336.5	320.6	304.0	297.5
45–54 years . . . . .	---	---	---	---	172.8	155.9	135.0	134.3
55–64 years . . . . .	---	---	---	---	521.3	443.2	365.6	356.3
65–74 years . . . . .	---	---	---	---	1,243.4	1,077.0	935.2	885.1
75–84 years . . . . .	---	---	---	---	3,007.7	2,635.3	2,352.6	2,261.9
85 years and over . . . . .	---	---	---	---	7,663.4	7,156.4	6,713.7	6,606.6
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	478.0	441.7	376.7	315.9	250.9	230.8	212.8	205.6
All ages, crude . . . . .	289.4	306.5	313.8	319.2	298.4	294.7	282.4	274.5
45–54 years . . . . .	141.9	103.4	91.4	71.2	50.2	45.5	42.2	40.9
55–64 years . . . . .	460.2	383.0	317.7	248.1	192.4	172.0	147.8	141.3
65–74 years . . . . .	1,400.9	1,229.8	1,044.0	796.7	583.6	523.2	468.7	445.2
75–84 years . . . . .	3,925.2	3,629.7	3,143.5	2,493.6	1,874.3	1,670.3	1,509.0	1,452.4
85 years and over . . . . .	9,084.7	9,280.8	7,839.9	7,501.6	6,563.4	6,251.3	5,945.3	5,801.4
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	536.9	488.9	435.6	378.6	327.5	304.0	283.7	277.6
All ages, crude . . . . .	287.6	268.5	261.0	249.7	237.0	226.3	216.0	212.6
45–54 years . . . . .	525.3	360.7	290.9	202.4	155.3	141.5	125.8	125.0
55–64 years . . . . .	1,210.2	952.3	710.5	530.1	442.0	386.0	337.9	332.8
65–74 years . . . . .	1,659.4	1,680.5	1,553.2	1,210.3	1,017.5	938.2	838.6	815.2
75–84 years <sup>5</sup> . . . . .	3,499.3	2,926.9	2,964.1	2,707.2	2,250.9	2,100.7	1,980.3	1,913.1
85 years and over . . . . .	---	5,650.0	5,003.8	5,796.5	5,766.1	5,448.5	5,348.5	5,298.7

See footnotes at end of table.

**Table 36 (page 3 of 3). Death rates for diseases of heart, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	175.4	153.1	164.8	163.0	143.6
All ages, crude	---	---	---	80.3	77.5	80.2	77.5	71.9
45–54 years	---	---	---	65.2	62.0	62.4	42.1	40.2
55–64 years	---	---	---	193.5	197.0	200.7	162.8	149.4
65–74 years	---	---	---	577.2	492.8	514.2	458.3	391.8
75–84 years	---	---	---	1,364.3	1,050.3	1,184.3	1,239.9	1,044.1
85 years and over	---	---	---	2,893.3	2,868.7	3,118.1	3,442.9	3,146.3
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	132.3	149.2	137.6	124.2	115.7
All ages, crude	---	---	---	57.0	62.0	66.3	67.4	65.0
45–54 years	---	---	---	28.6	17.5	20.8	17.8	15.9
55–64 years	---	---	---	92.9	99.0	89.5	72.7	68.8
65–74 years	---	---	---	313.3	323.9	288.3	262.5	229.6
75–84 years	---	---	---	1,053.2	1,130.9	1,001.8	927.6	866.2
85 years and over	---	---	---	3,211.0	4,161.2	3,942.4	3,558.5	3,367.2
<b>Hispanic or Latino female<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	177.2	173.8	172.3	163.7
All ages, crude	---	---	---	---	79.4	76.5	74.6	71.5
45–54 years	---	---	---	---	43.5	32.0	30.5	28.2
55–64 years	---	---	---	---	153.2	141.0	122.5	111.2
65–74 years	---	---	---	---	460.4	419.0	379.0	366.3
75–84 years	---	---	---	---	1,259.7	1,231.3	1,236.1	1,169.4
85 years and over	---	---	---	---	4,440.3	4,653.1	4,828.9	4,605.8
<b>White, not Hispanic or Latino female<sup>5</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	252.6	231.5	213.9	206.8
All ages, crude	---	---	---	---	320.0	319.7	312.3	304.9
45–54 years	---	---	---	---	50.2	46.1	43.1	41.9
55–64 years	---	---	---	---	193.6	172.0	149.0	142.9
65–74 years	---	---	---	---	584.7	525.2	472.3	448.5
75–84 years	---	---	---	---	1,890.2	1,674.9	1,514.5	1,458.9
85 years and over	---	---	---	---	6,615.2	6,265.8	5,962.4	5,822.7

--- 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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>In 1950 rate is for the age group 75 years and over.

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

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, 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. 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortab.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortab.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted <sup>3</sup> . . . . .	180.7	177.9	147.7	96.2	65.3	63.1	61.6	60.9
All ages, crude . . . . .	104.0	108.0	101.9	75.0	57.8	59.2	60.0	59.6
Under 1 year . . . . .	5.1	4.1	5.0	4.4	3.8	5.9	2.7	3.3
1–4 years . . . . .	0.9	0.8	1.0	0.5	0.3	0.4	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	0.5	0.5
25–34 years . . . . .	4.2	4.7	4.5	2.6	2.2	1.7	1.4	1.5
35–44 years . . . . .	18.7	14.7	15.6	8.5	6.4	6.5	5.7	5.8
45–54 years . . . . .	70.4	49.2	41.6	25.2	18.7	17.4	15.2	16.0
55–64 years . . . . .	194.2	147.3	115.8	65.1	47.9	45.6	40.6	41.0
65–74 years . . . . .	554.7	469.2	384.1	219.0	144.2	136.2	130.8	128.6
75–84 years . . . . .	1,499.6	1,491.3	1,254.2	786.9	498.0	477.1	469.8	461.3
85 years and over . . . . .	2,990.1	3,680.5	3,014.3	2,283.7	1,628.9	1,607.2	1,614.8	1,589.2
Male								
All ages, age adjusted <sup>3</sup> . . . . .	186.4	186.1	157.4	102.2	68.5	65.9	63.2	62.4
All ages, crude . . . . .	102.5	104.5	94.5	63.4	46.7	47.2	47.1	46.9
Under 1 year . . . . .	6.4	5.0	5.8	5.0	4.4	6.4	3.3	3.8
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	1.8	1.5	1.5
35–44 years . . . . .	17.5	14.6	15.7	8.7	6.8	7.0	5.8	5.8
45–54 years . . . . .	67.9	52.2	44.4	27.2	20.5	19.5	16.7	17.5
55–64 years . . . . .	205.2	163.8	138.7	74.6	54.3	52.7	46.5	47.2
65–74 years . . . . .	589.6	530.7	449.5	258.6	166.6	154.7	147.3	145.0
75–84 years . . . . .	1,543.6	1,555.9	1,361.6	866.3	551.1	517.7	500.4	490.8
85 years and over . . . . .	3,048.6	3,643.1	2,895.2	2,193.6	1,528.5	1,522.1	1,512.8	1,484.3
Female								
All ages, age adjusted <sup>3</sup> . . . . .	175.8	170.7	140.0	91.7	62.6	60.5	59.8	59.1
All ages, crude . . . . .	105.6	111.4	109.0	85.9	68.4	70.7	72.3	71.8
Under 1 year . . . . .	3.7	3.2	4.0	3.8	3.1	5.3	2.1	2.7
1–4 years . . . . .	0.7	0.7	0.7	0.5	0.3	0.3	0.3	0.4
5–14 years . . . . .	0.4	0.6	0.6	0.3	0.2	0.1	0.2	0.2
15–24 years . . . . .	1.5	1.6	1.4	0.8	0.6	0.4	0.5	0.5
25–34 years . . . . .	4.3	4.9	4.7	2.6	2.2	1.6	1.4	1.5
35–44 years . . . . .	19.9	14.8	15.6	8.4	6.1	6.0	5.6	5.7
45–54 years . . . . .	72.9	46.3	39.0	23.3	17.0	15.3	13.8	14.5
55–64 years . . . . .	183.1	131.8	95.3	56.8	42.2	39.1	35.1	35.3
65–74 years . . . . .	522.1	415.7	333.3	188.7	126.7	121.4	117.2	115.1
75–84 years . . . . .	1,462.2	1,441.1	1,183.1	740.1	466.2	451.8	449.8	442.1
85 years and over . . . . .	2,949.4	3,704.4	3,081.0	2,323.1	1,667.6	1,640.0	1,656.0	1,632.0
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	182.1	181.6	153.7	98.7	65.5	62.9	60.8	59.8
All ages, crude . . . . .	100.5	102.7	93.5	63.1	46.9	48.0	48.7	48.4
45–54 years . . . . .	53.7	40.9	35.6	21.7	15.4	14.7	12.8	13.6
55–64 years . . . . .	182.2	139.0	119.9	64.0	45.7	44.2	38.9	39.7
65–74 years . . . . .	569.7	501.0	420.0	239.8	152.9	142.1	136.0	133.8
75–84 years . . . . .	1,556.3	1,564.8	1,361.6	852.7	539.2	503.8	490.3	480.0
85 years and over . . . . .	3,127.1	3,734.8	3,018.1	2,230.8	1,545.4	1,536.0	1,522.7	1,490.7
Black or AfricanAmerican male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	228.8	238.5	206.4	142.0	102.2	97.0	89.6	89.6
All ages, crude . . . . .	122.0	122.9	108.8	73.0	53.0	49.8	45.9	46.1
45–54 years . . . . .	211.9	166.1	136.1	82.1	68.4	62.3	48.6	49.5
55–64 years . . . . .	522.8	439.9	343.4	189.7	141.7	130.8	117.9	115.4
65–74 years . . . . .	783.6	899.2	780.1	472.3	326.9	297.0	274.7	268.5
75–84 years <sup>5</sup> . . . . .	1,504.9	1,475.2	1,445.7	1,066.3	721.5	705.9	650.6	659.2
85 years and over . . . . .	---	2,700.0	1,963.1	1,873.2	1,421.5	1,410.1	1,448.3	1,458.8

See footnotes at end of table.



**Table 37 (page 2 of 3). Death rates for cerebrovascular diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	66.4	44.3	51.7	50.0	46.1
All ages, crude . . . . .	---	---	---	23.1	16.0	18.4	16.7	16.8
45–54 years . . . . .	---	---	---	*	*	25.5	13.8	13.3
55–64 years . . . . .	---	---	---	72.0	39.8	42.6	31.7	48.6
65–74 years . . . . .	---	---	---	170.5	120.3	156.4	143.2	144.7
75–84 years . . . . .	---	---	---	523.9	325.9	351.2	467.9	373.3
85 years and over . . . . .	---	---	---	1,384.7	949.8	1,072.4	865.0	834.9
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	71.4	59.1	64.0	58.7	58.0
All ages, crude . . . . .	---	---	---	28.7	23.3	27.5	27.0	27.2
45–54 years . . . . .	---	---	---	17.0	15.6	16.5	17.3	15.0
55–64 years . . . . .	---	---	---	59.9	51.8	59.6	49.0	49.3
65–74 years . . . . .	---	---	---	197.9	167.9	155.6	132.5	135.6
75–84 years . . . . .	---	---	---	619.5	483.9	521.9	459.6	438.7
85 years and over . . . . .	---	---	---	1,399.0	1,196.6	1,382.1	1,401.3	1,415.6
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	46.5	51.2	52.6	50.5
All ages, crude . . . . .	---	---	---	---	15.6	16.2	16.1	15.8
45–54 years . . . . .	---	---	---	---	20.0	20.3	19.5	18.1
55–64 years . . . . .	---	---	---	---	49.2	46.9	46.1	48.8
65–74 years . . . . .	---	---	---	---	126.4	138.1	140.8	136.1
75–84 years . . . . .	---	---	---	---	356.6	373.3	395.2	392.9
85 years and over . . . . .	---	---	---	---	866.3	1,079.5	1,136.6	1,029.9
<b>White, not Hispanic or Latino male<sup>9</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	66.3	62.8	60.8	59.9
All ages, crude . . . . .	---	---	---	---	50.6	51.9	53.9	53.9
45–54 years . . . . .	---	---	---	---	14.9	13.9	12.0	13.0
55–64 years . . . . .	---	---	---	---	45.1	43.3	38.0	38.7
65–74 years . . . . .	---	---	---	---	154.5	141.4	135.0	133.1
75–84 years . . . . .	---	---	---	---	547.3	506.2	492.8	482.3
85 years and over . . . . .	---	---	---	---	1,578.7	1,544.8	1,535.1	1,505.9
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	169.7	165.0	135.5	89.0	60.3	58.6	58.0	57.3
All ages, crude . . . . .	103.3	110.1	109.8	88.6	71.6	75.1	77.6	76.9
45–54 years . . . . .	55.0	33.8	30.5	18.6	13.5	12.6	10.7	11.2
55–64 years . . . . .	156.9	103.0	78.1	48.6	35.8	33.3	29.4	30.2
65–74 years . . . . .	498.1	383.3	303.2	172.5	116.1	111.7	108.6	107.3
75–84 years . . . . .	1,471.3	1,444.7	1,176.8	728.8	456.5	443.4	442.8	434.2
85 years and over . . . . .	3,017.9	3,795.7	3,167.6	2,362.7	1,685.9	1,656.7	1,675.4	1,646.7
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	238.4	232.5	189.3	119.6	84.0	79.4	76.2	76.2
All ages, crude . . . . .	128.3	127.7	112.2	77.8	60.7	59.1	57.9	58.3
45–54 years . . . . .	248.9	166.2	119.4	61.8	44.1	36.0	35.3	38.1
55–64 years . . . . .	567.7	452.0	272.4	138.4	96.9	85.6	78.9	76.4
65–74 years . . . . .	754.4	830.5	673.5	361.7	236.7	222.3	201.7	190.9
75–84 years <sup>5</sup> . . . . .	1,496.7	1,413.1	1,338.3	917.5	595.0	565.1	556.8	549.2
85 years and over . . . . .	---	2,578.9	2,210.5	1,891.6	1,495.2	1,518.4	1,509.1	1,556.5

See footnotes at end of table.

**Table 37 (page 3 of 3). Death rates for cerebrovascular diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	51.2	38.4	46.3	46.4	43.7
All ages, crude	---	---	---	22.0	19.3	22.0	21.8	21.5
45–54 years	---	---	---	*	*	*	*	14.4
55–64 years	---	---	---	*	40.7	41.5	41.8	37.9
65–74 years	---	---	---	128.3	100.5	114.8	91.3	79.5
75–84 years	---	---	---	404.2	282.0	364.4	360.5	391.1
85 years and over	---	---	---	1,095.5	776.2	983.9	1,123.7	931.5
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	60.8	54.9	48.3	49.0	49.1
All ages, crude	---	---	---	26.4	24.3	24.2	27.7	28.7
45–54 years	---	---	---	20.3	19.7	15.6	14.9	13.3
55–64 years	---	---	---	43.7	42.1	37.6	39.5	33.3
65–74 years	---	---	---	136.1	124.0	101.0	103.6	102.8
75–84 years	---	---	---	446.6	396.6	381.8	360.2	386.0
85 years and over	---	---	---	1,545.2	1,395.0	1,197.0	1,275.5	1,246.6
<b>Hispanic or Latino female<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	43.7	42.7	42.2	43.0
All ages, crude	---	---	---	---	20.1	19.4	18.8	19.4
45–54 years	---	---	---	---	15.2	15.1	11.9	12.4
55–64 years	---	---	---	---	38.5	36.5	30.3	31.9
65–74 years	---	---	---	---	102.6	102.3	98.1	95.2
75–84 years	---	---	---	---	308.5	307.3	317.1	311.3
85 years and over	---	---	---	---	1,055.3	1,021.0	1,049.2	1,108.9
<b>White, not Hispanic or Latino female<sup>5</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	61.0	58.7	58.4	57.6
All ages, crude	---	---	---	---	77.2	81.5	86.1	85.5
45–54 years	---	---	---	---	13.2	12.3	10.5	10.9
55–64 years	---	---	---	---	35.7	32.6	29.1	29.9
65–74 years	---	---	---	---	116.9	111.4	108.8	107.6
75–84 years	---	---	---	---	461.9	445.9	447.0	438.3
85 years and over	---	---	---	---	1,714.7	1,666.8	1,693.0	1,661.6

--- 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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>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: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, 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. 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: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>3</sup> . . . . .	193.9	193.9	198.6	207.9	216.0	209.9	200.8	199.6
All ages, crude . . . . .	139.8	149.2	162.8	183.9	203.2	202.2	197.0	196.5
Under 1 year . . . . .	8.7	7.2	4.7	3.2	2.3	1.8	1.8	2.4
1–4 years . . . . .	11.7	10.9	7.5	4.5	3.5	3.1	2.7	2.7
5–14 years . . . . .	6.7	6.8	6.0	4.3	3.1	2.7	2.5	2.5
15–24 years . . . . .	8.6	8.3	8.3	6.3	4.9	4.5	4.5	4.4
25–34 years . . . . .	20.0	19.5	16.5	13.7	12.6	11.6	10.0	9.8
35–44 years . . . . .	62.7	59.7	59.5	48.6	43.3	40.1	37.1	36.6
45–54 years . . . . .	175.1	177.0	182.5	180.0	158.9	140.4	127.6	127.5
55–64 years . . . . .	390.7	396.8	423.0	436.1	449.6	412.3	374.6	366.7
65–74 years . . . . .	698.8	713.9	754.2	817.9	872.3	863.3	827.1	816.3
75–84 years . . . . .	1,153.3	1,127.4	1,169.2	1,232.3	1,348.5	1,355.4	1,331.5	1,335.6
85 years and over . . . . .	1,451.0	1,450.0	1,320.7	1,594.6	1,752.9	1,797.7	1,805.8	1,819.4
Male								
All ages, age adjusted <sup>3</sup> . . . . .	208.1	225.1	247.6	271.2	280.4	267.5	251.9	248.9
All ages, crude . . . . .	142.9	162.5	182.1	205.3	221.3	216.3	208.9	207.2
Under 1 year . . . . .	9.7	7.7	4.4	3.7	2.4	1.9	1.9	2.6
1–4 years . . . . .	12.5	12.4	8.3	5.2	3.7	3.6	2.9	3.0
5–14 years . . . . .	7.4	7.6	6.7	4.9	3.5	3.0	2.7	2.7
15–24 years . . . . .	9.7	10.2	10.4	7.8	5.7	5.4	5.2	5.1
25–34 years . . . . .	17.7	18.8	16.3	13.4	12.6	11.3	9.7	9.2
35–44 years . . . . .	45.6	48.9	53.0	44.0	38.5	36.3	33.3	32.7
45–54 years . . . . .	156.2	170.8	183.5	188.7	162.5	141.5	131.7	130.9
55–64 years . . . . .	413.1	459.9	511.8	520.8	532.9	475.1	428.4	415.8
65–74 years . . . . .	791.5	890.5	1,006.8	1,093.2	1,122.2	1,083.0	1,019.4	1,001.9
75–84 years . . . . .	1,332.6	1,389.4	1,588.3	1,790.5	1,914.4	1,847.9	1,767.0	1,760.6
85 years and over . . . . .	1,668.3	1,741.2	1,720.8	2,369.5	2,739.9	2,818.7	2,722.2	2,710.7
Female								
All ages, age adjusted <sup>3</sup> . . . . .	182.3	168.7	163.2	166.7	175.7	173.6	167.6	167.6
All ages, crude . . . . .	136.8	136.4	144.4	163.6	186.0	188.8	185.6	186.2
Under 1 year . . . . .	7.6	6.8	5.0	2.7	2.2	1.8	1.7	2.3
1–4 years . . . . .	10.8	9.3	6.7	3.7	3.2	2.6	2.5	2.5
5–14 years . . . . .	6.0	6.0	5.2	3.6	2.8	2.3	2.3	2.2
15–24 years . . . . .	7.6	6.5	6.2	4.8	4.1	3.5	3.7	3.6
25–34 years . . . . .	22.2	20.1	16.7	14.0	12.6	11.9	10.3	10.4
35–44 years . . . . .	79.3	70.0	65.6	53.1	48.1	43.8	40.9	40.4
45–54 years . . . . .	194.0	183.0	181.5	171.8	155.5	139.3	123.7	124.2
55–64 years . . . . .	368.2	337.7	343.2	361.7	375.2	355.1	325.0	321.3
65–74 years . . . . .	612.3	560.2	557.9	607.1	677.4	687.1	669.5	663.6
75–84 years . . . . .	1,000.7	924.1	891.9	903.1	1,010.3	1,047.5	1,048.5	1,058.5
85 years and over . . . . .	1,299.7	1,263.9	1,096.7	1,255.7	1,372.1	1,404.4	1,436.5	1,456.4
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	210.0	224.7	244.8	265.1	272.2	260.6	246.5	243.9
All ages, crude . . . . .	147.2	166.1	185.1	208.7	227.7	225.3	219.5	218.1
25–34 years . . . . .	17.7	18.8	16.2	13.6	12.3	11.0	9.5	9.2
35–44 years . . . . .	44.5	46.3	50.1	41.1	35.8	34.1	31.9	30.9
45–54 years . . . . .	150.8	164.1	172.0	175.4	149.9	132.7	123.5	123.5
55–64 years . . . . .	409.4	450.9	498.1	497.4	508.2	456.0	412.7	401.9
65–74 years . . . . .	798.7	887.3	997.0	1,070.7	1,090.7	1,056.1	1,002.3	984.3
75–84 years . . . . .	1,367.6	1,413.7	1,592.7	1,779.7	1,883.2	1,817.4	1,741.8	1,736.0
85 years and over . . . . .	1,732.7	1,791.4	1,772.2	2,375.6	2,715.1	2,789.4	2,696.3	2,693.7
Black or African American male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	178.9	227.6	291.9	353.4	397.9	374.3	346.1	340.3
All ages, crude . . . . .	106.6	136.7	171.6	205.5	221.9	204.8	191.0	188.5
25–34 years . . . . .	18.0	18.4	18.8	14.1	15.7	14.8	11.4	10.1
35–44 years . . . . .	55.7	72.9	81.3	73.8	64.3	57.2	47.3	48.4
45–54 years . . . . .	211.7	244.7	311.2	333.0	302.6	243.9	221.3	214.2
55–64 years . . . . .	490.8	579.7	689.2	812.5	859.2	738.1	659.0	626.4
65–74 years . . . . .	636.5	938.5	1,168.9	1,417.2	1,613.9	1,541.4	1,369.8	1,363.8
75–84 years <sup>5</sup> . . . . .	853.5	1,053.3	1,624.8	2,029.6	2,478.3	2,449.8	2,359.4	2,351.8
85 years and over . . . . .	---	1,155.2	1,387.0	2,393.9	3,238.3	3,395.5	3,340.7	3,264.8

See footnotes at end of table.

**Table 38 (page 2 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	140.5	145.8	169.0	169.0	155.8
All ages, crude . . . . .	---	---	---	58.1	61.4	67.8	67.3	67.0
25–34 years . . . . .	---	---	---	*	*	*	*	*
35–44 years . . . . .	---	---	---	*	22.8	14.3	16.1	21.4
45–54 years . . . . .	---	---	---	86.9	86.9	79.2	74.2	70.3
55–64 years . . . . .	---	---	---	213.4	246.2	279.8	250.1	255.6
65–74 years . . . . .	---	---	---	613.0	530.6	684.7	708.7	648.0
75–84 years . . . . .	---	---	---	936.4	1,038.4	1,346.3	1,297.6	1,152.5
85 years and over . . . . .	---	---	---	1,471.2	1,654.4	1,549.0	1,808.7	1,584.2
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	165.2	172.5	164.3	151.2	150.8
All ages, crude . . . . .	---	---	---	81.9	82.7	83.7	84.3	85.2
25–34 years . . . . .	---	---	---	6.3	9.2	8.2	8.5	7.4
35–44 years . . . . .	---	---	---	29.4	27.7	26.1	25.6	26.1
45–54 years . . . . .	---	---	---	108.2	92.6	82.4	80.3	78.5
55–64 years . . . . .	---	---	---	298.5	274.6	244.8	229.4	229.2
65–74 years . . . . .	---	---	---	581.2	687.2	614.3	569.4	559.4
75–84 years . . . . .	---	---	---	1,147.6	1,229.9	1,167.2	1,055.9	1,086.1
85 years and over . . . . .	---	---	---	1,798.7	1,837.0	2,081.3	1,860.4	1,823.2
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	174.7	180.9	170.6	171.7
All ages, crude . . . . .	---	---	---	---	65.5	65.4	61.2	61.3
25–34 years . . . . .	---	---	---	---	8.0	8.4	6.6	6.9
35–44 years . . . . .	---	---	---	---	22.5	24.7	19.8	20.1
45–54 years . . . . .	---	---	---	---	96.6	85.0	84.6	79.4
55–64 years . . . . .	---	---	---	---	294.0	281.6	268.1	253.1
65–74 years . . . . .	---	---	---	---	655.5	697.9	668.9	651.2
75–84 years . . . . .	---	---	---	---	1,233.4	1,359.8	1,252.9	1,306.4
85 years and over . . . . .	---	---	---	---	2,019.4	2,018.6	1,945.3	2,049.7
<b>White, not Hispanic or Latino male<sup>9</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	276.7	263.5	250.4	247.7
All ages, crude . . . . .	---	---	---	---	246.2	246.0	245.1	244.4
25–34 years . . . . .	---	---	---	---	12.8	11.2	10.1	9.7
35–44 years . . . . .	---	---	---	---	36.8	34.8	33.5	32.3
45–54 years . . . . .	---	---	---	---	153.9	135.6	126.7	127.2
55–64 years . . . . .	---	---	---	---	520.6	464.9	422.3	412.0
65–74 years . . . . .	---	---	---	---	1,109.0	1,069.9	1,019.3	1,002.1
75–84 years . . . . .	---	---	---	---	1,906.6	1,825.4	1,757.7	1,750.2
85 years and over . . . . .	---	---	---	---	2,744.4	2,810.8	2,721.3	2,714.1
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	182.0	167.7	162.5	165.2	174.0	172.1	166.4	166.9
All ages, crude . . . . .	139.9	139.8	149.4	170.3	196.1	200.6	198.2	199.4
25–34 years . . . . .	20.9	18.8	16.3	13.5	11.9	11.2	10.1	10.1
35–44 years . . . . .	74.5	66.6	62.4	50.9	46.2	41.9	38.7	38.2
45–54 years . . . . .	185.8	175.7	177.3	166.4	150.9	135.0	120.2	120.1
55–64 years . . . . .	362.5	329.0	338.6	355.5	368.5	350.3	320.7	319.7
65–74 years . . . . .	616.5	562.1	554.7	605.2	675.1	685.6	669.4	665.6
75–84 years . . . . .	1,026.6	939.3	903.5	905.4	1,011.8	1,047.9	1,049.6	1,063.4
85 years and over . . . . .	1,348.3	1,304.9	1,126.6	1,266.8	1,372.3	1,405.4	1,438.2	1,459.1

See footnotes at end of table.

**Table 38 (page 3 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	174.1	174.3	173.4	189.5	205.9	203.8	196.9	193.8
All ages, crude . . . . .	111.8	113.8	117.3	136.5	156.1	155.8	153.3	151.8
25–34 years . . . . .	34.3	31.0	20.9	18.3	18.7	16.5	13.0	13.5
35–44 years . . . . .	119.8	102.4	94.6	73.5	67.4	61.7	59.8	58.9
45–54 years . . . . .	277.0	254.8	228.6	230.2	209.9	190.6	168.5	173.9
55–64 years . . . . .	484.6	442.7	404.8	450.4	482.4	444.9	411.1	391.0
65–74 years . . . . .	477.3	541.6	615.8	662.4	773.2	803.5	772.7	753.1
75–84 years <sup>5</sup> . . . . .	605.3	696.3	763.3	923.9	1,059.9	1,120.8	1,142.6	1,124.0
85 years and over . . . . .	---	728.9	791.5	1,159.9	1,431.3	1,446.2	1,510.4	1,527.7
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	94.0	106.9	117.7	113.1	108.3
All ages, crude . . . . .	---	---	---	50.4	62.1	64.5	62.4	61.3
25–34 years . . . . .	---	---	---	*	*	10.2	*	*
35–44 years . . . . .	---	---	---	36.9	31.0	29.7	22.1	23.7
45–54 years . . . . .	---	---	---	96.9	104.5	76.9	64.3	59.7
55–64 years . . . . .	---	---	---	198.4	213.3	213.2	227.2	200.9
65–74 years . . . . .	---	---	---	350.8	438.9	437.0	482.1	458.3
75–84 years . . . . .	---	---	---	446.4	554.3	819.9	780.4	714.0
85 years and over . . . . .	---	---	---	786.5	843.7	1,039.4	824.9	983.2
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	93.0	103.0	107.4	102.3	100.7
All ages, crude . . . . .	---	---	---	54.1	60.5	69.5	71.4	72.1
25–34 years . . . . .	---	---	---	9.5	7.3	9.9	6.8	8.1
35–44 years . . . . .	---	---	---	38.7	29.8	27.6	27.3	28.9
45–54 years . . . . .	---	---	---	99.8	93.9	94.4	78.7	78.2
55–64 years . . . . .	---	---	---	174.7	196.2	203.5	185.3	176.5
65–74 years . . . . .	---	---	---	301.9	346.2	343.3	367.2	357.4
75–84 years . . . . .	---	---	---	522.1	641.4	681.0	659.5	650.1
85 years and over . . . . .	---	---	---	800.0	971.7	1,092.7	999.5	988.5
<b>Hispanic or Latino female<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	111.9	110.8	110.9	110.8
All ages, crude . . . . .	---	---	---	---	60.7	58.7	58.0	58.5
25–34 years . . . . .	---	---	---	---	9.7	8.5	8.3	7.8
35–44 years . . . . .	---	---	---	---	34.8	30.7	29.4	30.7
45–54 years . . . . .	---	---	---	---	100.5	89.7	85.1	84.7
55–64 years . . . . .	---	---	---	---	205.4	203.0	187.2	192.5
65–74 years . . . . .	---	---	---	---	404.8	398.0	404.3	410.0
75–84 years . . . . .	---	---	---	---	663.0	706.2	709.8	716.5
85 years and over . . . . .	---	---	---	---	1,022.7	1,028.6	1,136.5	1,056.5

See footnotes at end of table.

**Table 38 (page 4 of 4). Death rates for malignant neoplasms, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
White, not Hispanic or Latino female <sup>6</sup>	Deaths per 100,000 resident population							
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	177.5	174.7	169.4	170.0
All ages, crude . . . . .	---	---	---	---	210.6	217.3	218.4	220.6
25–34 years . . . . .	---	---	---	---	11.9	11.5	10.3	10.5
35–44 years . . . . .	---	---	---	---	47.0	42.7	39.7	38.9
45–54 years . . . . .	---	---	---	---	154.9	137.8	123.0	123.0
55–64 years . . . . .	---	---	---	---	379.5	359.3	330.5	328.9
65–74 years . . . . .	---	---	---	---	688.5	697.9	684.6	681.0
75–84 years . . . . .	---	---	---	---	1,027.2	1,056.1	1,060.5	1,075.3
85 years and over . . . . .	---	---	---	---	1,385.7	1,411.6	1,444.2	1,468.7

--- 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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>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: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. See Appendix II, 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. 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: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
All persons								
All ages, age adjusted <sup>3</sup> . . . . .	15.0	24.1	37.1	49.9	59.3	58.4	55.5	56.1
All ages, crude . . . . .	12.2	20.3	32.1	45.8	56.8	56.8	54.5	55.3
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	0.6	0.4	0.5
35–44 years . . . . .	4.5	6.8	11.0	9.2	6.8	6.0	6.0	6.1
45–54 years . . . . .	20.4	29.6	43.4	54.1	46.8	37.5	31.3	31.6
55–64 years . . . . .	48.7	75.3	109.1	138.2	160.6	141.6	123.4	122.4
65–74 years . . . . .	59.7	108.1	164.5	233.3	288.4	295.4	281.5	284.2
75–84 years . . . . .	55.8	91.5	163.2	240.5	333.3	358.9	362.1	370.8
85 years and over . . . . .	42.3	65.6	101.7	176.0	242.5	279.9	297.0	302.1
Male								
All ages, age adjusted <sup>3</sup> . . . . .	24.6	43.6	67.5	85.2	91.1	84.2	76.9	76.7
All ages, crude . . . . .	19.9	35.4	53.4	68.6	75.1	70.5	65.4	65.5
Under 25 years . . . . .	0.0	0.0	0.1	0.1	0.0	0.1	*	*
25–34 years . . . . .	1.1	1.4	1.3	0.8	0.9	0.7	0.5	0.5
35–44 years . . . . .	7.1	10.5	16.1	11.9	8.5	7.0	6.6	6.9
45–54 years . . . . .	35.0	50.6	67.5	76.0	59.7	46.3	38.2	38.5
55–64 years . . . . .	83.8	139.3	189.7	213.6	222.9	185.3	158.0	154.0
65–74 years . . . . .	98.7	204.3	320.8	403.9	430.4	414.3	377.2	377.9
75–84 years . . . . .	82.6	167.1	330.8	488.8	572.9	553.8	527.6	532.2
85 years and over . . . . .	62.5	107.7	194.0	368.1	513.2	540.3	529.2	521.2
Female								
All ages, age adjusted <sup>3</sup> . . . . .	5.8	7.5	13.1	24.4	37.1	40.4	40.2	41.3
All ages, crude . . . . .	4.5	6.4	11.9	24.3	39.4	43.6	44.1	45.4
Under 25 years . . . . .	0.1	0.0	0.0	*	*	*	*	*
25–34 years . . . . .	0.5	5.4	0.5	0.5	0.5	0.6	0.4	0.5
35–44 years . . . . .	1.9	3.2	6.1	6.5	5.2	5.0	5.5	5.3
45–54 years . . . . .	5.8	9.2	21.0	33.7	34.5	29.1	24.6	25.0
55–64 years . . . . .	13.6	15.4	36.8	72.0	105.0	101.9	91.5	93.3
65–74 years . . . . .	23.3	24.4	43.1	102.7	177.6	200.0	203.1	206.9
75–84 years . . . . .	32.9	32.8	52.4	94.1	190.1	237.2	254.5	265.6
85 years and over . . . . .	28.2	38.8	50.0	91.9	138.1	179.6	203.5	212.8
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	25.1	43.6	67.1	83.8	89.0	82.6	75.6	75.7
All ages, crude . . . . .	20.8	36.4	54.6	70.2	77.8	74.0	69.1	69.4
45–54 years . . . . .	35.1	49.2	63.3	70.9	55.2	43.2	35.2	35.7
55–64 years . . . . .	85.4	139.2	186.8	205.6	213.7	178.9	153.9	150.8
65–74 years . . . . .	101.5	207.5	325.0	401.0	422.1	408.0	373.4	374.9
75–84 years . . . . .	85.5	170.4	336.7	493.5	572.2	550.8	523.5	529.9
85 years and over . . . . .	67.4	109.4	199.6	374.1	516.3	539.3	531.5	522.4
Black or African American male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	17.8	42.6	75.4	107.6	125.4	115.1	103.0	101.1
All ages, crude . . . . .	12.1	28.1	47.7	66.6	73.7	65.6	58.9	58.3
45–54 years . . . . .	34.4	68.4	115.4	133.8	114.9	85.2	72.6	70.7
55–64 years . . . . .	68.3	146.8	234.3	321.1	358.6	288.5	237.6	223.5
65–74 years . . . . .	53.8	168.3	300.5	472.3	585.4	559.5	484.4	488.8
75–84 years <sup>5</sup> . . . . .	36.2	107.3	271.6	472.9	645.4	667.1	661.0	642.5
85 years and over . . . . .	---	82.8	137.0	311.3	499.5	583.0	574.2	562.8
American Indian or Alaska Native male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	31.7	47.5	53.6	49.4	42.9
All ages, crude . . . . .	---	---	---	14.2	20.0	21.8	20.2	18.1
45–54 years . . . . .	---	---	---	*	26.6	23.8	16.4	14.5
55–64 years . . . . .	---	---	---	72.0	97.8	98.9	96.4	86.0
65–74 years . . . . .	---	---	---	202.8	194.3	261.5	264.5	184.8
75–84 years . . . . .	---	---	---	*	356.2	409.7	343.1	367.9
85 years and over . . . . .	---	---	---	*	*	*	*	*

See footnotes at end of table.

**Table 39 (page 2 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	43.3	44.2	41.0	39.1	40.9
All ages, crude . . . . .	---	---	---	22.1	20.7	20.7	21.6	22.7
45–54 years . . . . .	---	---	---	33.3	18.8	18.6	15.2	17.2
55–64 years . . . . .	---	---	---	94.4	74.4	64.4	56.1	61.4
65–74 years . . . . .	---	---	---	174.3	215.8	184.0	196.3	183.2
75–84 years . . . . .	---	---	---	301.3	307.5	296.6	311.4	323.2
85 years and over . . . . .	---	---	---	*	421.3	439.0	298.0	378.0
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	44.1	42.2	39.6	39.0
All ages, crude . . . . .	---	---	---	---	16.2	14.8	13.6	13.3
45–54 years . . . . .	---	---	---	---	21.5	17.5	14.2	14.8
55–64 years . . . . .	---	---	---	---	80.7	69.9	68.1	58.6
65–74 years . . . . .	---	---	---	---	195.5	192.0	175.3	167.3
75–84 years . . . . .	---	---	---	---	313.4	324.4	316.0	327.5
85 years and over . . . . .	---	---	---	---	420.7	382.8	362.3	368.8
<b>White, not Hispanic or Latino male<sup>6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	91.1	84.1	77.6	77.9
All ages, crude . . . . .	---	---	---	---	84.7	81.5	78.1	78.9
45–54 years . . . . .	---	---	---	---	57.8	44.9	37.1	37.7
55–64 years . . . . .	---	---	---	---	221.0	184.8	160.1	157.7
65–74 years . . . . .	---	---	---	---	431.4	416.0	384.4	387.3
75–84 years . . . . .	---	---	---	---	580.4	554.8	531.1	537.7
85 years and over . . . . .	---	---	---	---	520.9	542.7	536.9	527.3
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	5.9	6.8	13.1	24.5	37.6	41.1	41.0	42.3
All ages, crude . . . . .	4.7	5.9	12.3	25.6	42.4	47.5	48.2	49.9
45–54 years . . . . .	5.7	9.0	20.9	33.0	34.6	29.3	24.4	24.8
55–64 years . . . . .	13.7	15.1	37.2	71.9	105.7	104.0	93.8	96.1
65–74 years . . . . .	23.7	24.8	42.9	104.6	181.3	203.8	208.6	213.2
75–84 years . . . . .	34.0	32.7	52.6	95.2	194.6	243.3	259.1	272.7
85 years and over . . . . .	29.3	39.1	50.6	92.4	138.3	181.0	205.3	215.9
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	4.5	6.8	13.7	24.8	36.8	38.8	39.9	39.8
All ages, crude . . . . .	2.8	4.3	9.4	18.3	28.1	29.5	30.7	30.8
45–54 years . . . . .	7.5	11.3	23.9	43.4	41.3	34.5	31.9	32.9
55–64 years . . . . .	12.9	17.9	33.5	79.9	117.9	106.9	94.4	95.3
65–74 years . . . . .	14.0	18.1	46.1	88.0	164.3	196.2	192.3	194.1
75–84 years <sup>5</sup> . . . . .	*	31.3	49.1	79.4	148.1	183.2	234.9	224.3
85 years and over . . . . .	---	34.2	44.8	85.8	134.9	158.9	184.4	185.9
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	11.7	19.3	25.9	27.3	24.8
All ages, crude . . . . .	---	---	---	6.0	11.2	13.8	14.9	14.0
45–54 years . . . . .	---	---	---	*	22.9	*	*	12.1
55–64 years . . . . .	---	---	---	*	53.7	45.7	71.2	52.6
65–74 years . . . . .	---	---	---	*	78.5	134.6	146.8	151.5
75–84 years . . . . .	---	---	---	*	111.8	209.5	190.2	136.3
85 years and over . . . . .	---	---	---	*	*	*	*	*

See footnotes at end of table.

**Table 39 (page 3 of 3). Death rates for malignant neoplasms of trachea, bronchus, and lung, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	15.4	18.9	21.4	19.3	18.4
All ages, crude	---	---	---	8.4	10.5	13.0	13.0	12.6
45–54 years	---	---	---	13.5	11.3	11.6	11.5	9.9
55–64 years	---	---	---	24.6	38.3	37.6	30.4	30.4
65–74 years	---	---	---	62.4	71.6	84.2	82.8	77.0
75–84 years	---	---	---	117.7	137.9	153.5	130.2	135.0
85 years and over	---	---	---	*	172.9	235.5	217.0	175.3
<b>Hispanic or Latino female<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	14.1	14.3	14.6	14.7
All ages, crude	---	---	---	---	7.2	7.1	7.1	7.2
45–54 years	---	---	---	---	8.7	7.1	6.7	7.1
55–64 years	---	---	---	---	25.1	25.5	23.1	22.2
65–74 years	---	---	---	---	66.8	59.2	64.0	66.0
75–84 years	---	---	---	---	94.3	111.0	102.3	112.3
85 years and over	---	---	---	---	118.2	128.3	162.2	137.5
<b>White, not Hispanic or Latino female<sup>6</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	39.0	42.5	42.7	44.1
All ages, crude	---	---	---	---	46.2	52.3	54.3	56.4
45–54 years	---	---	---	---	36.6	31.0	26.1	26.4
55–64 years	---	---	---	---	111.3	109.4	99.5	102.2
65–74 years	---	---	---	---	186.4	210.4	217.5	222.9
75–84 years	---	---	---	---	199.1	247.2	265.0	279.2
85 years and over	---	---	---	---	139.0	181.6	206.2	218.0

0.0Quantity 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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>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: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, 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. 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: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

This table will be updated with 2001 data 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 for females, according to race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>3</sup> . . . . .	31.9	31.7	32.1	31.9	33.3	30.5	26.6	26.8
All ages, crude . . . . .	24.7	26.1	28.4	30.6	34.0	32.2	28.9	29.2
Under 25 years . . . . .	*	*	*	*	*	*	*	*
25–34 years . . . . .	3.8	3.8	3.9	3.3	2.9	2.6	2.2	2.3
35–44 years . . . . .	20.8	20.2	20.4	17.9	17.8	14.9	12.0	12.4
45–54 years . . . . .	46.9	51.4	52.6	48.1	45.4	41.0	32.9	33.0
55–64 years . . . . .	69.9	70.8	77.6	80.5	78.6	69.4	59.2	59.3
65–74 years . . . . .	95.0	90.0	93.8	101.1	111.7	102.8	88.9	88.3
75–84 years . . . . .	139.8	129.9	127.4	126.4	146.3	140.1	128.9	128.9
85 years and over . . . . .	195.5	191.9	157.1	169.3	196.8	200.2	200.8	205.7
White <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	32.4	32.0	32.5	32.1	33.2	30.1	26.0	26.3
All ages, crude . . . . .	25.7	27.2	29.9	32.3	35.9	33.8	30.2	30.7
35–44 years . . . . .	20.8	19.7	20.2	17.3	17.1	14.0	10.8	11.3
45–54 years . . . . .	47.1	51.2	53.0	48.1	44.3	38.9	30.9	31.2
55–64 years . . . . .	70.9	71.8	79.3	81.3	78.5	68.3	57.5	57.9
65–74 years . . . . .	96.3	91.6	95.9	103.7	113.3	103.3	88.9	89.3
75–84 years . . . . .	143.6	132.8	129.6	128.4	148.2	141.4	129.5	130.2
85 years and over . . . . .	204.2	199.7	161.9	171.7	198.0	202.6	202.9	205.5
Black or African American <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	25.3	27.9	28.9	31.7	38.1	38.0	35.1	34.5
All ages, crude . . . . .	16.4	18.7	19.7	22.9	29.0	29.6	28.2	27.9
35–44 years . . . . .	21.0	24.8	24.4	24.1	25.8	22.9	21.7	20.9
45–54 years . . . . .	46.5	54.4	52.0	52.7	60.5	61.9	53.0	51.5
55–64 years . . . . .	64.3	63.2	64.7	79.9	93.1	89.1	82.2	80.9
65–74 years . . . . .	67.0	72.3	77.3	84.3	112.2	117.9	106.2	98.6
75–84 years <sup>5</sup> . . . . .	81.0	87.5	101.8	114.1	140.5	147.2	145.4	139.8
85 years and over . . . . .	---	92.1	112.1	149.9	201.5	192.7	199.3	238.7
American Indian or Alaska Native <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	10.8	13.7	15.0	15.5	13.6
All ages, crude . . . . .	---	---	---	6.1	8.6	9.0	9.1	8.7
35–44 years . . . . .	---	---	---	*	*	*	*	*
45–54 years . . . . .	---	---	---	*	23.9	21.6	16.1	14.4
55–64 years . . . . .	---	---	---	*	*	37.4	31.6	40.0
65–74 years . . . . .	---	---	---	*	*	46.3	69.4	42.5
75–84 years . . . . .	---	---	---	*	*	*	*	71.8
85 years and over . . . . .	---	---	---	*	*	*	*	*
Asian or Pacific Islander <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	11.9	13.7	13.9	12.7	12.3
All ages, crude . . . . .	---	---	---	8.2	9.3	10.8	10.0	10.2
35–44 years . . . . .	---	---	---	10.4	8.4	8.0	6.4	8.1
45–54 years . . . . .	---	---	---	23.4	26.4	29.1	19.8	22.3
55–64 years . . . . .	---	---	---	35.7	33.8	37.9	36.7	31.3
65–74 years . . . . .	---	---	---	*	38.5	36.6	37.5	34.7
75–84 years . . . . .	---	---	---	*	48.0	42.3	44.6	37.5
85 years and over . . . . .	---	---	---	*	*	*	77.7	68.2
Hispanic or Latino <sup>4,6</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	19.5	18.7	16.4	16.9
All ages, crude . . . . .	---	---	---	---	11.5	10.6	9.3	9.7
35–44 years . . . . .	---	---	---	---	11.7	9.5	8.3	8.7
45–54 years . . . . .	---	---	---	---	32.8	27.7	23.9	23.9
55–64 years . . . . .	---	---	---	---	45.8	45.0	36.6	39.1
65–74 years . . . . .	---	---	---	---	64.8	58.0	49.1	54.9
75–84 years . . . . .	---	---	---	---	67.2	80.9	71.8	74.9
85 years and over . . . . .	---	---	---	---	102.8	115.6	127.9	105.8

See footnotes at end of table.

**Table 40 (page 2 of 2). Death rates for malignant neoplasm of breast for females, according to race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

<i>Race, Hispanic origin, and age</i>	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
White, not Hispanic or Latino <sup>6</sup>	Deaths per 100,000 resident population							
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	33.9	30.6	26.6	26.8
All ages, crude . . . . .	---	---	---	---	38.5	36.6	33.3	33.8
35–44 years . . . . .	---	---	---	---	17.5	14.4	11.1	11.6
45–54 years . . . . .	---	---	---	---	45.2	39.5	31.5	31.7
55–64 years . . . . .	---	---	---	---	80.6	69.5	58.9	59.2
65–74 years . . . . .	---	---	---	---	115.7	105.4	91.2	91.4
75–84 years . . . . .	---	---	---	---	151.4	143.2	131.5	132.2
85 years and over . . . . .	---	---	---	---	201.5	204.4	204.9	208.3

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

0.0Quantity 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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>In 1950 rate is for the age group 75 years and over.

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

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. See Appendix II, 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. 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1980–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>1</sup></i>	<i>2000</i>
Deaths per 100,000 resident population								
<b>All persons</b>								
All ages, age adjusted <sup>2</sup> . . . . .	28.3	37.2	40.1	41.1	41.8	43.8	45.4	44.2
All ages, crude . . . . .	24.7	34.9	38.6	40.0	40.8	42.8	44.5	43.4
Under 1 year . . . . .	1.6	1.4	1.1	1.3	1.0	1.0	0.9	0.9
1–4 years . . . . .	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.3
5–14 years . . . . .	0.2	0.3	0.4	0.3	0.4	0.4	0.3	0.3
15–24 years . . . . .	0.3	0.5	0.7	0.5	0.6	0.6	0.5	0.5
25–34 years . . . . .	0.5	0.7	0.9	0.9	0.8	0.8	0.8	0.7
35–44 years . . . . .	1.6	1.6	1.9	2.0	2.0	2.1	2.0	2.1
45–54 years . . . . .	9.8	9.1	8.7	8.3	8.0	8.4	8.5	8.6
55–64 years . . . . .	42.7	48.9	46.8	45.7	44.1	46.2	47.5	44.2
65–74 years . . . . .	129.1	152.5	159.6	163.6	167.4	175.4	177.2	169.4
75–84 years . . . . .	224.4	321.1	349.3	356.2	363.7	381.1	397.8	386.1
85 years and over . . . . .	274.0	433.3	520.1	556.8	572.2	599.6	646.0	648.6
<b>Male</b>								
All ages, age adjusted <sup>2</sup> . . . . .	49.9	55.5	54.8	54.6	54.4	57.0	58.7	55.8
All ages, crude . . . . .	35.1	40.8	41.4	41.9	42.2	44.2	45.6	43.5
Under 1 year . . . . .	1.9	1.6	1.4	1.7	1.2	1.3	*	1.2
1–4 years . . . . .	0.5	0.5	0.2	0.3	0.4	0.4	0.4	0.4
5–14 years . . . . .	0.2	0.4	0.5	0.3	0.4	0.4	0.4	0.4
15–24 years . . . . .	0.4	0.5	0.7	0.7	0.8	0.8	0.6	0.6
25–34 years . . . . .	0.6	0.7	0.9	0.9	0.9	0.9	0.8	0.8
35–44 years . . . . .	1.7	1.7	1.7	1.9	1.9	2.0	1.8	1.9
45–54 years . . . . .	12.1	9.4	8.8	8.6	8.0	8.4	8.6	9.0
55–64 years . . . . .	59.9	58.6	52.3	49.6	48.6	50.9	52.3	47.8
65–74 years . . . . .	210.0	204.0	195.6	199.1	199.1	208.6	210.7	195.2
75–84 years . . . . .	437.4	500.0	483.8	471.9	476.4	499.2	513.2	488.5
85 years and over . . . . .	583.4	815.1	889.8	912.0	900.6	943.6	996.7	967.9
<b>Female</b>								
All ages, age adjusted <sup>2</sup> . . . . .	14.9	26.6	31.8	33.4	34.4	36.0	37.7	37.4
All ages, crude . . . . .	15.0	29.2	36.0	38.1	39.5	41.4	43.4	43.2
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	0.3	0.3	0.2	0.3
15–24 years . . . . .	0.3	0.5	0.6	0.4	0.5	0.5	0.5	0.4
25–34 years . . . . .	0.5	0.7	0.9	0.8	0.8	0.8	0.9	0.7
35–44 years . . . . .	1.5	1.5	2.2	2.1	2.0	2.1	2.1	2.2
45–54 years . . . . .	7.7	8.8	8.7	8.0	8.1	8.5	8.4	8.3
55–64 years . . . . .	27.6	40.3	41.9	42.2	40.1	42.0	43.1	41.0
65–74 years . . . . .	67.1	112.3	130.8	134.8	141.7	148.5	149.8	148.2
75–84 years . . . . .	98.7	214.2	265.3	282.3	291.1	305.0	322.9	319.2
85 years and over . . . . .	138.7	286.0	377.7	417.5	441.7	462.8	504.6	518.5
<b>White male<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	51.6	56.6	55.9	55.8	55.7	58.4	60.0	57.2
All ages, crude . . . . .	37.9	44.3	45.5	46.3	46.7	48.9	50.6	48.3
35–44 years . . . . .	1.2	1.3	1.4	1.5	1.5	1.6	1.5	1.6
45–54 years . . . . .	11.4	8.6	8.1	8.1	7.4	7.8	8.1	8.4
55–64 years . . . . .	60.0	58.7	52.7	50.3	49.2	51.6	53.1	48.6
65–74 years . . . . .	218.4	208.1	200.0	204.7	205.7	215.5	217.3	201.4
75–84 years . . . . .	459.8	513.5	497.9	483.4	489.8	513.2	525.4	503.6
85 years and over . . . . .	611.2	847.0	918.3	943.1	930.5	975.0	1,029.4	997.4
<b>Black or African American male<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	34.0	47.6	47.4	46.7	46.4	48.6	51.5	47.5
All ages, crude . . . . .	19.3	25.2	24.4	23.9	23.9	25.0	26.2	24.3
35–44 years . . . . .	5.8	5.3	4.3	4.8	4.9	5.1	4.7	4.8
45–54 years . . . . .	19.7	18.8	16.9	14.3	14.5	15.2	15.3	15.0
55–64 years . . . . .	66.6	67.4	60.5	54.7	54.4	57.0	59.3	54.6
65–74 years . . . . .	142.0	184.5	178.7	175.9	170.1	178.2	184.6	176.9
75–84 years . . . . .	229.8	390.9	370.0	381.1	381.8	400.1	434.4	370.3
85 years and over . . . . .	271.6	498.0	624.1	617.5	613.5	642.8	701.9	693.1

See footnotes at end of table.



**Table 41 (page 2 of 3). Death rates for chronic lower respiratory diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1980–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	<i>1980</i>	<i>1990</i>	<i>1995</i>	<i>1997</i>	<i>1998</i>	<i>Comparability modified 1998<sup>1</sup></i>	<i>1999<sup>1</sup></i>	<i>2000</i>
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native male<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	23.0	38.3	35.6	46.8	45.7	47.9	41.8	43.7
All ages, crude . . . . .	8.4	13.8	12.3	15.8	15.3	16.0	14.0	15.3
35–44 years . . . . .	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*	*
55–64 years . . . . .	*	*	36.5	48.1	41.4	43.4	34.2	46.4
65–74 years . . . . .	*	135.7	132.1	127.9	140.0	146.7	165.0	111.3
75–84 years . . . . .	*	363.8	307.3	430.8	413.5	433.3	393.0	416.6
85 years and over . . . . .	*	*	*	806.7	789.3	827.0	576.7	770.7
<b>Asian or Pacific Islander male<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	21.5	29.8	28.9	28.8	26.0	27.2	29.6	28.3
All ages, crude . . . . .	8.7	11.3	11.8	12.4	11.4	11.9	13.1	12.6
35–44 years . . . . .	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*	4.8
55–64 years . . . . .	*	22.1	15.7	15.9	16.3	17.1	14.3	8.8
65–74 years . . . . .	70.6	91.4	87.9	81.4	71.0	74.4	81.9	71.3
75–84 years . . . . .	155.7	258.6	240.6	263.9	213.1	223.3	270.6	254.3
85 years and over . . . . .	472.4	615.2	650.4	604.9	617.1	646.6	652.3	670.7
<b>Hispanic or Latino male<sup>3,4</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	---	28.6	31.8	31.5	31.1	32.6	33.0	28.8
All ages, crude . . . . .	---	8.4	8.9	8.6	8.5	8.9	8.9	8.0
35–44 years . . . . .	---	*	1.1	1.5	1.2	1.3	1.4	0.9
45–54 years . . . . .	---	4.1	3.9	3.5	3.7	3.9	3.6	3.4
55–64 years . . . . .	---	17.2	19.1	18.0	17.9	18.8	17.6	18.2
65–74 years . . . . .	---	81.0	82.4	81.4	77.7	81.4	81.9	72.4
75–84 years . . . . .	---	252.4	292.0	248.9	272.2	285.2	272.7	250.3
85 years and over . . . . .	---	613.9	689.0	810.9	725.9	760.6	836.8	671.1
<b>White, not Hispanic or Latino male<sup>4</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	---	57.9	56.6	56.8	56.8	59.5	61.3	58.5
All ages, crude . . . . .	---	48.5	50.2	51.8	52.6	55.1	57.3	55.1
35–44 years . . . . .	---	1.4	1.4	1.5	1.5	1.6	1.5	1.7
45–54 years . . . . .	---	9.0	8.4	8.5	7.7	8.1	8.5	8.9
55–64 years . . . . .	---	61.3	54.6	52.6	51.4	53.9	55.6	50.8
65–74 years . . . . .	---	213.4	204.3	210.8	212.4	222.6	224.9	208.8
75–84 years . . . . .	---	523.7	501.7	491.0	497.4	521.2	534.9	513.6
85 years and over . . . . .	---	860.6	922.6	944.2	935.4	980.1	1,033.5	1,008.6
<b>White female<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	15.5	27.8	33.3	35.0	36.1	37.8	39.7	39.5
All ages, crude . . . . .	16.4	32.8	40.8	43.5	45.1	47.3	49.8	49.7
35–44 years . . . . .	1.3	1.2	1.7	1.7	1.6	1.7	1.8	1.8
45–54 years . . . . .	7.6	8.3	8.4	7.7	7.6	8.0	8.1	7.9
55–64 years . . . . .	28.7	41.9	44.0	44.3	42.3	44.3	45.6	43.2
65–74 years . . . . .	71.0	118.8	139.0	143.7	151.4	158.6	160.3	159.6
75–84 years . . . . .	104.0	226.3	279.5	299.0	308.3	323.0	341.5	339.1
85 years and over . . . . .	144.2	298.4	395.5	436.9	462.7	484.8	529.7	544.8
<b>Black or African American female<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	9.1	16.6	20.2	20.8	21.9	22.9	23.4	22.7
All ages, crude . . . . .	6.8	12.6	15.5	16.0	16.9	17.7	18.0	17.6
35–44 years . . . . .	3.4	3.8	5.4	5.0	5.2	5.4	4.6	4.7
45–54 years . . . . .	9.3	14.0	12.8	12.0	14.0	14.7	12.6	13.4
55–64 years . . . . .	20.8	33.4	34.7	35.9	34.0	35.6	34.9	35.3
65–74 years . . . . .	32.7	64.7	78.7	81.9	85.5	89.6	88.9	82.9
75–84 years . . . . .	41.1	96.0	132.7	131.6	143.4	150.3	166.4	158.4
85 years and over . . . . .	63.2	133.0	185.8	214.1	225.6	236.4	254.5	255.0

See footnotes at end of table.

**Table 41 (page 3 of 3). Death rates for chronic lower respiratory diseases, according to sex, race, Hispanic origin, and age: United States, selected years 1980–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1980	1990	1995	1997	1998	Comparability modified		
						1998 <sup>1</sup>	1999 <sup>1</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	7.7	16.8	22.8	21.2	24.0	25.1	30.4	26.2
All ages, crude . . . . .	3.8	8.7	11.5	10.8	11.8	12.4	14.7	13.4
35–44 years . . . . .	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	*	*	*	*	*	*
55–64 years . . . . .	*	*	38.8	32.8	28.6	30.0	39.6	31.6
65–74 years . . . . .	*	56.4	79.5	88.2	118.6	124.3	109.1	136.8
75–84 years . . . . .	*	116.7	191.3	156.4	192.9	202.1	301.1	175.8
85 years and over . . . . .	*	*	*	269.9	259.1	271.5	322.8	362.2
<b>Asian or Pacific Islander female<sup>3</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	5.8	11.0	12.1	12.7	11.3	11.8	12.1	11.7
All ages, crude . . . . .	2.6	5.2	6.3	6.9	6.2	6.5	7.0	6.8
35–44 years . . . . .	*	*	*	*	*	*	*	*
45–54 years . . . . .	*	*	3.6	*	*	*	*	*
55–64 years . . . . .	*	15.2	9.6	8.9	6.4	6.7	7.7	6.2
65–74 years . . . . .	*	26.5	29.2	31.5	28.0	29.3	39.9	29.2
75–84 years . . . . .	*	80.6	113.2	115.4	91.6	96.0	94.1	88.9
85 years and over . . . . .	*	232.5	227.8	261.0	273.0	286.0	268.0	299.5
<b>Hispanic or Latino female<sup>3,4</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	---	13.4	16.9	16.6	15.6	16.3	17.7	16.3
All ages, crude . . . . .	---	6.3	7.7	7.4	7.0	7.3	8.0	7.2
35–44 years . . . . .	---	*	1.4	1.1	1.8	1.9	1.8	1.3
45–54 years . . . . .	---	4.9	4.6	4.4	3.2	3.4	4.2	3.3
55–64 years . . . . .	---	14.4	12.9	12.0	12.0	12.6	12.0	10.8
65–74 years . . . . .	---	36.6	43.1	40.3	40.6	42.5	47.5	38.0
75–84 years . . . . .	---	101.1	125.0	130.6	131.1	137.4	142.9	136.0
85 years and over . . . . .	---	269.0	402.6	392.5	334.0	350.0	391.0	387.8
<b>White, not Hispanic or Latino female<sup>4</sup></b>								
All ages, age adjusted <sup>2</sup> . . . . .	---	28.5	34.0	35.9	37.1	38.9	40.8	40.7
All ages, crude . . . . .	---	35.7	44.7	48.2	50.4	52.8	55.9	56.2
35–44 years . . . . .	---	1.2	1.7	1.8	1.6	1.7	1.8	1.9
45–54 years . . . . .	---	8.5	8.5	8.0	7.9	8.3	8.5	8.3
55–64 years . . . . .	---	43.7	46.2	46.8	44.6	46.7	48.3	45.8
65–74 years . . . . .	---	122.8	143.0	149.3	157.9	165.4	167.4	167.6
75–84 years . . . . .	---	231.9	284.5	304.5	314.6	329.6	348.8	347.2
85 years and over . . . . .	---	302.1	393.7	436.4	465.3	487.5	532.8	548.7

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

--- Data not available.

<sup>1</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, Comparability ratio and tables V and VI.

<sup>2</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>Prior to 1997, excludes data from States lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, 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. 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1987–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1987	1990	1995	1997	1998	<i>Comparability modified 1998<sup>1</sup></i>	1999 <sup>1</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>2</sup>	5.6	10.2	16.2	6.0	4.9	5.6	5.3	5.2
All ages, crude	5.6	10.1	16.2	6.1	4.9	5.6	5.3	5.1
Under 1 year	2.3	2.7	1.5	*	*	*	*	*
1–4 years	0.7	0.8	1.3	0.3	0.2	0.2	0.2	*
5–14 years	0.1	0.2	0.5	0.3	0.1	0.1	0.2	0.1
15–24 years	1.3	1.5	1.7	0.7	0.5	0.6	0.5	0.5
25–34 years	11.7	19.7	28.3	9.7	7.1	8.1	6.8	6.1
35–44 years	14.0	27.4	44.2	16.0	12.8	14.7	13.8	13.1
45–54 years	8.0	15.2	26.0	10.3	8.9	10.2	10.7	11.0
55–64 years	3.5	6.2	10.9	4.8	4.3	4.9	4.8	5.1
65–74 years	1.3	2.0	3.6	1.8	1.6	1.8	2.2	2.2
75–84 years	0.8	0.7	0.7	0.6	0.5	0.6	0.6	0.7
85 years and over	*	*	*	*	*	*	*	*
Male								
All ages, age adjusted <sup>2</sup>	10.4	18.5	27.3	9.6	7.6	8.7	8.2	7.9
All ages, crude	10.2	18.5	27.6	9.7	7.6	8.7	8.2	7.9
Under 1 year	2.2	2.4	1.7	*	*	*	*	*
1–4 years	0.7	0.8	1.2	0.3	*	*	*	*
5–14 years	0.2	0.3	0.5	0.3	0.1	0.1	0.2	0.1
15–24 years	2.2	2.2	2.0	0.8	0.5	0.6	0.5	0.5
25–34 years	20.7	34.5	45.5	14.4	10.0	11.4	9.5	8.0
35–44 years	26.3	50.2	75.5	25.4	20.0	22.9	21.0	19.8
45–54 years	15.5	29.1	46.2	17.1	14.8	16.9	17.5	17.8
55–64 years	6.8	12.0	19.7	8.3	7.2	8.2	8.3	8.7
65–74 years	2.4	3.7	6.4	3.4	2.9	3.3	3.8	3.8
75–84 years	1.2	1.1	1.3	1.0	0.9	1.0	1.0	1.3
85 years and over	*	*	*	*	*	*	*	*
Female								
All ages, age adjusted <sup>2</sup>	1.1	2.2	5.3	2.6	2.2	2.5	2.5	2.5
All ages, crude	1.1	2.2	5.3	2.6	2.2	2.5	2.5	2.5
Under 1 year	2.5	3.0	1.2	*	*	*	*	*
1–4 years	0.7	0.8	1.5	0.4	*	*	*	*
5–14 years	*	0.2	0.5	0.2	0.2	0.2	0.2	0.1
15–24 years	0.3	0.7	1.4	0.7	0.5	0.6	0.5	0.4
25–34 years	2.8	4.9	10.9	4.9	4.2	4.8	4.1	4.2
35–44 years	2.1	5.2	13.3	6.7	5.7	6.5	6.7	6.5
45–54 years	0.8	1.9	6.6	3.7	3.1	3.5	4.1	4.4
55–64 years	0.5	1.1	2.8	1.6	1.6	1.8	1.6	1.8
65–74 years	0.5	0.8	1.4	0.5	0.6	0.7	0.8	0.8
75–84 years	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3
85 years and over	*	*	*	*	*	*	*	*
All ages, age adjusted <sup>2</sup>								
White male	8.7	15.7	20.4	5.9	4.5	5.2	4.9	4.6
Black or African American male	26.2	46.3	89.0	40.9	33.2	38.0	36.1	35.1
American Indian or Alaska Native male	*	3.3	10.5	3.3	3.5	4.0	4.2	3.5
Asian or Pacific Islander male	2.5	4.3	6.0	1.6	1.3	1.5	1.4	1.2
Hispanic or Latino male <sup>3</sup>	18.8	28.8	40.8	14.0	10.2	11.7	10.9	10.6
White, not Hispanic or Latino male <sup>3</sup>	10.7	14.1	17.9	4.8	3.7	4.2	4.0	3.8
White female	0.6	1.1	2.5	1.0	0.8	0.9	1.0	1.0
Black or African American female	4.6	10.1	24.4	13.7	12.0	13.7	13.1	13.2
American Indian or Alaska Native female	*	*	2.5	1.0	0.6	*	1.0	1.0
Asian or Pacific Islander female	*	*	0.6	0.2	0.3	*	0.2	0.2
Hispanic or Latino female <sup>3</sup>	2.1	3.8	8.8	3.3	2.8	3.2	3.0	2.9
White, not Hispanic or Latino female <sup>3</sup>	0.5	0.7	1.7	0.7	0.5	0.6	0.7	0.7

See footnotes at end of table.

**Table 42 (page 2 of 2). Death rates for human immunodeficiency virus (HIV) disease, according to sex, race, Hispanic origin, and age: United States, selected years 1987–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1987	1990	1995	1997	1998	Comparability modified 1998 <sup>1</sup>	1999 <sup>1</sup>	2000
Deaths per 100,000 resident population								
Age 25–44 years								
All persons . . . . .	12.7	23.2	36.3	12.9	10.1	11.6	10.5	9.8
White male . . . . .	19.2	35.0	46.1	12.9	9.6	11.0	9.7	8.8
Black or African American male . . . . .	60.2	102.0	179.4	75.2	58.1	66.5	59.3	55.4
American Indian or Alaska Native male . . . . .	*	7.7	28.5	9.5	7.5	8.6	9.1	5.5
Asian or Pacific Islander male . . . . .	4.1	8.1	12.1	3.3	2.4	2.7	2.4	1.9
Hispanic or Latino male <sup>3</sup> . . . . .	36.8	59.3	73.9	23.3	16.6	19.0	16.5	14.3
White, not Hispanic or Latino male <sup>3</sup> . . . . .	23.3	31.6	41.2	10.9	8.1	9.3	8.2	7.4
White female . . . . .	1.2	2.3	5.9	2.3	1.8	2.1	2.2	2.1
Black or African American female . . . . .	11.6	23.6	53.6	28.6	25.5	29.2	26.6	26.7
American Indian or Alaska Native female . . . . .	*	*	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	1.2	*	*	*	*	*
Hispanic or Latino female <sup>3</sup> . . . . .	4.9	8.9	17.2	6.2	4.6	5.3	5.3	4.6
White, not Hispanic or Latino female <sup>3</sup> . . . . .	1.0	1.5	4.2	1.7	1.3	1.5	1.6	1.6
Age 45–64 years								
All persons . . . . .	5.8	11.1	19.9	8.1	7.0	8.0	8.4	8.7
White male . . . . .	9.9	18.6	26.0	7.9	6.6	7.6	7.8	8.1
Black or African American male . . . . .	27.3	53.0	133.2	69.3	60.9	69.7	70.7	71.6
American Indian or Alaska Native male . . . . .	*	*	*	*	*	*	*	*
Asian or Pacific Islander male . . . . .	*	6.5	9.1	2.3	2.4	2.7	2.3	2.1
Hispanic or Latino male <sup>3</sup> . . . . .	25.8	37.9	67.1	25.1	18.3	20.9	21.2	23.3
White, not Hispanic or Latino male <sup>3</sup> . . . . .	12.6	16.9	22.4	6.3	5.4	6.2	6.4	6.5
White female . . . . .	0.5	0.9	2.4	1.1	0.9	1.0	1.2	1.3
Black or African American female . . . . .	2.6	7.5	27.0	17.5	15.4	17.6	18.6	19.6
American Indian or Alaska Native female . . . . .	*	*	*	*	*	*	*	*
Asian or Pacific Islander female . . . . .	*	*	*	*	*	*	*	*
Hispanic or Latino female <sup>3</sup> . . . . .	*	3.1	12.6	5.4	4.9	5.6	5.1	5.8
White, not Hispanic or Latino female <sup>3</sup> . . . . .	0.5	0.7	1.5	0.7	0.5	0.6	0.8	0.9

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

<sup>1</sup>Starting with 1999 data, cause of death is coded according to ICD-10. To estimate change of death between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>2</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment.

<sup>3</sup>Prior to 1997, excludes data from States lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. 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. Categories for the coding and classification of human immunodeficiency virus (HIV) disease were introduced in the United States in 1987. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. See Appendix II, tables IV and V. 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 1987–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/data/wh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>3</sup> . . . . .	24.6	23.1	27.6	22.3	18.5	16.3	15.2	15.4
All ages, crude . . . . .	23.1	21.3	26.9	23.5	18.8	16.3	15.2	15.4
Under 1 year . . . . .	8.4	8.1	9.8	7.0	4.9	4.7	4.8	4.4
1–14 years . . . . .	9.8	8.6	10.5	8.2	6.0	5.3	4.3	4.3
1–4 years . . . . .	11.5	10.0	11.5	9.2	6.3	5.2	4.2	4.2
5–14 years . . . . .	8.8	7.9	10.2	7.9	5.9	5.3	4.3	4.3
15–24 years . . . . .	34.4	38.0	47.2	44.8	34.1	28.9	26.2	26.9
15–19 years . . . . .	29.6	33.9	43.6	43.0	33.1	28.1	25.9	26.0
20–24 years . . . . .	38.8	42.9	51.3	46.6	35.0	29.7	26.5	28.0
25–34 years . . . . .	24.6	24.3	30.9	29.1	23.6	19.2	16.9	17.3
35–44 years . . . . .	20.3	19.3	24.9	20.9	16.9	15.3	14.9	15.3
45–64 years . . . . .	25.2	23.0	26.5	18.0	15.7	14.1	13.8	14.3
45–54 years . . . . .	22.2	21.4	25.5	18.6	15.6	13.8	13.6	14.2
55–64 years . . . . .	29.0	25.1	27.9	17.4	15.9	14.5	14.2	14.4
65 years and over . . . . .	43.1	34.7	36.2	22.5	23.1	22.6	22.4	21.4
65–74 years . . . . .	39.1	31.4	32.8	19.2	18.6	17.5	17.8	16.5
75–84 years . . . . .	52.7	41.8	43.5	28.1	29.1	28.4	26.5	25.7
85 years and over . . . . .	45.1	37.9	34.2	27.6	31.2	31.0	30.4	30.4
Male								
All ages, age adjusted <sup>3</sup> . . . . .	38.5	35.4	41.5	33.6	26.5	22.8	21.3	21.7
All ages, crude . . . . .	35.4	31.8	39.7	35.3	26.7	22.4	20.9	21.3
Under 1 year . . . . .	9.1	8.6	9.3	7.3	5.0	4.9	5.0	4.6
1–14 years . . . . .	12.3	10.7	13.0	10.0	7.0	6.1	5.0	4.9
1–4 years . . . . .	13.0	11.5	12.9	10.2	6.9	5.6	4.7	4.7
5–14 years . . . . .	11.9	10.4	13.1	9.9	7.0	6.3	5.1	5.0
15–24 years . . . . .	56.7	61.2	73.2	68.4	49.5	40.5	36.0	37.4
15–19 years . . . . .	46.3	51.7	64.1	62.6	45.5	36.1	33.1	33.9
20–24 years . . . . .	66.7	73.2	84.4	74.3	53.3	45.0	39.1	41.2
25–34 years . . . . .	40.8	40.1	49.4	46.3	35.7	28.1	24.7	25.5
35–44 years . . . . .	32.5	29.9	37.7	31.7	24.7	21.7	21.1	22.0
45–64 years . . . . .	37.7	33.3	38.9	26.5	21.9	19.5	19.3	20.2
45–54 years . . . . .	33.6	31.6	37.2	27.6	22.0	19.3	19.4	20.4
55–64 years . . . . .	43.1	35.6	40.9	25.4	21.7	19.6	19.3	19.8
65 years and over . . . . .	66.6	52.1	54.4	33.9	32.1	30.7	31.3	29.5
65–74 years . . . . .	59.1	45.8	47.3	27.3	24.2	22.2	23.3	21.7
75–84 years . . . . .	85.0	66.0	68.2	44.3	41.2	39.9	38.0	35.6
85 years and over . . . . .	78.1	62.7	63.1	56.1	64.5	61.5	59.8	57.5
Female								
All ages, age adjusted <sup>3</sup> . . . . .	11.5	11.7	14.9	11.8	11.0	10.3	9.6	9.5
All ages, crude . . . . .	10.9	11.0	14.7	12.3	11.3	10.4	9.7	9.7
Under 1 year . . . . .	7.6	7.5	10.4	6.7	4.9	4.5	4.7	4.2
1–14 years . . . . .	7.2	6.3	7.9	6.3	4.9	4.4	3.6	3.7
1–4 years . . . . .	10.0	8.4	10.0	8.1	5.6	4.8	3.8	3.8
5–14 years . . . . .	5.7	5.4	7.2	5.7	4.7	4.2	3.6	3.6
15–24 years . . . . .	12.6	15.1	21.6	20.8	17.9	16.8	15.9	15.9
15–19 years . . . . .	12.9	16.0	22.7	22.8	20.0	19.7	18.3	17.5
20–24 years . . . . .	12.2	14.0	20.4	18.9	16.0	13.8	13.4	14.2
25–34 years . . . . .	9.3	9.2	13.0	12.2	11.5	10.2	8.9	8.8
35–44 years . . . . .	8.5	9.1	12.9	10.4	9.2	9.0	8.8	8.8
45–64 years . . . . .	12.6	13.1	15.3	10.3	10.1	9.0	8.6	8.7
45–54 years . . . . .	10.9	11.6	14.5	10.2	9.6	8.4	8.0	8.2
55–64 years . . . . .	14.9	15.2	16.2	10.5	10.8	9.9	9.5	9.5
65 years and over . . . . .	21.9	20.3	23.1	15.0	17.2	17.0	16.1	15.8
65–74 years . . . . .	20.6	19.0	21.6	13.0	14.1	13.7	13.3	12.3
75–84 years . . . . .	25.2	23.0	27.2	18.5	21.9	21.2	19.1	19.2
85 years and over . . . . .	22.1	22.0	18.0	15.2	18.3	19.3	18.5	19.3
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	37.9	34.8	40.4	33.8	26.3	22.6	21.3	21.8
All ages, crude . . . . .	35.1	31.5	39.1	35.9	26.7	22.4	21.1	21.6
Under 1 year . . . . .	9.1	8.8	9.1	7.0	4.8	4.3	5.0	4.2
1–14 years . . . . .	12.4	10.6	12.5	9.8	6.6	5.9	4.8	4.8
15–24 years . . . . .	58.3	62.7	75.2	73.8	52.5	42.4	37.8	39.6
25–34 years . . . . .	39.1	38.6	47.0	46.6	35.4	27.9	24.6	25.1
35–44 years . . . . .	30.9	28.4	35.2	30.7	23.7	21.1	20.9	21.8
45–64 years . . . . .	36.2	31.7	36.5	25.2	20.6	18.7	18.8	19.7
65 years and over . . . . .	67.1	52.1	54.2	32.7	31.4	30.1	31.2	29.4

See footnotes at end of table.

**Table 44 (page 2 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Black or African American male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	34.8	39.6	51.0	34.2	29.9	26.1	24.3	24.4
All ages, crude . . . . .	37.2	33.1	44.3	31.1	28.1	24.1	22.2	22.5
Under 1 year . . . . .	---	*	10.6	7.8	*	8.7	*	6.7
1–14 years <sup>5</sup> . . . . .	10.4	11.2	16.3	11.4	8.9	7.5	6.3	5.5
15–24 years . . . . .	42.5	46.4	58.1	34.9	36.1	33.9	30.5	30.2
25–34 years . . . . .	54.4	51.0	70.4	44.9	39.5	32.2	29.7	32.6
35–44 years . . . . .	46.7	43.6	59.5	41.2	33.5	28.7	26.3	27.2
45–64 years . . . . .	54.6	47.8	61.7	39.5	33.3	26.2	26.5	27.1
65 years and over . . . . .	52.6	48.2	53.4	42.4	36.3	36.9	33.6	32.1
<b>American Indian or Alaska Native male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	78.9	48.3	40.7	37.5	35.8
All ages, crude . . . . .	---	---	---	74.6	47.6	40.1	34.1	33.6
1–14 years . . . . .	---	---	---	15.1	11.6	7.6	7.6	7.8
15–24 years . . . . .	---	---	---	126.1	75.2	69.0	58.0	56.8
25–34 years . . . . .	---	---	---	107.0	78.2	67.8	40.8	49.8
35–44 years . . . . .	---	---	---	82.8	57.0	45.2	38.6	36.3
45–64 years . . . . .	---	---	---	77.4	45.9	38.8	38.8	32.0
65 years and over . . . . .	---	---	---	97.0	43.0	*	57.3	48.5
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	19.0	17.9	14.5	9.8	10.6
All ages, crude . . . . .	---	---	---	17.1	15.8	12.6	8.9	9.8
1–14 years . . . . .	---	---	---	8.2	6.3	4.5	2.4	2.5
15–24 years . . . . .	---	---	---	27.2	25.7	18.5	14.8	17.0
25–34 years . . . . .	---	---	---	18.8	17.0	12.4	9.2	10.4
35–44 years . . . . .	---	---	---	13.1	12.2	9.9	7.4	6.9
45–64 years . . . . .	---	---	---	13.7	15.1	14.3	8.5	10.1
65 years and over . . . . .	---	---	---	37.3	33.6	32.1	20.8	21.1
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	29.5	24.4	20.4	21.3
All ages, crude . . . . .	---	---	---	---	29.2	22.4	19.1	20.1
1–14 years . . . . .	---	---	---	---	7.2	5.7	4.6	4.4
15–24 years . . . . .	---	---	---	---	48.2	37.1	31.6	34.7
25–34 years . . . . .	---	---	---	---	41.0	28.8	24.4	24.9
35–44 years . . . . .	---	---	---	---	28.0	23.2	20.8	21.6
45–64 years . . . . .	---	---	---	---	28.9	23.0	19.7	21.7
65 years and over . . . . .	---	---	---	---	35.3	37.0	30.6	28.9
<b>White, not Hispanic or Latino male<sup>6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	25.7	22.1	21.3	21.7
All ages, crude . . . . .	---	---	---	---	26.0	21.9	21.1	21.5
1–14 years . . . . .	---	---	---	---	6.4	5.8	4.7	4.9
15–24 years . . . . .	---	---	---	---	52.3	42.7	38.8	40.3
25–34 years . . . . .	---	---	---	---	34.0	27.1	24.2	24.7
35–44 years . . . . .	---	---	---	---	23.1	20.3	20.6	21.6
45–64 years . . . . .	---	---	---	---	19.8	18.1	18.5	19.3
65 years and over . . . . .	---	---	---	---	31.1	29.4	31.1	29.3
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	11.4	11.7	14.9	12.2	11.2	10.4	9.7	9.8
All ages, crude . . . . .	10.9	11.2	14.8	12.8	11.6	10.7	10.0	10.0
Under 1 year . . . . .	7.8	7.5	10.2	7.1	4.7	4.5	3.9	3.5
1–14 years . . . . .	7.2	6.2	7.5	6.2	4.8	4.3	3.5	3.7
15–24 years . . . . .	12.6	15.6	22.7	23.0	19.5	18.1	17.1	17.1
25–34 years . . . . .	9.0	9.0	12.7	12.2	11.6	10.2	9.1	8.9
35–44 years . . . . .	8.1	8.9	12.3	10.6	9.2	8.9	8.8	8.9
45–64 years . . . . .	12.7	13.1	15.1	10.4	9.9	8.9	8.5	8.7
65 years and over . . . . .	22.2	20.8	23.7	15.3	17.4	17.5	16.4	16.2

See footnotes at end of table.



**Table 44 (page 3 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	9.3	10.4	14.1	8.5	9.6	9.0	9.0	8.4
All ages, crude . . . . .	10.2	9.7	13.4	8.3	9.4	8.8	8.7	8.2
Under 1 year . . . . .	--	8.1	11.9	*	7.0	*	8.7	*
1–14 years <sup>5</sup> . . . . .	7.2	6.9	10.2	6.3	5.3	4.9	4.4	3.9
15–24 years . . . . .	11.6	9.9	13.4	8.0	9.9	10.5	11.8	11.7
25–34 years . . . . .	10.8	9.8	13.3	10.6	11.1	10.3	8.6	9.4
35–44 years . . . . .	11.1	11.0	16.1	8.3	9.4	9.7	9.6	8.2
45–64 years . . . . .	11.8	12.7	16.7	9.2	10.7	9.3	8.9	9.0
65 years and over . . . . .	14.3	13.2	15.7	9.5	13.5	11.4	12.8	10.4
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	32.0	17.5	18.2	18.9	19.5
All ages, crude . . . . .	---	---	---	32.0	17.3	18.8	17.5	18.6
1–14 years . . . . .	---	---	---	15.0	8.1	8.1	*	6.5
15–24 years . . . . .	---	---	---	42.3	31.4	30.4	25.2	30.3
25–34 years . . . . .	---	---	---	52.5	18.8	33.7	28.2	22.3
35–44 years . . . . .	---	---	---	38.1	18.2	17.2	21.7	22.0
45–64 years . . . . .	---	---	---	32.6	17.6	15.7	14.8	17.8
65 years and over . . . . .	---	---	---	*	*	*	30.9	24.0
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	9.3	10.4	8.6	7.0	6.7
All ages, crude . . . . .	---	---	---	8.2	9.0	7.7	6.3	5.9
1–14 years . . . . .	---	---	---	7.4	3.6	3.2	2.0	2.3
15–24 years . . . . .	---	---	---	7.4	11.4	11.5	7.8	6.0
25–34 years . . . . .	---	---	---	7.3	7.3	4.8	4.3	4.5
35–44 years . . . . .	---	---	---	8.6	7.5	5.9	4.5	4.9
45–64 years . . . . .	---	---	---	8.5	11.8	10.4	9.5	6.4
65 years and over . . . . .	---	---	---	18.6	24.3	18.9	14.8	18.5
<b>Hispanic or Latino female<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	9.6	8.8	8.0	7.9
All ages, crude . . . . .	---	---	---	---	8.9	8.0	7.2	7.2
1–14 years . . . . .	---	---	---	---	4.8	4.3	3.5	3.9
15–24 years . . . . .	---	---	---	---	11.6	11.8	10.6	10.6
25–34 years . . . . .	---	---	---	---	9.4	7.2	7.1	6.5
35–44 years . . . . .	---	---	---	---	8.0	7.9	6.5	7.3
45–64 years . . . . .	---	---	---	---	11.4	9.3	8.6	8.3
65 years and over . . . . .	---	---	---	---	14.9	14.6	14.3	13.4

See footnotes at end of table.

**Table 44 (page 4 of 4). Death rates for motor vehicle-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
White, not Hispanic or Latino female <sup>6</sup>	Deaths per 100,000 resident population							
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	11.3	10.5	9.9	10.0
All ages, crude . . . . .	---	---	---	---	11.7	10.9	10.3	10.3
1–14 years . . . . .	---	---	---	---	4.7	4.2	3.5	3.5
15–24 years . . . . .	---	---	---	---	20.4	19.0	18.3	18.4
25–34 years . . . . .	---	---	---	---	11.7	10.5	9.4	9.3
35–44 years . . . . .	---	---	---	---	9.3	8.9	9.0	9.0
45–64 years . . . . .	---	---	---	---	9.7	8.6	8.4	8.7
65 years and over . . . . .	---	---	---	---	17.5	17.5	16.5	16.3

--- Data not available.

<sup>1</sup>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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>In 1950 rate is for the age group under 15 years.

<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: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. See Appendix II, 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. For additional injury-related statistics, see [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars), a Web-based interactive database for injury data. 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: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted . . . . .	5.1	5.0	8.8	10.4	9.4	8.3	6.0	5.9
All ages, crude. . . . .	5.0	4.6	8.1	10.6	9.9	8.5	6.1	6.0
Under 1 year . . . . .	4.4	4.8	4.3	5.9	8.4	8.2	8.7	9.2
1–14 years . . . . .	0.6	0.6	1.1	1.5	1.8	1.9	1.4	1.3
1–4 years . . . . .	0.6	0.7	1.9	2.5	2.5	2.9	2.5	2.3
5–14 years . . . . .	0.5	0.5	0.9	1.2	1.5	1.5	1.1	0.9
15–24 years . . . . .	5.8	5.6	11.3	15.4	19.7	19.6	12.9	12.6
15–19 years . . . . .	3.9	3.9	7.7	10.5	16.9	17.8	10.4	9.5
20–24 years . . . . .	8.5	7.7	15.6	20.2	22.2	21.5	15.6	16.0
25–44 years . . . . .	8.9	8.5	14.9	17.5	14.7	11.9	8.7	8.7
25–34 years . . . . .	9.3	9.2	16.2	19.3	17.4	14.4	10.5	10.4
35–44 years . . . . .	8.4	7.8	13.5	14.9	11.6	9.4	7.1	7.1
45–64 years . . . . .	5.0	5.3	8.7	9.0	6.3	5.4	4.0	4.0
45–54 years . . . . .	5.9	6.1	10.0	11.0	7.5	6.0	4.6	4.7
55–64 years . . . . .	3.9	4.1	7.1	7.0	5.0	4.4	3.0	3.0
65 years and over . . . . .	3.0	2.7	4.6	5.5	4.0	3.1	2.5	2.4
65–74 years . . . . .	3.2	2.8	4.9	5.7	3.8	3.2	2.6	2.4
75–84 years . . . . .	2.5	2.3	4.0	5.2	4.3	3.0	2.5	2.4
85 years and over . . . . .	2.3	2.4	4.2	5.3	4.6	3.2	2.4	2.4
Male								
All ages, age adjusted <sup>3</sup> . . . . .	7.9	7.5	14.3	16.6	14.8	12.8	9.1	9.0
All ages, crude. . . . .	7.7	6.8	13.1	17.1	15.9	13.4	9.3	9.3
Under 1 year . . . . .	4.5	4.7	4.5	6.3	8.8	9.0	9.6	10.4
1–14 years . . . . .	0.6	0.6	1.2	1.6	2.0	2.2	1.5	1.5
1–4 years . . . . .	0.5	0.7	1.9	2.7	2.7	3.1	2.5	2.5
5–14 years . . . . .	0.6	0.5	1.0	1.2	1.7	1.9	1.2	1.1
15–24 years . . . . .	8.6	8.4	18.2	24.0	32.5	32.8	21.1	20.9
15–19 years . . . . .	5.5	5.7	12.1	15.9	27.8	29.1	16.9	15.5
20–24 years . . . . .	13.5	11.8	25.6	32.2	36.9	36.5	25.7	26.7
25–44 years . . . . .	13.8	12.8	24.4	28.9	23.5	18.2	13.3	13.3
25–34 years . . . . .	14.4	13.9	26.8	31.9	27.7	22.5	16.5	16.7
35–44 years . . . . .	13.2	11.7	21.7	24.5	18.6	14.0	10.3	10.3
45–64 years . . . . .	8.1	8.1	14.8	15.2	10.2	8.3	6.0	6.0
45–54 years . . . . .	9.5	9.4	16.8	18.4	11.9	9.2	6.8	6.9
55–64 years . . . . .	6.3	6.4	12.1	11.8	8.0	7.0	4.7	4.6
65 years and over . . . . .	4.8	4.3	7.7	8.8	5.8	4.2	3.5	3.3
65–74 years . . . . .	5.2	4.6	8.5	9.2	5.8	4.5	3.7	3.4
75–84 years . . . . .	3.9	3.7	5.9	8.1	5.7	3.7	3.4	3.2
85 years and over . . . . .	2.5	3.6	7.4	7.5	6.7	4.1	3.4	3.3
Female								
All ages, age adjusted <sup>3</sup> . . . . .	2.4	2.6	3.7	4.4	4.0	3.7	2.9	2.8
All ages, crude. . . . .	2.4	2.4	3.4	4.5	4.2	3.8	2.9	2.8
Under 1 year . . . . .	4.2	4.9	4.1	5.6	8.0	7.4	7.8	7.9
1–14 years . . . . .	0.6	0.5	1.0	1.4	1.6	1.5	1.3	1.1
1–4 years . . . . .	0.7	0.7	1.9	2.2	2.3	2.6	2.4	2.1
5–14 years . . . . .	0.5	0.4	0.7	1.1	1.2	1.0	0.9	0.7
15–24 years . . . . .	3.0	2.8	4.6	6.6	6.2	5.9	4.3	3.9
15–19 years . . . . .	2.4	1.9	3.2	4.9	5.4	5.8	3.5	3.1
20–24 years . . . . .	3.7	3.8	6.2	8.2	7.0	6.0	5.1	4.7
25–44 years . . . . .	4.2	4.3	5.8	6.4	6.0	5.6	4.2	4.0
25–34 years . . . . .	4.5	4.6	6.0	6.9	7.1	6.3	4.4	4.1
35–44 years . . . . .	3.8	4.0	5.7	5.7	4.8	4.9	4.0	4.0
45–64 years . . . . .	1.9	2.5	3.1	3.4	2.8	2.6	2.0	2.1
45–54 years . . . . .	2.3	2.9	3.7	4.1	3.2	2.9	2.4	2.5
55–64 years . . . . .	1.4	2.0	2.5	2.8	2.3	2.1	1.5	1.6
65 years and over . . . . .	1.4	1.3	2.3	3.3	2.8	2.4	1.8	1.8
65–74 years . . . . .	1.3	1.3	2.2	3.0	2.2	2.1	1.7	1.6
75–84 years . . . . .	1.4	1.3	2.7	3.5	3.4	2.6	1.9	2.0
85 years and over . . . . .	2.1	1.6	2.5	4.3	3.8	2.9	2.0	2.0
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	3.8	3.9	7.2	10.4	8.3	7.3	5.4	5.2
All ages, crude. . . . .	3.6	3.6	6.6	10.7	8.8	7.5	5.5	5.2
Under 1 year . . . . .	4.3	3.8	2.9	4.3	6.4	7.1	7.9	8.2
1–14 years . . . . .	0.4	0.5	0.7	1.2	1.3	1.5	1.1	1.2
15–24 years . . . . .	3.2	5.0	7.6	15.1	15.2	15.9	10.3	9.9
25–44 years . . . . .	5.4	5.5	11.6	17.2	13.0	10.4	7.7	7.4
25–34 years . . . . .	4.9	5.7	12.5	18.5	14.7	12.1	8.8	8.4
35–44 years . . . . .	6.1	5.2	10.8	15.2	11.1	8.7	6.7	6.5
45–64 years . . . . .	4.8	4.6	8.3	9.8	6.9	5.5	4.3	4.1
65 years and over . . . . .	3.8	3.1	5.4	6.7	4.1	2.9	2.8	2.5

See footnotes at end of table.

**Table 45 (page 2 of 3). Death rates for homicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Black or African American male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	47.0	42.3	78.2	69.4	63.1	51.1	34.2	35.4
All ages, crude . . . . .	44.7	35.0	66.0	65.7	68.5	54.5	36.1	37.2
Under 1 year . . . . .	---	10.3	14.3	18.6	21.4	20.3	19.5	23.3
1–14 years <sup>5</sup> . . . . .	1.8	1.5	4.4	4.1	5.8	5.8	3.5	3.1
15–24 years . . . . .	53.8	43.2	98.3	82.6	137.1	129.4	84.7	85.3
25–44 years . . . . .	92.8	80.5	140.2	130.0	105.4	75.8	53.0	55.8
25–34 years . . . . .	104.3	86.4	154.5	142.9	123.7	95.1	69.2	73.9
35–44 years . . . . .	80.0	74.4	124.0	109.3	81.2	54.9	37.2	38.5
45–64 years . . . . .	46.0	44.6	82.3	70.6	41.4	33.4	20.4	21.9
65 years and over . . . . .	16.5	17.3	33.3	30.9	25.7	20.3	11.9	12.8
<b>American Indian or Alaska Native male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	23.3	16.7	14.4	13.5	10.7
All ages, crude . . . . .	---	---	---	23.1	16.6	15.7	12.7	10.7
15–24 years . . . . .	---	---	---	35.4	25.1	28.0	17.5	17.0
25–44 years . . . . .	---	---	---	39.2	25.7	24.6	18.3	17.0
45–64 years . . . . .	---	---	---	22.1	14.8	12.0	14.1	*
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	9.1	7.3	7.2	3.9	4.3
All ages, crude . . . . .	---	---	---	8.3	7.9	7.5	4.2	4.4
15–24 years . . . . .	---	---	---	9.3	14.9	17.2	7.8	7.8
25–44 years . . . . .	---	---	---	11.3	9.6	7.4	4.7	4.6
45–64 years . . . . .	---	---	---	10.4	7.0	7.7	4.3	6.1
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	27.4	20.4	12.2	11.8
All ages, crude . . . . .	---	---	---	---	31.0	23.5	13.8	13.4
Under 1 year . . . . .	---	---	---	---	8.7	5.9	6.7	6.6
1–14 years . . . . .	---	---	---	---	3.1	3.2	1.8	1.7
15–24 years . . . . .	---	---	---	---	55.4	54.7	29.1	28.5
25–44 years . . . . .	---	---	---	---	46.4	28.8	17.7	17.2
25–34 years . . . . .	---	---	---	---	50.9	33.0	20.6	19.9
35–44 years . . . . .	---	---	---	---	39.3	22.8	13.9	13.5
45–64 years . . . . .	---	---	---	---	20.5	14.7	9.2	9.1
65 years and over . . . . .	---	---	---	---	9.4	5.8	5.2	4.4
<b>White, not Hispanic or Latino male<sup>6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	5.6	4.8	3.8	3.6
All ages, crude . . . . .	---	---	---	---	5.8	4.9	3.9	3.6
Under 1 year . . . . .	---	---	---	---	5.4	6.8	8.0	8.3
1–14 years . . . . .	---	---	---	---	0.9	1.1	1.0	1.0
15–24 years . . . . .	---	---	---	---	7.5	7.2	5.1	4.7
25–44 years . . . . .	---	---	---	---	8.7	7.2	5.6	5.2
25–34 years . . . . .	---	---	---	---	9.3	7.7	5.7	5.2
35–44 years . . . . .	---	---	---	---	8.0	6.7	5.4	5.2
45–64 years . . . . .	---	---	---	---	5.7	4.6	3.8	3.6
65 years and over . . . . .	---	---	---	---	3.7	2.6	2.7	2.3
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	1.4	1.5	2.3	3.2	2.7	2.7	2.1	2.1
All ages, crude . . . . .	1.4	1.4	2.1	3.2	2.8	2.7	2.1	2.1
Under 1 year . . . . .	3.9	3.5	2.9	4.3	5.1	5.1	5.4	5.0
1–14 years . . . . .	0.4	0.4	0.7	1.1	1.0	1.1	1.0	0.8
15–24 years . . . . .	1.3	1.5	2.7	4.7	4.0	4.0	3.0	2.7
25–44 years . . . . .	2.0	2.1	3.3	4.2	3.8	3.7	2.9	2.9
25–34 years . . . . .	1.5	1.7	2.1	2.6	2.3	2.2	1.6	1.8
35–44 years . . . . .	1.2	1.2	1.9	2.9	2.2	2.0	1.6	1.6
45–64 years . . . . .	1.5	1.7	2.1	2.6	2.3	2.2	1.6	1.8
65 years and over . . . . .	1.2	1.2	1.9	2.9	2.2	2.0	1.6	1.6
<b>Black or African American female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	11.1	11.4	14.7	13.2	12.5	10.4	7.3	7.1
All ages, crude . . . . .	11.5	10.4	13.2	13.5	13.4	10.9	7.6	7.2
Under 1 year . . . . .	---	13.8	10.7	12.8	22.8	20.1	19.5	22.2
1–14 years <sup>5</sup> . . . . .	1.8	1.2	3.1	3.3	4.7	3.4	2.9	2.7
15–24 years . . . . .	16.5	11.9	17.7	18.4	18.9	16.4	11.2	10.7
25–44 years . . . . .	22.5	22.7	25.3	22.6	21.0	17.1	11.6	11.0
25–34 years . . . . .	6.8	10.3	13.4	10.8	6.5	5.9	4.7	4.5
35–44 years . . . . .	3.6	3.0	7.4	8.0	9.4	6.8	3.4	3.5

See footnotes at end of table.

**Table 45 (page 3 of 3). Death rates for homicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
American Indian or Alaska Native female <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	8.1	4.6	5.3	5.1	3.0
All ages, crude . . . . .	---	---	---	7.7	4.8	5.1	5.2	2.9
15–24 years . . . . .	---	---	---	*	*	*	*	*
25–44 years . . . . .	---	---	---	13.7	6.9	8.3	8.4	5.9
45–64 years . . . . .	---	---	---	*	*	*	*	*
Asian or Pacific Islander female <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	3.1	2.8	2.4	2.2	1.7
All ages, crude . . . . .	---	---	---	3.1	2.8	2.6	2.2	1.7
15–24 years . . . . .	---	---	---	*	*	3.4	2.5	*
25–44 years . . . . .	---	---	---	4.6	3.8	3.6	2.6	2.2
45–64 years . . . . .	---	---	---	*	*	2.2	2.1	2.0
Hispanic or Latino female <sup>4,6</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	4.3	4.0	2.6	2.8
All ages, crude . . . . .	---	---	---	---	4.7	4.2	2.8	2.8
Under 1 year . . . . .	---	---	---	---	*	*	7.3	7.4
1–14 years . . . . .	---	---	---	---	1.9	1.8	1.2	1.0
15–24 years . . . . .	---	---	---	---	8.1	6.4	4.4	3.7
25–44 years . . . . .	---	---	---	---	6.1	5.6	3.4	3.7
45–64 years . . . . .	---	---	---	---	3.3	3.4	2.5	2.9
65 years and over . . . . .	---	---	---	---	*	2.4	*	2.4
White, not Hispanic or Latino female <sup>6</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	2.5	2.3	2.0	1.9
All ages, crude . . . . .	---	---	---	---	2.5	2.3	2.0	1.9
Under 1 year . . . . .	---	---	---	---	4.4	4.4	4.4	4.1
1–14 years . . . . .	---	---	---	---	0.8	0.9	0.9	0.8
15–24 years . . . . .	---	---	---	---	3.3	3.4	2.6	2.3
25–44 years . . . . .	---	---	---	---	3.5	3.3	2.8	2.7
45–64 years . . . . .	---	---	---	---	2.2	1.9	1.5	1.6
65 years and over . . . . .	---	---	---	---	2.2	1.9	1.7	1.6

--- 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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>In 1950 rate is for the age group under 15 years.

<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: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, 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. For additional injury-related statistics, see [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars), a Web-based interactive database for injury data. 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: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
All persons								
Deaths per 100,000 resident population								
All ages, age adjusted <sup>3</sup> . . . . .	13.2	12.5	13.1	12.2	12.5	11.8	10.5	10.4
All ages, crude . . . . .	11.4	10.6	11.6	11.9	12.4	11.7	10.5	10.4
Under 1 year. . . . .	...	...	...	...	...	...	...	...
1–4 years. . . . .	...	...	...	...	...	...	...	...
5–14 years . . . . .	0.2	0.3	0.3	0.4	0.8	0.9	0.6	0.7
15–24 years . . . . .	4.5	5.2	8.8	12.3	13.2	13.0	10.1	10.2
15–19 years. . . . .	2.7	3.6	5.9	8.5	11.1	10.3	8.0	8.0
20–24 years. . . . .	6.2	7.1	12.2	16.1	15.1	15.8	12.3	12.5
25–44 years . . . . .	11.6	12.2	15.4	15.6	15.2	15.1	13.6	13.4
25–34 years. . . . .	9.1	10.0	14.1	16.0	15.2	15.0	12.7	12.0
35–44 years. . . . .	14.3	14.2	16.9	15.4	15.3	15.1	14.3	14.5
45–64 years . . . . .	23.5	22.0	20.6	15.9	15.3	13.9	13.2	13.5
45–54 years. . . . .	20.9	20.7	20.0	15.9	14.8	14.4	13.9	14.4
55–64 years. . . . .	26.8	23.7	21.4	15.9	16.0	13.2	12.2	12.1
65 years and over . . . . .	30.0	24.5	20.8	17.6	20.5	17.9	15.8	15.2
65–74 years. . . . .	29.6	23.0	20.8	16.9	17.9	15.7	13.4	12.5
75–84 years. . . . .	31.1	27.9	21.2	19.1	24.9	20.6	18.1	17.6
85 years and over . . . . .	28.8	26.0	19.0	19.2	22.2	21.3	19.3	19.6
Male								
All ages, age adjusted <sup>3</sup> . . . . .	21.2	20.0	19.8	19.9	21.5	20.3	17.8	17.7
All ages, crude . . . . .	17.8	16.5	16.8	18.6	20.4	19.5	17.1	17.1
Under 1 year. . . . .	...	...	...	...	...	...	...	...
1–4 years. . . . .	...	...	...	...	...	...	...	...
5–14 years . . . . .	0.3	0.4	0.5	0.6	1.1	1.3	0.9	1.2
15–24 years . . . . .	6.5	8.2	13.5	20.2	22.0	22.0	16.8	17.1
15–19 years. . . . .	3.5	5.6	8.8	13.8	18.1	17.1	13.0	13.0
20–24 years. . . . .	9.3	11.5	19.3	26.8	25.7	27.0	20.8	21.4
25–44 years . . . . .	17.2	17.9	20.9	24.0	24.4	24.4	21.6	21.3
25–34 years. . . . .	13.4	14.7	19.8	25.0	24.8	24.8	20.7	19.6
35–44 years. . . . .	21.3	21.0	22.1	22.5	23.9	24.0	22.4	22.8
45–64 years . . . . .	37.1	34.4	30.0	23.7	24.3	22.2	20.8	21.3
45–54 years. . . . .	32.0	31.6	27.9	22.9	23.2	22.5	21.5	22.4
55–64 years. . . . .	43.6	38.1	32.7	24.5	25.7	21.8	19.8	19.4
65 years and over . . . . .	52.8	44.0	38.4	35.0	41.6	36.2	32.2	31.1
65–74 years. . . . .	50.5	39.6	36.0	30.4	32.2	28.5	24.7	22.7
75–84 years. . . . .	58.3	52.5	42.8	42.3	56.1	44.9	38.8	38.6
85 years and over . . . . .	58.3	57.4	42.4	50.6	65.9	62.7	57.1	57.5
Female								
All ages, age adjusted <sup>3</sup> . . . . .	5.6	5.6	7.4	5.7	4.8	4.3	4.0	4.0
All ages, crude . . . . .	5.1	4.9	6.6	5.5	4.8	4.3	4.0	4.0
Under 1 year. . . . .	...	...	...	...	...	...	...	...
1–4 years. . . . .	...	...	...	...	...	...	...	...
5–14 years . . . . .	0.1	0.1	0.2	0.2	0.4	0.4	0.3	0.3
15–24 years . . . . .	2.6	2.2	4.2	4.3	3.9	3.6	3.0	3.0
15–19 years. . . . .	1.8	1.6	2.9	3.0	3.7	3.1	2.7	2.7
20–24 years. . . . .	3.3	2.9	5.7	5.5	4.1	4.2	3.4	3.2
25–44 years . . . . .	6.2	6.6	10.2	7.7	6.2	5.8	5.5	5.4
25–34 years. . . . .	4.9	5.5	8.6	7.1	5.6	5.1	4.6	4.3
35–44 years. . . . .	7.5	7.7	11.9	8.5	6.8	6.4	6.4	6.4
45–64 years . . . . .	9.9	10.2	12.0	8.9	7.1	6.1	6.0	6.2
45–54 years. . . . .	9.9	10.2	12.6	9.4	6.9	6.6	6.6	6.7
55–64 years. . . . .	9.9	10.2	11.4	8.4	7.3	5.3	5.2	5.4
65 years and over . . . . .	9.4	8.4	8.1	6.1	6.4	5.4	4.3	4.0
65–74 years. . . . .	10.1	8.4	9.0	6.5	6.7	5.4	4.1	4.0
75–84 years. . . . .	8.1	8.9	7.0	5.5	6.3	5.4	4.7	4.0
85 years and over . . . . .	8.2	6.0	5.9	5.5	5.4	5.4	4.1	4.2
White male <sup>4</sup>								
All ages, age adjusted <sup>3</sup> . . . . .	22.3	21.1	20.8	20.9	22.8	21.6	19.0	19.1
All ages, crude . . . . .	19.0	17.6	18.0	19.9	22.0	21.1	18.7	18.8
15–24 years . . . . .	6.6	8.6	13.9	21.4	23.2	23.1	17.5	17.9
25–44 years . . . . .	17.9	18.5	21.5	24.6	25.4	25.8	23.2	22.9
45–64 years . . . . .	39.3	36.5	31.9	25.0	26.0	23.9	22.6	23.2
65 years and over . . . . .	55.8	46.7	41.1	37.2	44.2	38.5	34.4	33.3
65–74 years. . . . .	53.2	42.0	38.7	32.5	34.2	30.1	26.4	24.3
75–84 years. . . . .	61.9	55.7	45.5	45.5	60.2	47.7	41.2	41.1
85 years and over . . . . .	61.9	61.3	45.8	52.8	70.3	67.9	61.5	61.6

See footnotes at end of table.



**Table 46 (page 2 of 3). Death rates for suicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[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	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>Black or AfricanAmerican male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	7.5	8.4	10.0	11.4	12.8	12.4	10.3	10.0
All ages, crude . . . . .	6.3	6.4	8.0	10.3	12.0	11.7	9.6	9.4
15–24 years . . . . .	4.9	4.1	10.5	12.3	15.1	17.8	14.3	14.2
25–44 years . . . . .	9.8	12.6	16.1	19.2	19.6	18.3	15.0	14.3
45–64 years . . . . .	12.7	13.0	12.4	11.8	13.1	11.5	9.7	9.9
65 years and over . . . . .	9.0	9.9	8.7	11.4	14.9	14.6	12.6	11.5
65–74 years . . . . .	10.0	11.3	8.7	11.1	14.7	13.8	11.8	11.1
75–84 years <sup>5</sup> . . . . .	*	*	*	10.5	14.4	16.7	13.8	12.1
85 years and over . . . . .	---	*	*	*	*	*	*	*
<b>American Indian or Alaska Native male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	19.3	20.1	17.4	16.5	16.0
All ages, crude . . . . .	---	---	---	20.9	20.9	18.0	16.5	15.9
15–24 years . . . . .	---	---	---	45.3	49.1	30.8	30.8	26.2
25–44 years . . . . .	---	---	---	31.2	27.8	29.1	25.1	24.5
45–64 years . . . . .	---	---	---	*	*	13.6	13.2	15.4
65 years and over . . . . .	---	---	---	*	*	*	*	*
<b>Asian or Pacific Islander male<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	10.7	9.6	9.6	9.0	8.6
All ages, crude . . . . .	---	---	---	8.8	8.7	9.0	8.5	7.9
15–24 years . . . . .	---	---	---	10.8	13.5	14.4	9.1	9.1
25–44 years . . . . .	---	---	---	11.0	10.6	10.8	10.8	9.9
45–64 years . . . . .	---	---	---	13.0	9.7	8.7	11.6	9.7
65 years and over . . . . .	---	---	---	18.6	16.8	18.9	13.4	15.4
<b>Hispanic or Latino male<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	13.7	12.7	10.3	10.3
All ages, crude . . . . .	---	---	---	---	11.4	10.9	8.2	8.4
15–24 years . . . . .	---	---	---	---	14.7	16.0	9.9	10.9
25–44 years . . . . .	---	---	---	---	16.2	14.5	11.3	11.2
45–64 years . . . . .	---	---	---	---	16.1	14.2	11.8	12.0
65 years and over . . . . .	---	---	---	---	23.4	21.0	19.5	19.5
<b>White, not Hispanic or Latino male<sup>6</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	---	---	---	---	23.5	22.3	20.2	20.2
All ages, crude . . . . .	---	---	---	---	23.1	22.2	20.3	20.4
15–24 years . . . . .	---	---	---	---	24.4	24.0	19.2	19.5
25–44 years . . . . .	---	---	---	---	26.4	27.1	25.2	25.1
45–64 years . . . . .	---	---	---	---	26.8	24.5	23.4	24.0
65 years and over . . . . .	---	---	---	---	45.4	39.0	35.0	33.9
<b>White female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	6.0	5.9	7.9	6.1	5.2	4.7	4.4	4.3
All ages, crude . . . . .	5.5	5.3	7.1	5.9	5.3	4.8	4.5	4.4
15–24 years . . . . .	2.7	2.3	4.2	4.6	4.2	3.8	3.2	3.1
25–44 years . . . . .	6.6	7.0	11.0	8.1	6.6	6.3	6.2	6.0
45–64 years . . . . .	10.6	10.9	13.0	9.6	7.7	6.7	6.7	6.9
65 years and over . . . . .	9.9	8.8	8.5	6.4	6.8	5.7	4.6	4.3
<b>Black or AfricanAmerican female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup> . . . . .	1.8	2.0	2.9	2.4	2.4	2.0	1.6	1.8
All ages, crude . . . . .	1.5	1.6	2.6	2.2	2.3	2.0	1.6	1.7
15–24 years . . . . .	1.8	*	3.8	2.3	2.3	2.2	1.9	2.2
25–44 years . . . . .	2.3	3.0	4.8	4.3	3.8	3.3	2.5	2.6
45–64 years . . . . .	2.7	3.1	2.9	2.5	2.9	2.0	1.8	2.1
65 years and over . . . . .	*	*	2.6	*	1.9	2.1	1.5	1.3

See footnotes at end of table.

**Table 46 (page 3 of 3). Death rates for suicide, according to sex, race, Hispanic origin, and age: United States, selected years 1950–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1950 <sup>1</sup>	1960 <sup>1</sup>	1970	1980	1990	1995	1999 <sup>2</sup>	2000
Deaths per 100,000 resident population								
<b>American Indian or Alaska Native female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	4.7	3.6	3.9	4.0	3.8
All ages, crude	---	---	---	4.7	3.7	3.8	4.1	4.0
15–24 years	---	---	---	*	*	*	*	*
25–44 years	---	---	---	10.7	*	6.4	6.8	7.2
45–64 years	---	---	---	*	*	*	*	*
65 years and over	---	---	---	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>4</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	5.5	4.1	4.1	3.4	2.8
All ages, crude	---	---	---	4.7	3.4	3.7	3.3	2.7
15–24 years	---	---	---	*	3.9	4.8	4.0	2.7
25–44 years	---	---	---	5.4	3.8	3.6	3.8	3.3
45–64 years	---	---	---	7.9	5.0	4.7	3.8	3.2
65 years and over	---	---	---	*	8.5	8.6	6.4	5.2
<b>Hispanic or Latino female<sup>4,6</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	2.3	2.0	1.9	1.7
All ages, crude	---	---	---	---	2.2	1.8	1.6	1.5
15–24 years	---	---	---	---	3.1	2.4	1.8	2.0
25–44 years	---	---	---	---	3.1	2.5	2.3	2.1
45–64 years	---	---	---	---	2.5	2.8	2.5	2.5
65 years and over	---	---	---	---	*	*	2.4	*
<b>White, not Hispanic or Latino female<sup>6</sup></b>								
All ages, age adjusted <sup>3</sup>	---	---	---	---	5.4	4.9	4.7	4.7
All ages, crude	---	---	---	---	5.6	5.1	4.9	4.9
15–24 years	---	---	---	---	4.3	4.0	3.4	3.3
25–44 years	---	---	---	---	7.0	6.6	6.8	6.7
45–64 years	---	---	---	---	8.0	6.9	7.0	7.3
65 years and over	---	---	---	---	7.0	5.8	4.7	4.4

...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>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, Comparability ratio and tables V and VI.

<sup>3</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>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: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. For the period 1980–98, causes were coded using ICD–9 codes that are most nearly comparable with the 113 cause list for ICD–10. See Appendix II, 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. For additional injury-related statistics, see [www.cdc.gov/nccpc/wisqars](http://www.cdc.gov/nccpc/wisqars), a Web-based interactive database for injury data. 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: 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm](http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

This table will be updated with 2001 data 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, according to sex, race, Hispanic origin, and age: United States, selected years 1970–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1970	1980	1990	1995	1999 <sup>1</sup>	2000
All persons						
Deaths per 100,000 resident population						
All ages, age adjusted <sup>2</sup> . . . . .	14.3	14.8	14.6	13.4	10.3	10.2
All ages, crude . . . . .	13.1	14.9	14.9	13.5	10.3	10.2
Under 1 year . . . . .	*	*	*	*	*	*
1–14 years . . . . .	1.6	1.4	1.5	1.6	0.9	0.7
1–4 years . . . . .	1.0	0.7	0.6	0.6	0.4	0.3
5–14 years . . . . .	1.7	1.6	1.9	1.9	1.0	0.9
15–24 years . . . . .	15.5	20.6	25.8	26.7	17.6	16.8
15–19 years . . . . .	11.4	14.7	23.3	24.1	14.4	12.9
20–24 years . . . . .	20.3	26.4	28.1	29.2	21.0	20.9
25–44 years . . . . .	20.9	22.5	19.3	16.9	13.1	13.1
25–34 years . . . . .	22.2	24.3	21.8	19.6	14.9	14.5
35–44 years . . . . .	19.6	20.0	16.3	14.3	11.6	11.9
45–64 years . . . . .	17.6	15.2	13.6	11.7	10.0	10.0
45–54 years . . . . .	18.1	16.4	13.9	12.0	10.2	10.5
55–64 years . . . . .	17.0	13.9	13.3	11.3	9.7	9.4
65 years and over . . . . .	13.8	13.5	16.0	14.1	12.5	12.2
65–74 years . . . . .	14.5	13.8	14.4	12.8	11.0	10.6
75–84 years . . . . .	13.4	13.4	19.4	16.3	14.2	13.9
85 years and over . . . . .	10.2	11.6	14.7	14.4	13.5	14.2
Male						
All ages, age adjusted <sup>2</sup> . . . . .	24.8	25.9	26.1	23.8	18.4	18.1
All ages, crude . . . . .	22.2	25.7	26.2	23.6	18.1	17.8
Under 1 year . . . . .	*	*	*	*	*	*
1–14 years . . . . .	2.3	2.0	2.2	2.3	1.2	1.1
1–4 years . . . . .	1.2	0.9	0.7	0.8	0.5	0.4
5–14 years . . . . .	2.7	2.5	2.9	2.9	1.5	1.4
15–24 years . . . . .	26.4	34.8	44.7	46.5	30.6	29.4
15–19 years . . . . .	19.2	24.5	40.1	41.6	24.8	22.4
20–24 years . . . . .	35.1	45.2	49.1	51.5	36.8	37.0
25–44 years . . . . .	34.1	38.1	32.6	28.4	22.0	22.0
25–34 years . . . . .	36.5	41.4	37.0	33.2	25.5	24.9
35–44 years . . . . .	31.6	33.2	27.4	23.6	18.9	19.4
45–64 years . . . . .	31.0	25.9	23.4	20.0	17.1	17.1
45–54 years . . . . .	30.7	27.3	23.2	20.1	17.0	17.6
55–64 years . . . . .	31.3	24.5	23.7	19.8	17.1	16.3
65 years and over . . . . .	29.7	29.7	35.3	30.7	27.2	26.4
65–74 years . . . . .	29.5	27.8	28.2	25.1	21.5	20.3
75–84 years . . . . .	31.0	33.0	46.9	37.8	32.8	32.2
85 years and over . . . . .	26.2	34.9	49.3	47.1	43.3	44.7
Female						
All ages, age adjusted <sup>2</sup> . . . . .	4.8	4.7	4.2	3.8	2.9	2.8
All ages, crude . . . . .	4.4	4.7	4.3	3.8	2.9	2.8
Under 1 year . . . . .	*	*	*	*	*	*
1–14 years . . . . .	0.8	0.7	0.8	0.8	0.5	0.3
1–4 years . . . . .	0.9	0.5	0.5	0.5	0.4	*
5–14 years . . . . .	0.8	0.7	1.0	0.9	0.5	0.4
15–24 years . . . . .	4.8	6.1	6.0	5.9	3.9	3.5
15–19 years . . . . .	3.5	4.6	5.7	5.6	3.4	2.9
20–24 years . . . . .	6.4	7.7	6.3	6.1	4.4	4.2
25–44 years . . . . .	8.3	7.4	6.1	5.5	4.3	4.2
25–34 years . . . . .	8.4	7.5	6.7	5.8	4.1	4.0
35–44 years . . . . .	8.2	7.2	5.4	5.2	4.4	4.4
45–64 years . . . . .	5.4	5.4	4.5	3.9	3.3	3.4
45–54 years . . . . .	6.4	6.2	4.9	4.2	3.6	3.6
55–64 years . . . . .	4.2	4.6	4.0	3.5	2.9	3.0
65 years and over . . . . .	2.4	2.5	3.1	2.8	2.2	2.2
65–74 years . . . . .	2.8	3.1	3.6	3.0	2.4	2.5
75–84 years . . . . .	1.7	1.7	2.9	2.8	2.1	2.0
85 years and over . . . . .	*	1.3	1.3	1.8	1.5	1.7
White male <sup>3</sup>						
All ages, age adjusted <sup>2</sup> . . . . .	19.7	22.1	22.0	20.1	16.2	15.9
All ages, crude . . . . .	17.6	21.8	21.8	19.9	15.9	15.6
1–14 years . . . . .	1.8	1.9	1.9	1.9	1.0	1.0
15–24 years . . . . .	16.9	28.4	29.5	30.8	20.5	19.6
25–44 years . . . . .	24.2	29.5	25.7	23.2	18.3	18.0
25–34 years . . . . .	24.3	31.1	27.8	25.2	19.2	18.1
35–44 years . . . . .	24.1	27.1	23.3	21.2	17.6	17.9
45–64 years . . . . .	27.4	23.3	22.8	19.5	17.3	17.4
65 years and over . . . . .	29.9	30.1	36.8	32.2	28.9	28.2

See footnotes at end of table.

**Table 47 (page 2 of 3). Death rates for firearm-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1970–2000**

[Data are based on death certificates]

<i>Sex, race, Hispanic origin, and age</i>	1970	1980	1990	1995	1999 <sup>1</sup>	2000
Deaths per 100,000 resident population						
<b>Black or African American male<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	70.8	60.1	56.3	49.2	34.1	34.2
All ages, crude . . . . .	60.8	57.7	61.9	52.9	36.0	36.1
1–14 years . . . . .	5.3	3.0	4.4	4.4	2.0	1.8
15–24 years . . . . .	97.3	77.9	138.0	138.7	91.4	89.3
25–44 years . . . . .	126.2	114.1	90.3	70.2	51.5	54.1
25–34 years . . . . .	145.6	128.4	108.6	92.3	71.3	74.8
35–44 years . . . . .	104.2	92.3	66.1	46.3	32.2	34.3
45–64 years . . . . .	71.1	55.6	34.5	28.3	19.0	18.4
65 years and over . . . . .	30.6	29.7	23.9	21.8	15.2	13.8
<b>American Indian or Alaska Native male<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	24.0	19.4	19.4	16.1	13.1
All ages, crude . . . . .	---	27.5	20.5	20.9	16.2	13.2
15–24 years . . . . .	---	55.3	49.1	40.9	33.5	26.9
25–44 years . . . . .	---	43.9	25.4	31.2	21.5	16.6
45–64 years . . . . .	---	*	*	14.2	12.0	12.2
65 years and over . . . . .	---	*	*	*	*	*
<b>Asian or Pacific Islander male<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	7.8	8.8	9.2	5.9	6.0
All ages, crude . . . . .	---	8.2	9.4	10.0	6.3	6.2
15–24 years . . . . .	---	10.8	21.0	24.3	10.9	9.3
25–44 years . . . . .	---	12.8	10.9	10.6	8.3	8.1
45–64 years . . . . .	---	10.4	8.1	8.2	6.4	7.4
65 years and over . . . . .	---	*	*	*	*	*
<b>Hispanic or Latino male<sup>3,4</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	---	27.6	23.8	14.2	13.6
All ages, crude . . . . .	---	---	29.9	26.2	14.6	14.2
1–14 years . . . . .	---	---	2.6	2.8	1.1	1.0
15–24 years . . . . .	---	---	55.5	61.7	31.6	30.8
25–44 years . . . . .	---	---	42.7	31.4	17.9	17.3
25–34 years . . . . .	---	---	47.3	36.4	20.6	20.3
35–44 years . . . . .	---	---	35.4	24.2	14.3	13.2
45–64 years . . . . .	---	---	21.4	17.2	11.2	12.0
65 years and over . . . . .	---	---	19.1	16.5	14.4	12.2
<b>White, not Hispanic or Latino male<sup>4</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	---	20.6	18.6	15.8	15.5
All ages, crude . . . . .	---	---	20.4	18.5	15.9	15.7
1–14 years . . . . .	---	---	1.6	1.6	1.0	1.0
15–24 years . . . . .	---	---	24.1	23.5	17.2	16.2
25–44 years . . . . .	---	---	23.3	21.4	18.2	17.9
25–34 years . . . . .	---	---	24.7	22.5	18.6	17.2
35–44 years . . . . .	---	---	21.6	20.4	17.8	18.4
45–64 years . . . . .	---	---	22.7	19.5	17.8	17.8
65 years and over . . . . .	---	---	37.4	32.5	29.5	29.0
<b>White female<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	4.0	4.2	3.8	3.5	2.7	2.7
All ages, crude . . . . .	3.7	4.1	3.8	3.5	2.8	2.7
15–24 years . . . . .	3.4	5.1	4.8	0.7	0.4	0.3
25–44 years . . . . .	6.9	6.2	5.3	4.5	3.0	2.8
45–64 years . . . . .	5.0	5.1	4.5	4.0	3.4	3.5
65 years and over . . . . .	2.2	2.5	3.1	2.8	2.3	2.4

See footnotes at end of table.

**Table 47 (page 3 of 3). Death rates for firearm-related injuries, according to sex, race, Hispanic origin, and age: United States, selected years 1970–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and age	1970	1980	1990	1995	1999 <sup>1</sup>	2000
Deaths per 100,000 resident population						
<b>Black or African American female<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	11.1	8.7	7.3	6.2	4.3	3.9
All ages, crude . . . . .	10.0	8.8	7.8	6.5	4.4	4.0
15–24 years . . . . .	15.2	12.3	13.3	13.2	0.9	0.5
25–44 years . . . . .	19.4	16.1	12.4	9.8	9.0	7.6
45–64 years . . . . .	10.2	8.2	4.8	4.1	6.7	6.5
65 years and over . . . . .	4.3	3.1	3.1	2.6	3.0	3.1
<b>American Indian or Alaska Native female<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	5.8	3.3	3.8	2.6	2.9
All ages, crude . . . . .	---	5.8	3.4	4.1	2.8	2.9
15–24 years . . . . .	---	*	*	*	*	*
25–44 years . . . . .	---	10.2	*	7.0	*	5.5
45–64 years . . . . .	---	*	*	*	*	*
65 years and over . . . . .	---	*	*	*	*	*
<b>Asian or Pacific Islander female<sup>3</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	2.0	1.9	2.0	1.6	1.1
All ages, crude . . . . .	---	2.1	2.1	2.1	1.7	1.2
15–24 years . . . . .	---	*	*	3.9	*	*
25–44 years . . . . .	---	3.2	2.7	2.7	2.2	1.5
45–64 years . . . . .	---	*	*	*	2.1	*
65 years and over . . . . .	---	*	*	*	*	*
<b>Hispanic or Latino female<sup>3,4</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	---	3.3	3.1	2.0	1.8
All ages, crude . . . . .	---	---	3.6	3.3	2.0	1.8
15–24 years . . . . .	---	---	6.9	6.1	3.8	2.9
25–44 years . . . . .	---	---	5.1	4.7	2.5	2.5
45–64 years . . . . .	---	---	2.4	2.4	2.4	2.2
65 years and over . . . . .	---	---	*	*	*	*
<b>White, not Hispanic or Latino female<sup>4</sup></b>						
All ages, age adjusted <sup>2</sup> . . . . .	---	---	3.7	3.4	2.8	2.8
All ages, crude . . . . .	---	---	3.7	3.5	2.9	2.9
15–24 years . . . . .	---	---	4.3	4.1	2.8	2.7
25–44 years . . . . .	---	---	5.1	4.8	4.2	4.2
45–64 years . . . . .	---	---	4.6	4.1	3.5	3.6
65 years and over . . . . .	---	---	3.2	2.8	2.4	2.4

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

--- Data not available.

<sup>1</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, Comparability ratio and tables V and VI.

<sup>2</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. 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>Prior to 1997, excludes data from States lacking an Hispanic-origin item on the death certificate. See Appendix II, Hispanic origin.

NOTES: Population estimates used to compute rates for 1991–2000 differ from those used previously. Starting with *Health, United States, 2003*, rates for 1991–99 were revised using intercensal population estimates based on Census 2000. Rates for 2000 were revised based on Census 2000 counts. See Appendix I, Population Census and Population Estimates. Underlying cause of death code numbers are based on the applicable revision of the *International Classification of Diseases (ICD)* for data years shown. See Appendix II, 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. For additional injury-related statistics, see [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars), a Web-based interactive database for injury data. 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 1985–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census; additional mortality tables are available at [www.cdc.gov/nchs/dataawh/statab/unpubd/mortab.htm](http://www.cdc.gov/nchs/dataawh/statab/unpubd/mortab.htm); Anderson RN, Arias E. The effect of revised populations on mortality statistics for the U.S., 2000. National vital statistics reports. Vol 51 no 9. Hyattsville, Maryland: National Center for Health Statistics. 2003.

**This table will be updated with 2001 data 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, 1992–2001**

[Data are compiled from various Federal, State, and local administrative sources]

Characteristic	1992 <sup>1</sup>	1994	1995	1996	1997	1998	1999	2000	2001 <sup>2,3</sup>
Deaths per 100,000 employed workers <sup>4</sup>									
Total work force . . . . .	5.2	5.3	4.9	4.8	4.7	4.5	4.5	4.3	4.3
Total, including fatalities from Sept 11, 2001 . . . . .	...	...	...	...	...	...	...	...	6.4
Industry <sup>5</sup>									
Private sector . . . . .	5.5	5.7	5.1	5.1	5.0	4.8	4.8	4.6	4.5
Agriculture, forestry, and fishing . . . . .	24.0	23.9	22.2	22.4	23.5	23.4	23.8	20.9	22.8
Mining . . . . .	27.1	26.9	25.0	27.0	25.0	23.8	21.7	30.0	30.0
Construction . . . . .	14.1	14.8	14.7	14.0	14.1	14.5	14.0	12.9	13.3
Manufacturing . . . . .	3.8	3.9	3.5	3.5	3.6	3.4	3.6	3.3	3.2
Transportation and public utilities . . . . .	13.4	13.4	12.6	13.4	13.2	11.8	12.7	11.8	11.2
Wholesale trade . . . . .	5.3	5.8	5.1	5.4	4.9	4.5	4.6	4.3	4.3
Retail trade . . . . .	3.8	3.8	3.3	3.2	3.1	2.6	2.3	2.7	2.4
Finance, insurance, and real estate . . . . .	1.6	1.4	1.6	1.5	1.2	1.1	1.2	0.9	1.0
Services . . . . .	2.5	2.6	2.2	2.2	2.0	2.0	1.9	2.0	1.9
Government <sup>6</sup> . . . . .	3.7	3.4	3.9	3.1	3.2	3.0	2.8	2.8	3.1
Sex									
Male . . . . .	---	9.0	8.3	8.2	8.1	7.7	7.7	7.4	7.4
Female . . . . .	---	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7
Age									
16–17 years . . . . .	---	1.7	1.6	1.6	1.5	1.2	1.6	1.6	1.3
18–19 years . . . . .	---	3.0	3.3	3.2	2.8	3.1	2.7	2.7	2.8
20–24 years . . . . .	---	4.1	3.8	3.5	3.9	3.3	3.4	3.3	3.2
25–34 years . . . . .	---	4.8	4.3	4.2	4.1	3.9	3.8	3.8	3.8
35–44 years . . . . .	---	4.8	4.6	4.5	4.2	4.2	4.1	4.0	4.0
45–54 years . . . . .	---	5.6	5.2	4.9	4.9	4.6	4.6	4.4	4.5
55–64 years . . . . .	---	7.7	7.2	7.3	7.1	6.5	6.1	6.1	5.5
65 years and over . . . . .	---	14.3	14.0	13.7	13.8	14.5	14.6	12.0	12.7
Race and Hispanic origin <sup>7</sup>									
White . . . . .	---	5.1	4.7	4.7	4.6	4.5	4.4	---	---
Black or African American . . . . .	---	5.4	5.1	4.6	4.8	4.0	4.1	---	---
Hispanic or Latino . . . . .	---	5.7	5.5	5.4	5.1	5.2	5.2	5.6	6.0
Not Hispanic or Latino . . . . .	---	5.3	4.9	4.8	4.7	4.5	4.4	4.2	5.2
White . . . . .	---	---	---	---	---	---	---	4.2	4.2
Black or African American . . . . .	---	---	---	---	---	---	---	3.9	3.8
Number of deaths <sup>8</sup>									
Total work force . . . . .	6,217	6,632	6,275	6,202	6,238	6,055	6,054	5,920	5,900
Total, including fatalities from Sept 11, 2001 . . . . .	...	...	...	...	...	...	...	...	8,786
Industry <sup>5</sup>									
Private sector . . . . .	5,497	5,959	5,495	5,597	5,616	5,457	5,488	5,347	5,270
Agriculture, forestry, and fishing . . . . .	808	852	800	806	833	840	814	720	740
Mining . . . . .	181	180	156	153	158	147	122	156	170
Construction . . . . .	919	1,028	1,055	1,047	1,107	1,174	1,191	1,155	1,225
Manufacturing . . . . .	765	789	709	725	744	698	722	668	599
Transportation and public utilities . . . . .	895	949	901	970	1,008	911	1,008	957	911
Wholesale trade . . . . .	253	271	256	270	241	229	238	230	220
Retail trade . . . . .	734	808	687	681	670	570	513	594	537
Finance, insurance, and real estate . . . . .	122	113	125	116	97	92	107	79	86
Services . . . . .	757	853	749	776	727	763	736	769	767
Not classified . . . . .	63	116	57	53	31	33	37	19	15
Government <sup>6</sup> . . . . .	720	673	780	605	622	598	566	573	630

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, 1992–2001**

[Data are compiled from various Federal, State, and local administrative sources]

Characteristic	1992 <sup>1</sup>	1994	1995	1996	1997	1998	1999	2000	2001 <sup>2,3</sup>
Sex									
	Number of deaths <sup>8</sup>								
Male . . . . .	5,774	6,104	5,736	5,688	5,761	5,569	5,612	5,471	5,429
Female . . . . .	443	528	539	514	477	486	442	449	471
Age									
Under 16 years . . . . .	27	25	26	27	21	33	26	29	20
16–17 years . . . . .	41	42	42	43	41	32	46	44	33
18–19 years . . . . .	107	114	130	125	113	137	122	127	122
20–24 years . . . . .	544	545	486	444	503	421	451	446	440
25–34 years . . . . .	1,556	1,567	1,409	1,362	1,325	1,238	1,175	1,163	1,140
35–44 years . . . . .	1,538	1,619	1,571	1,586	1,524	1,525	1,510	1,473	1,474
45–54 years . . . . .	1,167	1,310	1,256	1,242	1,302	1,279	1,333	1,313	1,363
55–64 years . . . . .	767	866	827	855	875	836	816	831	773
65 years and over . . . . .	467	525	515	504	520	541	565	488	529
Unspecified . . . . .	3	19	13	14	14	13	10	6	6
Race and Hispanic origin									
White . . . . .	5,173	5,460	5,120	5,111	5,108	5,041	4,990	---	---
Black or African American . . . . .	624	707	697	631	677	594	626	---	---
Hispanic or Latino . . . . .	533	624	619	638	658	707	730	815	891
Not Hispanic or Latino . . . . .	5,684	6,008	5,656	5,564	5,580	5,348	5,323	5,100	5,009
White . . . . .	4,712	4,954	4,599	4,586	4,576	4,478	4,410	4,244	4,168
Black or African American . . . . .	618	695	684	615	661	583	616	575	563
American Indian or Alaska Native . . . . .	36	39	27	35	34	28	54	33	48
Asian <sup>9</sup> . . . . .	192	211	188	188	218	164	180	171	172
Native Hawaiian or Pacific Islander . . . . .	---	---	---	---	---	---	---	14	9
Multiple races . . . . .	---	---	---	---	---	---	---	---	6
Other races or not reported . . . . .	126	109	158	140	91	95	64	68	43

...Data not applicable.

--- Data not available.

<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>Fatalities due to the September 11 terrorist attacks are included only in the total line, as labeled, and not in the subcategories by industry and demographic characteristics.

<sup>3</sup>Preliminary data.

<sup>4</sup>Numerator excludes deaths to workers under the age of 16 years. Employment data in denominators are average annual estimates of employed civilians 16 years of age and over from the Current Population Survey (CPS) plus resident armed forces figures from the Bureau of the Census (1992–98) and Department of Defense (1999–2001).

<sup>5</sup>Classified according to the *Standard Industrial Classification Manual*, 1987 (see Appendix II, table VIII).

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

<sup>7</sup>Employment data for American Indian or Alaska Native workers and Asian or Pacific Islander workers are 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.

<sup>8</sup>Includes fatalities to all workers, regardless of age.

<sup>9</sup>In 1999 and earlier years, category also includes Native Hawaiian or 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 CDC. Fatal Occupational Injuries—United States, 1980–1997. MMWR 2001; 50(16):317–320, 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. In 1999 and earlier years the race groups white and black included persons of Hispanic and non-Hispanic origin. Some numbers for 2000 in this table were revised and differ from the previous edition of *Health, United States*. 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 51 (page 1 of 2). Healthy People 2010 Leading Health Indicators: United States, selected years 1990–2002 and 2010 target**

[Data are based on interviews and examinations of samples of the civilian noninstitutionalized population or special population subgroups; information from death certificates and birth certificates; and air quality measurements]

<i>Leading Health Indicators, measures, and Healthy People 2010 objective numbers</i>	<i>1990</i>	<i>1995</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2010 Target</i>
<b>Physical activity</b>								
1a. Adolescents in grades 9–12: percent who engaged in 20 minutes or more of vigorous activity 3 or more days per week (obj 22–07) . . . . .	---	64	---	65	---	65	---	85
1b. Adults age 18 years and over: age-adjusted percent who engaged in moderate activity (at least 30 minutes, 5 days per week) or vigorous activity (at least 20 minutes, 3 days per week) (obj 22–02) <sup>1</sup> . . . . .	---	---	30	30	32	32	33	50
<b>Overweight and obesity<sup>2</sup></b>								
2a. Overweight or obese children and adolescents, age 6–19 years: percent who are at or above the sex- and age-specific 95th percentile of Body Mass Index (BMI) based on CDC Growth Charts: United States (obj 19–03c) . . . . .	11	---	---	---	15	---	---	5
2b. Obese adults age 20 years and over: age-adjusted percent with BMI of 30 Kg/m <sup>2</sup> or more (obj 19–02) . . . . .	23	---	---	---	31	---	---	15
<b>Tobacco use</b>								
3a. Adolescents in grades 9–12: percent who smoked cigarettes one or more days in the past 30 days (obj 27–02b) . . . . .	---	35	---	35	28	28	---	16
3b. Adults age 18 years and over: age-adjusted percent who smoked more than 100 cigarettes in their lifetime and now report smoking on some days or every day (obj 27–01a) <sup>1</sup> . . . . .	25	25	24	23	23	23	22	12
<b>Substance abuse<sup>3</sup></b>								
4a. Adolescents age 12–17 years: percent who reported no use of alcohol or illicit drugs in the past 30 days (obj 26–10a) . . . . .	---	---	---	80	80	---	---	89
4b. Adults age 18 years and over: percent who reported illicit drug use in the past 30 days (obj 26–10c) . . . . .	---	---	---	5.8	5.9	---	---	2.0
4c. Adults age 18 years and over: percent who reported binge drinking in the past 30 days (obj 26–11c) . . . . .	---	---	---	21	22	---	---	6
<b>Responsible sexual behavior</b>								
5a. Adolescents in grades 9–12: percent who are not sexually active or sexually active and used condoms (obj 25–11) . . . . .	---	83	---	85	---	86	---	95
5a1. Never had intercourse. . . . .	---	47	---	50	---	54	---	...
5a2. Used a condom at last intercourse. . . . .	---	21	---	21	---	19	---	...
5a3. No sexual intercourse in past 3 months . . . . .	---	15	---	14	---	12	---	...
5b. Sexually active unmarried women age 18–44 years: percent who reported condom use by partners (obj 13–06a) . . . . .	---	23	---	---	---	---	---	50
5c. New cases of gonorrhea per 100,000 population (obj 25–02) (supplemental measure) . . . . .	277	149	132	132	129	129	---	19
<b>Mental health</b>								
6a. Adults age 18 years and over: percent with recognized depression who received treatment (obj 18–09b) <sup>4</sup> . . . . .	---	23	---	---	---	---	---	50
6b. Age-adjusted suicide rate per 100,000 standard population (obj 18–01) (supplemental measure) . . . . .	12.5	12.0	11.3	10.7	10.6	---	---	5.0
<b>Injury and violence</b>								
7a. Age-adjusted death rate for motor vehicle traffic-related injuries per 100,000 standard population (obj 15–15a) <sup>5</sup> . . . . .	18.0	16.1	15.6	15.0	15.2	---	---	9.2
7b. Age-adjusted homicide rate per 100,000 standard population (obj 15–32) . . . . .	9.4	8.4	6.5	6.2	6.1	---	---	3.0

See footnotes at end of table.

**Table 51 (page 2 of 2). Healthy People 2010 Leading Health Indicators: United States, selected years 1990–2002 and 2010 target**

[Data are based on interviews and examinations of samples of the civilian noninstitutionalized population or special population subgroups; information from death certificates and birth certificates; and air quality measurements]

Leading Health Indicators, measures, and Healthy People 2010 objective numbers	1990	1995	1998	1999	2000	2001	2002	2010 Target
Environmental quality								
8a. Percent of population exposed to ozone above EPA standard (obj 08–01a) . . . . .	---	---	43	43	43	41	---	0
8b. Persons age 4 years and over: age-adjusted percent of nonsmokers exposed to environmental tobacco smoke (obj 27–10) <sup>2</sup> . . . . .	65	---	---	---	---	---	---	45
8c. Persons under age 18 years: hospital admissions for asthma per 10,000 population (obj 01–09a) (supplemental measure) . . . . .	---	---	---	25.5	---	21.4	---	17.3
Immunization								
9a. Children age 19–35 months: percent who received all DTaP, polio, MMR, Hib, and HepB vaccines (obj 14–24a) . . . . .	---	---	73	73	73	74	---	80
9b. Adults age 65 years and over: age-adjusted percent who received influenza vaccine in the past 12 months (obj 14–29a) <sup>1</sup> . . . . .	---	59	64	66	65	63	66	90
9c. Adults age 65 years and over: age-adjusted percent who ever received pneumococcal vaccine (obj 14–29b) <sup>1</sup> . . . . .	---	35	46	50	53	54	55	90
Access to health care								
10a. Persons under age 65 years: age-adjusted percent with health insurance (obj 01–01) <sup>1,6</sup> . . . . .	---	84	83	84	83	84	84	100
10b. Persons of all ages: age-adjusted percent with a specific source of ongoing primary care (obj 01–04a) <sup>1</sup> . . . . .	---	87	87	86	87	88	88	96
10c. Pregnant women: percent who received prenatal care in the first trimester (obj 16–06a) . . . . .	76	81	83	83	83	83	---	90

--- Data not available.

...Data not applicable.

<sup>1</sup>Data for 1997 and later years are not strictly comparable with data for earlier years due to the 1997 questionnaire redesign. See Appendix I, NHIS. Data for 2002 are provisional.

<sup>2</sup>NHANES data for 1990 are for the period 1988–94. NHANES data for 2000 are for the period 1999–2000, and are based on a smaller sample size and therefore are subject to greater sampling error than the estimate for 1988–94.

<sup>3</sup>In a major redesign of the survey in 1999, the sample size, mode of administration, and survey content changed. Data are not shown for 1998 and earlier years because only limited comparisons can be made between data from the redesigned surveys (1999 onward) and data obtained from surveys prior to 1999. See Appendix I, NHSDA.

<sup>4</sup>Baseline year 1997 and baseline value 23 percent are shown in 1995.

<sup>5</sup>Motor vehicle traffic-related injuries (ICD–9-E810–E819 prior to 1999; and for 1999 and later years ICD–10-V02–V04(.1,.9), V09.2, V12–V14(.3–.9), V19(.4–.6), V20–V28(.3–.9), V29(.4–.9), V30–V39(.4–.9), V40–V49(.4–.9), V50–V59(.4–.9), V60–V69(.4–.9), V70–V79(.4–.9), V80(.3–.5), V81.1, V82.1, V83–V86(.0–.3), V87(.0–.8), V89.2) are a subset of data in tables 29 and 44 for motor vehicle-related injuries. (For ICD–10 codes, parenthetical digits apply to each preceding alphanumeric in the range.)

<sup>6</sup>See Appendix II, Health insurance coverage, for a discussion of changes in measurement of this variable.

NOTES: Additional information on specific measures is presented in the following tables: measure 3b (table 59); measure 5c (table 52); measure 6b (table 46); measure 7b (table 45); measure 10a (table 130); measure 10c (table 6). Additional information related to other measures is presented in the following tables: measure 2a (table 69); measure 2b (table 68); measures 4a and 4c (table 62); measure 5b (table 17); measure 7a (table 44); measure 9a (tables 71 and 72); measure 10b (tables 74 and 76). Current data for the Leading Health Indicators can be obtained from the Healthy People 2010 DATA2010 Web site: [wonder.cdc.gov/data2010](http://wonder.cdc.gov/data2010). Data for additional years are available (see Appendix III).

SOURCES: Youth Risk Behavior Surveillance System (YRBSS), CDC, NCCDPHP: measures 1a, 3a, and 5a; National Youth Tobacco Survey (NYTS), CDC, OSH: measure 3a (2000); National Health Interview Survey (NHIS), CDC, NCHS: measures 1b, 3b, 9b, 9c, 10a, and 10b; National Health and Nutrition Examination Survey (NHANES), CDC, NCHS: measures 2a, 2b, and 8b; National Household Survey on Drug Abuse (NHSDA), SAMHSA: measures 4a, 4b, 4c, and 6a; National Survey of Family Growth (NSFG), CDC, NCHS: measure 5b; Sexually Transmitted Diseases (STD) Surveillance System, CDC, NCHSTP: measure 5c; National Vital Statistics System (NVSS), CDC, NCHS: measures 6b, 7a, 7b, 10c; Aerometric Information Retrieval System (AIRS), EPA, OAR: measure 8a; Healthcare Cost and Utilization Project (HCUP), AHRQ: measure 8c; National Immunization Survey (NIS), CDC, NIP and NCHS: measure 9a.

Some measures will be updated on the web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).

**Table 53. Acquired immunodeficiency syndrome (AIDS) cases, according to age at diagnosis, sex, detailed race, and Hispanic origin: United States, selected years 1985–2002**

[Data are based on reporting by State health departments]

Age at diagnosis, sex, race, and Hispanic origin	All years <sup>1</sup>	All years <sup>1</sup>	1985	1990	1995	1999	2000	2001	2002	2002	Cases per 100,000 population <sup>3</sup>
All races . . . . .	...	831,112	8,159	41,448	70,412	44,580	40,282	41,450	42,745	15.0	
<b>Male</b>											
All males, 13 years and over . . . . .	100.0	676,609	7,504	36,179	56,689	34,013	30,135	30,663	31,644	28.0	
Not Hispanic or Latino:											
White . . . . .	47.7	322,920	4,746	20,825	26,028	12,691	11,314	11,054	11,221	13.9	
Black or African American . . . . .	35.4	239,650	1,710	10,239	20,833	14,830	13,082	13,764	14,310	111.9	
American Indian or Alaska Native . . . . .	0.3	2,203	7	81	197	135	136	149	155	17.3	
Asian or Pacific Islander . . . . .	0.8	5,666	49	264	489	295	291	348	381	8.2	
Hispanic or Latino <sup>4</sup> . . . . .	15.6	105,628	992	4,743	9,111	6,043	5,275	5,318	5,543	39.3	
13–19 years . . . . .	0.4	2,632	27	107	223	131	145	184	199	1.4	
20–29 years . . . . .	15.4	104,174	1,501	6,921	8,387	3,972	3,327	3,291	3,433	17.5	
30–39 years . . . . .	44.7	302,420	3,588	16,668	25,684	14,410	12,543	12,082	12,101	56.2	
40–49 years . . . . .	27.8	188,299	1,634	8,828	16,151	10,836	9,648	10,261	10,658	49.5	
50–59 years . . . . .	8.7	58,745	597	2,645	4,692	3,479	3,387	3,633	3,959	24.9	
60 years and over . . . . .	3.0	20,339	157	1,010	1,552	1,185	1,085	1,212	1,294	6.5	
<b>Female</b>											
All females, 13 years and over . . . . .	100.0	145,696	524	4,544	12,978	10,312	9,958	10,617	10,951	9.2	
Not Hispanic or Latino:											
White . . . . .	22.0	32,000	143	1,228	3,042	1,896	1,859	1,993	1,930	2.3	
Black or African American . . . . .	61.2	89,130	280	2,557	7,586	6,711	6,489	6,963	7,339	50.0	
American Indian or Alaska Native . . . . .	0.3	509	2	9	38	40	70	42	42	4.5	
Asian or Pacific Islander . . . . .	0.6	832	1	20	73	61	74	67	68	1.4	
Hispanic or Latino <sup>4</sup> . . . . .	15.9	23,145	98	726	2,236	1,599	1,462	1,543	1,561	11.8	
13–19 years . . . . .	1.4	1,995	5	67	157	166	170	171	203	1.5	
20–29 years . . . . .	20.6	29,996	178	1,117	2,676	1,886	1,750	1,717	1,819	9.6	
30–39 years . . . . .	43.6	63,504	232	2,087	5,934	4,234	3,973	4,145	3,991	18.7	
40–49 years . . . . .	24.1	35,168	45	780	3,059	2,789	2,857	3,147	3,377	15.3	
50–59 years . . . . .	7.0	10,243	26	274	818	916	867	999	1,150	6.9	
60 years and over . . . . .	3.3	4,790	38	219	334	321	341	438	411	1.5	
<b>Children</b>											
All children, under 13 years . . . . .	100.0	8,807	131	725	745	255	189	170	150	0.3	
Not Hispanic or Latino:											
White . . . . .	18.2	1,601	26	157	117	30	32	30	23	0.1	
Black or African American . . . . .	61.6	5,422	87	390	483	171	122	111	99	1.2	
American Indian or Alaska Native . . . . .	0.4	31	–	5	2	2	1	–	–	–	
Asian or Pacific Islander . . . . .	0.7	58	–	4	5	2	3	3	4	0.2	
Hispanic or Latino <sup>4</sup> . . . . .	19.1	1,685	18	169	135	49	30	26	24	0.2	
Under 1 year . . . . .	36.9	3,249	54	298	258	87	61	47	46	1.1	
1–12 years . . . . .	63.1	5,558	77	427	487	168	128	123	104	0.2	

...Category not applicable.

–Quantity zero.

<sup>1</sup>Includes cases reported to the Centers for Disease Control and Prevention prior to 1985 and through December 31, 2002.

<sup>2</sup>Percents may not sum to 100 percent due to rounding.

<sup>3</sup>Computed using estimates of July 1, 2001, U.S. resident population by age, sex, race, and Hispanic origin, prepared for NCHS under a collaboration arrangement with the U.S. Census Bureau.

<sup>4</sup>Persons of Hispanic origin may be of any race.

NOTES: The AIDS case reporting definitions were expanded in 1985, 1987, and 1993. See Appendix II, AIDS. Excludes data for U.S. dependencies and possessions and independent nations in free association with the United States. Data for all years have been updated through December 31, 2002, to include temporally delayed case reports and may differ from previous editions of *Health, United States*.

SOURCE: Centers for Disease Control and Prevention, National Center for HIV, STD, and TB Prevention, Division of HIV/AIDS Prevention—Surveillance and Epidemiology, AIDS Surveillance, 2003 special data run.

**Table 56 (page 1 of 3). Limitation of activity caused by chronic conditions, according to selected characteristics: United States, selected years 1997–2001**

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

<i>Characteristic</i>	<i>1997</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>
All ages				
Total <sup>2,3</sup>	13.3	12.2	11.7	12.1
Percent of persons with any activity limitation <sup>1</sup>				
Age				
Under 18 years	6.6	6.0	6.0	6.7
Under 5 years	3.5	3.1	3.2	3.3
5–17 years	7.8	7.0	7.0	8.0
18–44 years	7.0	6.3	5.8	6.1
18–24 years	5.1	4.4	3.6	4.6
25–44 years	7.6	6.9	6.5	6.6
45–54 years	14.2	13.1	12.4	13.1
55–64 years	22.2	21.1	19.7	20.7
65 years and over	38.7	35.6	34.7	34.5
65–74 years	30.0	27.5	26.1	26.0
75 years and over	50.2	45.6	45.1	44.7
Sex <sup>3</sup>				
Male	13.1	12.1	11.7	12.2
Female	13.4	12.2	11.5	11.9
Race <sup>3,4</sup>				
White only	13.1	12.0	11.5	11.8
Black or African American only	17.1	15.3	14.3	15.6
American Indian and Alaska Native only	23.1	18.8	20.1	18.9
Asian only	7.5	6.8	6.6	6.7
Native Hawaiian and Other Pacific Islander only	---	*	*	*
2 or more races	---	20.3	19.8	19.8
Black or African American; White	---	14.9	*20.3	14.9
American Indian and Alaska Native; White	---	26.0	25.3	22.0
Hispanic origin and race <sup>3,4</sup>				
Hispanic or Latino	12.8	10.4	10.3	10.6
Mexican	12.5	9.6	10.4	10.3
Not Hispanic or Latino	13.5	12.4	11.9	12.4
White only	13.2	12.2	11.7	12.1
Black or African American only	17.0	15.2	14.3	15.5
Poverty status <sup>3,5</sup>				
Poor	26.8	24.6	23.2	24.1
Near poor	19.0	19.1	17.5	18.8
Nonpoor	10.5	10.0	9.5	9.9
Hispanic origin and race and poverty status <sup>3,4,5</sup>				
Hispanic or Latino:				
Poor	19.7	16.4	16.9	17.2
Near poor	13.1	11.4	11.4	11.2
Nonpoor	9.8	7.9	7.4	7.9
Not Hispanic or Latino:				
White only:				
Poor	29.5	27.6	25.6	26.4
Near poor	20.7	21.5	19.7	20.8
Nonpoor	10.7	10.2	9.8	10.2
Black or African American only:				
Poor	29.4	28.0	24.7	27.0
Near poor	20.0	19.1	18.3	22.1
Nonpoor	10.7	10.1	9.7	10.3
Geographic region <sup>3</sup>				
Northeast	13.0	11.3	10.6	11.1
Midwest	13.1	12.9	12.3	13.4
South	13.9	12.6	11.7	12.3
West	13.0	11.7	12.1	11.5
Location of residence <sup>3</sup>				
Within MSA <sup>6</sup>	12.7	11.4	10.9	11.3
Outside MSA <sup>6</sup>	15.5	15.1	14.6	15.3

See footnotes at end of table.

**Table 56 (page 2 of 3). Limitation of activity caused by chronic conditions, according to selected characteristics: United States, selected years 1997–2001**

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

<i>Characteristic</i>	<i>1997</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>1997</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>
65 years of age and over								
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	6.3	6.3	6.4	13.7	12.4	12.7	12.6
Age								
65–74 years . . . . .	3.4	3.1	3.3	3.4	6.9	6.2	6.6	6.7
75 years and over . . . . .	10.4	9.9	9.5	9.6	21.2	19.1	19.3	18.9
Sex <sup>8</sup>								
Male . . . . .	5.2	4.9	5.1	6.1	9.1	8.4	9.2	9.6
Female . . . . .	7.7	7.2	7.0	6.6	16.9	15.1	15.1	14.6
Race <sup>4,8</sup>								
White only . . . . .	6.3	5.8	5.8	5.7	13.1	11.6	12.1	11.8
Black or African American only . . . . .	11.7	12.0	10.2	11.7	21.3	20.9	19.2	18.7
American Indian and Alaska Native only . . . . .	*	*	*	*	*	*25.2	*	*
Asian only . . . . .	*	*	*7.4	*9.1	*9.1	*9.1	*10.1	15.8
Native Hawaiian and Other Pacific Islander only . . . . .	---	*	*	*	---	*	*	*
2 or more races . . . . .	---	*	*	*	---	*	*	*16.1
Hispanic origin and race <sup>4,8</sup>								
Hispanic or Latino . . . . .	10.8	8.6	8.6	11.2	16.3	14.1	13.4	17.0
Mexican . . . . .	11.4	8.9	9.4	10.6	18.8	15.6	16.3	17.0
Not Hispanic or Latino . . . . .	6.5	6.2	6.1	6.1	13.6	12.3	12.6	12.3
White only . . . . .	6.1	5.7	5.7	5.5	13.0	11.5	12.1	11.6
Black or African American only . . . . .	11.7	12.0	10.1	11.8	21.2	21.0	19.1	18.7
Poverty status <sup>5,8</sup>								
Poor . . . . .	13.0	10.1	9.6	12.7	26.9	22.3	20.2	24.8
Near poor . . . . .	7.5	6.7	7.1	7.4	16.3	15.1	15.3	15.0
Nonpoor . . . . .	5.3	5.5	5.2	5.0	10.1	9.7	9.4	9.7
Hispanic origin and race and poverty status <sup>4,5,8</sup>								
Hispanic or Latino:								
Poor . . . . .	15.5	*8.4	12.3	14.1	25.8	17.9	17.6	23.5
Near poor . . . . .	11.3	*8.6	*7.6	10.5	16.5	14.1	14.1	14.6
Nonpoor . . . . .	*	*8.1	*6.5	*8.4	*9.7	*10.4	*7.9	*11.7
Not Hispanic or Latino:								
White only:								
Poor . . . . .	12.7	8.8	8.9	11.2	27.2	21.2	20.0	25.2
Near poor . . . . .	6.7	5.7	6.4	6.1	15.8	14.3	14.8	14.0
Nonpoor . . . . .	5.0	5.3	4.8	4.4	10.0	9.2	9.2	9.0
Black or African American only:								
Poor . . . . .	12.9	13.9	9.9	18.2	27.4	27.9	21.8	29.1
Near poor . . . . .	12.0	15.2	11.2	13.4	21.4	23.5	20.5	19.3
Nonpoor . . . . .	*10.6	*8.9	*11.9	*12.0	*13.0	18.4	15.5	18.3

See footnotes at end of table.



**Table 56 (page 3 of 3). Limitation of activity caused by chronic conditions, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	1997	1999	2000	2001	1997	1999	2000	2001
Geographic region <sup>8</sup>	Percent with ADL limitation <sup>7</sup>				Percent with IADL limitation <sup>7</sup>			
Northeast . . . . .	6.1	5.8	5.7	6.6	12.2	11.2	11.5	11.3
Midwest . . . . .	5.8	5.4	5.6	4.9	13.1	12.3	13.2	12.5
South . . . . .	8.2	7.1	7.4	7.5	15.8	13.2	13.1	13.3
West . . . . .	5.9	6.7	5.7	6.0	12.4	12.3	12.6	12.6
Location of residence <sup>8</sup>								
Within MSA <sup>6</sup> . . . . .	6.6	6.3	6.4	6.1	13.5	12.1	12.6	12.2
Outside MSA <sup>6</sup> . . . . .	7.2	6.4	6.0	7.3	14.4	13.4	13.2	13.7

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

--- 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. 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 and unknown poverty status.

<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. See Appendix II, Age adjustment.

<sup>4</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standard of the percent of persons with activity limitation are: identical for white and black persons; 1.1 percentage points higher for AI/AN persons; and 0.5 percentage points higher for Asian and Pacific Islander persons; for persons 65 years of age and older with ADL limitation: identical for white persons; and 0.1 percentage points lower for black persons; for persons 65 years of age and older with IADL limitation: identical for white persons; 0.2 percentage points lower for black persons; 3.0 percentage points lower for AI/AN persons; and 0.2 percentage points lower for Asian and Pacific Islander persons than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>5</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, 27 percent in 2000, and 28 percent in 2001. See Appendix II, Family income; Poverty level.

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

<sup>7</sup>These estimates are for elderly noninstitutionalized 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.

NOTE: Standard errors for selected years are available in the spreadsheet version of this table. See [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 57 (page 1 of 2). Respondent-assessed health status according to selected characteristics: United States, selected years 1991–2001**

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

<i>Characteristic</i>	<i>1991</i>	<i>1995</i>	<i>1997<sup>1</sup></i>	<i>1998<sup>1</sup></i>	<i>1999<sup>1</sup></i>	<i>2000<sup>1</sup></i>	<i>2001<sup>1</sup></i>
	Percent of persons with fair or poor health <sup>2</sup>						
Total <sup>3,4</sup> . . . . .	10.4	10.6	9.2	9.1	8.9	9.0	9.2
Age							
Under 18 years . . . . .	2.6	2.6	2.1	1.8	1.6	1.7	1.8
Under 6 years . . . . .	2.7	2.7	1.9	1.5	1.4	1.5	1.6
6–17 years . . . . .	2.6	2.5	2.1	1.9	1.8	1.8	1.9
18–44 years . . . . .	6.1	6.6	5.3	5.3	5.1	5.1	5.4
18–24 years . . . . .	4.8	4.5	3.4	3.2	3.4	3.2	3.3
25–44 years . . . . .	6.4	7.2	5.9	5.9	5.6	5.7	6.0
45–54 years . . . . .	13.4	13.4	11.7	11.6	11.5	11.9	11.7
55–64 years . . . . .	20.7	21.4	18.2	18.0	18.5	17.9	19.2
65 years and over . . . . .	29.0	28.3	26.7	26.7	26.1	27.0	26.6
65–74 years . . . . .	26.0	25.6	23.1	23.9	22.7	22.6	23.0
75 years and over . . . . .	33.6	32.2	31.5	30.4	30.2	32.2	30.8
Sex <sup>3</sup>							
Male . . . . .	10.0	10.1	8.8	8.8	8.6	8.8	9.0
Female . . . . .	10.8	11.1	9.7	9.4	9.2	9.3	9.5
Race <sup>3,5</sup>							
White only . . . . .	9.6	9.7	8.3	8.2	8.0	8.2	8.2
Black or African American only . . . . .	16.8	17.2	15.8	15.7	14.6	14.6	15.4
American Indian and Alaska Native only . . . . .	18.3	18.7	17.3	17.6	14.7	17.2	14.5
Asian only . . . . .	7.8	9.3	7.8	7.1	8.6	7.4	8.1
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	---	*	*	*
2 or more races . . . . .	---	---	---	---	12.9	16.4	13.8
Black or African American; White . . . . .	---	---	---	---	*20.5	14.6	*10.1
American Indian and Alaska Native; White . . . . .	---	---	---	---	14.5	18.8	15.0
Hispanic origin and race <sup>3,5</sup>							
Hispanic or Latino . . . . .	15.6	15.1	13.0	13.1	11.9	12.9	12.7
Mexican . . . . .	17.0	16.7	13.1	13.5	12.3	12.9	12.5
Not Hispanic or Latino # . . . . .			8.9	8.8	8.6	8.7	8.9
White only . . . . .	9.1	9.1	8.0	7.8	7.7	7.9	7.9
Black or African American only . . . . .	16.8	17.3	15.8	15.8	14.6	14.6	15.5
Poverty status <sup>3,6</sup>							
Poor . . . . .	22.8	23.7	21.4	22.2	21.7	20.9	21.0
Near poor . . . . .	14.7	15.5	14.6	15.6	14.9	15.3	15.5
Nonpoor . . . . .	6.8	6.7	6.1	5.7	6.1	6.3	6.2
Hispanic origin and race and poverty status <sup>3,5,6</sup>							
Hispanic or Latino:							
Poor . . . . .	23.6	22.7	19.8	21.7	18.9	19.1	18.8
Near poor . . . . .	18.0	16.9	14.0	15.3	14.2	16.5	15.2
Nonpoor . . . . .	9.3	8.7	8.8	7.9	8.2	8.4	9.2
Not Hispanic or Latino:							
White only:							
Poor . . . . .	21.9	22.8	20.6	21.3	20.5	20.1	19.4
Near poor . . . . .	14.0	14.8	14.1	15.3	14.5	14.7	14.6
Nonpoor . . . . .	6.4	6.2	5.7	5.3	5.7	5.8	5.8
Black or African American only:							
Poor . . . . .	25.8	27.7	25.6	26.3	27.2	25.3	26.5
Near poor . . . . .	17.0	19.3	19.5	19.3	18.2	19.4	20.9
Nonpoor . . . . .	10.9	9.9	9.6	9.0	8.6	9.6	9.3

See footnotes at end of table.

**Table 57 (page 2 of 2). Respondent-assessed health status according to selected characteristics: United States, selected years 1991–2001**

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

<i>Characteristic</i>	<i>1991</i>	<i>1995</i>	<i>1997<sup>1</sup></i>	<i>1998<sup>1</sup></i>	<i>1999<sup>1</sup></i>	<i>2000<sup>1</sup></i>	<i>2001<sup>1</sup></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	7.9	7.5	7.6	7.4
Midwest . . . . .	9.1	9.7	8.1	8.0	8.0	8.0	8.8
South . . . . .	13.1	12.3	10.8	10.9	10.5	10.7	10.8
West . . . . .	9.7	10.1	8.8	8.4	8.7	8.8	8.6
<b>Location of residence<sup>3</sup></b>							
Within MSA <sup>7</sup> . . . . .	9.9	10.1	8.7	8.5	8.3	8.5	8.7
Outside MSA <sup>7</sup> . . . . .	11.9	12.6	11.1	11.4	11.1	11.1	11.0

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

- - - Data not available.

#Estimates calculated upon request.

<sup>1</sup>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.

<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 and unknown poverty status.

<sup>5</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standards of the percent of persons in fair or poor health are: identical for the white and black groups; 0.1 percentage points lower for the Asian and Pacific Islander group; and 0.8 percentage points higher for the AI/AN group than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>6</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Missing family income data were imputed for 16–18 percent of persons in 1991 and 1995. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, 27 percent in 2000, and 29 percent in 2001. See Appendix II, Family Income; Poverty level.

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

NOTE: Standard errors for selected years are available in the spreadsheet version of this table. See [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 59 (page 1 of 2). Current cigarette smoking by persons 18 years of age and over according to sex, race, and age: United States, selected years 1965–2001**

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

<i>Sex, race, and age</i>	1965	1974	1979	1983	1985	1990	1995	1997 <sup>1</sup>	1998 <sup>1</sup>	1999 <sup>1</sup>	2000 <sup>1</sup>	2001 <sup>1</sup>
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	31.9	29.9	25.3	24.6	24.6	24.0	23.3	23.1	22.7
Male . . . . .	51.2	42.8	37.0	34.8	32.2	28.0	26.5	27.1	25.9	25.2	25.2	24.7
Female . . . . .	33.7	32.2	30.1	29.4	27.9	22.9	22.7	22.2	22.1	21.6	21.1	20.8
White male <sup>4</sup> . . . . .	50.4	41.7	36.4	34.2	31.3	27.6	26.2	26.8	26.0	25.0	25.5	24.9
Black or African American male <sup>4</sup> . . . . .	58.8	53.6	43.9	41.7	40.2	32.8	29.4	32.4	29.0	28.4	25.7	27.6
White female <sup>4</sup> . . . . .	33.9	32.0	30.3	29.6	27.9	23.5	23.4	22.8	23.0	22.5	22.0	22.1
Black or African American female <sup>4</sup> . . . . .	31.8	35.6	30.5	31.3	30.9	20.8	23.5	22.5	21.1	20.5	20.7	17.9
18 years and over, crude												
All persons . . . . .	42.4	37.1	33.5	32.1	30.1	25.5	24.7	24.7	24.1	23.5	23.3	22.8
Male . . . . .	51.9	43.1	37.5	35.1	32.6	28.4	27.0	27.6	26.4	25.7	25.7	25.2
Female . . . . .	33.9	32.1	29.9	29.5	27.9	22.8	22.6	22.1	22.0	21.5	21.0	20.7
White male <sup>4</sup> . . . . .	51.1	41.9	36.8	34.5	31.7	28.0	26.6	27.2	26.3	25.3	25.8	25.1
Black or African American male <sup>4</sup> . . . . .	60.4	54.3	44.1	40.6	39.9	32.5	28.5	32.2	29.0	28.6	26.1	27.6
White female <sup>4</sup> . . . . .	34.0	31.7	30.1	29.4	27.7	23.4	23.1	22.5	22.6	22.1	21.6	21.7
Black or African American female <sup>4</sup> . . . . .	33.7	36.4	31.1	32.2	31.0	21.2	23.5	22.5	21.1	20.6	20.8	18.0
All males												
18–24 years . . . . .	54.1	42.1	35.0	32.9	28.0	26.6	27.8	31.7	31.3	29.5	28.5	30.4
25–34 years . . . . .	60.7	50.5	43.9	38.8	38.2	31.6	29.5	30.3	28.5	29.1	29.0	27.2
35–44 years . . . . .	58.2	51.0	41.8	41.0	37.6	34.5	31.5	32.1	30.2	30.0	30.2	27.4
45–64 years . . . . .	51.9	42.6	39.3	35.9	33.4	29.3	27.1	27.6	27.7	25.8	26.4	26.4
65 years and over . . . . .	28.5	24.8	20.9	22.0	19.6	14.6	14.9	12.8	10.4	10.5	10.2	11.5
White male <sup>4</sup>												
18–24 years . . . . .	53.0	40.8	34.3	32.5	28.4	27.4	28.4	34.0	34.1	30.5	30.9	32.5
25–34 years . . . . .	60.1	49.5	43.6	38.6	37.3	31.6	29.9	30.4	29.2	30.8	29.9	29.0
35–44 years . . . . .	57.3	50.1	41.3	40.8	36.6	33.5	31.2	32.1	29.6	29.5	30.6	27.8
45–64 years . . . . .	51.3	41.2	38.3	35.0	32.1	28.7	26.3	26.5	27.0	24.5	25.8	25.1
65 years and over . . . . .	27.7	24.3	20.5	20.6	18.9	13.7	14.1	11.5	10.0	10.0	9.8	10.7
Black or African American male <sup>4</sup>												
18–24 years . . . . .	62.8	54.9	40.2	34.2	27.2	21.3	*14.6	23.5	19.7	23.6	20.8	21.6
25–34 years . . . . .	68.4	58.5	47.5	39.9	45.6	33.8	25.1	31.6	25.2	22.7	23.3	23.8
35–44 years . . . . .	67.3	61.5	48.6	45.5	45.0	42.0	36.3	33.9	36.1	34.8	30.8	29.9
45–64 years . . . . .	57.9	57.8	50.0	44.8	46.1	36.7	33.9	39.4	37.3	35.7	32.2	34.3
65 years and over . . . . .	36.4	29.7	26.2	38.9	27.7	21.5	28.5	26.0	16.3	17.3	14.2	21.1

See footnotes at end of table.

**Table 59 (page 2 of 2). Current cigarette smoking by persons 18 years of age and over according to sex, race, and age: United States, selected years 1965–2001**

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

Sex, race, and age	1965	1974	1979	1983	1985	1990	1995	1997 <sup>1</sup>	1998 <sup>1</sup>	1999 <sup>1</sup>	2000 <sup>1</sup>	2001 <sup>1</sup>
Percent of persons who are current cigarette smokers <sup>3</sup>												
All females												
18–24 years . . . . .	38.1	34.1	33.8	35.5	30.4	22.5	21.8	25.7	24.5	26.3	25.1	23.4
25–34 years . . . . .	43.7	38.8	33.7	32.6	32.0	28.2	26.4	24.8	24.6	23.5	22.5	23.0
35–44 years . . . . .	43.7	39.8	37.0	33.8	31.5	24.8	27.1	27.2	26.4	26.5	26.2	25.7
45–64 years . . . . .	32.0	33.4	30.7	31.0	29.9	24.8	24.0	21.5	22.5	21.0	21.6	21.4
65 years and over . . . . .	9.6	12.0	13.2	13.1	13.5	11.5	11.5	11.5	11.2	10.7	9.3	9.2
White female <sup>4</sup>												
18–24 years . . . . .	38.4	34.0	34.5	36.5	31.8	25.4	24.9	29.4	28.1	29.6	28.7	27.2
25–34 years . . . . .	43.4	38.6	34.1	32.2	32.0	28.5	27.3	26.1	26.9	25.5	25.1	25.5
35–44 years . . . . .	43.9	39.3	37.2	34.8	31.0	25.0	27.0	27.5	26.6	26.9	26.6	27.0
45–64 years . . . . .	32.7	33.0	30.6	30.6	29.7	25.4	24.3	20.9	22.5	21.2	21.4	21.6
65 years and over . . . . .	9.8	12.3	13.8	13.2	13.3	11.5	11.7	11.7	11.2	10.5	9.1	9.4
Black or African American female <sup>4</sup>												
18–24 years . . . . .	37.1	35.6	31.8	32.0	23.7	10.0	*8.8	11.5	*8.1	14.8	14.2	10.0
25–34 years . . . . .	47.8	42.2	35.2	38.0	36.2	29.1	26.7	22.5	21.5	18.2	15.5	16.8
35–44 years . . . . .	42.8	46.4	37.7	32.7	40.2	25.5	31.9	30.1	30.0	28.8	30.2	24.0
45–64 years . . . . .	25.7	38.9	34.2	36.3	33.4	22.6	27.5	28.4	25.4	22.3	25.6	22.6
65 years and over . . . . .	7.1	*8.9	*8.5	*13.1	14.5	11.1	13.3	10.7	11.5	13.5	10.2	9.3

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

<sup>1</sup>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. 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, 65 years and over. See Appendix II, Age adjustment.

<sup>3</sup>Beginning in 1993 current cigarette smokers reported 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 data year 1999 race-specific estimates are tabulated according to 1997 Standards for 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 1997 Standards. The 1999 race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, data were tabulated according to 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standards of the percent of current smokers are: identical for white males and females; 0.1 percentage points higher for black males; and 0.2 percentage points higher for black females than estimates based on the 1997 Standards. See Appendix II, Race. For additional data on cigarette smoking by racial groups, see table 61 of *Health, United States, 2003*.

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

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, 1990–91), cancer control and cancer epidemiology (1992), and year 2000 objectives (1993–95). Starting in 1997 data are from the family core and sample adult questionnaires.

**Table 61 (page 1 of 2). Current cigarette smoking by adults according to sex, race, Hispanic origin, age, and education: United States, average annual 1990–92, 1995–98, and 1999–2001**

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

Characteristic	Male			Female		
	1990–92	1995–98 <sup>1</sup>	1999–2001 <sup>1</sup>	1990–92	1995–98 <sup>1</sup>	1999–2001 <sup>1</sup>
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	25.1	23.7	22.1	21.2
Race <sup>5</sup>						
White only . . . . .	27.4	26.4	25.2	24.3	22.9	22.2
Black or African American only . . . . .	33.9	30.7	27.2	23.1	21.8	19.7
American Indian and Alaska Native only . . . . .	34.2	40.5	30.4	36.7	28.9	34.7
Asian only . . . . .	24.8	18.1	20.3	6.3	11.0	6.7
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	*	---	---	*
2 or more races . . . . .	---	---	34.5	---	---	30.8
American Indian and Alaska Native; White . . . . .	---	---	38.7	---	---	39.0
Hispanic origin and race <sup>5</sup>						
Hispanic or Latino . . . . .	25.7	24.4	22.3	15.8	13.7	12.1
Mexican . . . . .	26.2	24.5	22.0	14.8	12.0	10.6
Not Hispanic or Latino . . . . .	28.1	26.9	25.5	24.4	23.1	22.3
White only . . . . .	27.7	26.9	25.6	25.2	24.1	23.5
Black or African American only . . . . .	33.9	30.7	27.3	23.2	21.9	19.7
18 years of age and over, crude						
All persons <sup>4</sup> . . . . .	28.4	27.0	25.5	23.6	22.0	21.0
Race <sup>5</sup>						
White only . . . . .	27.8	26.8	25.4	24.1	22.6	21.8
Black or African American only . . . . .	33.2	30.6	27.4	23.3	21.8	19.8
American Indian and Alaska Native only . . . . .	35.5	39.2	32.0	37.3	31.2	36.9
Asian only . . . . .	24.9	20.0	21.3	6.3	11.2	6.9
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	*	---	---	*
2 or more races . . . . .	---	---	35.9	---	---	31.6
American Indian and Alaska Native; White . . . . .	---	---	41.0	---	---	40.3
Hispanic origin and race <sup>5</sup>						
Hispanic or Latino . . . . .	26.5	25.5	23.2	16.6	13.8	12.5
Mexican . . . . .	27.1	25.2	22.8	15.0	11.6	10.9
Not Hispanic or Latino . . . . .	28.5	27.2	25.8	24.2	22.9	22.0
White only . . . . .	28.0	27.0	25.6	24.8	23.5	22.8
Black or African American only . . . . .	33.3	30.6	27.5	23.3	21.9	19.8
18–24 years:						
Hispanic or Latino . . . . .	19.3	26.5	22.8	12.8	12.0	12.9
Not Hispanic or Latino:						
White only . . . . .	28.9	35.5	32.7	28.7	31.6	30.8
Black or African American only . . . . .	17.7	21.3	21.9	10.8	9.8	13.0
25–34 years:						
Hispanic or Latino . . . . .	29.9	25.9	23.4	19.2	12.6	12.5
Not Hispanic or Latino:						
White only . . . . .	32.7	30.5	30.8	30.9	28.5	27.4
Black or African American only . . . . .	34.6	28.5	23.3	29.2	22.0	16.9
35–44 years:						
Hispanic or Latino . . . . .	32.1	26.2	25.4	19.9	17.6	14.1
Not Hispanic or Latino:						
White only . . . . .	32.3	31.5	29.6	27.3	28.1	28.3
Black or African American only . . . . .	44.1	34.7	32.0	31.3	30.3	27.5
45–64 years:						
Hispanic or Latino . . . . .	26.6	26.8	24.7	17.1	14.7	13.5
Not Hispanic or Latino:						
White only . . . . .	28.4	26.8	25.2	26.1	22.3	22.1
Black or African American only . . . . .	38.0	38.8	34.0	26.1	26.9	23.6
65 years and over:						
Hispanic or Latino . . . . .	16.1	14.7	12.5	6.6	9.4	5.9
Not Hispanic or Latino:						
White only . . . . .	14.2	10.6	10.0	12.3	11.6	9.9
Black or African American only . . . . .	25.2	20.9	17.6	10.7	11.2	11.0

See footnotes at end of table.



**Table 61 (page 2 of 2). Current cigarette smoking by adults according to sex, race, Hispanic origin, age, and education: United States, average annual 1990–92, 1995–98, and 1999–2001**

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

Characteristic	Male			Female		
	1990–92	1995–98 <sup>1</sup>	1999–2001 <sup>1</sup>	1990–92	1995–98 <sup>1</sup>	1999–2001 <sup>1</sup>
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	24.2	15.8	13.3	12.1
Not Hispanic or Latino:						
White only . . . . .	46.1	43.9	43.5	40.4	40.7	39.3
Black or African American only . . . . .	45.4	44.6	40.0	31.3	30.0	29.4
High school diploma or GED:						
Hispanic or Latino . . . . .	29.6	26.7	24.2	18.4	16.4	12.5
Not Hispanic or Latino:						
White only . . . . .	32.9	32.8	31.9	28.4	28.8	29.2
Black or African American only . . . . .	38.2	35.7	31.5	25.4	26.6	23.0
Some college or more:						
Hispanic or Latino . . . . .	20.4	16.6	17.2	14.3	13.5	11.1
Not Hispanic or Latino:						
White only . . . . .	19.3	18.3	17.6	18.1	17.2	16.7
Black or African American only . . . . .	25.6	23.3	19.2	22.8	18.9	17.0

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

--- Data not available.

<sup>1</sup>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. 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 percent smoking is 0 or 100, the age adjustment procedure was modified to substitute the percent smoking from the previous 3-year period.

<sup>3</sup>Beginning in 1993 current cigarette smokers reported 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.

<sup>5</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data years 1999–2001 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999–2001 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 data years 1999–2001, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and Other Pacific Islander. Estimates for single race categories prior to 1999–2001 included persons who reported one race or, if they reported more than one race, identified one race as best representing their race. The effect of the 1997 Standard on the 1999–2001 estimates can be seen by comparing 1999–2001 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standards of the percent of current smokers for adults 18 years of age and over are: identical for white males; 0.2 percentage points higher for black males; 1.1 percentage points higher for AI/AN males; 0.9 percentage points higher for Asian and Pacific Islander males; identical for white females; 0.1 percentage points higher for black females; 1.0 percentage points higher for AI/AN females; and 1.6 percentage points higher for Asian and Pacific Islander females than estimates based on the 1997 Standards. See Appendix II, 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: Data for additional years are available (see Appendix III). Standard errors for selected years are available in the spreadsheet version of this table. See [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm). For more data on cigarette smoking see the National Health Interview Survey home page: [www.cdc.gov/nchs/nhis.htm](http://www.cdc.gov/nchs/nhis.htm).

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 (1990–91), cancer control and cancer epidemiology (1992), and year 2000 objectives (1993–95). Starting in 1997 data are from the family core and sample adult questionnaires.

**Table 65 (page 1 of 3). Alcohol consumption by persons 18 years of age and over, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	Both sexes			Male			Female		
	1997	2000	2001	1997	2000	2001	1997	2000	2001
Drinking status <sup>1</sup>									
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	21.2	24.1	22.6	14.0	17.5	15.2	27.6	29.9	29.2
Former drinker	15.7	14.4	14.9	16.2	14.9	16.0	15.3	14.2	14.0
Infrequent	9.0	8.2	8.5	7.7	7.0	7.7	10.1	9.2	9.1
Regular	6.7	6.3	6.4	8.5	7.8	8.3	5.2	5.0	4.8
Current drinker	63.1	61.5	62.5	69.8	67.7	68.8	57.0	55.8	56.8
Infrequent	15.0	14.7	12.8	11.7	11.1	9.2	18.1	18.2	16.2
Regular	48.1	46.7	48.7	58.1	56.6	58.4	38.9	37.7	39.7
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	21.1	24.0	22.5	14.0	17.5	15.2	27.7	30.1	29.3
Former drinker	15.5	14.3	14.8	15.6	14.3	15.5	15.4	14.3	14.1
Infrequent	8.9	8.1	8.4	7.5	6.8	7.5	10.1	9.3	9.2
Regular	6.6	6.2	6.4	8.1	7.5	8.0	5.2	5.0	4.9
Current drinker	63.4	61.7	62.7	70.5	68.2	69.3	57.0	55.6	56.6
Infrequent	15.0	14.7	12.9	11.7	11.1	9.3	18.1	18.1	16.2
Regular	48.4	46.9	48.8	58.8	57.2	58.9	38.8	37.5	39.5
Age									
Percent current drinkers among all persons									
All persons:									
18–44 years	69.4	67.4	69.0	74.8	73.0	75.0	64.2	61.9	63.2
18–24 years	62.2	59.4	63.6	66.7	64.0	69.6	57.7	54.9	57.7
25–44 years	71.6	69.9	70.8	77.2	76.0	76.8	66.1	64.1	65.0
45–64 years	63.3	62.0	62.5	70.8	68.1	67.8	56.2	56.3	57.5
45–54 years	67.1	65.1	65.6	73.8	70.3	70.1	60.7	60.1	61.2
55–64 years	57.3	57.2	57.6	65.8	64.6	64.2	49.4	50.6	51.6
65 years and over	43.4	42.1	42.0	52.7	50.0	50.9	36.6	36.2	35.5
65–74 years	48.6	46.9	45.8	56.7	52.6	55.2	42.0	42.2	38.2
75 years and over	36.6	36.3	37.6	46.7	46.6	45.1	30.2	29.7	32.6
Race <sup>2,3</sup>									
White only	66.0	64.6	65.8	71.8	69.7	71.0	60.7	59.9	61.0
Black or African American only	47.8	46.8	46.6	56.9	56.2	56.9	40.9	39.4	38.6
American Indian and Alaska Native only	53.9	54.2	51.5	66.1	62.6	62.8	45.2	46.9	38.6
Asian only	45.8	43.0	44.7	60.1	55.9	59.7	31.6	29.3	30.1
Native Hawaiian and Other Pacific Islander only	---	*	*	---	*	*	---	*	*
2 or more races	---	61.6	68.5	---	70.5	69.9	---	52.7	67.1
Hispanic origin and race <sup>2,3</sup>									
Hispanic or Latino	53.4	52.1	49.8	64.6	63.7	61.2	42.1	41.2	39.0
Mexican	53.0	50.6	49.8	66.9	64.4	63.0	38.9	36.8	36.7
Not Hispanic or Latino	64.1	62.1	62.9	70.2	68.7	68.6	58.7	57.4	57.9
White only	67.5	66.0	67.7	72.7	70.4	72.0	62.9	61.9	63.7
Black or African American only	47.8	46.8	46.5	57.1	56.4	57.0	40.7	39.3	38.4
Geographic region <sup>2</sup>									
Northeast	68.7	68.0	68.4	74.4	73.2	73.8	63.8	63.7	63.7
Midwest	66.8	65.6	67.1	73.0	70.7	71.7	61.1	61.1	63.0
South	56.2	54.3	55.5	63.9	62.1	63.2	49.2	47.1	48.5
West	64.9	62.8	64.0	71.5	68.4	70.5	58.9	57.2	57.6
Location of residence <sup>2</sup>									
Within MSA <sup>4</sup>	64.7	63.0	64.1	71.0	69.0	70.4	59.1	57.5	58.3
Outside MSA <sup>4</sup>	57.4	56.0	56.9	65.7	62.6	62.8	49.5	50.3	51.6

See footnotes at end of table.

**Table 65 (page 2 of 3). Alcohol consumption by persons 18 years of age and over, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	Both sexes			Male			Female		
	1997	2000	2001	1997	2000	2001	1997	2000	2001
Level of alcohol consumption in past year for current drinkers <sup>5</sup>									
Percent distribution of current drinkers									
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	70.6	68.8	59.5	60.4	59.1	81.0	82.0	79.6
Moderate . . . . .	22.5	22.2	23.4	31.8	32.0	32.6	12.0	11.5	13.0
Heavier . . . . .	7.9	7.1	7.9	8.7	7.7	8.3	7.0	6.5	7.3
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	70.8	69.0	59.6	60.5	59.2	81.4	82.3	79.9
Moderate . . . . .	22.3	22.1	23.2	31.7	31.8	32.4	11.7	11.3	12.9
Heavier . . . . .	7.9	7.1	7.8	8.8	7.7	8.4	6.9	6.4	7.2
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 . . . . .	65.9	68.2	67.6	54.7	56.9	57.2	78.6	80.6	79.0
At least 1 day . . . . .	34.1	31.8	32.4	45.3	43.1	42.8	21.4	19.4	21.0
1–11 days . . . . .	18.5	17.4	17.1	22.0	21.2	19.9	14.6	13.3	14.0
12 or more days . . . . .	15.6	14.4	15.3	23.4	21.9	22.8	6.8	6.1	7.0
Hispanic origin, race, and age <sup>3</sup>									
Percent of persons with 5 or more drinks on at least one day among current drinkers									
All persons:									
18 years and over, age adjusted <sup>2</sup> . . . . .	32.4	30.3	30.6	43.3	41.2	40.5	20.2	18.5	19.9
18 years and over, crude . . . . .	34.1	31.8	32.4	45.3	43.1	42.7	21.4	19.4	20.9
18–44 years . . . . .	42.4	40.4	41.4	54.6	52.3	52.2	28.7	27.0	29.2
18–24 years . . . . .	51.6	52.2	51.8	61.5	60.8	60.1	40.2	42.4	41.7
25–44 years . . . . .	40.0	37.1	38.3	52.8	49.9	49.7	25.7	22.8	25.7
45–64 years . . . . .	25.3	23.5	23.8	36.1	35.0	34.7	12.9	10.8	11.9
45–54 years . . . . .	28.5	25.5	26.4	40.1	37.9	38.0	15.3	12.0	14.0
55–64 years . . . . .	19.6	19.9	18.9	28.9	29.9	28.7	8.3	8.7	8.0
65 years and over . . . . .	11.2	9.1	8.2	17.8	14.8	13.1	4.4	3.4	3.1
65–74 years . . . . .	13.9	11.3	10.2	21.6	18.3	15.5	5.5	4.2	4.0
75 years and over . . . . .	6.7	5.8	5.3	11.0	9.5	9.1	*2.5	*	*
Race <sup>2,3</sup>									
White only . . . . .	33.3	31.0	31.8	44.4	41.8	42.0	20.9	19.2	20.7
Black or African American only . . . . .	23.6	23.9	20.6	31.7	34.1	27.5	14.9	12.7	12.5
American Indian and Alaska Native only . . . . .	54.5	45.0	34.6	70.5	47.0	35.9	38.4	34.7	*27.9
Asian only . . . . .	25.5	20.3	23.2	30.7	25.4	28.9	16.6	10.8	*12.9
Native Hawaiian and Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*
2 or more races . . . . .	---	44.0	41.6	---	53.1	59.9	---	31.5	24.3
Hispanic origin and race <sup>2,3</sup>									
Hispanic or Latino . . . . .	36.8	31.9	32.2	46.3	43.0	41.9	22.3	16.0	17.9
Mexican . . . . .	39.0	37.5	35.6	50.1	49.0	45.9	20.3	17.9	17.7
Not Hispanic or Latino . . . . .	31.9	31.9	32.2	42.7	43.0	41.9	20.0	16.0	17.9
White only . . . . .	33.2	31.2	32.0	44.5	42.1	42.2	21.0	19.7	21.3
Black or African American only . . . . .	23.4	23.8	20.5	31.7	33.8	27.4	14.4	12.7	12.5

See footnotes at end of table.

**Table 65 (page 3 of 3). Alcohol consumption by persons 18 years of age and over, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	Both sexes			Male			Female		
	1997	2000	2001	1997	2000	2001	1997	2000	2001
Geographic region	Percent of persons with 5 or more drinks on at least one day among current drinkers								
Northeast . . . . .	31.3	28.9	30.0	43.1	39.7	41.4	18.9	18.1	18.8
Midwest . . . . .	33.8	33.3	33.6	44.7	44.7	44.4	21.6	21.5	22.4
South . . . . .	30.9	27.4	27.9	40.5	37.1	36.1	19.2	15.6	18.0
West . . . . .	33.4	32.0	31.7	44.6	43.1	41.4	20.8	18.8	20.1
Location of residence <sup>2</sup>									
Within MSA <sup>4</sup> . . . . .	31.6	30.0	30.1	42.4	40.4	39.9	19.8	18.5	19.1
Outside MSA <sup>4</sup> . . . . .	34.8	31.3	32.8	45.7	43.1	42.2	21.2	18.5	22.5

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

- - - 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 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. See Appendix II, Age adjustment.

<sup>3</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standards of the percent of persons who are current drinkers are: identical for the white men; 0.3 percentage points higher for black men; 1.6 percentage points higher for AI/AN men; 0.2 percentage points lower for Asian and Pacific Islander men; identical for white women; 0.2 percentage points higher for black women; 1.8 percentage points lower for AI/AN women; and 2.4 percentage points higher for Asian and Pacific Islander women than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>4</sup>MSA is metropolitan statistical area.

<sup>5</sup>Level of alcohol consumption categories are based on self-reported responses to questions about average alcohol consumption and defined as follows: light drinkers: 3 drinks or fewer per week; moderate drinkers: more than 3 drinks and up to 14 drinks per week for men and more than 3 drinks and up to 7 drinks per week for women; heavier drinkers: more than 14 drinks per week for men and more than 7 drinks per week for women. (Most drinking guidelines consider more than 7 drinks per week to be a heavier level of consumption for women. U.S. Department of Agriculture: Dietary Guidelines for Americans, 2000, 5th edition.)

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

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

**Table 66. Hypertension among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

Sex, age, race, and Hispanic origin <sup>1</sup>	1960–62	1971–74	1976–80 <sup>2</sup>	1988–94 <sup>3</sup>	1999–2000 <sup>3</sup>
20–74 years, age adjusted <sup>4</sup>					
Percent of population (standard error)					
Both sexes <sup>5,6</sup> . . . . .	38.1	39.8	40.4	23.9 (0.6)	28.7 (1.6)
Male . . . . .	41.3	43.9	45.2	26.4 (0.9)	29.8 (1.9)
Female <sup>5</sup> . . . . .	35.0	35.8	35.8	21.4 (0.7)	27.5 (1.7)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	45.0	25.6 (1.0)	28.8 (2.0)
White only, female <sup>5</sup> . . . . .	---	---	33.7	19.7 (0.8)	24.5 (1.9)
Black or African American only, male . . . . .	---	---	50.7	36.5 (1.0)	37.8 (2.9)
Black or African American only, female <sup>5</sup> . . . . .	---	---	51.1	36.4 (0.9)	40.9 (2.4)
Mexican male . . . . .	---	---	25.6	25.9 (1.2)	30.6 (2.6)
Mexican female <sup>5</sup> . . . . .	---	---	22.5	22.3 (1.0)	25.0 (1.8)
20 years and over, age adjusted <sup>4</sup>					
Both sexes <sup>5,6</sup> . . . . .	---	---	---	27.8 (0.6)	32.8 (1.5)
Male . . . . .	---	---	---	29.4 (0.9)	33.1 (1.7)
Female <sup>5</sup> . . . . .	---	---	---	25.9 (0.6)	32.1 (1.6)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	28.6 (1.0)	32.2 (1.9)
White only, female <sup>5</sup> . . . . .	---	---	---	24.4 (0.7)	29.5 (1.8)
Black or African American only, male . . . . .	---	---	---	39.7 (1.1)	41.6 (2.7)
Black or African American only, female <sup>5</sup> . . . . .	---	---	---	39.9 (0.9)	44.7 (2.2)
Mexican male . . . . .	---	---	---	29.5 (1.2)	34.5 (2.6)
Mexican female <sup>5</sup> . . . . .	---	---	---	26.4 (0.9)	29.9 (1.7)
20 years and over, crude					
Both sexes <sup>5,6</sup> . . . . .	---	---	---	26.3 (0.8)	32.2 (1.5)
Male . . . . .	---	---	---	26.6 (1.0)	31.2 (1.7)
Female <sup>5</sup> . . . . .	---	---	---	26.0 (0.9)	33.1 (1.8)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	27.1 (1.2)	32.3 (1.8)
White only, female <sup>5</sup> . . . . .	---	---	---	26.1 (1.1)	32.6 (2.2)
Black or African American only, male . . . . .	---	---	---	33.1 (1.2)	35.1 (3.0)
Black or African American only, female <sup>5</sup> . . . . .	---	---	---	33.8 (1.2)	40.6 (3.1)
Mexican male . . . . .	---	---	---	18.8 (1.3)	24.0 (2.9)
Mexican female <sup>5</sup> . . . . .	---	---	---	17.1 (0.8)	21.1 (2.2)
Male					
20–34 years . . . . .	22.8	24.8	28.9	8.6 (1.0)	*11.8 (2.6)
35–44 years . . . . .	37.7	39.1	40.5	20.8 (1.7)	19.2 (2.8)
45–54 years . . . . .	47.6	55.0	53.6	34.0 (2.2)	36.9 (3.3)
55–64 years . . . . .	60.3	62.5	61.8	42.9 (2.6)	50.7 (4.3)
65–74 years . . . . .	68.8	67.2	67.1	57.3 (2.5)	68.3 (4.9)
75 years and over . . . . .	---	---	---	64.2 (2.2)	70.7 (3.2)
Female <sup>5</sup>					
20–34 years . . . . .	9.3	11.2	11.1	3.3 (0.6)	*3.1 (0.9)
35–44 years . . . . .	24.0	28.2	28.8	12.6 (1.1)	18.6 (2.9)
45–54 years . . . . .	43.4	43.6	47.1	25.1 (2.1)	33.4 (3.4)
55–64 years . . . . .	66.4	62.5	61.1	44.1 (2.5)	57.9 (3.2)
65–74 years . . . . .	81.5	78.3	71.8	60.6 (1.6)	73.4 (3.5)
75 years and over . . . . .	---	---	---	76.5 (1.7)	84.9 (3.2)

\*Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. --- Data not available.  
<sup>1</sup>Persons of Mexican origin may be of any race. Starting with data year 1999 race-specific estimates are tabulated according to 1997 Standards for 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 1997 Standards. The 1999–2000 race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, data were tabulated according to 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. The effect of the 1997 Standard on the 1999–2000 estimates can be seen by comparing 1999–2000 data tabulated according to the two Standards: Estimates based on the 1977 Standards of the percent of the population 20–74 years, age adjusted, with hypertension are: 0.1 percentage points higher for white males; 0.2 percentage points higher for white females; 0.2 percentage points higher for black males; and 0.1 percentage points higher for black females than estimates based on the 1997 Standards. See Appendix II, Race.  
<sup>2</sup>Data for Mexicans are for 1982–84. See Appendix I, National Health and Nutrition Examination Survey (NHANES).  
<sup>3</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.  
<sup>4</sup>Age adjusted to the 2000 standard population using five age groups except for 1999–2000 estimates, which are age adjusted using three age groups (20–39, 40–59, and 60–74 or 60 years and over) due to a smaller sample size; however, use of three rather than five groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.  
<sup>5</sup>Excludes pregnant women. <sup>6</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

NOTES: Aperson with hypertension is defined by either having elevated blood pressure (systolic pressure of at least 140 mmHg or diastolic pressure of at least 90 mmHg) or taking antihypertensive medication. Percents are based on a single measurement of blood pressure to provide comparable data across the five time periods. Some data for 1988–94 have been revised and differ from the previous edition of *Health, United States*. Estimates for persons 20 years and over are used for setting and tracking *Healthy People 2010* objectives.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).

**Table 67 (page 1 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

<i>Sex, age, race, and Hispanic origin<sup>1</sup></i>	1960–62	1971–74	1976–80 <sup>2</sup>	1988–94 <sup>3</sup>	1999–2000 <sup>3</sup>
20–74 years, age adjusted <sup>4</sup>					
Percent of population with high serum cholesterol (standard error)					
Both sexes <sup>5</sup> . . . . .	33.3	28.6	27.8	19.7 (0.6)	18.0 (0.9)
Male . . . . .	30.6	27.9	26.4	18.8 (0.8)	17.7 (1.1)
Female . . . . .	35.6	29.1	28.8	20.5 (0.8)	18.2 (1.3)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	26.4	18.7 (0.9)	18.3 (1.4)
White only, female . . . . .	---	---	29.6	20.7 (1.0)	19.3 (1.7)
Black or African American only, male . . . . .	---	---	25.5	16.4 (1.0)	10.7 (2.1)
Black or African American only, female . . . . .	---	---	26.3	19.9 (0.8)	16.5 (2.5)
Mexican male . . . . .	---	---	20.3	18.7 (1.5)	17.8 (1.9)
Mexican female . . . . .	---	---	20.5	17.7 (1.2)	13.1 (1.3)
20 years and over, age adjusted <sup>4</sup>					
Both sexes <sup>5</sup> . . . . .	---	---	---	20.8 (0.6)	18.3 (0.8)
Male . . . . .	---	---	---	19.0 (0.7)	17.2 (1.1)
Female . . . . .	---	---	---	22.0 (0.8)	19.1 (1.2)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	18.8 (0.8)	17.8 (1.3)
White only, female . . . . .	---	---	---	22.2 (1.0)	19.9 (1.6)
Black or African American only, male . . . . .	---	---	---	16.9 (0.9)	10.6 (1.9)
Black or African American only, female . . . . .	---	---	---	21.4 (0.9)	17.7 (2.4)
Mexican male . . . . .	---	---	---	18.5 (1.6)	17.8 (1.9)
Mexican female . . . . .	---	---	---	18.7 (1.3)	13.9 (1.3)
20 years and over, crude					
Both sexes <sup>5</sup> . . . . .	---	---	---	19.6 (0.6)	17.8 (0.9)
Male . . . . .	---	---	---	17.7 (0.7)	16.7 (1.1)
Female . . . . .	---	---	---	21.3 (0.9)	18.7 (1.2)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	18.0 (0.8)	17.7 (1.4)
White only, female . . . . .	---	---	---	22.5 (1.1)	20.2 (1.6)
Black or African American only, male . . . . .	---	---	---	14.7 (1.0)	*10.1 (2.1)
Black or African American only, female . . . . .	---	---	---	18.2 (0.9)	15.9 (2.2)
Mexican male . . . . .	---	---	---	15.4 (1.3)	14.8 (2.0)
Mexican female . . . . .	---	---	---	14.3 (1.1)	11.3 (1.4)
Male					
20–34 years . . . . .	15.1	12.4	11.9	8.2 (0.9)	11.0 (1.5)
35–44 years . . . . .	33.9	31.8	27.9	19.4 (1.6)	21.1 (3.3)
45–54 years . . . . .	39.2	37.5	36.9	26.6 (2.3)	22.9 (3.4)
55–64 years . . . . .	41.6	36.2	36.8	28.0 (2.1)	16.5 (2.4)
65–74 years . . . . .	38.0	34.7	31.7	21.9 (2.2)	19.2 (2.8)
75 years and over . . . . .	---	---	---	20.4 (1.8)	*10.1 (2.1)
Female					
20–34 years . . . . .	12.4	10.9	9.8	7.3 (1.0)	9.3 (1.4)
35–44 years . . . . .	23.1	19.3	20.7	12.3 (1.3)	12.8 (2.5)
45–54 years . . . . .	46.9	38.7	40.5	26.7 (2.1)	23.7 (4.2)
55–64 years . . . . .	70.1	53.1	52.9	40.9 (1.9)	26.2 (3.1)
65–74 years . . . . .	68.5	57.7	51.6	41.3 (2.4)	37.4 (4.0)
75 years and over . . . . .	---	---	---	38.2 (2.2)	27.6 (2.5)

See footnotes at end of table.



**Table 67 (page 2 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

Sex, age, race, and Hispanic origin <sup>1</sup>	1960–62	1971–74	1976–80 <sup>2</sup>	1988–94 <sup>3</sup>	1999–2000 <sup>3</sup>
20–74 years, age adjusted <sup>4</sup>					
Mean serum cholesterol level, mg/dL (standard error)					
Both sexes <sup>5</sup> . . . . .	222	216	215	205 (0.8)	204 (1.0)
Male . . . . .	220	216	213	204 (0.9)	204 (1.2)
Female . . . . .	224	217	216	205 (0.8)	203 (1.4)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	213	204 (1.0)	204 (1.6)
White only, female . . . . .	---	---	216	206 (1.1)	206 (1.7)
Black or African American only, male . . . . .	---	---	211	201 (1.3)	192 (2.5)
Black or African American only, female . . . . .	---	---	216	204 (0.6)	200 (2.8)
Mexican male . . . . .	---	---	209	206 (1.6)	207 (1.7)
Mexican female . . . . .	---	---	209	204 (1.3)	198 (2.0)
20 years and over, age adjusted <sup>4</sup>					
Both sexes <sup>5</sup> . . . . .	---	---	---	206 (0.7)	204 (0.9)
Male . . . . .	---	---	---	204 (0.9)	203 (1.1)
Female . . . . .	---	---	---	207 (0.8)	205 (1.3)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	205 (1.0)	204 (1.5)
White only, female . . . . .	---	---	---	208 (1.1)	207 (1.6)
Black or African American only, male . . . . .	---	---	---	202 (1.3)	192 (2.3)
Black or African American only, female . . . . .	---	---	---	207 (0.7)	201 (2.7)
Mexican male . . . . .	---	---	---	206 (1.5)	207 (1.7)
Mexican female . . . . .	---	---	---	206 (1.3)	199 (1.9)
20 years and over, crude					
Both sexes <sup>5</sup> . . . . .	---	---	---	204 (0.8)	203 (1.0)
Male . . . . .	---	---	---	202 (0.9)	202 (1.1)
Female . . . . .	---	---	---	206 (0.9)	204 (1.5)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	203 (1.0)	203 (1.5)
White only, female . . . . .	---	---	---	208 (1.3)	207 (1.6)
Black or African American only, male . . . . .	---	---	---	198 (1.3)	190 (2.5)
Black or African American only, female . . . . .	---	---	---	201 (0.7)	198 (2.8)
Mexican male . . . . .	---	---	---	199 (1.6)	203 (1.8)
Mexican female . . . . .	---	---	---	198 (1.5)	195 (2.0)
Male					
20–34 years . . . . .	198	194	192	186 (1.2)	189 (2.0)
35–44 years . . . . .	227	221	217	206 (1.6)	205 (2.8)
45–54 years . . . . .	231	229	227	216 (1.8)	215 (2.9)
55–64 years . . . . .	233	229	229	216 (2.2)	210 (2.5)
65–74 years . . . . .	230	226	221	212 (1.9)	210 (2.6)
75 years and over . . . . .	---	---	---	205 (1.9)	194 (2.4)
Female					
20–34 years . . . . .	194	191	189	184 (1.3)	186 (2.2)
35–44 years . . . . .	214	207	207	195 (1.4)	197 (2.1)
45–54 years . . . . .	237	232	232	217 (2.3)	213 (3.1)
55–64 years . . . . .	262	245	249	235 (1.6)	223 (2.8)
65–74 years . . . . .	266	250	246	233 (1.9)	229 (3.2)
75 years and over . . . . .	---	---	---	229 (2.0)	219 (2.5)

\*Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent. --- Data not available.  
<sup>1</sup>Persons of Mexican origin may be of any race. Starting with data year 1999 race-specific estimates are tabulated according to 1997 Standards for 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 1997 Standards. The 1999–2000 race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, data were tabulated according to 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. The effect of the 1997 Standard on the 1999–2000 estimates can be seen by comparing 1999–2000 data tabulated according to the two Standards: Estimates based on the 1977 Standards of the percent of the population 20–74 years, age adjusted, with high serum cholesterol are: 0.1 percentage points lower for white males; 0.1 percentage points higher for white females; 0.1 percentage points lower for black males; and unchanged for black females than estimates based on the 1997 Standards. See Appendix II, Race.  
<sup>2</sup>Data for Mexicans are for 1982–84. See Appendix I, National Health and Nutrition Examination Survey (NHANES).  
<sup>3</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.  
<sup>4</sup>Age adjusted to the 2000 standard population using five age groups except for 1999–2000 estimates, which are age adjusted using three age groups (20–39, 40–59, and 60–74 or 60 years and over) due to a smaller sample size; however, use of three rather than five groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.  
<sup>5</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

NOTES: High serum cholesterol is defined as greater than or equal to 240 mg/dL (6.20 mmol/L). Risk levels have been defined by the Second 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 1993. (Summarized in *JAMA* 269(23):3015–23. June 16, 1993.)

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).

**Table 68 (page 1 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

Sex, age, race, and Hispanic origin <sup>1</sup>	Overweight <sup>2</sup>				
	1960–62	1971–74	1976–80 <sup>3</sup>	1988–94 <sup>4</sup>	1999–2000 <sup>4</sup>
20–74 years, age adjusted <sup>5</sup>					
Percent of population (standard error)					
Both sexes <sup>6,7</sup> . . . . .	44.8	47.7	47.4	56.0 (0.9)	64.5 (1.5)
Male . . . . .	49.5	54.7	52.9	61.0 (1.0)	67.0 (1.5)
Female <sup>6</sup> . . . . .	40.2	41.1	42.0	51.2 (1.1)	62.0 (2.0)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	53.8	61.6 (1.2)	67.3 (2.0)
White only, female <sup>6</sup> . . . . .	---	---	38.7	47.2 (1.4)	57.2 (2.7)
Black or African American only, male . . . . .	---	---	51.3	58.2 (1.2)	60.3 (2.3)
Black or African American only, female <sup>6</sup> . . . . .	---	---	62.6	68.5 (1.4)	77.7 (1.9)
Mexican male . . . . .	---	---	61.6	69.4 (1.1)	74.4 (2.8)
Mexican female <sup>6</sup> . . . . .	---	---	61.7	69.6 (1.7)	71.8 (2.5)
20 years and over, age adjusted <sup>5</sup>					
Both sexes <sup>6,7</sup> . . . . .	---	---	---	56.0 (0.8)	64.5 (1.4)
Male . . . . .	---	---	---	60.9 (1.0)	67.2 (1.4)
Female <sup>6</sup> . . . . .	---	---	---	51.4 (1.0)	61.9 (1.9)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	61.6 (1.2)	67.4 (1.8)
White only, female <sup>6</sup> . . . . .	---	---	---	47.5 (1.3)	57.3 (2.5)
Black or African American only, male . . . . .	---	---	---	57.8 (1.2)	60.7 (1.9)
Black or African American only, female <sup>6</sup> . . . . .	---	---	---	68.2 (1.3)	77.3 (2.0)
Mexican male . . . . .	---	---	---	68.9 (1.1)	74.7 (2.6)
Mexican female <sup>6</sup> . . . . .	---	---	---	68.9 (1.6)	71.9 (2.4)
20 years and over, crude					
Both sexes <sup>6,7</sup> . . . . .	---	---	---	54.9 (0.8)	64.1 (1.4)
Male . . . . .	---	---	---	59.4 (1.0)	66.5 (1.4)
Female <sup>6</sup> . . . . .	---	---	---	50.7 (1.0)	61.8 (1.9)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	60.6 (1.2)	67.3 (1.8)
White only, female <sup>6</sup> . . . . .	---	---	---	47.4 (1.2)	57.8 (2.6)
Black or African American only, male . . . . .	---	---	---	56.7 (1.2)	58.9 (2.3)
Black or African American only, female <sup>6</sup> . . . . .	---	---	---	66.0 (1.4)	76.5 (2.2)
Mexican male . . . . .	---	---	---	63.9 (1.5)	72.0 (3.7)
Mexican female <sup>6</sup> . . . . .	---	---	---	65.9 (1.4)	69.4 (3.1)
Male					
20–34 years . . . . .	42.7	42.8	41.2	47.5 (1.4)	58.0 (2.5)
35–44 years . . . . .	53.5	63.2	57.2	65.5 (1.7)	67.6 (2.7)
45–54 years . . . . .	53.9	59.7	60.2	66.1 (2.1)	71.3 (3.5)
55–64 years . . . . .	52.2	58.5	60.2	70.5 (2.1)	72.5 (3.5)
65–74 years . . . . .	47.8	54.6	54.2	68.5 (2.1)	77.2 (3.6)
75 years and over . . . . .	---	---	---	56.5 (2.0)	66.4 (3.5)
Female <sup>6</sup>					
20–34 years . . . . .	21.2	25.8	27.9	37.0 (1.4)	51.5 (2.8)
35–44 years . . . . .	37.2	40.5	40.7	49.6 (2.4)	63.6 (4.1)
45–54 years . . . . .	49.3	49.0	48.7	60.3 (2.5)	64.7 (3.7)
55–64 years . . . . .	59.9	54.5	53.7	66.3 (1.6)	73.1 (3.7)
65–74 years . . . . .	60.9	55.9	59.5	60.3 (1.8)	70.1 (4.0)
75 years and over . . . . .	---	---	---	52.3 (1.5)	59.6 (3.7)

See footnotes at end of table.

**Table 68 (page 2 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

Sex, age, race, and Hispanic origin <sup>1</sup>	Obesity <sup>8</sup>				
	1960–62	1971–74	1976–80 <sup>3</sup>	1988–94 <sup>4</sup>	1999–2000 <sup>4</sup>
20–74 years, age adjusted <sup>5</sup>					
Percent of population (standard error)					
Both sexes <sup>6,7</sup> . . . . .	13.3	14.6	15.1	23.3 (0.7)	30.9 (1.6)
Male . . . . .	10.7	12.2	12.8	20.6 (0.7)	27.7 (1.7)
Female <sup>6</sup> . . . . .	15.7	16.8	17.1	26.0 (1.0)	34.0 (2.0)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	12.4	20.7 (0.9)	27.4 (1.9)
White only, female <sup>6</sup> . . . . .	---	---	15.4	23.3 (1.2)	30.4 (2.3)
Black or African American only, male . . . . .	---	---	16.5	21.3 (1.0)	28.9 (2.4)
Black or African American only, female <sup>6</sup> . . . . .	---	---	31.0	39.1 (1.4)	50.4 (2.8)
Mexican male . . . . .	---	---	15.7	24.4 (1.1)	29.4 (2.5)
Mexican female <sup>6</sup> . . . . .	---	---	26.6	36.1 (1.4)	40.1 (3.8)
20 years and over, age adjusted <sup>5</sup>					
Both sexes <sup>6,7</sup> . . . . .	---	---	---	22.9 (0.7)	30.5 (1.4)
Male . . . . .	---	---	---	20.2 (0.7)	27.5 (1.6)
Female <sup>6</sup> . . . . .	---	---	---	25.5 (0.9)	33.4 (1.8)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	20.3 (0.8)	27.3 (1.8)
White only, female <sup>6</sup> . . . . .	---	---	---	22.9 (1.1)	30.1 (2.1)
Black or African American only, male . . . . .	---	---	---	20.9 (1.0)	28.1 (2.3)
Black or African American only, female <sup>6</sup> . . . . .	---	---	---	38.3 (1.4)	49.7 (2.8)
Mexican male . . . . .	---	---	---	23.8 (1.0)	28.9 (2.3)
Mexican female <sup>6</sup> . . . . .	---	---	---	35.2 (1.4)	39.7 (3.6)
20 years and over, crude					
Both sexes <sup>6,7</sup> . . . . .	---	---	---	22.3 (0.6)	30.3 (1.4)
Male . . . . .	---	---	---	19.5 (0.7)	27.1 (1.6)
Female <sup>6</sup> . . . . .	---	---	---	25.0 (0.9)	33.3 (1.8)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	19.9 (0.8)	27.2 (1.8)
White only, female <sup>6</sup> . . . . .	---	---	---	22.7 (1.1)	30.3 (2.1)
Black or African American only, male . . . . .	---	---	---	20.7 (1.0)	28.1 (2.6)
Black or African American only, female <sup>6</sup> . . . . .	---	---	---	36.7 (1.4)	49.4 (2.8)
Mexican male . . . . .	---	---	---	20.6 (1.2)	29.3 (2.8)
Mexican female <sup>6</sup> . . . . .	---	---	---	33.3 (1.3)	37.9 (4.1)
Male					
20–34 years . . . . .	9.2	9.7	8.9	14.1 (1.0)	24.1 (1.9)
35–44 years . . . . .	12.1	13.5	13.5	21.5 (1.2)	25.2 (3.0)
45–54 years . . . . .	12.5	13.7	16.7	23.2 (1.7)	30.1 (4.4)
55–64 years . . . . .	9.2	14.1	14.1	27.2 (2.2)	32.9 (4.1)
65–74 years . . . . .	10.4	10.9	13.2	24.1 (1.8)	33.4 (3.9)
75 years and over . . . . .	---	---	---	13.2 (2.1)	20.4 (2.8)
Female <sup>6</sup>					
20–34 years . . . . .	7.2	9.7	11.0	18.5 (1.1)	25.8 (2.6)
35–44 years . . . . .	14.7	17.7	17.8	25.5 (2.1)	33.9 (3.0)
45–54 years . . . . .	20.3	18.9	19.6	32.4 (1.9)	38.1 (4.1)
55–64 years . . . . .	24.4	24.1	22.9	33.7 (1.8)	43.1 (4.2)
65–74 years . . . . .	23.2	22.0	21.5	26.9 (1.5)	38.8 (3.8)
75 years and over . . . . .	---	---	---	19.2 (1.3)	25.1 (4.0)

See footnotes at end of table.

**Table 68 (page 3 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

Sex, age, race, and Hispanic origin <sup>1</sup>	Healthy weight <sup>9</sup>				
	1960–62	1971–74	1976–80 <sup>3</sup>	1988–94 <sup>4</sup>	1999–2000 <sup>4</sup>
20–74 years, age adjusted <sup>5</sup>					
Percent of population (standard error)					
Both sexes <sup>6,7</sup> . . . . .	51.2	48.8	49.6	41.7 (0.9)	33.6 (1.4)
Male . . . . .	48.3	43.0	45.4	37.9 (1.0)	31.8 (1.5)
Female <sup>6</sup> . . . . .	54.1	54.3	53.7	45.3 (1.1)	35.3 (2.0)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	45.3	37.4 (1.2)	31.3 (2.0)
White only, female <sup>6</sup> . . . . .	---	---	56.7	49.2 (1.4)	39.1 (2.6)
Black or African American only, male . . . . .	---	---	46.6	40.0 (1.2)	38.1 (2.2)
Black or African American only, female <sup>6</sup> . . . . .	---	---	35.0	28.9 (1.2)	22.0 (1.9)
Mexican male . . . . .	---	---	37.1	29.8 (1.1)	25.0 (2.7)
Mexican female <sup>6</sup> . . . . .	---	---	36.4	29.0 (1.7)	26.9 (2.6)
20 years and over, age adjusted <sup>5</sup>					
Both sexes <sup>6,7</sup> . . . . .	---	---	---	41.6 (0.8)	33.5 (1.3)
Male . . . . .	---	---	---	37.9 (1.0)	31.7 (1.4)
Female <sup>6</sup> . . . . .	---	---	---	45.0 (1.0)	35.3 (1.9)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	37.3 (1.1)	31.3 (1.8)
White only, female <sup>6</sup> . . . . .	---	---	---	48.7 (1.3)	39.0 (2.5)
Black or African American only, male . . . . .	---	---	---	40.1 (1.2)	37.4 (1.9)
Black or African American only, female <sup>6</sup> . . . . .	---	---	---	29.2 (1.2)	22.3 (2.0)
Mexican male . . . . .	---	---	---	30.2 (1.0)	24.8 (2.5)
Mexican female <sup>6</sup> . . . . .	---	---	---	29.7 (1.6)	26.6 (2.4)
20 years and over, crude					
Both sexes <sup>6,7</sup> . . . . .	---	---	---	42.6 (0.8)	33.9 (1.3)
Male . . . . .	---	---	---	39.4 (1.0)	32.3 (1.4)
Female <sup>6</sup> . . . . .	---	---	---	45.7 (1.0)	35.4 (1.9)
Not Hispanic or Latino:					
White only, male . . . . .	---	---	---	38.2 (1.2)	31.4 (1.8)
White only, female <sup>6</sup> . . . . .	---	---	---	48.8 (1.2)	38.6 (2.5)
Black or African American only, male . . . . .	---	---	---	41.5 (1.2)	39.3 (2.2)
Black or African American only, female <sup>6</sup> . . . . .	---	---	---	31.2 (1.3)	23.1 (2.1)
Mexican male . . . . .	---	---	---	35.2 (1.5)	27.4 (3.5)
Mexican female <sup>6</sup> . . . . .	---	---	---	32.4 (1.5)	29.1 (3.1)
Male					
20–34 years . . . . .	55.3	54.7	57.1	51.1 (1.5)	39.8 (2.5)
35–44 years . . . . .	45.2	35.2	41.3	33.4 (1.7)	31.4 (2.7)
45–54 years . . . . .	44.8	38.5	38.7	33.6 (2.0)	28.7 (3.5)
55–64 years . . . . .	44.9	38.3	38.7	28.6 (2.1)	26.5 (3.2)
65–74 years . . . . .	46.2	42.1	42.3	30.1 (2.2)	21.5 (3.3)
75 years and over . . . . .	---	---	---	40.9 (1.9)	32.7 (3.4)
Female <sup>6</sup>					
20–34 years . . . . .	67.6	65.8	65.0	57.9 (1.3)	43.9 (2.5)
35–44 years . . . . .	58.4	56.7	55.6	47.1 (2.5)	33.6 (4.0)
45–54 years . . . . .	47.6	49.3	48.7	37.2 (2.3)	33.3 (3.8)
55–64 years . . . . .	38.1	41.1	43.5	31.5 (1.5)	26.9 (3.7)
65–74 years . . . . .	36.4	40.6	37.8	37.0 (2.0)	27.7 (3.9)
75 years and over . . . . .	---	---	---	43.0 (1.6)	37.4 (3.7)

See footnotes at end of table.

**Table 68 (page 4 of 4). Overweight, obesity, and healthy weight among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

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

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-- Data not available.

<sup>1</sup>Persons of Mexican origin may be of any race. Starting with data year 1999 race-specific estimates are tabulated according to 1997 Standards for 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 1997 Standards. The 1999–2000 race-specific estimates are for persons who reported only one racial group. Prior to data year 1999, data were tabulated according to 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. The effect of the 1997 Standard on the 1999–2000 estimates can be seen by comparing 1999–2000 data tabulated according to the two Standards: Estimates based on the 1977 Standards of the percent of the population 20–74 years, age adjusted, who were overweight are: 0.2 percentage points higher for white males; 0.3 percentage points higher for white females; 0.2 percentage points lower for black males; and 0.3 percentage points higher for black females than estimates based on the 1997 Standards. See Appendix II, Race.

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

<sup>3</sup>Data for Mexicans are for 1982–84. See Appendix I, National Health and Nutrition Examination Survey (NHANES).

<sup>4</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.

<sup>5</sup>Age adjusted to the 2000 standard population using five age groups except for 1999–2000 estimates, which are age adjusted using three age groups (20–39, 40–59, and 60–74 or 60 years and over) due to a smaller sample size; however, use of three rather than five groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.

<sup>6</sup>Excludes pregnant women.

<sup>7</sup>Includes persons of all races and Hispanic origins, not just those shown separately.

<sup>8</sup>Body mass index (BMI) greater than or equal to 30.

<sup>9</sup>BMI of 18.5 to less than 25 kilograms/meter<sup>2</sup> (see Appendix II, Body mass index).

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 1960–62 to allow for weight of clothing. Some data for 1988–94 have been revised and differ from the previous edition of *Health, United States*.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).

**Table 70 (page 1 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2001	1997	1999	2001	1997	1999	2001	1997	1999	2001
	Percent distribution											
All persons <sup>2,3</sup>	16.5	17.5	16.5	46.2	45.8	45.8	23.6	23.3	24.4	13.7	13.4	13.3
Age												
Under 18 years	11.8	12.4	11.6	54.1	54.4	54.6	25.2	25.0	26.1	8.9	8.2	7.6
Under 6 years	5.0	5.9	5.5	44.9	45.9	45.8	37.0	36.8	37.9	13.0	11.3	10.8
6–17 years	15.3	15.5	14.6	58.7	58.5	58.9	19.3	19.4	20.5	6.8	6.7	6.1
18–44 years	21.7	24.2	23.3	46.7	45.8	46.1	19.0	17.8	18.9	12.6	12.3	11.8
18–24 years	22.0	24.8	25.4	46.8	46.1	44.7	20.0	17.8	19.5	11.2	11.4	10.5
25–44 years	21.6	24.0	22.6	46.7	45.7	46.5	18.7	17.8	18.7	13.0	12.6	12.2
45–64 years	16.9	16.9	15.6	42.9	42.4	42.9	24.7	25.0	25.7	15.5	15.7	15.9
45–54 years	17.9	18.4	17.1	43.9	43.2	44.9	23.4	22.8	23.6	14.8	15.7	14.4
55–64 years	15.3	14.7	13.3	41.3	41.1	39.6	26.7	28.4	28.9	16.7	15.8	18.2
65 years and over	8.9	7.9	7.1	34.7	34.3	32.3	32.5	34.1	35.6	23.8	23.7	25.0
65–74 years	9.8	8.6	8.1	36.9	36.9	35.8	31.6	33.2	33.5	21.6	21.3	22.6
75 years and over	7.7	7.2	5.8	31.8	31.1	28.2	33.8	35.1	38.1	26.6	26.6	27.9
Sex <sup>3</sup>												
Male	21.3	23.1	21.3	47.1	45.5	46.5	20.6	20.6	21.6	11.0	10.8	10.7
Female	11.8	12.0	11.9	45.4	46.1	45.1	26.5	25.9	27.1	16.3	15.9	15.9
Race <sup>3,4</sup>												
White only	16.0	16.9	15.9	46.1	45.7	45.7	23.9	23.8	24.8	14.0	13.6	13.5
Black or African American only	16.8	18.4	16.4	46.1	46.2	46.4	23.2	21.9	24.0	13.9	13.5	13.2
American Indian and Alaska Native only	17.1	20.6	*21.4	38.0	34.3	36.4	24.2	27.8	25.4	20.7	17.2	16.9
Asian only	22.8	23.1	20.8	49.1	47.3	48.3	19.7	19.4	22.3	8.3	10.2	8.6
Native Hawaiian and Other Pacific Islander only	---	*	*	---	*	*	---	*	*	---	*	*
2 or more races	---	15.2	18.0	---	40.8	41.2	---	22.2	23.5	---	21.8	17.3
Hispanic origin and race <sup>3,4</sup>												
Hispanic or Latino	24.9	26.2	27.0	42.3	44.3	40.2	20.3	19.2	20.7	12.5	10.3	12.0
Mexican	28.9	30.2	31.4	40.8	43.0	39.2	18.5	18.2	19.6	11.8	8.7	9.8
Not Hispanic or Latino	15.4	16.2	15.0	46.7	46.0	46.5	24.0	23.9	25.0	13.9	13.9	13.5
White only	14.7	15.5	14.3	46.6	46.0	46.4	24.4	24.5	25.4	14.3	14.1	13.9
Black or African American only	16.9	18.4	16.4	46.1	46.2	46.4	23.1	21.9	24.0	13.8	13.5	13.1
Respondent-assessed health status <sup>3</sup>												
Fair or poor	7.8	9.8	9.0	23.3	25.9	22.1	29.0	24.3	27.7	39.9	40.1	41.3
Good to excellent	17.2	18.1	17.3	48.4	47.7	48.0	23.3	23.2	24.3	11.1	11.0	10.5
Poverty status <sup>3,5</sup>												
Poor	20.3	21.5	21.7	37.1	39.2	37.2	22.7	21.3	23.4	19.9	18.0	17.7
Near poor	19.9	22.2	20.4	42.8	41.6	41.4	21.8	21.5	22.9	15.5	14.7	15.3
Nonpoor	14.0	14.9	14.0	48.0	47.0	47.4	25.0	25.0	25.8	13.0	13.1	12.8

See footnotes at end of table.

**Table 70 (page 2 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2001	1997	1999	2001	1997	1999	2001	1997	1999	2001
Hispanic origin and race and poverty status <sup>3,4,5</sup>												
Percent distribution												
Hispanic or Latino:												
Poor . . . . .	30.6	31.2	34.3	33.8	38.2	32.7	20.0	18.7	18.1	15.6	11.8	14.9
Near poor . . . . .	29.1	30.2	28.9	39.0	42.1	39.3	20.9	17.5	20.2	11.0	10.1	11.6
Nonpoor . . . . .	18.7	21.0	19.9	48.6	46.8	44.6	20.3	21.9	24.7	12.3	10.2	10.8
Not Hispanic or Latino:												
White only:												
Poor . . . . .	16.3	17.2	16.2	37.7	38.9	38.7	24.0	23.3	26.4	22.1	20.7	18.8
Near poor . . . . .	17.1	19.8	17.1	43.7	40.8	41.3	22.3	23.3	24.1	17.0	16.1	17.6
Nonpoor . . . . .	13.2	14.0	13.1	47.6	46.9	47.5	25.7	25.5	26.1	13.4	13.6	13.3
Black or African American only:												
Poor . . . . .	17.8	18.0	17.3	37.4	39.9	38.1	23.3	23.1	24.0	21.5	19.0	20.5
Near poor . . . . .	18.9	19.9	18.1	43.0	44.0	44.9	23.4	20.5	23.4	14.7	15.6	13.6
Nonpoor . . . . .	15.6	16.3	14.6	50.5	48.2	47.4	23.3	23.7	26.6	10.6	11.8	11.4
Health insurance status <sup>6,7</sup>												
Under 65 years of age:												
Insured . . . . .	14.3	15.4	14.1	49.0	48.6	49.1	23.6	23.2	24.2	13.1	12.7	12.6
Private . . . . .	14.7	15.9	14.4	50.6	49.9	50.6	23.1	22.9	24.0	11.6	11.3	11.0
Medicaid . . . . .	9.8	10.7	10.4	35.5	35.6	35.4	26.5	26.0	26.3	28.2	27.6	27.8
Uninsured . . . . .	33.7	37.3	37.5	42.8	41.6	41.4	15.3	13.2	14.6	8.2	7.9	6.5
65 years of age and over:												
Medicare HMO . . . . .	8.9	5.7	5.0	35.8	34.2	30.0	33.1	34.6	41.1	22.3	25.5	23.9
Private . . . . .	7.3	6.7	5.5	35.9	34.9	34.6	34.0	34.9	35.2	22.7	23.5	24.8
Medicaid . . . . .	9.3	*7.3	6.1	19.2	21.4	18.7	27.9	34.8	31.6	43.7	36.5	43.5
Medicare fee-for-service only . . . . .	15.5	14.0	14.1	34.0	35.8	30.5	28.1	31.0	34.2	22.4	19.2	21.2
Poverty status and health insurance status <sup>5,6,7</sup>												
Under 65 years of age:												
Poor:												
Insured . . . . .	13.7	14.6	14.0	38.8	41.4	41.1	24.5	23.2	24.9	22.9	20.7	20.0
Uninsured . . . . .	36.7	39.8	43.2	38.8	39.3	34.6	14.9	12.6	15.3	9.5	8.3	6.9
Near poor:												
Insured . . . . .	15.6	17.0	15.8	45.5	44.9	44.7	22.3	22.6	22.7	16.6	15.5	16.8
Uninsured . . . . .	34.5	38.0	35.3	41.8	40.2	40.9	15.6	13.4	16.6	8.1	8.4	7.2
Nonpoor:												
Insured . . . . .	13.4	14.7	13.6	50.3	49.1	49.8	24.2	24.2	25.0	12.1	12.0	11.6
Uninsured . . . . .	29.1	32.9	31.9	45.4	43.7	46.0	17.0	14.6	15.5	8.4	8.8	6.6
Geographic region <sup>3</sup>												
Northeast . . . . .	13.2	12.8	11.8	45.9	46.4	47.2	26.0	25.6	26.6	14.9	15.2	14.3
Midwest . . . . .	15.9	16.2	14.9	47.7	46.7	47.2	22.8	23.8	24.0	13.6	13.3	13.9
South . . . . .	17.2	18.9	17.7	46.1	45.5	45.2	23.3	22.5	24.4	13.5	13.2	12.8
West . . . . .	19.1	20.9	20.5	44.8	44.8	44.1	22.8	21.9	22.8	13.3	12.4	12.7

See footnotes at end of table.



**Table 70 (page 3 of 3). Health care visits to doctor's offices, emergency departments, and home visits within the past 12 months, according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2001	1997	1999	2001	1997	1999	2001	1997	1999	2001
Location of residence <sup>3</sup>	Percent distribution											
Within MSA <sup>8</sup>	16.2	17.4	16.4	46.4	45.9	45.7	23.7	23.4	24.6	13.7	13.2	13.2
Outside MSA <sup>8</sup>	17.3	17.7	16.7	45.4	45.1	46.1	23.3	22.9	23.6	13.9	14.4	13.6

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

--- Data not available.

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

<sup>2</sup>Includes all other races not shown separately, unknown poverty status, 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 and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category "Asian only" included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standard of the percent of persons with a specified number of health care contacts are: (no visits) identical for white and black persons; 0.1 percentage points higher for AI/AN persons; 0.4 percentage points lower for Asian and Pacific Islander persons; (1–3 visits) identical for white persons; 0.1 percentage points lower for black persons; 1.3 percentage points higher for AI/AN persons; 0.1 percentage points lower for Asian and Pacific Islander persons; (4–9 visits) identical for white persons; 0.2 percentage points higher for black persons; 2.2 percentage points lower for AI/AN persons; 0.4 percentage points higher for Asian and Pacific Islander persons; (10 or more visits) identical for white and black persons; 0.9 percentage points higher for AI/AN persons; and 0.1 percentage points higher for Asian and Pacific Islander persons than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>5</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, 27 percent in 2000, and 28 percent in 2001. See Appendix II, Family income; Poverty level.

<sup>6</sup>Estimates for persons under 65 years of age are age adjusted to the year 2000 standard using four age groups: Under 18 years, 18–44 years, 45–54 years, and 55–64 years of age. Estimates for persons 65 years of age and over are age adjusted to the year 2000 standard using two age groups: 65–74 years and 75 years and over. 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. Persons 65 years of age and over who reported Medicare HMO (health maintenance organization) and some other type of health insurance coverage are classified as having Medicare HMO. Starting in 1997 Medicaid includes state-sponsored health plans and State Children's Health Insurance Program (SCHIP). The category "insured" also includes military, other State, and Medicare coverage. See Appendix II, Health insurance coverage.

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

NOTES: Some numbers in this table for health insurance estimates were revised and differ from previous editions of *Health, United States*. In 1997 the National Health Interview Survey questionnaire was redesigned. See Appendix I, National Health Interview Survey. Data for additional years are available (see Appendix III). Standard errors for selected years are available in the spreadsheet version of this table. See [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 and sample adult questionnaires.

**Table 77 (page 1 of 2). Emergency department visits within the past 12 months among adults 18 years of age and over, according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2000	2001	1997	1999	2000	2001
Percent of adults with emergency department visit <sup>1</sup>								
All adults 18 years of age and over <sup>2,3</sup>	19.6	17.2	20.2	19.7	6.7	5.2	6.9	6.4
Age								
18–44 years	20.7	17.7	20.6	19.8	6.8	5.6	7.0	6.5
18–24 years	26.3	21.7	25.9	24.0	9.1	7.3	8.9	8.7
25–44 years	19.0	16.5	18.9	18.4	6.2	5.0	6.4	5.8
45–64 years	16.2	14.6	17.6	18.0	5.6	4.3	5.6	5.6
45–54 years	15.7	14.3	17.9	17.7	5.5	4.3	5.8	5.5
55–64 years	16.9	15.1	17.0	18.5	5.7	4.3	5.3	5.9
65 years and over	22.0	19.9	23.7	22.3	8.1	5.6	8.6	7.5
65–74 years	20.3	17.3	21.6	19.7	7.1	4.7	7.4	7.1
75 years and over	24.3	23.1	26.2	25.4	9.3	6.7	10.1	8.0
Sex <sup>3</sup>								
Male	19.1	16.1	18.8	18.9	5.9	4.3	5.8	5.7
Female	20.2	18.2	21.6	20.5	7.5	6.0	8.0	7.2
Race <sup>3,4</sup>								
White only	19.0	16.6	19.4	19.1	6.2	4.7	6.4	6.1
Black or African American only	25.9	22.2	26.5	25.2	11.1	8.8	10.7	9.4
American Indian and Alaska Native only	24.8	29.2	30.5	33.9	13.1	*11.7	*12.8	15.5
Asian only	11.6	9.7	13.6	12.7	*2.9	*	*3.8	*2.6
Native Hawaiian and Other Pacific Islander only	---	*	*	*	---	*	*	*
2 or more races	---	24.4	32.9	25.5	---	11.4	11.4	8.8
American Indian and Alaska Native; White	---	26.0	33.9	25.4	---	*13.9	*9.2	*6.1
Hispanic origin and race <sup>3,4</sup>								
Hispanic or Latino	19.2	15.3	18.4	18.4	7.4	4.5	7.1	7.0
Mexican American	17.8	14.4	17.4	15.6	6.4	4.1	7.1	5.6
Not Hispanic or Latino	19.7	17.5	20.6	20.0	6.7	5.3	6.9	6.4
White only	19.1	16.9	19.8	19.4	6.2	4.8	6.4	6.1
Black or African American only	25.9	22.2	26.5	25.3	11.0	8.8	10.7	9.4
Poverty status <sup>3,5</sup>								
Poor	29.2	27.6	30.2	27.5	13.7	11.7	14.3	13.1
Near poor	24.9	21.7	25.1	26.2	10.0	8.0	10.6	10.4
Nonpoor	17.5	15.4	18.6	18.2	5.0	4.1	5.3	5.1
Hispanic origin and race and poverty status <sup>3,4,5</sup>								
Hispanic or Latino:								
Poor	22.9	17.1	24.4	19.9	10.2	6.6	11.3	10.1
Near poor	19.2	15.9	19.4	20.1	8.4	5.0	7.6	7.7
Nonpoor	17.9	14.5	17.1	17.6	5.5	3.8	6.1	5.3
Not Hispanic or Latino:								
White only:								
Poor	30.8	29.4	30.6	29.6	14.1	11.7	14.3	13.7
Near poor	25.5	22.2	26.8	27.9	9.8	7.6	11.5	11.0
Nonpoor	17.2	15.5	18.2	18.0	4.8	4.1	5.0	5.1
Black or African American only:								
Poor	35.5	33.5	38.0	32.1	17.9	16.8	19.0	15.7
Near poor	30.8	27.8	29.9	28.8	12.9	13.0	13.1	12.8
Nonpoor	20.7	18.4	24.1	22.3	7.8	5.7	8.4	7.0
Health insurance status <sup>6,7</sup>								
18–64 years of age:								
Insured	18.8	16.1	19.5	19.2	6.1	4.7	6.4	6.2
Private	16.9	14.5	17.6	17.2	4.7	3.7	5.1	4.7
Medicaid	37.6	35.4	42.3	39.7	19.7	17.4	21.0	21.7
Uninsured	20.0	18.3	19.6	18.9	7.5	7.0	7.0	6.6
65 years of age and over:								
Medicare HMO	20.2	20.1	24.4	23.6	6.7	5.7	8.5	8.8
Private	21.3	19.3	23.3	21.0	6.9	5.3	7.9	6.4
Medicaid	35.2	30.0	35.9	36.0	20.2	12.8	18.3	18.7
Medicare fee-for-service only	22.0	19.2	20.1	21.5	9.4	4.4	7.3	6.9

See footnotes at end of table.

**Table 77 (page 2 of 2). Emergency department visits within the past 12 months among adults 18 years of age and over, according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2000	2001	1997	1999	2000	2001
Poverty status and health insurance status <sup>5,6</sup>								
Percent of adults with emergency department visit <sup>1</sup>								
18–64 years of age:								
Poor:								
Insured . . . . .	32.1	29.8	33.6	30.8	15.9	13.3	17.4	15.5
Uninsured . . . . .	24.4	22.7	26.0	20.0	10.0	10.3	10.6	8.5
Near poor:								
Insured . . . . .	26.6	23.1	27.3	28.0	10.3	8.7	11.6	11.7
Uninsured . . . . .	21.3	18.6	20.1	23.6	9.1	7.5	7.7	9.0
Nonpoor:								
Insured . . . . .	16.6	14.7	17.6	17.2	4.5	3.7	4.9	4.6
Uninsured . . . . .	19.0	16.3	19.2	17.8	5.4	6.5	6.4	5.0
Geographic region <sup>3</sup>								
Northeast . . . . .	19.5	16.9	20.0	19.8	6.9	5.1	6.2	6.1
Midwest . . . . .	19.3	17.2	20.1	19.6	6.2	5.1	6.9	6.0
South . . . . .	20.9	17.7	21.3	20.9	7.3	5.7	7.6	7.3
West . . . . .	17.7	16.4	18.7	17.6	6.0	4.5	6.3	5.6
Location of residence <sup>3</sup>								
Within MSA <sup>8</sup> . . . . .	19.1	16.6	19.6	19.4	6.4	4.9	6.6	6.3
Outside MSA <sup>8</sup> . . . . .	21.5	19.5	22.5	21.3	7.8	6.4	7.8	7.0

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

--- Data not available.

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

<sup>2</sup>Includes all other races not shown separately, unknown poverty status, 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 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 and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data years 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standard of the percent of adults with 1 or more emergency department visits are: 0.1 percentage points higher for white and black adults; 2.0 percentage points lower for AI/AN adults; and 0.3 percentage points higher for Asian and Pacific Islander adults than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>5</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Poverty status was unknown for 22 percent of adults in the sample in 1997, 27 percent in 1998, 29 percent in 1999 and 2000, and 30 percent in 2001. See Appendix II, Family income; Poverty level.

<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. Estimates for persons 65 years of age and over are age adjusted to the year 2000 Standard using two age groups: 65–74 years and 75 years and over. 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. Persons 65 years of age and over who reported Medicare HMO (health maintenance organization) and some other type of health insurance coverage are classified as having Medicare HMO. Starting in 1997 Medicaid includes state-sponsored health plans and State Child Health Insurance Program (SCHIP). The category “insured” also includes military, other State, and Medicare coverage. See Appendix II, Health insurance coverage.

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

NOTES: Some numbers in this table for health insurance estimates were revised and differ from previous editions of *Health, United States*. Data for additional years are available (see Appendix III). Standard errors for selected years are available in the spreadsheet version of this table. See [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 and sample adult questionnaires.

**Table 78 (page 1 of 2). Dental visits in the past year according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2001	1997	1999	2001	1997	1999	2001	1997	1999	2001
Percent of persons with a dental visit in the past year <sup>3</sup>												
Total <sup>4</sup> . . . . .	64.9	65.2	65.6	72.7	72.6	73.3	64.1	64.6	64.6	54.8	55.0	56.3
Sex												
Male . . . . .	62.6	62.5	62.6	72.3	72.3	72.7	60.4	60.4	60.2	55.4	54.7	56.1
Female . . . . .	67.2	67.8	68.5	73.0	72.8	73.9	67.7	68.5	68.9	54.4	55.2	56.5
Race <sup>5</sup>												
White only . . . . .	66.5	67.2	67.4	74.0	74.5	74.9	65.7	66.6	66.6	56.8	56.8	58.5
Black or African American only . . . . .	56.5	56.2	56.9	68.8	67.6	68.0	57.0	55.8	57.2	35.4	39.7	37.5
American Indian and Alaska Native only . . . . .	51.5	56.2	53.9	66.8	58.2	72.9	49.9	55.2	47.7	*	*50.6	*50.7
Asian only . . . . .	61.8	63.6	64.9	69.9	69.6	74.4	60.3	63.1	64.3	53.9	53.2	53.4
Native Hawaiian and Other Pacific Islander only . . . . .	---	*	*	---	*	*	---	*	*	---	*	*
2 or more races . . . . .	---	58.6	56.3	---	73.0	69.3	---	57.8	57.1	---	*35.1	*34.5
Black or African American; White . . . . .	---	63.7	52.7	---	68.7	57.6	---	58.8	55.5	---	*	*
American Indian and Alaska Native; White . . . . .	---	55.8	58.7	---	70.3	79.2	---	53.5	53.6	---	*	*39.0
Hispanic origin and race <sup>5</sup>												
Hispanic or Latino . . . . .	52.9	52.3	51.2	61.0	59.3	60.5	50.8	50.6	49.2	47.8	44.0	42.6
Not Hispanic or Latino . . . . .	66.4	66.9	67.5	74.7	74.9	75.8	65.7	66.3	66.7	55.2	55.6	57.2
White only . . . . .	68.2	68.9	69.6	76.4	77.0	77.8	67.5	68.3	68.7	57.2	57.3	59.4
Black or African American only . . . . .	56.5	56.1	56.9	68.8	67.7	68.1	56.9	55.7	57.1	35.3	39.6	37.6
Poverty status <sup>6</sup>												
Poor . . . . .	47.2	46.2	47.0	62.0	57.8	61.0	46.4	46.0	45.8	30.3	31.9	30.6
Near poor . . . . .	48.9	48.5	49.7	61.6	61.6	63.2	46.4	46.1	46.9	39.6	38.9	40.0
Nonpoor . . . . .	72.3	72.0	72.0	79.7	79.9	79.3	71.1	70.8	70.5	66.3	64.4	67.0
Hispanic origin and race and poverty status <sup>5,6</sup>												
Hispanic or Latino:												
Poor . . . . .	41.9	41.5	38.7	56.8	49.6	54.2	39.0	39.7	35.1	33.0	32.1	29.8
Near poor . . . . .	46.2	43.8	43.2	54.1	54.0	59.2	42.6	41.0	39.8	49.2	34.8	30.6
Nonpoor . . . . .	65.1	63.8	64.4	74.8	72.0	71.1	62.5	62.0	62.8	56.5	58.9	60.8
Not Hispanic or Latino:												
White only:												
Poor . . . . .	49.9	49.8	51.5	63.3	62.6	62.9	50.3	50.6	52.1	31.1	31.9	32.3
Near poor . . . . .	51.0	50.2	52.9	64.8	63.2	64.4	48.2	48.0	51.0	41.2	39.6	42.1
Nonpoor . . . . .	73.6	73.6	73.7	80.7	81.8	81.7	72.5	72.4	72.0	67.6	65.4	68.6
Black or African American only:												
Poor . . . . .	46.7	44.9	45.1	66.7	61.0	63.2	44.5	42.1	42.9	26.2	33.5	25.2
Near poor . . . . .	44.9	47.6	47.3	60.1	66.3	64.2	44.7	45.2	44.9	23.6	30.9	33.4
Nonpoor . . . . .	65.4	64.2	64.1	75.5	72.7	72.4	66.2	64.7	65.4	48.9	51.5	46.1

See footnotes at end of table.

**Table 78 (page 2 of 2). Dental visits in the past year according to selected characteristics: United States, selected years 1997–2001**

[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	1999	2001	1997	1999	2001	1997	1999	2001	1997	1999	2001
Geographic region												
Percent of persons with a dental visit in the past year <sup>3</sup>												
Northeast . . . . .	69.6	70.9	72.2	77.5	78.5	79.6	69.6	71.5	72.2	55.5	54.3	59.6
Midwest . . . . .	68.3	68.1	68.4	76.4	76.8	77.4	67.4	67.6	68.0	57.6	54.3	55.0
South . . . . .	60.0	60.6	60.2	68.0	68.0	68.8	59.4	59.4	58.7	49.0	52.4	52.0
West . . . . .	64.9	64.7	65.7	71.5	69.9	70.7	62.9	63.3	64.4	61.9	61.9	62.6
Location of residence												
Within MSA <sup>7</sup> . . . . .	66.5	67.1	67.0	73.6	73.1	73.9	65.7	66.8	66.0	57.6	58.1	59.1
Outside MSA <sup>7</sup> . . . . .	59.1	58.3	60.3	69.3	70.7	70.7	58.0	56.2	59.1	46.1	45.0	47.2

\*Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20–30 percent. Data not shown have a RSE greater than 30 percent.  
 - - - Data not available.  
<sup>1</sup>Estimates are age adjusted to the year 2000 standard 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>Estimates for the elderly are the percent of persons 65 years of age and over with a dental visit in the past year. Data from the 1997–2001 National Health Interview Survey estimate that 28–30 percent of persons 65 years of age and over (elderly) were edentulous (having lost all their natural teeth). In 1997–2001 about 70 percent of elderly dentate persons compared with 17–20 percent of elderly 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 and unknown poverty status.  
<sup>5</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standard of the percent of persons with a recent dental visit are: 0.1 percentage points lower for white and black persons; identical for AI/AN persons; and 0.2 percentage points lower for Asian and Pacific Islander persons than estimates based on the 1997 Standards. See Appendix II, Race.  
<sup>6</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Poverty status was unknown for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, 27 percent in 2000, and 28 percent in 2001. See Appendix II, Family income; Poverty level.  
<sup>7</sup>MSAs are metropolitan statistical areas.

NOTES: In 1997 the National Health Interview Survey questionnaire was redesigned. See Appendix I, National Health Interview Survey. Data for additional years are available (see Appendix III). Standard errors for selected years are available in the spreadsheet version of this table. See [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 child and sample adult questionnaires.

**Table 79. Untreated dental caries according to age, sex, race and Hispanic origin, and poverty status: United States, 1971–74, 1982–84, and 1988–94**

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

Sex, race and Hispanic origin, and poverty status	2–5 years			6–17 years			18–64 years			65–74 years		
	1971–1974	1982–1984	1988–1994	1971–1974	1982–1984	1988–1994	1971–1974	1982–1984	1988–1994	1971–1974	1982–1984	1988–1994
Percent of persons with untreated dental caries												
Total <sup>1</sup> . . . . .	24.4	---	18.7	55.0	---	23.1	48.4	---	28.2	29.7	---	25.4
Sex												
Male . . . . .	26.1	---	19.2	54.8	---	22.6	48.4	---	31.2	30.2	---	29.9
Female . . . . .	22.7	---	18.1	55.2	---	23.7	48.5	---	25.3	28.3	---	21.5
Race and Hispanic origin <sup>2</sup>												
Not Hispanic or Latino:												
White . . . . .	23.7	---	14.4	52.3	---	18.9	45.2	---	23.6	28.1	---	22.7
Black or African American . . . . .	28.2	---	25.1	70.9	---	33.0	68.1	---	47.9	41.5	---	46.7
Mexican . . . . .	---	23.1	34.9	---	42.8	37.2	---	45.4	39.9	---	44.3	43.8
Poverty status <sup>3</sup>												
Poor . . . . .	30.7	---	28.8	70.4	---	36.3	63.6	---	47.3	34.3	---	46.7
Near poor . . . . .	29.8	---	24.3	60.2	---	29.2	56.3	---	42.7	35.6	---	39.3
Nonpoor . . . . .	17.5	---	9.7	46.3	---	14.5	43.1	---	19.5	26.2	---	19.4
Race, Hispanic origin, and poverty status <sup>2,3</sup>												
Not Hispanic or Latino:												
White:												
Poor . . . . .	31.9	---	25.4	68.1	---	32.5	58.4	---	42.3	33.3	---	39.0
Near poor and nonpoor . . . . .	22.1	---	12.4	50.3	---	16.7	44.3	---	21.6	28.0	---	22.7
Black or African American:												
Poor . . . . .	29.0	---	27.5	73.4	---	35.6	73.1	---	59.0	39.8	---	50.1
Near poor and nonpoor . . . . .	26.5	---	23.0	67.4	---	31.2	65.8	---	43.4	41.1	---	43.6
Mexican:												
Poor . . . . .	---	22.6	38.5	---	46.4	45.8	---	56.3	52.4	---	54.4	55.5
Near poor and nonpoor . . . . .	---	22.0	30.5	---	39.3	27.6	---	41.0	31.5	---	30.8	35.6

--- Data not available.

<sup>1</sup>Includes all other races not shown separately and unknown poverty status.

<sup>2</sup>In 1971–74, data are for white persons and black persons. Persons of Mexican origin may be of any race.

<sup>3</sup>Poverty status is based on family income and family size. Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Persons with unknown poverty status are excluded (4 percent in 1971–74, 8 percent in 1982–84, and 6 percent in 1988–94). See Appendix II, Family income; Poverty level.

NOTES: 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 the elderly are 46 percent in 1971–74, 37 percent in 1982–84, and 33 percent in 1988–94.

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey (NHANES) I, Hispanic Health and Nutrition Examination Survey, and NHANES III.

**Table 80 (page 1 of 2). Use of mammography for women 40 years of age and over according to selected characteristics: United States, selected years 1987–2000**

[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>1993</i>	<i>1994</i>	<i>1998</i>	<i>1999</i>	<i>2000</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	59.7	61.0	67.0	70.3	70.3
40 years and over, crude <sup>2</sup> . . . . .	28.7	51.4	54.6	59.7	60.9	66.9	70.3	70.3
Age								
40–49 years . . . . .	31.9	55.1	55.6	59.9	61.3	63.4	67.2	64.2
50–64 years . . . . .	31.7	56.0	60.3	65.1	66.5	73.7	76.5	78.6
65 years and over . . . . .	22.8	43.4	48.1	54.2	55.0	63.8	66.8	68.0
65–74 years . . . . .	26.6	48.7	55.7	64.2	63.0	69.4	73.9	74.0
75 years and over . . . . .	17.3	35.8	37.8	41.0	44.6	57.2	58.9	61.3
Race <sup>4</sup>								
40 years and over, crude:								
White only . . . . .	29.6	52.2	55.6	60.0	60.6	67.4	70.6	71.4
Black or African American only . . . . .	24.0	46.4	48.0	59.1	64.3	66.0	71.0	67.8
American Indian and Alaska Native only . . . . .	*	43.2	54.5	49.8	65.8	45.2	63.0	47.3
Asian only . . . . .	*	46.0	45.9	55.1	55.8	60.2	58.3	53.3
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	---	---	---	*	*
2 or more races . . . . .	---	---	---	---	---	---	70.2	69.2
Hispanic origin and race <sup>4</sup>								
40 years and over, crude:								
Hispanic or Latino . . . . .	18.3	45.2	49.2	50.9	51.9	60.2	65.7	61.4
Not Hispanic or Latino . . . . .	29.4	51.8	54.9	60.3	61.5	67.5	70.7	71.0
White only . . . . .	30.3	52.7	56.0	60.6	61.3	68.0	71.1	72.1
Black or African American only . . . . .	23.8	46.0	47.7	59.2	64.4	66.0	71.0	67.9
Age, Hispanic origin, and race <sup>4</sup>								
40–49 years:								
Hispanic or Latino . . . . .	*15.3	45.1	44.0	52.6	47.5	55.2	61.6	54.2
Not Hispanic or Latino:								
White only . . . . .	34.3	57.0	58.1	61.6	62.0	64.4	68.3	67.1
Black or African American only . . . . .	27.8	48.4	48.0	55.6	67.2	65.0	69.2	60.9
50–64 years:								
Hispanic or Latino . . . . .	23.0	47.5	61.7	59.2	60.1	67.2	69.7	66.4
Not Hispanic or Latino:								
White only . . . . .	33.6	58.1	61.5	66.2	67.5	75.3	77.9	80.5
Black or African American only . . . . .	26.4	48.4	52.4	65.5	63.6	71.2	75.0	77.7
65 years and over:								
Hispanic or Latino . . . . .	*	41.1	40.9	*35.7	48.0	59.0	67.2	68.2
Not Hispanic or Latino:								
White only . . . . .	24.0	43.8	49.1	54.7	54.9	64.3	66.8	68.3
Black or African American only . . . . .	14.1	39.7	41.6	56.3	61.0	60.6	68.1	65.5
Age and poverty status <sup>5</sup>								
40 years and over, crude:								
Poor . . . . .	16.4	30.8	35.2	41.1	44.2	50.5	56.9	55.2
Near poor or nonpoor . . . . .	31.3	54.1	57.5	61.8	63.4	69.3	71.5	72.2
40–49 years:								
Poor . . . . .	23.0	32.2	33.0	36.1	43.0	44.9	52.5	47.2
Near poor or nonpoor . . . . .	33.4	57.0	58.1	62.1	63.4	65.0	68.7	65.9
50–64 years:								
Poor . . . . .	15.1	29.9	37.3	47.3	46.2	53.5	61.1	62.7
Near poor or nonpoor . . . . .	34.3	58.5	63.0	66.8	68.8	76.7	77.4	80.6
65 years and over:								
Poor . . . . .	13.6	30.8	35.2	40.4	43.9	52.3	57.3	55.4
Near poor or nonpoor . . . . .	25.5	46.2	51.1	56.4	57.7	66.2	67.8	70.0

See footnotes at end of table.



**Table 80 (page 2 of 2). Use of mammography for women 40 years of age and over according to selected characteristics: United States, selected years 1987–2000**

[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>1993</i>	<i>1994</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>
<i>Age and education<sup>6</sup></i>		<i>Percent of women having a mammogram within the past 2 years<sup>1</sup></i>						
<i>40 years and over, crude:</i>								
No high school diploma or GED . . . . .	17.8	36.4	40.0	46.4	48.2	54.5	56.7	57.7
High school diploma or GED . . . . .	31.3	52.7	55.8	59.0	61.0	66.7	69.2	69.6
Some college or more . . . . .	37.7	62.8	65.2	69.5	69.7	72.8	77.3	76.1
<i>40–49 years of age:</i>								
No high school diploma or GED . . . . .	15.1	38.5	40.8	43.6	50.4	47.3	48.8	46.9
High school diploma or GED . . . . .	32.6	53.1	52.0	56.6	55.8	59.1	60.8	59.0
Some college or more . . . . .	39.2	62.3	63.7	66.1	68.7	68.3	74.4	70.5
<i>50–64 years of age:</i>								
No high school diploma or GED . . . . .	21.2	41.0	43.6	51.4	51.6	58.8	62.3	66.3
High school diploma or GED . . . . .	33.8	56.5	60.8	62.4	67.8	73.3	77.2	76.6
Some college or more . . . . .	40.5	68.0	72.7	78.5	74.7	79.8	81.2	84.1
<i>65 years of age and over:</i>								
No high school diploma or GED . . . . .	16.5	33.0	37.7	44.2	45.6	54.7	56.6	57.5
High school diploma or GED . . . . .	25.9	47.5	54.0	57.4	59.1	66.8	68.4	72.0
Some college or more . . . . .	32.3	56.7	57.9	64.8	64.3	71.3	77.1	74.1

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

--- 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, and unknown education.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard 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 and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Estimates based on the 1977 Standard of the percent of women 40 years of age and over with a recent mammogram are: 0.1 percentage points higher for white women; 0.2 percentage points higher for black women; 3.6 percentage points lower for AI/AN women; and 1.1 percentage points higher for Asian and Pacific Islander women than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>5</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Missing family income data were imputed for 13–16 percent of adults in the sample in 1990–94. Poverty status was unknown for 25 percent of persons in the sample in 1998, 28 percent in 1999, and 27 percent in 2000. See Appendix II, Family income; Poverty level.

<sup>6</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 for selected years are available in the spreadsheet version of this table. See [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.

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 (1990–91), and year 2000 objectives (1993–94). Starting in 1998 data are from the family core and sample adult questionnaires.

**Table 81 (page 1 of 2). Use of Pap smears for women 18 years of age and over according to selected characteristics: United States, selected years 1987–2000**

[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>
	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	77.5	76.6	79.2	80.8	81.4
18 years and over, crude <sup>2</sup> . . . . .	74.4	77.6	76.6	79.1	80.8	81.3
Age						
18–49 years . . . . .	82.6	84.2	82.4	84.4	86.5	85.2
50–64 years . . . . .	68.2	74.4	75.6	79.9	80.2	83.7
65 years and over . . . . .	50.8	58.0	57.6	59.8	61.0	64.6
65–74 years . . . . .	57.9	64.7	64.9	67.0	70.0	71.6
75 years and over . . . . .	40.4	47.8	47.3	51.2	50.8	56.8
Race <sup>4</sup>						
18 years and over, crude:						
White only . . . . .	74.1	77.2	76.3	78.9	80.6	81.4
Black or African American only . . . . .	80.7	82.6	83.0	84.2	85.7	85.1
American Indian and Alaska Native only . . . . .	85.4	78.2	73.3	74.6	92.2	76.9
Asian only . . . . .	51.9	69.6	67.2	68.5	64.4	66.3
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	---	*	*
2 or more races . . . . .	---	---	---	---	86.9	80.2
Hispanic origin and race <sup>4</sup>						
18 years and over, crude:						
Hispanic or Latino . . . . .	67.6	77.2	74.3	75.2	76.3	76.9
Not Hispanic or Latino . . . . .	74.9	77.6	76.9	79.6	81.3	81.8
White only . . . . .	74.7	77.2	76.5	79.3	81.0	81.9
Black or African American only . . . . .	80.9	82.7	83.3	84.2	86.0	85.2
Age, Hispanic origin, and race <sup>4</sup>						
18–49 years:						
Hispanic or Latino . . . . .	74.2	81.1	80.1	77.0	77.5	78.5
Not Hispanic or Latino:						
White only . . . . .	83.3	84.7	82.6	85.5	88.1	86.7
Black or African American only . . . . .	89.3	87.8	89.2	88.9	90.3	88.5
50–64 years:						
Hispanic or Latino . . . . .	50.7	72.3	67.6	76.6	78.4	75.9
Not Hispanic or Latino:						
White only . . . . .	70.1	74.8	76.1	80.4	80.4	85.0
Black or African American only . . . . .	70.9	77.9	78.5	81.6	82.9	83.9
65 years and over:						
Hispanic or Latino . . . . .	41.7	57.3	44.1	59.8	63.7	66.9
Not Hispanic or Latino:						
White only . . . . .	51.8	57.5	58.4	59.7	60.5	64.3
Black or African American only . . . . .	44.8	61.5	60.9	61.7	64.5	67.3
Age and poverty status <sup>5</sup>						
18 years and over, crude:						
Below poverty . . . . .	64.2	69.4	68.1	69.4	73.9	72.1
Near or nonpoor . . . . .	77.0	78.8	78.2	81.7	82.9	83.5
18–49 years:						
Below poverty . . . . .	76.6	76.1	78.0	76.8	79.8	76.5
Near or nonpoor . . . . .	84.0	85.7	83.3	86.1	88.1	86.8
50–64 years:						
Below poverty . . . . .	50.5	62.2	57.9	63.6	72.1	73.0
Near or nonpoor . . . . .	70.8	75.5	77.6	82.7	80.9	84.4
65 years and over:						
Below poverty . . . . .	33.2	47.2	44.3	47.1	50.7	53.7
Near or nonpoor . . . . .	55.8	59.6	60.8	62.2	62.6	67.4

See footnotes at end of table.

**Table 81 (page 2 of 2). Use of Pap smears for women 18 years of age and over according to selected characteristics: United States, selected years 1987–2000**

[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>
<b>Age and education<sup>6</sup></b>						
<b>Percent of women having a Pap smear within the past 3 years<sup>1</sup></b>						
<b>25 years and over, crude:</b>						
No high school diploma or GED . . . . .	57.1	61.8	60.7	65.0	66.1	70.0
High school diploma or GED . . . . .	76.4	78.1	75.8	77.4	79.3	79.9
Some college or more . . . . .	84.0	84.3	85.1	86.9	87.8	88.1
<b>25–49 years of age:</b>						
No high school diploma or GED . . . . .	73.8	73.3	71.8	76.9	77.6	80.1
High school diploma or GED . . . . .	84.1	84.8	80.9	83.7	86.3	85.4
Some college or more . . . . .	89.4	89.2	88.9	90.6	92.3	91.0
<b>50–64 years of age:</b>						
No high school diploma or GED . . . . .	55.0	63.4	65.7	66.8	71.9	73.3
High school diploma or GED . . . . .	70.9	75.2	75.7	80.2	79.2	81.4
Some college or more . . . . .	78.7	80.6	81.9	84.8	83.8	88.8
<b>65 years of age and over:</b>						
No high school diploma or GED . . . . .	44.0	50.8	48.0	52.4	51.8	56.7
High school diploma or GED . . . . .	55.4	61.9	61.4	60.7	63.7	67.0
Some college or more . . . . .	59.4	62.9	66.9	67.9	68.8	69.8

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

--- 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, and unknown education.

<sup>3</sup>Estimates are age adjusted to the year 2000 standard using four age groups: 18–49 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 and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Estimates based on the 1977 Standard of the percent of women 18 years of age and over with a recent Pap smear are: identical for white and black women; 0.4 percentage points lower for AI/AN women; and 1.5 percentage points higher for Asian and Pacific Islander women than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>5</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. Missing family income data were imputed for 13–16 percent of adults in the sample in 1990–94. Poverty status was unknown for 25 percent of persons in the sample in 1998, 28 percent in 1999, and 27 percent in 2000. See Appendix II, Family income; Poverty level.

<sup>6</sup>Education categories shown are for 1998 and subsequent years. 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. GED stands for General Educational Development high school equivalency diploma. See Appendix II, Education.

NOTES: Standard errors for selected years are available in the spreadsheet version of this table. See [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 (1993–94). Starting in 1998 data are from the family core and sample adult questionnaires.

**Table 82 (page 1 of 2). Ambulatory care visits to physician offices and hospital outpatient and emergency departments by selected characteristics: United States, selected years 1995–2000**

[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	1998	1999	2000	1995	1998	1999	2000
Number of visits in thousands								
Total . . . . .	860,859	1,005,078	944,122	1,014,848	697,082	829,280	756,734	823,542
Under 18 years . . . . .	194,644	213,486	183,072	212,165	150,351	168,520	135,627	163,459
18–44 years . . . . .	285,184	328,475	300,051	315,774	219,065	260,379	227,005	243,011
45–64 years . . . . .	188,320	237,700	240,688	255,894	159,531	203,296	201,911	216,783
45–54 years . . . . .	104,891	132,146	130,824	142,233	88,266	112,316	108,597	119,474
55–64 years . . . . .	83,429	105,555	109,864	113,661	71,264	90,979	93,315	97,309
65 years and over . . . . .	192,712	225,416	220,311	231,014	168,135	197,085	192,190	200,289
65–74 years . . . . .	102,605	115,526	106,066	116,505	90,544	102,306	92,642	102,447
75 years and over . . . . .	90,106	109,890	114,245	114,510	77,591	94,779	99,548	97,842
Number of visits per 100 persons								
Total, age adjusted <sup>2</sup> . . . . .	334	377	352	374	271	312	283	304
Total, crude . . . . .	329	373	347	370	266	308	279	300
Under 18 years . . . . .	275	297	254	293	213	235	188	226
18–44 years . . . . .	264	303	277	291	203	240	209	224
45–64 years . . . . .	364	419	410	422	309	358	344	358
45–54 years . . . . .	339	384	368	385	286	327	305	323
55–64 years . . . . .	401	473	477	481	343	407	405	412
65 years and over . . . . .	612	697	679	706	534	609	592	612
65–74 years . . . . .	560	643	596	656	494	569	521	577
75 years and over . . . . .	683	764	779	766	588	659	679	654
Sex and age								
Male, age adjusted <sup>2</sup> . . . . .	290	321	309	325	232	261	246	261
Male, crude . . . . .	277	310	297	314	220	251	235	251
Under 18 years . . . . .	273	303	255	302	209	239	189	231
18–44 years . . . . .	190	201	206	203	139	149	150	148
45–54 years . . . . .	275	302	300	316	229	251	247	260
55–64 years . . . . .	351	435	427	428	300	379	361	367
65–74 years . . . . .	508	608	580	614	445	538	510	539
75 years and over . . . . .	711	739	758	771	616	640	663	670
Female, age adjusted <sup>2</sup> . . . . .	377	431	393	420	309	360	317	345
Female, crude . . . . .	378	433	396	424	310	362	320	348
Under 18 years . . . . .	277	291	252	285	217	231	187	221
18–44 years . . . . .	336	401	345	377	265	328	267	298
45–54 years . . . . .	400	462	432	451	339	399	361	384
55–64 years . . . . .	446	506	522	529	382	433	445	453
65–74 years . . . . .	603	672	610	692	534	595	530	609
75 years and over . . . . .	666	780	792	763	571	671	689	645
Race and age <sup>3</sup>								
White, age adjusted <sup>2</sup> . . . . .	339	376	356	380	282	316	292	315
White, crude . . . . .	338	376	357	381	281	317	293	316
Under 18 years . . . . .	295	292	258	306	237	235	197	243
18–44 years . . . . .	267	305	284	301	211	248	222	239
45–54 years . . . . .	334	380	368	386	286	328	312	330
55–64 years . . . . .	397	462	474	480	345	406	410	416
65–74 years . . . . .	557	639	597	641	496	572	526	568
75 years and over . . . . .	689	768	781	764	598	669	687	658
Black or African American, age adjusted <sup>2</sup> . . . . .	309	400	355	353	204	281	239	239
Black or African American, crude . . . . .	281	373	322	324	178	259	211	214
Under 18 years . . . . .	193	315	237	264	100	217	144	167
18–44 years . . . . .	260	317	267	257	158	207	155	149
45–54 years . . . . .	387	426	398	383	281	310	277	269
55–64 years . . . . .	414	561	543	495	294	411	404	373
65–74 years . . . . .	553	660	611	656	429	511	485	512
75 years and over . . . . .	534	725	780	745	395	537	608	568

See footnotes at end of table.

**Table 82 (page 2 of 2). Ambulatory care visits to physician offices and hospital outpatient and emergency departments by selected characteristics: United States, selected years 1995–2000**

[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	1998	1999	2000	1995	1998	1999	2000
Number of visits in thousands								
Total . . . . .	67,232	75,412	84,623	83,289	96,545	100,385	102,765	108,017
Under 18 years . . . . .	17,636	18,551	21,758	21,076	26,657	26,415	25,688	27,630
18–44 years . . . . .	24,299	26,032	29,514	26,947	41,820	42,064	43,532	45,816
45–64 years . . . . .	14,811	17,980	20,891	20,772	13,978	16,425	17,886	18,339
45–54 years . . . . .	8,029	9,859	11,541	11,558	8,595	9,970	10,686	11,201
55–64 years . . . . .	6,782	8,120	9,350	9,214	5,383	6,455	7,200	7,138
65 years and over . . . . .	10,486	12,849	12,461	14,494	14,090	15,482	15,659	16,232
65–74 years . . . . .	6,004	6,869	6,969	7,515	6,057	6,350	6,455	6,543
75 years and over . . . . .	4,482	5,979	5,493	6,979	8,033	9,132	9,205	9,690
Number of visits per 100 persons								
Total, age adjusted <sup>2</sup> . . . . .	26	28	31	31	37	37	38	40
Total, crude . . . . .	26	28	31	30	37	37	38	39
Under 18 years . . . . .	25	26	30	29	38	37	36	38
18–44 years . . . . .	22	24	27	25	39	39	40	42
45–64 years . . . . .	29	32	36	34	27	29	31	30
45–54 years . . . . .	26	29	32	31	28	29	30	30
55–64 years . . . . .	33	36	41	39	26	29	31	30
65 years and over . . . . .	33	40	38	44	45	48	48	50
65–74 years . . . . .	33	38	39	42	33	35	36	37
75 years and over . . . . .	34	42	37	47	61	63	63	65
Sex and age								
Male, age adjusted <sup>2</sup> . . . . .	21	23	26	26	37	36	37	38
Male, crude . . . . .	21	23	25	25	36	36	37	38
Under 18 years . . . . .	25	26	29	29	40	39	37	41
18–44 years . . . . .	14	16	18	17	37	37	38	38
45–54 years . . . . .	20	23	25	26	26	28	29	30
55–64 years . . . . .	26	28	37	32	25	28	30	30
65–74 years . . . . .	29	35	35	38	34	35	35	36
75 years and over . . . . .	34	42	34	42	61	57	61	59
Female, age adjusted <sup>2</sup> . . . . .	31	33	37	35	37	38	39	41
Female, crude . . . . .	31	33	37	35	37	38	39	41
Under 18 years . . . . .	25	26	31	29	35	35	34	35
18–44 years . . . . .	31	32	36	33	40	41	42	46
45–54 years . . . . .	32	34	40	36	29	30	31	31
55–64 years . . . . .	38	44	44	45	26	30	32	31
65–74 years . . . . .	36	41	43	46	32	35	37	37
75 years and over . . . . .	34	41	39	49	61	67	64	69
Race and age <sup>3</sup>								
White, age adjusted <sup>2</sup> . . . . .	23	25	28	28	34	35	35	37
White, crude . . . . .	23	25	28	28	34	35	35	37
Under 18 years . . . . .	23	23	28	27	35	34	33	36
18–44 years . . . . .	20	21	25	23	36	36	37	39
45–54 years . . . . .	23	25	28	28	25	27	27	28
55–64 years . . . . .	28	30	36	36	24	26	28	28
65–74 years . . . . .	29	33	36	38	32	33	34	35
75 years and over . . . . .	31	38	34	44	60	61	61	63
Black or African American, age adjusted <sup>2</sup> . . . . .	48	55	54	51	58	63	62	62
Black or African American, crude . . . . .	45	52	51	48	58	62	60	62
Under 18 years . . . . .	39	43	42	40	53	55	51	57
18–44 years . . . . .	38	44	45	40	64	67	68	68
45–54 years . . . . .	55	63	66	61	51	54	55	53
55–64 years . . . . .	73	90	83	70	47	59	57	52
65–74 years . . . . .	*77	86	69	85	47	64	58	59
75 years and over . . . . .	66	85	*79	85	73	103	93	92

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

<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>Beginning in 1999 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. Estimates for visits where multiple races were checked were unreliable and are not presented.

NOTES: Some numbers were revised and differ from the previous edition of *Health, United States*. Rates are based on the civilian noninstitutionalized population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. 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.

**This table will be updated with 2001 data on the web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 83 (page 1 of 2). Injury-related visits to hospital emergency departments by sex, age, and intent and mechanism of injury: United States, average annual 1995–96, 1997–98, and 1999–2000**

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

<i>Sex, age, and intent and mechanism of injury<sup>1</sup></i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>
Both sexes	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>2,3</sup> . . . . .	36,081	36,111	39,029	1,360.9	1,344.2	1,428.1
Male						
All ages <sup>2,3</sup> . . . . .	20,030	19,838	21,286	1,530.7	1,500.0	1,585.3
Under 18 years <sup>2</sup> . . . . .	6,238	6,057	6,364	1,720.2	1,651.9	1,722.2
Unintentional injuries <sup>4</sup> . . . . .	5,478	5,192	5,457	1,510.5	1,416.1	1,476.7
Falls . . . . .	1,402	1,241	1,303	386.5	338.4	352.6
Struck by or against objects or persons . . . . .	1,011	1,468	1,378	278.9	400.5	372.8
Motor vehicle traffic . . . . .	453	405	432	125.0	110.6	116.9
Cut or pierce . . . . .	493	482	455	136.0	131.5	123.2
Intentional injuries . . . . .	290	229	242	80.0	62.4	65.6
18–24 years <sup>2</sup> . . . . .	2,980	2,805	3,096	2,396.9	2,222.5	2,361.6
Unintentional injuries <sup>4</sup> . . . . .	2,423	2,169	2,416	1,948.7	1,718.8	1,842.7
Falls . . . . .	299	255	307	240.8	202.1	233.9
Struck by or against objects or persons . . . . .	387	456	405	311.0	361.7	308.6
Motor vehicle traffic . . . . .	347	404	469	279.4	320.2	357.5
Cut or pierce . . . . .	304	310	394	244.8	245.7	300.5
Intentional injuries . . . . .	335	269	322	269.2	213.1	245.9
25–44 years <sup>2</sup> . . . . .	7,245	6,788	7,251	1,767.4	1,660.4	1,796.9
Unintentional injuries <sup>4</sup> . . . . .	5,757	5,122	5,528	1,404.3	1,252.8	1,370.0
Falls . . . . .	817	779	850	199.4	190.5	210.8
Struck by or against objects or persons . . . . .	619	849	781	151.0	207.8	193.6
Motor vehicle traffic . . . . .	912	831	848	222.6	203.2	210.1
Cut or pierce . . . . .	860	741	764	209.8	181.1	189.4
Intentional injuries . . . . .	701	526	511	171.0	128.8	126.5
45–64 years <sup>2</sup> . . . . .	2,240	2,755	2,972	883.4	1,020.4	1,030.9
Unintentional injuries <sup>4</sup> . . . . .	1,845	2,108	2,325	727.6	781.0	806.7
Falls . . . . .	445	512	582	175.6	189.5	202.0
Struck by or against objects or persons . . . . .	186	202	232	73.3	74.8	80.6
Motor vehicle traffic . . . . .	244	312	316	96.3	115.6	109.6
Cut or pierce . . . . .	203	289	294	79.9	107.2	101.9
Intentional injuries . . . . .	86	107	99	33.8	39.7	34.3
65 years and over <sup>2</sup> . . . . .	1,327	1,434	1,603	1,000.7	1,056.6	1,158.7
Unintentional injuries <sup>4</sup> . . . . .	1,009	1,109	1,207	760.6	817.2	872.1
Falls . . . . .	505	492	579	380.9	362.3	418.1
Struck by or against objects or persons . . . . .	*39	84	112	*29.4	*61.9	*80.7
Motor vehicle traffic . . . . .	99	124	114	74.7	91.7	*82.5
Cut or pierce . . . . .	*81	117	102	*61.1	86.4	74.0
Intentional injuries . . . . .	*	19	10	*	*	*

See footnotes at end of table.



**Table 83 (page 2 of 2). Injury-related visits to hospital emergency departments by sex, age, and intent and mechanism of injury: United States, average annual 1995–96, 1997–98, and 1999–2000**

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

<i>Sex, age, and intent and mechanism of injury<sup>1</sup></i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>	<i>1995–96</i>	<i>1997–98</i>	<i>1999–2000</i>
Female	Injury-related visits in thousands			Injury-related visits per 10,000 persons		
All ages <sup>2,3</sup>	16,051	16,273	17,743	1,186.4	1,183.1	1,267.4
Under 18 years <sup>2</sup>	4,372	4,100	4,443	1,263.9	1,172.0	1,259.0
Unintentional injuries <sup>4</sup>	3,760	3,395	3,722	1,087.0	970.5	1,054.7
Falls	1,040	821	1,025	300.7	234.6	290.6
Struck by or against objects or persons	477	704	728	137.9	201.4	206.4
Motor vehicle traffic	447	403	430	129.3	115.4	122.0
Cut or pierce	253	265	232	73.0	75.9	65.7
Intentional injuries	220	178	149	63.6	50.9	42.3
18–24 years <sup>2</sup>	1,900	2,025	2,219	1,523.4	1,606.2	1,688.1
Unintentional injuries <sup>4</sup>	1,430	1,494	1,579	1,146.7	1,185.3	1,200.9
Falls	268	222	234	214.5	176.2	178.0
Struck by or against objects or persons	134	180	170	107.4	143.1	129.6
Motor vehicle traffic	373	473	469	298.8	374.9	357.1
Cut or pierce	131	121	156	105.3	96.0	118.3
Intentional injuries	239	227	219	191.7	179.9	166.8
25–44 years <sup>2</sup>	5,098	5,050	5,584	1,205.8	1,194.2	1,332.7
Unintentional injuries <sup>4</sup>	3,877	3,720	3,976	916.8	879.9	948.9
Falls	817	830	947	193.3	196.2	225.9
Struck by or against objects or persons	380	447	382	89.8	105.7	91.3
Motor vehicle traffic	872	821	788	206.2	194.3	188.0
Cut or pierce	338	378	434	79.8	89.3	103.5
Intentional injuries	422	400	425	99.8	94.7	101.5
45–64 years <sup>2</sup>	2,369	2,649	2,933	873.7	919.1	952.9
Unintentional injuries <sup>4</sup>	1,857	1,980	2,180	685.2	686.8	708.2
Falls	600	659	749	221.5	228.5	243.5
Struck by or against objects or persons	160	224	192	58.8	77.6	62.3
Motor vehicle traffic	343	331	324	126.5	114.7	105.2
Cut or pierce	127	192	175	46.9	66.6	56.8
Intentional injuries	*64	88	125	*23.5	30.4	40.5
65 years and over <sup>2</sup>	2,313	2,449	2,564	1,256.1	1,314.2	1,367.8
Unintentional injuries <sup>4</sup>	1,931	2,009	2,013	1,049.0	1,078.0	1,073.8
Falls	1,230	1,239	1,219	667.9	664.7	650.4
Struck by or against objects or persons	82	146	103	44.8	78.2	54.8
Motor vehicle traffic	169	163	132	91.6	87.5	70.6
Cut or pierce	*42	68	72	*22.7	*36.7	*38.3
Intentional injuries	*	31	20	*	*	*

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

<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, First-listed external cause of injury and Appendix II, table VII for listing of E codes.

<sup>2</sup>Includes all injury-related visits not shown separately in table including those with undetermined intent (less than 1 percent in 1999–2000), insufficient or no information to code cause of injury (about 13 percent in 1999–2000), and resulting from adverse effects of medical treatment (about 3 percent in 1999–2000).

<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 are based on the civilian noninstitutionalized population as of July 1 adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the Bureau of the Census. 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.

This table will be updated with 2000–01 data on the web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).



**Table 84 (page 1 of 2). Ambulatory care visits to primary care and specialist physicians, according to selected characteristics and type of physician: United States, 1980, 1990, and 2000**

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

Age, sex, and race	Type of primary care physician <sup>1</sup>											
	All primary care			General and family practice			Internal medicine			Pediatrics		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
	Percent of all physician office visits											
Total . . . . .	56.6	54.9	51.1	33.5	29.9	24.1	12.1	13.8	15.3	10.9	11.2	11.7
Under 18 years . . . . .	76.6	78.3	78.6	26.1	26.5	19.9	2.0	2.9	*	48.5	48.9	57.3
18–44 years . . . . .	43.6	44.3	41.7	34.3	31.9	28.2	8.6	11.8	12.7	0.7	0.7	*0.9
45–64 years . . . . .	56.0	50.9	46.7	36.3	32.1	26.4	19.5	18.6	20.1	*	*	*
45–54 years . . . . .	54.6	49.4	46.7	37.4	32.0	27.8	17.1	17.1	18.7	*	*	*
55–64 years . . . . .	57.3	52.4	46.7	35.4	32.1	24.7	21.8	20.0	21.7	*	*	*
65 years and over . . . . .	60.3	51.5	45.0	37.5	28.1	20.2	22.7	23.3	24.5	*	*	*
65–74 years . . . . .	59.5	51.2	44.6	37.4	28.1	19.7	22.1	23.0	24.5	*	*	*
75 years and over . . . . .	61.3	51.8	45.4	37.6	28.0	20.8	23.5	23.7	24.5	*	*	*
Sex and age												
Male:												
Under 18 years . . . . .	77.1	77.9	77.4	25.6	24.1	18.3	2.0	3.0	*	49.4	50.7	58.0
18–44 years . . . . .	50.5	51.7	50.4	38.0	35.9	34.2	11.5	15.0	14.4	*	*	*1.7
45–64 years . . . . .	55.0	50.5	48.9	34.4	31.0	28.7	20.5	19.2	19.8	*	*	*
65 years and over . . . . .	57.9	51.1	43.1	35.6	27.7	19.3	22.3	23.3	23.8	*	*	*
Female:												
Under 18 years . . . . .	76.0	78.8	79.9	26.6	29.1	21.7	2.0	2.8	*	47.4	46.9	56.5
18–44 years . . . . .	40.4	41.0	37.6	32.5	30.0	25.3	7.3	10.3	11.9	*	*	*
45–64 years . . . . .	56.7	51.1	45.2	37.7	32.8	24.9	18.9	18.2	20.2	*	*	*
65 years and over . . . . .	61.8	51.7	46.3	38.7	28.3	20.9	22.9	23.3	25.0	*	*	*
Race and age <sup>2</sup>												
White:												
Under 18 years . . . . .	76.5	78.2	77.3	26.4	27.1	21.2	2.0	2.3	*	48.2	48.8	54.7
18–44 years . . . . .	43.8	43.2	41.0	34.5	31.9	29.2	8.6	10.6	11.0	*	*	*0.8
45–64 years . . . . .	55.4	49.4	44.6	36.0	31.5	27.3	19.2	17.6	17.1	*	*	*
65 years and over . . . . .	60.0	50.7	43.6	36.6	27.5	20.3	23.3	23.1	23.0	*	*	*
Black or African American:												
Under 18 years . . . . .	77.1	82.1	86.4	23.7	20.2	*	*	*	*	51.2	52.1	75.0
18–44 years . . . . .	41.4	50.4	44.3	31.7	31.9	22.0	9.0	18.1	20.9	*	*	*
45–64 years . . . . .	61.3	58.2	59.4	38.6	31.2	23.3	22.6	26.9	35.9	*	*	*
65 years and over . . . . .	63.3	57.8	52.1	49.0	28.9	*18.5	14.2	28.7	33.4	*	*	*

See footnotes at end of table.

**Table 84 (page 2 of 2). Ambulatory care visits to primary care and specialist physicians, according to selected characteristics and type of physician: United States, 1980, 1990, and 2000**

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

Age, sex, and race	Type of specialist physician <sup>1</sup>								
	All specialists			Obstetrics and gynecology			All other specialists		
	1980	1990	2000	1980	1990	2000	1980	1990	2000
	Percent of all physician office visits								
Total . . . . .	43.4	45.1	48.9	9.6	9.0	7.9	33.8	36.1	40.9
Under 18 years . . . . .	23.4	21.7	21.4	1.3	1.2	*1.1	22.2	20.5	20.3
18–44 years . . . . .	56.4	55.7	58.3	21.7	21.5	20.7	34.7	34.1	37.5
45–64 years . . . . .	44.0	49.1	53.3	4.2	4.8	4.6	39.8	44.3	48.8
45–54 years . . . . .	45.4	50.6	53.3	5.6	6.5	5.6	39.8	44.2	47.7
55–64 years . . . . .	42.7	47.6	53.3	2.9	3.2	3.3	39.8	44.4	50.1
65 years and over . . . . .	39.7	48.5	55.0	1.4	1.2	1.5	38.4	47.3	53.5
65–74 years . . . . .	40.5	48.8	55.4	1.7	1.6	2.1	38.8	47.2	53.4
75 years and over . . . . .	38.7	48.2	54.6	1.0	*0.7	*1.0	37.7	47.5	53.6
Sex and age									
Male:									
Under 18 years . . . . .	22.9	22.1	22.6	...	...	*	22.7	21.9	22.3
18–44 years . . . . .	49.5	48.3	49.6	...	...	*	49.2	48.2	48.5
45–64 years . . . . .	45.0	49.5	51.1	...	...	*	44.4	49.4	50.6
65 years and over . . . . .	42.1	48.9	56.9	...	...	*	41.8	48.8	56.9
Female:									
Under 18 years . . . . .	24.0	21.2	20.1	2.5	2.3	2.1	21.5	18.9	18.0
18–44 years . . . . .	59.6	59.0	62.4	31.7	31.4	30.2	27.9	27.6	32.2
45–64 years . . . . .	43.3	48.9	54.8	6.7	7.9	7.3	36.6	40.9	47.5
65 years and over . . . . .	38.2	48.3	53.7	2.1	1.9	2.6	36.1	46.4	51.1
Race and age <sup>2</sup>									
White:									
Under 18 years . . . . .	23.5	21.8	22.7	1.1	1.0	*1.2	22.4	20.8	21.5
18–44 years . . . . .	56.2	56.8	59.0	21.0	21.8	20.8	35.2	35.0	38.2
45–64 years . . . . .	44.6	50.6	55.4	4.1	4.9	4.8	40.4	45.7	50.6
65 years and over . . . . .	40.0	49.3	56.4	1.4	1.3	1.5	38.6	48.1	54.9
Black or African American:									
Under 18 years . . . . .	22.9	17.9	*13.6	2.8	*3.4	*	20.1	14.5	*12.7
18–44 years . . . . .	58.6	49.6	55.7	27.1	18.6	20.7	31.5	31.0	35.0
45–64 years . . . . .	38.7	41.8	40.6	4.8	4.0	*2.4	33.9	37.9	38.3
65 years and over . . . . .	36.7	42.2	47.9	*	*	*	35.4	41.3	47.0

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

...Category not applicable.

<sup>1</sup>Type of physician is based on physician's self-designated primary area of practice. Primary care physicians are defined as practitioners in the fields of general and family practice, general internal medicine, and general pediatrics. Primary care physicians in general and family practice exclude specialists such as sports medicine and geriatrics. Primary care internal medicine physicians exclude internal medicine specialists such as allergists, cardiologists, endocrinologists, etc. Primary care pediatricians exclude pediatric specialists such as adolescent medicine specialists, neonatologists, pediatric allergists, pediatric cardiologists, etc. Specialist physicians include obstetricians and gynecologists in addition to other specialists not included in general and family practice, internal medicine, pediatrics, and all other specialists. See Appendix II, Physician specialty.

<sup>2</sup>Beginning in 1999 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. Estimates for visits where multiple races were checked were unreliable and are not presented.

NOTES: This table presents data on ambulatory care visits to physician offices and excludes ambulatory care 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. Excludes visits with type of physician unknown. 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.

**This table will be updated with 2001 data on the web. Go to [www.cdc.gov/nchs/hus.htm](http://www.cdc.gov/nchs/hus.htm).**

**Table 87. Home health care patients, according to age, sex, and diagnosis: United States, selected years 1992–2000**

[Data are based on a survey of current home health care patients]

<i>Age, sex, and diagnosis</i>	<i>1992</i>	<i>1994</i>	<i>1996</i>	<i>1998</i>	<i>2000</i>
	Number of current patients				
Total home health care patients . . . . .	1,232,200	1,889,327	2,427,483	1,881,768	1,355,290
	Current patients per 10,000 population				
Total . . . . .	47.8	71.8	90.6	69.6	48.7
Age at time of survey:					
Under 65 years, crude . . . . .	12.6	21.0	27.8	25.0	16.4
65 years and over, crude . . . . .	295.4	424.9	526.3	375.7	277.0
65 years and over, age adjusted <sup>1</sup> . . . . .	315.8	449.6	546.6	381.0	276.5
65–74 years . . . . .	151.7	209.1	240.1	202.0	130.2
75–84 years . . . . .	398.3	542.2	753.6	470.3	347.6
85 years and over . . . . .	775.9	1,206.1	1,253.4	885.4	694.1
Sex:					
Male, total . . . . .	32.6	47.8	60.9	47.9	35.1
Under 65 years, crude . . . . .	10.9	17.8	22.1	22.9	15.6
65 years and over, crude . . . . .	219.2	303.1	386.4	255.2	199.6
65 years and over, age adjusted <sup>1</sup> . . . . .	255.8	350.0	438.3	277.6	216.4
65–74 years . . . . .	121.8	169.9	187.0	159.7	100.7
75–84 years . . . . .	322.0	427.5	598.7	321.4	270.0
85 years and over . . . . .	635.2	893.1	1,044.3	653.0	553.9
Female, total . . . . .	62.4	94.7	118.9	90.4	61.8
Under 65 years, crude . . . . .	14.3	24.2	33.6	27.0	17.2
65 years and over, crude . . . . .	347.4	508.9	623.9	460.4	332.6
65 years and over, age adjusted <sup>1</sup> . . . . .	351.5	506.6	615.0	445.8	315.5
65–74 years . . . . .	175.3	240.6	283.2	236.3	154.6
75–84 years . . . . .	445.3	614.5	854.0	568.8	400.4
85 years and over . . . . .	830.7	1,327.6	1,337.0	981.7	754.9
	Percent distribution				
Age at time of survey: <sup>2</sup>					
Under 65 years . . . . .	23.1	25.7	27.0	31.3	29.5
65 years and over . . . . .	76.9	74.3	73.0	68.7	70.5
65–74 years . . . . .	22.6	20.6	18.4	19.7	17.3
75–84 years . . . . .	33.9	31.2	35.3	29.9	31.3
85 years and over . . . . .	20.4	22.4	19.4	19.1	21.9
Sex:					
Male . . . . .	33.2	32.5	32.9	33.6	35.2
Female . . . . .	66.8	67.5	67.1	66.4	64.8
Primary admission diagnosis: <sup>3</sup>					
Malignant neoplasms . . . . .	5.7	5.7	4.8	3.8	4.9
Diabetes . . . . .	7.7	8.1	8.5	6.1	7.8
Diseases of the nervous system and sense organs . . . . .	6.3	8.0	5.8	7.6	6.1
Diseases of the circulatory system . . . . .	25.9	27.2	25.6	23.6	23.6
Diseases of heart . . . . .	12.6	14.3	10.9	12.3	10.9
Cerebrovascular diseases . . . . .	5.8	6.1	7.8	5.1	7.3
Diseases of the respiratory system . . . . .	6.6	6.1	7.7	7.9	6.8
Decubitus ulcers . . . . .	1.9	1.1	1.0	1.2	1.9
Diseases of the musculoskeletal system and connective tissue . . . . .	9.4	8.3	8.8	8.3	9.8
Osteoarthritis . . . . .	2.5	2.8	3.2	2.7	3.5
Fractures, all sites . . . . .	3.8	3.7	3.3	4.0	4.1
Fracture of neck of femur (hip) . . . . .	1.4	1.7	1.3	1.1	1.5
Other . . . . .	32.7	31.8	34.6	37.5	34.9

<sup>1</sup>Age adjusted by the direct method to the year 2000 standard population using the following three age groups: 65–74 years, 75–84 years, and 85 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Denominator excludes persons with unknown age.

<sup>3</sup>Denominator excludes persons with unknown diagnosis.

NOTES: Current home health care patients are those who were on the rolls of the agency as of midnight on the day immediately before the date of the survey. Rates are based on the civilian population as of July 1. Population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Diagnostic categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX.

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

**Table 88. Hospice patients, according to age, sex, and diagnosis: United States, selected years 1992–2000**

[Data are based on a survey of current hospice patients]

<i>Age, sex, and diagnosis</i>	1992	1994	1996	1998	2000
	Number of current patients				
Total hospice patients . . . . .	52,100	60,783	59,363	79,837	105,496
	Current patients per 10,000 population				
Total . . . . .	2.0	2.3	2.2	3.0	3.8
Age at time of survey:					
Under 65 years, crude . . . . .	0.5	0.8	0.5	0.7	0.8
65 years and over, crude . . . . .	13.1	12.9	13.9	18.2	24.9
65 years and over, age adjusted <sup>1</sup> . . . . .	13.7	13.6	14.4	18.4	24.9
65–74 years . . . . .	7.8	7.3	7.8	9.9	10.1
75–84 years . . . . .	19.2	16.9	16.9	22.0	31.9
85 years and over . . . . .	23.4	30.6	34.7	44.7	67.3
Sex:					
Male, total . . . . .	1.9	2.1	2.0	2.6	3.3
Under 65 years, crude . . . . .	0.5	0.9	0.5	0.7	0.8
65 years and over, crude . . . . .	13.9	12.5	14.8	18.5	24.8
65 years and over, age adjusted <sup>1</sup> . . . . .	16.0	14.4	16.1	20.3	26.9
65–74 years . . . . .	6.3	7.0	10.4	10.2	13.0
75–84 years . . . . .	25.8	18.2	18.5	25.2	32.6
85 years and over . . . . .	28.8	34.8	33.9	49.2	69.9
Female, total . . . . .	2.1	2.5	2.4	3.3	4.3
Under 65 years, crude . . . . .	0.4	0.7	0.6	0.8	0.9
65 years and over, crude . . . . .	12.6	13.2	13.2	18.0	25.0
65 years and over, age adjusted <sup>1</sup> . . . . .	12.6	13.2	12.9	17.3	23.3
65–74 years . . . . .	8.9	7.5	5.8	9.6	7.6
75–84 years . . . . .	15.1	16.1	15.9	19.9	31.5
85 years and over . . . . .	21.4	29.0	35.0	42.9	66.2
	Percent distribution				
Age at time of survey: <sup>2</sup>					
Under 65 years . . . . .	19.5	30.1	21.3	21.6	18.6
65 years and over . . . . .	80.5	69.9	78.7	78.4	81.4
65–74 years . . . . .	27.3	22.2	24.5	22.7	17.2
75–84 years . . . . .	38.6	30.1	32.4	32.9	37.0
85 years and over . . . . .	14.6	17.6	21.9	22.7	27.3
Sex:					
Male . . . . .	46.1	44.7	44.9	42.7	42.6
Female . . . . .	53.9	55.3	55.1	57.3	57.4
Primary admission diagnosis: <sup>3</sup>					
Malignant neoplasms . . . . .	65.7	57.2	58.3	55.5	51.9
Large intestine and rectum . . . . .	9.0	8.0	4.0	6.4	4.9
Trachea, bronchus, and lung . . . . .	21.1	12.5	15.8	13.0	12.3
Breast . . . . .	3.9	4.8	6.2	4.9	4.8
Prostate . . . . .	6.0	5.9	6.6	6.1	7.7
Diseases of heart . . . . .	10.2	9.3	8.3	9.7	12.8
Diseases of the respiratory system . . . . .	4.3	6.6	7.3	10.6	6.5
Other . . . . .	19.8	27.0	26.1	24.3	28.8

<sup>1</sup>Age adjusted by the direct method to the year 2000 standard population using the following three age groups: 65–74 years, 75–84 years, and 85 years and over. See Appendix II, Age adjustment.

<sup>2</sup>Denominator excludes persons with unknown age.

<sup>3</sup>Denominator excludes persons with unknown diagnosis.

NOTES: Current hospice patients are those who were on the rolls of the agency as of midnight on the day immediately before the date of the survey. Rates are based on the civilian population as of July 1. Population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Diagnostic categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX.

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

**Table 89 (page 1 of 3). Discharges, days of care, and average length of stay in short-stay hospitals, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	Discharges <sup>1</sup>			Days of care <sup>1</sup>			Average length of stay <sup>1</sup>		
	1997	1999	2001	1997	1999	2001	1997	1999	2001
	Number per 1,000 population						Number of days		
Total <sup>2,3</sup>	124.3	119.7	122.0	601.2	555.1	554.2	4.8	4.6	4.5
Age									
Under 18 years	90.8	76.3	78.6	319.0	302.6	312.4	3.5	4.0	4.0
Under 6 years	203.5	183.2	184.6	632.6	664.8	674.0	3.1	3.6	3.7
6–17 years	34.0	24.3	27.0	163.1	*126.5	136.5	4.8	*5.2	5.1
18–44 years	96.8	95.8	94.8	358.8	352.8	348.9	3.7	3.7	3.7
45–64 years	124.9	125.6	125.2	631.1	592.5	616.0	5.1	4.7	4.9
45–54 years	99.2	110.1	103.7	527.5	473.9	465.9	5.3	4.3	4.5
55–64 years	164.8	149.6	159.2	792.4	775.5	853.5	4.8	5.2	5.4
65 years and over	274.4	269.7	286.6	1,852.5	1,620.5	1,560.6	6.8	6.0	5.4
65–74 years	249.1	229.8	231.2	1,595.2	1,386.4	1,239.0	6.4	6.0	5.4
75 years and over	307.3	318.5	351.9	2,188.4	1,907.6	1,941.2	7.1	6.0	5.5
Under 65 years of age									
All persons under 65 years of age <sup>2,4</sup>	102.2	97.6	97.8	416.4	398.9	406.6	4.1	4.1	4.2
Sex <sup>4</sup>									
Male	79.1	77.9	76.1	374.9	374.0	372.9	4.7	4.8	4.9
Female	124.7	116.7	119.0	456.6	422.8	439.7	3.7	3.6	3.7
Race <sup>4,5</sup>									
White only	100.8	94.7	93.2	385.8	368.7	369.4	3.8	3.9	4.0
Black or African American only	126.3	122.8	130.3	688.6	638.3	657.2	5.5	5.2	5.0
American Indian and Alaska Native only	111.9	128.3	169.2	*494.3	*570.0	*767.6	*4.4	*4.4	*4.5
Asian only	61.7	78.4	68.0	*268.6	*249.5	228.7	*4.4	*3.2	3.4
Native Hawaiian and Other Pacific Islander only	---	*	*	---	*	*	---	*	*
2 or more races	---	139.1	139.5	---	*688.8	*586.2	---	*5.0	*4.2
Hispanic origin and race <sup>4,5</sup>									
Hispanic or Latino	109.9	90.1	101.5	416.7	389.8	406.3	3.8	4.3	4.0
Not Hispanic or Latino	101.2	98.7	97.5	415.4	401.5	407.9	4.1	4.1	4.2
White only	99.6	95.4	92.6	382.7	368.4	368.2	3.8	3.9	4.0
Black or African American only	125.7	122.7	129.4	692.6	625.5	656.0	5.5	5.1	5.1
Poverty status <sup>4,6</sup>									
Poor	196.8	174.0	167.9	971.0	992.9	857.7	4.9	5.7	5.1
Near poor	125.5	150.3	136.2	553.7	671.4	646.5	4.4	4.5	4.7
Nonpoor	85.6	82.1	86.5	312.1	291.9	316.7	3.6	3.6	3.7
Hispanic origin and race and poverty status <sup>4,5,6</sup>									
Hispanic or Latino:									
Poor	163.9	122.3	167.8	625.1	555.2	723.9	3.8	4.5	4.3
Near poor	93.9	97.0	93.5	421.4	*434.9	362.0	4.5	*4.5	3.9
Nonpoor	95.4	79.2	79.8	297.9	295.4	288.1	3.1	3.7	3.6
Not Hispanic or Latino:									
White only:									
Poor	222.2	181.2	145.7	1,053.4	1,042.5	812.3	4.7	5.8	5.6
Near poor	132.8	166.8	144.3	539.1	683.8	725.4	4.1	4.1	5.0
Nonpoor	85.7	81.5	86.6	306.8	289.7	305.4	3.6	3.6	3.5
Black or African American only:									
Poor	195.9	223.6	230.4	1,260.0	1,424.2	1,243.3	6.4	6.4	5.4
Near poor	142.0	154.1	163.7	819.2	*920.3	732.2	5.8	*6.0	4.5
Nonpoor	92.3	86.7	96.8	389.0	332.7	489.8	4.2	3.8	5.1
Health insurance status <sup>4,7</sup>									
Insured	108.1	101.6	104.3	442.5	416.8	433.2	4.1	4.1	4.2
Private	85.6	80.2	84.4	310.2	287.8	311.8	3.6	3.6	3.7
Medicaid	311.6	332.5	296.2	1,575.3	1,695.5	1,495.1	5.1	5.1	5.0
Uninsured	75.3	75.7	64.2	296.3	304.2	270.9	3.9	4.0	4.2

See footnotes at end of table.

**Table 89 (page 2 of 3). Discharges, days of care, and average length of stay in short-stay hospitals, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	Discharges <sup>1</sup>			Days of care <sup>1</sup>			Average length of stay <sup>1</sup>		
	1997	1999	2001	1997	1999	2001	1997	1999	2001
Poverty status and health insurance status <sup>4,6</sup>									
	Number per 1,000 population						Number of days		
Poor:									
Insured	243.9	217.1	210.9	1,272.5	1,294.5	1,123.1	5.2	6.0	5.3
Uninsured	110.0	101.5	90.1	459.4	476.9	366.5	4.2	4.7	4.1
Near poor:									
Insured	149.2	184.3	164.7	663.8	837.5	788.6	4.4	4.5	4.8
Uninsured	73.4	75.2	72.9	302.1	295.5	*333.1	4.1	3.9	*4.6
Nonpoor:									
Insured	88.1	84.1	88.9	316.0	299.7	327.4	3.6	3.6	3.7
Uninsured	59.8	58.8	54.5	*253.5	197.6	166.4	*4.2	3.4	3.1
Geographic region <sup>4</sup>									
Northeast	96.0	85.6	87.5	455.4	381.6	403.9	4.7	4.5	4.6
Midwest	108.7	99.6	100.5	384.4	359.9	400.0	3.5	3.6	4.0
South	111.8	112.8	110.6	466.1	463.9	456.3	4.2	4.1	4.1
West	82.9	80.0	82.5	327.2	348.3	332.4	3.9	4.4	4.0
Location of residence <sup>4</sup>									
Within MSA <sup>8</sup>	99.3	94.0	96.1	411.8	383.0	400.1	4.1	4.1	4.2
Outside MSA <sup>8</sup>	113.2	111.9	104.7	435.9	459.4	432.7	3.8	4.1	4.1
65 years of age and over									
All persons 65 years of age and over <sup>2,9</sup>	276.9	272.1	288.8	1,878.4	1,635.3	1,574.3	6.8	6.0	5.5
Sex <sup>9</sup>									
Male	291.6	280.2	304.4	2,077.4	1,551.7	1,746.2	7.1	5.5	5.7
Female	265.2	264.0	277.1	1,727.4	1,676.5	1,457.2	6.5	6.4	5.3
Hispanic origin and race <sup>5,9</sup>									
Hispanic or Latino	312.7	289.8	304.4	2,512.1	1,882.8	1,568.9	8.0	6.5	5.2
Not Hispanic or Latino	274.6	271.2	287.8	1,846.3	1,618.0	1,574.6	6.7	6.0	5.5
White only	274.8	271.4	287.7	1,808.2	1,586.4	1,525.4	6.6	5.8	5.3
Black or African American only	290.8	300.7	336.7	2,423.5	2,064.8	2,311.8	8.3	6.9	6.9
Poverty status <sup>6,9</sup>									
Poor	357.4	394.7	416.1	2,690.9	2,169.0	2,220.6	7.5	5.5	5.3
Near poor	329.6	328.5	310.7	2,498.3	1,954.8	1,849.7	7.6	6.0	6.0
Nonpoor	256.6	247.3	266.7	1,680.3	1,510.4	1,345.9	6.5	6.1	5.0
Health insurance status <sup>7,9</sup>									
Medicare HMO	217.8	241.9	252.8	1,355.3	1,396.0	1,305.8	6.2	5.8	5.2
Private	271.9	270.9	286.3	1,756.1	1,592.8	1,485.9	6.5	5.9	5.2
Medicaid	539.7	455.0	484.0	3,810.6	3,286.7	2,663.2	7.1	7.2	5.5
Medicare fee-for-service only	252.9	266.0	264.2	1,906.6	1,565.3	1,717.7	7.5	5.9	6.5
Geographic region <sup>9</sup>									
Northeast	265.0	288.0	272.0	1,828.5	1,873.4	1,467.7	6.9	6.5	5.4
Midwest	285.2	244.0	280.0	1,971.1	1,475.3	1,517.9	6.9	6.0	5.4
South	298.1	298.1	312.3	2,140.2	1,783.8	1,757.4	7.2	6.0	5.6
West	237.2	238.5	275.7	1,299.2	1,284.6	1,434.7	5.5	5.4	5.2

See footnotes at end of table.

**Table 89 (page 3 of 3). Discharges, days of care, and average length of stay in short-stay hospitals, according to selected characteristics: United States, selected years 1997–2001**

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

Characteristic	Discharges <sup>1</sup>			Days of care <sup>1</sup>			Average length of stay <sup>1</sup>		
	1997	1999	2001	1997	1999	2001	1997	1999	2001
Location of residence <sup>9</sup>	Number per 1,000 population						Number of days		
Within MSA <sup>8</sup>	271.3	265.3	286.8	1,875.9	1,653.3	1,584.1	6.9	6.2	5.5
Outside MSA <sup>8</sup>	295.1	295.3	295.8	1,893.6	1,574.8	1,540.8	6.4	5.3	5.2

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

--- Data not available.

<sup>1</sup>See Appendix II, Discharge; Days of care; Average length of stay.

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

<sup>3</sup>Estimates for all persons are age adjusted to the year 2000 standard using six age groups: Under 18 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 under 65 years of age and 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>5</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category “Asian only” included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standard of the hospital discharge rate for persons under 65 years of age are: 0.2 percentage points lower for white persons; 0.3 percentage points lower for black persons; 12.4 percentage points lower for AI/AN persons; 1.2 percentage points higher for Asian and Pacific Islander persons; and for persons 65 years of age and older: 0.4 percentage points lower for white persons; and 0.6 percentage points higher for black persons than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>6</sup>Poor persons are defined as below the poverty threshold. Near poor persons have incomes of 100 percent to less than 200 percent of the poverty threshold. Nonpoor persons have incomes of 200 percent or greater than the poverty threshold. See Appendix II, Poverty level; Family income. Poverty status was missing for 20 percent of persons in the sample in 1997, 25 percent in 1998, 28 percent in 1999, 27 percent in 2000, and 28 percent in 2001.

<sup>7</sup>Health insurance categories are mutually exclusive. Persons who reported both Medicaid and private coverage are classified as having private coverage. Persons 65 years of age and over who reported Medicare HMO (health maintenance organization) and some other type of health insurance coverage are classified as having Medicare HMO. Starting in 1997 Medicaid includes state-sponsored health plans and State Children’s Health Insurance Program (SCHIP). The category “insured” also includes military, other State, and Medicare coverage. 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: Some numbers in this table for health insurance estimates were revised and differ from previous editions of *Health, United States*. Estimates of hospital utilization presented in *Health, United States* utilize two data sources: the National Health Interview Survey (NHIS) and the National Hospital Discharge Survey (NHDS). Differences in estimates from the two surveys are particularly evident for children and the elderly. See Appendix II, Hospital Utilization. Data for additional years are available (see Appendix III). Standard errors for selected years are available in the spreadsheet version of this table. See [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 90 (page 1 of 2). Discharges, days of care, and average length of stay in non-Federal short-stay hospitals, according to selected characteristics: United States, selected years 1980–2001**

[Data are based on a sample of hospital records]

<i>Characteristic</i>	1980 <sup>1</sup>	1985 <sup>1</sup>	1990	1997	1998	1999	2000 <sup>2</sup>	2001 <sup>3</sup>
Discharges per 1,000 population								
Total <sup>4</sup> . . . . .	173.4	151.4	125.2	116.1	117.9	117.8	113.3	115.3
Age								
Under 18 years . . . . .	75.6	61.4	46.4	40.6	40.4	42.2	40.3	43.4
18–44 years . . . . .	155.3	128.0	102.7	86.0	88.8	86.4	85.0	87.6
45–54 years . . . . .	174.8	146.8	112.4	93.7	92.7	94.5	92.1	94.5
55–64 years . . . . .	215.4	194.8	163.3	149.1	155.1	151.4	141.5	139.3
65 years and over . . . . .	383.7	369.8	334.1	361.1	365.3	370.4	353.5	354.9
65–74 years . . . . .	315.8	297.2	261.6	265.9	267.6	270.6	254.6	256.2
75 years and over . . . . .	489.3	475.6	434.0	474.0	477.4	481.6	462.3	461.4
Sex <sup>4</sup>								
Male . . . . .	153.2	137.3	113.0	103.0	102.8	103.4	99.1	100.2
Female . . . . .	195.0	167.3	139.0	130.0	133.3	132.2	127.8	130.9
Geographic region <sup>4</sup>								
Northeast . . . . .	162.0	142.6	133.2	125.5	127.3	129.0	---	---
Midwest . . . . .	192.1	158.1	128.8	115.5	116.4	115.6	---	---
South . . . . .	179.7	155.5	132.5	122.4	126.4	124.7	---	---
West . . . . .	150.5	145.7	100.7	97.9	97.1	98.5	---	---
Days of care per 1,000 population								
Total <sup>4</sup> . . . . .	1,297.0	997.5	818.9	595.2	598.6	588.8	557.8	563.2
Age								
Under 18 years . . . . .	341.4	281.2	226.3	169.8	182.4	185.5	179.0	192.7
18–44 years . . . . .	818.6	619.2	467.7	317.4	328.3	316.9	309.5	323.6
45–54 years . . . . .	1,314.9	967.8	699.7	460.8	452.9	451.0	437.5	455.9
55–64 years . . . . .	1,889.4	1,436.9	1,172.3	821.4	836.1	795.1	729.0	732.4
65 years and over . . . . .	4,098.3	3,228.0	2,895.6	2,285.6	2,264.2	2,256.8	2,112.5	2,067.8
65–74 years . . . . .	3,147.0	2,437.3	2,087.8	1,599.3	1,596.1	1,578.1	1,438.9	1,450.3
75 years and over . . . . .	5,578.8	4,381.3	4,009.1	3,099.6	3,030.8	3,012.9	2,853.7	2,734.0
Sex <sup>4</sup>								
Male . . . . .	1,239.7	973.3	805.8	573.8	576.7	565.4	536.0	535.7
Female . . . . .	1,365.2	1,033.1	840.5	619.3	622.9	613.6	581.2	592.9
Geographic region <sup>4</sup>								
Northeast . . . . .	1,400.6	1,113.0	1,026.7	739.2	731.0	733.6	---	---
Midwest . . . . .	1,484.8	1,078.6	830.6	556.3	552.5	532.6	---	---
South . . . . .	1,262.3	957.7	820.4	629.5	643.9	622.1	---	---
West . . . . .	956.9	824.7	575.5	445.3	450.4	461.4	---	---
Average length of stay in days								
Total <sup>4</sup> . . . . .	7.5	6.6	6.5	5.1	5.1	5.0	4.9	4.9
Age								
Under 18 years . . . . .	4.5	4.6	4.9	4.2	4.5	4.4	4.4	4.4
18–44 years . . . . .	5.3	4.8	4.6	3.7	3.7	3.7	3.6	3.7
45–54 years . . . . .	7.5	6.6	6.2	4.9	4.9	4.8	4.8	4.8
55–64 years . . . . .	8.8	7.4	7.2	5.5	5.4	5.3	5.2	5.3
65 years and over . . . . .	10.7	8.7	8.7	6.3	6.2	6.1	6.0	5.8
65–74 years . . . . .	10.0	8.2	8.0	6.0	6.0	5.8	5.7	5.7
75 years and over . . . . .	11.4	9.2	9.2	6.5	6.3	6.3	6.2	5.9
Sex <sup>4</sup>								
Male . . . . .	8.1	7.1	7.1	5.6	5.6	5.5	5.4	5.3
Female . . . . .	7.0	6.2	6.0	4.8	4.7	4.6	4.6	4.5

See footnotes at end of table.

**Table 90 (page 2 of 2). Discharges, days of care, and average length of stay in non-Federal short-stay hospitals, according to selected characteristics: United States, selected years 1980–2001**

[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>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i> <sup>2</sup>	<i>2001</i> <sup>3</sup>
<b>Geographic region<sup>4</sup></b>	<b>Average length of stay in days</b>							
Northeast . . . . .	8.6	7.8	7.7	5.9	5.7	5.7	---	---
Midwest . . . . .	7.7	6.8	6.5	4.8	4.7	4.6	---	---
South . . . . .	7.0	6.2	6.2	5.1	5.1	5.0	---	---
West . . . . .	6.4	5.7	5.7	4.5	4.6	4.7	---	---

--- Data not available.

<sup>1</sup>Comparisons of data from 1980–85 with data from later years should be made with caution as estimates of change may reflect improvements in the design rather than true changes in hospital use. See Appendix I, National Hospital Discharge Survey.

<sup>2</sup>The civilian population estimates used to compute rates for 2000 differ from those used in *Health, United States, 2002*. Rates for 2000 were computed using Census 2000 counts, while in the previous edition of *Health, United States*, rates for 2000 were computed using 1990-based postcensal estimates.

<sup>3</sup>Rates for 2001 were computed using 2000-based postcensal estimates.

<sup>4</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: Rates are based on the civilian population as of July 1. Rates for 1990–99 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Rates for 1990–99 are not strictly comparable with rates for 2000 and 2001 because population estimates for 1990–99 have not been revised to reflect Census 2000. See Appendix I, National Hospital Discharge Survey. Estimates of hospital utilization from the National Health Interview Survey (NHIS) and the National Hospital Discharge Survey (NHDS) may differ because NHIS data are based on household interviews of the civilian noninstitutionalized population, whereas NHDS data are based on hospital discharge records of all persons. See Appendix II, Hospital utilization. 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 92 (page 1 of 3). Rates of discharges and days of care in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2001**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Days of care		
	1990	2000 <sup>1</sup>	2001 <sup>2</sup>	1990	2000 <sup>1</sup>	2001 <sup>2</sup>
Both sexes						
Total <sup>3,4</sup>	125.2	113.3	115.3	818.9	557.8	563.2
Male						
Number per 1,000 population						
All ages <sup>3,4</sup>	113.0	99.1	100.2	805.8	536.0	535.7
Under 18 years <sup>4</sup>	46.3	40.9	43.8	233.6	195.6	200.7
Pneumonia	5.3	5.4	6.2	22.6	17.3	21.2
Asthma	3.3	3.5	2.0	9.3	7.4	4.8
Injuries and poisoning	6.8	5.0	5.2	30.1	21.4	*21.3
Fracture, all sites	2.2	1.8	1.7	9.3	7.2	6.0
18–44 years <sup>4</sup>	57.9	45.0	46.2	351.7	217.5	225.9
Alcohol and drug <sup>5</sup>	3.7	4.0	4.0	33.1	19.1	*20.4
Serious mental illness <sup>6</sup>	3.4	*5.3	*6.1	47.1	*43.6	*47.7
Diseases of heart	3.0	2.7	2.7	16.3	9.4	10.0
Intervertebral disc disorders	2.6	1.5	1.3	10.7	3.2	3.0
Injuries and poisoning	13.1	7.3	7.4	65.7	33.2	35.7
Fracture, all sites	4.0	2.5	2.7	22.7	12.8	12.7
45–64 years <sup>4</sup>	140.3	112.7	112.2	943.4	570.5	578.0
Malignant neoplasms	10.6	6.2	6.3	99.1	42.1	48.5
Trachea, bronchus, lung	2.7	0.9	0.9	19.1	5.2	*8.0
Diabetes	2.9	3.7	3.4	21.2	22.5	18.7
Alcohol and drug <sup>5</sup>	3.5	3.5	3.7	29.7	15.8	17.1
Serious mental illness <sup>6</sup>	2.5	*4.0	4.7	34.8	*34.6	*43.9
Diseases of heart	31.7	26.4	24.5	185.0	101.5	98.4
Ischemic heart disease	22.6	17.7	15.7	128.2	63.8	57.2
Acute myocardial infarction	7.4	5.9	5.5	55.8	27.8	25.3
Congestive heart failure	3.0	3.3	3.5	19.7	17.2	17.4
Cerebrovascular diseases	4.1	3.8	3.3	40.7	19.8	18.5
Pneumonia	3.5	3.4	3.4	27.4	20.5	18.4
Injuries and poisoning	11.6	8.8	9.8	82.6	49.8	50.0
Fracture, all sites	3.3	2.5	2.7	24.2	16.2	13.3
65–74 years <sup>4</sup>	287.8	264.9	260.9	2,251.5	1,489.6	1,473.0
Malignant neoplasms	27.9	17.6	18.0	277.6	121.2	136.2
Large intestine and rectum	3.0	3.0	2.8	34.2	27.3	24.0
Trachea, bronchus, lung	6.4	2.8	2.8	55.7	19.2	23.0
Prostate	5.1	3.7	3.4	33.1	14.0	*15.4
Diabetes	4.4	4.7	4.9	39.8	29.0	25.1
Serious mental illness <sup>6</sup>	2.5	*3.4	*2.9	43.8	39.9	*
Diseases of heart	69.4	70.6	68.2	487.2	331.9	315.0
Ischemic heart disease	42.0	39.6	38.6	285.2	171.1	169.7
Acute myocardial infarction	14.0	12.5	12.1	122.4	66.5	69.5
Congestive heart failure	11.4	13.4	12.9	90.2	76.8	74.7
Cerebrovascular diseases	13.8	13.2	13.1	114.8	59.0	62.1
Pneumonia	11.4	12.8	13.3	107.8	82.0	75.1
Hyperplasia of prostate	14.4	5.4	4.2	65.0	15.0	10.1
Osteoarthritis	5.0	9.6	7.8	44.9	46.7	35.1
Injuries and poisoning	17.6	17.9	17.3	139.0	105.7	127.5
Fracture, all sites	4.5	4.7	5.0	45.9	29.9	38.5
Fracture of neck of femur (hip)	1.5	*2.0	2.0	*18.1	*15.9	*15.6
75 years and over <sup>4</sup>	478.5	467.8	471.9	4,231.6	2,890.5	2,801.1
Malignant neoplasms	41.0	21.9	24.8	408.3	165.4	171.7
Large intestine and rectum	5.4	4.2	4.3	80.7	44.1	38.8
Trachea, bronchus, lung	5.4	3.0	4.1	53.4	18.3	28.8
Prostate	9.7	3.2	*4.3	65.6	*19.4	*18.0
Diabetes	4.6	6.5	6.1	51.2	43.2	39.6
Serious mental illness <sup>6</sup>	*2.6	2.9	3.1	*40.5	*32.7	*28.3
Diseases of heart	106.2	113.3	115.6	855.7	601.4	584.8
Ischemic heart disease	49.1	53.0	49.5	398.1	276.3	246.4
Acute myocardial infarction	23.1	23.0	21.1	227.5	136.6	136.3
Congestive heart failure	31.0	30.6	33.5	242.3	175.6	171.9
Cerebrovascular diseases	30.2	30.3	24.9	298.3	171.5	129.4
Pneumonia	38.6	37.2	39.5	393.6	233.5	254.5
Hyperplasia of prostate	17.9	6.8	7.2	109.2	21.6	*25.2
Osteoarthritis	5.8	6.2	8.2	60.7	28.8	36.4
Injuries and poisoning	31.2	33.6	31.6	341.3	257.9	206.2
Fracture, all sites	13.7	14.4	13.7	145.1	*119.3	99.4
Fracture of neck of femur (hip)	8.5	8.5	7.9	97.8	63.3	56.6

See footnotes at end of table.

**Table 92 (page 2 of 3). Rates of discharges and days of care in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2001**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Days of care		
	1990	2000 <sup>1</sup>	2001 <sup>2</sup>	1990	2000 <sup>1</sup>	2001 <sup>2</sup>
Female						
Number per 1,000 population						
All ages <sup>3,4</sup> . . . . .	139.0	127.8	130.9	840.5	581.2	592.9
Under 18 years <sup>4</sup> . . . . .	46.4	39.6	43.0	218.7	161.5	184.3
Pneumonia . . . . .	4.0	4.8	5.0	17.4	17.2	17.1
Asthma . . . . .	2.2	2.4	1.3	6.8	5.5	2.8
Injuries and poisoning . . . . .	4.3	3.1	3.4	16.7	*12.0	12.1
Fracture, all sites . . . . .	1.3	0.9	0.8	6.4	2.3	2.5
18–44 years <sup>4</sup> . . . . .	146.8	124.9	129.1	582.0	401.3	421.5
Delivery . . . . .	69.9	64.6	66.3	195.0	160.3	167.0
Alcohol and drug <sup>5</sup> . . . . .	1.6	*2.1	2.0	14.1	*10.8	*10.4
Serious mental illness <sup>6</sup> . . . . .	3.7	*5.4	6.1	54.3	*41.1	45.4
Diseases of heart . . . . .	1.3	1.7	1.8	7.2	6.3	6.3
Intervertebral disc disorders . . . . .	1.5	1.0	1.0	7.3	2.4	2.7
Injuries and poisoning . . . . .	6.7	4.3	4.8	36.6	18.1	18.7
Fracture, all sites . . . . .	1.6	1.0	1.1	10.7	4.5	4.8
45–64 years <sup>4</sup> . . . . .	131.0	110.2	111.9	886.5	533.7	551.6
Malignant neoplasms . . . . .	12.7	6.1	6.1	107.4	34.7	37.6
Trachea, bronchus, lung . . . . .	1.7	0.5	0.8	14.8	3.4	5.2
Breast . . . . .	2.8	1.3	1.2	12.1	2.6	3.0
Diabetes . . . . .	2.9	2.9	2.8	25.8	15.0	12.8
Alcohol and drug <sup>5</sup> . . . . .	1.0	1.5	1.5	8.0	*7.1	*7.0
Serious mental illness <sup>6</sup> . . . . .	4.0	4.6	5.6	60.5	42.7	58.1
Diseases of heart . . . . .	16.6	14.6	15.0	101.1	59.5	64.5
Ischemic heart disease . . . . .	9.9	7.8	8.2	57.4	29.5	32.5
Acute myocardial infarction . . . . .	2.8	2.0	2.6	21.6	10.0	14.6
Congestive heart failure . . . . .	2.1	2.9	2.8	15.8	13.6	14.3
Cerebrovascular diseases . . . . .	3.0	3.5	3.1	32.1	19.5	14.9
Pneumonia . . . . .	3.4	3.6	3.4	26.5	20.8	18.4
Injuries and poisoning . . . . .	9.4	7.7	8.5	63.3	41.2	45.9
Fracture, all sites . . . . .	3.1	2.7	2.5	25.0	13.3	11.5
65–74 years <sup>4</sup> . . . . .	241.1	246.1	252.3	1,959.3	1,397.1	1,431.5
Malignant neoplasms . . . . .	20.9	14.1	14.7	189.8	101.0	106.7
Large intestine and rectum . . . . .	2.4	1.7	2.1	34.9	15.2	19.0
Trachea, bronchus, lung . . . . .	2.6	2.4	2.3	26.9	*17.5	16.5
Breast . . . . .	3.9	2.8	2.2	17.6	*	5.4
Diabetes . . . . .	5.8	4.6	5.9	46.8	26.1	36.4
Serious mental illness <sup>6</sup> . . . . .	3.9	4.0	4.7	62.8	46.3	60.1
Diseases of heart . . . . .	45.1	52.1	48.8	316.9	256.0	237.9
Ischemic heart disease . . . . .	24.4	23.3	22.1	153.8	113.9	108.0
Acute myocardial infarction . . . . .	7.5	8.0	8.0	58.1	52.8	59.6
Congestive heart failure . . . . .	9.2	12.7	11.1	81.8	68.4	63.1
Cerebrovascular diseases . . . . .	11.3	12.3	11.7	96.0	59.4	61.8
Pneumonia . . . . .	8.7	11.7	11.5	81.8	73.5	74.7
Osteoarthritis . . . . .	6.9	9.3	10.0	68.9	43.6	46.6
Injuries and poisoning . . . . .	17.8	18.3	18.9	166.2	109.9	117.9
Fracture, all sites . . . . .	8.4	7.7	7.9	97.3	43.8	41.9
Fracture of neck of femur (hip) . . . . .	3.6	3.2	3.4	*59.6	21.1	20.3

See footnotes at end of table.

**Table 92 (page 3 of 3). Rates of discharges and days of care in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2001**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Days of care		
	1990	2000 <sup>1</sup>	2001 <sup>2</sup>	1990	2000 <sup>1</sup>	2001 <sup>2</sup>
Female—Con.	Number per 1,000 population					
75 years and over <sup>4</sup>	409.6	459.0	455.2	3,887.1	2,832.3	2,694.5
Malignant neoplasms	22.1	17.6	18.0	257.3	125.7	136.2
Large intestine and rectum	4.6	3.4	3.2	69.8	28.4	29.6
Trachea, bronchus, lung	2.1	1.9	1.8	20.6	14.0	13.8
Breast	3.9	2.5	2.6	22.0	*8.9	*9.5
Diabetes	4.6	6.3	6.3	55.3	34.0	32.8
Serious mental illness <sup>6</sup>	4.2	4.7	4.2	78.4	49.3	45.7
Diseases of heart	84.6	99.1	94.4	672.8	523.7	476.7
Ischemic heart disease	33.7	35.5	34.0	253.2	185.6	160.0
Acute myocardial infarction	13.1	16.5	16.9	125.9	110.7	101.6
Congestive heart failure	28.0	32.2	31.4	236.6	181.8	175.2
Cerebrovascular diseases	29.6	27.6	28.2	302.0	156.9	146.9
Pneumonia	23.9	30.5	26.7	260.1	209.8	180.8
Osteoarthritis	5.3	8.7	10.0	54.1	40.4	44.0
Injuries and poisoning	46.3	44.7	47.1	489.2	275.6	284.9
Fracture, all sites	31.5	30.0	30.1	352.7	190.1	179.9
Fracture of neck of femur (hip)	18.8	17.9	17.8	236.3	125.3	113.8

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

<sup>1</sup>The civilian population estimates used to compute rates for 2000 differ from those used in *Health, United States, 2002*. Rates for 2000 were computed using Census 2000 counts, while in the previous edition of *Health, United States*, rates for 2000 were computed using 1990-based postcensal estimates.

<sup>2</sup>Rates for 2001 were computed using 2000-based postcensal estimates.

<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 discharges with first-listed diagnoses not shown in table.

<sup>5</sup>Includes abuse, dependence, and withdrawal. These estimates are for non-Federal short-stay hospitals 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>6</sup>These estimates are for non-Federal short-stay hospitals 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. Rates are based on the civilian population as of July 1. Diagnostic categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX. Rates for 1990–99 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Rates for 1990–99 are not strictly comparable with rates for 2000 and 2001 because population estimates for 1990–99 have not been revised to reflect Census 2000. See Appendix I, National Hospital Discharge Survey. 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 93 (page 1 of 3). Discharges and average length of stay in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2001**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Average length of stay		
	1990	2000	2001	1990	2000	2001
Both sexes						
	Number in thousands			Number of days		
Total <sup>1,2</sup>	30,788	31,706	32,653	6.5	4.9	4.9
Male						
All ages <sup>1,2</sup>	12,280	12,514	12,852	7.1	5.4	5.3
Under 18 years <sup>2</sup>	1,572	1,515	1,629	5.0	4.8	4.6
Pneumonia	178	199	229	4.3	3.2	3.4
Asthma	111	129	76	2.8	2.1	2.3
Injuries and poisoning	232	185	192	4.4	4.3	*4.1
Fracture, all sites	76	68	63	4.2	3.9	3.5
18–44 years <sup>2</sup>	3,120	2,498	2,573	6.1	4.8	4.9
Alcohol and drug <sup>3</sup>	201	224	225	8.9	4.7	*5.1
Serious mental illness <sup>4</sup>	184	*296	*338	13.8	*8.2	*7.9
Diseases of heart	163	148	150	5.4	3.5	3.7
Intervertebral disc disorders	138	81	74	4.2	2.2	2.2
Injuries and poisoning	704	408	412	5.0	4.5	4.8
Fracture, all sites	217	141	148	5.6	5.0	4.8
45–64 years <sup>2</sup>	3,115	3,424	3,519	6.7	5.1	5.2
Malignant neoplasms	235	188	199	9.4	6.8	7.7
Trachea, bronchus, lung	60	26	28	7.1	6.0	*8.8
Diabetes	65	114	107	7.3	6.0	5.5
Alcohol and drug <sup>3</sup>	77	106	115	8.5	4.5	4.7
Serious mental illness <sup>4</sup>	56	*120	148	13.7	*8.8	*9.3
Diseases of heart	704	802	768	5.8	3.8	4.0
Ischemic heart disease	502	539	492	5.7	3.6	3.6
Acute myocardial infarction	165	178	172	7.5	4.7	4.6
Congestive heart failure	66	101	110	6.7	5.2	5.0
Cerebrovascular diseases	91	116	102	10.0	5.2	5.7
Pneumonia	77	104	108	7.9	6.0	5.4
Injuries and poisoning	257	266	307	7.2	5.7	5.1
Fracture, all sites	74	77	85	7.2	6.4	4.9
65–74 years <sup>2</sup>	2,268	2,199	2,165	7.8	5.6	5.6
Malignant neoplasms	220	146	149	9.9	6.9	7.6
Large intestine and rectum	24	24	23	11.4	9.2	8.7
Trachea, bronchus, lung	50	23	23	8.7	6.8	8.4
Prostate	40	31	28	6.5	3.8	*4.6
Diabetes	34	39	41	9.1	6.2	5.1
Serious mental illness <sup>4</sup>	20	*28	*24	17.4	*11.7	*
Diseases of heart	547	586	566	7.0	4.7	4.6
Ischemic heart disease	331	329	320	6.8	4.3	4.4
Acute myocardial infarction	110	104	100	8.8	5.3	5.8
Congestive heart failure	90	112	107	7.9	5.7	5.8
Cerebrovascular diseases	108	109	109	8.3	4.5	4.7
Pneumonia	90	106	111	9.5	6.4	5.6
Hyperplasia of prostate	113	45	35	4.5	2.8	2.4
Osteoarthritis	39	80	65	9.0	4.9	4.5
Injuries and poisoning	139	149	143	7.9	5.9	7.4
Fracture, all sites	36	39	41	10.2	6.4	7.8
Fracture of neck of femur (hip)	12	*17	17	*11.8	*7.9	*7.8
75 years and over <sup>2</sup>	2,203	2,878	2,966	8.8	6.2	5.9
Malignant neoplasms	189	135	156	10.0	7.6	6.9
Large intestine and rectum	25	26	27	15.0	10.6	9.1
Trachea, bronchus, lung	25	18	26	10.0	6.1	7.1
Prostate	45	20	*27	6.8	*6.1	*4.2
Diabetes	21	40	38	11.0	6.6	6.5
Serious mental illness <sup>4</sup>	*12	18	19	*15.5	*11.2	*9.1
Diseases of heart	489	697	727	8.1	5.3	5.1
Ischemic heart disease	226	326	311	8.1	5.2	5.0
Acute myocardial infarction	106	141	133	9.9	5.9	6.4
Congestive heart failure	143	188	210	7.8	5.7	5.1
Cerebrovascular diseases	139	186	157	9.9	5.7	5.2
Pneumonia	178	229	248	10.2	6.3	6.4
Hyperplasia of prostate	82	42	45	6.1	3.2	*3.5
Osteoarthritis	27	38	52	10.5	4.6	4.4
Injuries and poisoning	144	207	199	10.9	7.7	6.5
Fracture, all sites	63	89	86	10.6	*8.3	7.3
Fracture of neck of femur (hip)	39	52	50	11.5	7.5	7.1

See footnotes at end of table.

**Table 93 (page 2 of 3). Discharges and average length of stay in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2001**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Average length of stay		
	1990	2000	2001	1990	2000	2001
	Number in thousands			Number of days		
<b>Female</b>						
All ages <sup>1,2</sup> . . . . .	18,508	19,192	19,801	6.0	4.5	4.5
Under 18 years <sup>2</sup> . . . . .	1,500	1,397	1,523	4.7	4.1	4.3
Pneumonia . . . . .	129	168	176	4.4	3.6	3.5
Asthma . . . . .	71	85	45	3.1	2.3	2.2
Injuries and poisoning . . . . .	138	111	120	3.9	*3.8	3.6
Fracture, all sites . . . . .	42	32	30	5.0	2.5	2.9
18–44 years <sup>2</sup> . . . . .	8,018	6,941	7,178	4.0	3.2	3.3
Delivery . . . . .	3,815	3,588	3,685	2.8	2.5	2.5
Alcohol and drug <sup>3</sup> . . . . .	85	*116	112	9.1	*5.2	*5.2
Serious mental illness <sup>4</sup> . . . . .	200	*300	338	14.8	*7.6	7.5
Diseases of heart . . . . .	73	95	99	5.4	3.7	3.5
Intervertebral disc disorders . . . . .	84	58	55	4.7	2.3	2.7
Injuries and poisoning . . . . .	366	237	267	5.5	4.2	3.9
Fracture, all sites . . . . .	85	57	62	6.9	4.4	4.3
45–64 years <sup>2</sup> . . . . .	3,129	3,534	3,705	6.8	4.8	4.9
Malignant neoplasms . . . . .	303	195	203	8.5	5.7	6.1
Trachea, bronchus, lung . . . . .	41	17	28	8.6	6.4	6.2
Breast . . . . .	67	40	40	4.3	2.1	2.5
Diabetes . . . . .	70	93	94	8.9	5.2	4.5
Alcohol and drug <sup>3</sup> . . . . .	23	47	51	8.2	*4.8	*4.5
Serious mental illness <sup>4</sup> . . . . .	95	146	184	15.2	9.4	10.4
Diseases of heart . . . . .	397	470	497	6.1	4.1	4.3
Ischemic heart disease . . . . .	237	251	272	5.8	3.8	4.0
Acute myocardial infarction . . . . .	68	64	86	7.6	5.0	5.6
Congestive heart failure . . . . .	51	94	91	7.4	4.6	5.2
Cerebrovascular diseases . . . . .	72	113	102	10.7	5.5	4.9
Pneumonia . . . . .	80	117	113	7.9	5.7	5.4
Injuries and poisoning . . . . .	225	248	280	6.7	5.3	5.4
Fracture, all sites . . . . .	75	87	83	7.9	4.9	4.6
65–74 years <sup>2</sup> . . . . .	2,421	2,479	2,527	8.1	5.7	5.7
Malignant neoplasms . . . . .	210	142	147	9.1	7.2	7.3
Large intestine and rectum . . . . .	24	17	21	14.5	9.0	8.9
Trachea, bronchus, lung . . . . .	26	25	23	10.2	*7.1	7.2
Breast . . . . .	40	29	22	4.5	*	2.4
Diabetes . . . . .	59	47	59	8.0	5.6	6.1
Serious mental illness <sup>4</sup> . . . . .	39	40	47	16.3	11.7	12.8
Diseases of heart . . . . .	453	525	489	7.0	4.9	4.9
Ischemic heart disease . . . . .	245	235	222	6.3	4.9	4.9
Acute myocardial infarction . . . . .	75	81	80	7.8	6.6	7.4
Congestive heart failure . . . . .	92	128	111	8.9	5.4	5.7
Cerebrovascular diseases . . . . .	114	124	118	8.5	4.8	5.3
Pneumonia . . . . .	87	117	115	9.4	6.3	6.5
Osteoarthritis . . . . .	69	94	100	10.0	4.7	4.7
Injuries and poisoning . . . . .	179	185	189	9.3	6.0	6.2
Fracture, all sites . . . . .	85	77	79	11.5	5.7	5.3
Fracture of neck of femur (hip) . . . . .	36	32	34	*16.7	6.7	5.9

See footnotes at end of table.



**Table 93 (page 3 of 3). Discharges and average length of stay in non-Federal short-stay hospitals, according to sex, age, and selected first-listed diagnoses: United States, selected years 1990–2001**

[Data are based on a sample of hospital records]

Sex, age, and first-listed diagnosis	Discharges			Average length of stay		
	1990	2000	2001	1990	2000	2001
Female—Con.	Number in thousands			Number of days		
75 years and over <sup>2</sup> . . . . .	3,440	4,840	4,867	9.5	6.2	5.9
Malignant neoplasms . . . . .	185	186	192	11.7	7.1	7.6
Large intestine and rectum . . . . .	39	36	34	15.1	8.4	9.3
Trachea, bronchus, lung . . . . .	18	20	19	9.9	7.3	7.7
Breast . . . . .	33	27	28	5.7	*3.5	*3.7
Diabetes . . . . .	39	67	67	11.9	5.4	5.2
Serious mental illness <sup>4</sup> . . . . .	35	49	45	18.7	10.5	10.9
Diseases of heart . . . . .	711	1,045	1,010	8.0	5.3	5.0
Ischemic heart disease . . . . .	283	375	363	7.5	5.2	4.7
Acute myocardial infarction . . . . .	110	174	181	9.6	6.7	6.0
Congestive heart failure . . . . .	235	339	336	8.5	5.6	5.6
Cerebrovascular diseases . . . . .	249	292	301	10.2	5.7	5.2
Pneumonia . . . . .	201	322	286	10.9	6.9	6.8
Osteoarthritis . . . . .	45	91	107	10.2	4.7	4.4
Injuries and poisoning . . . . .	389	472	503	10.6	6.2	6.1
Fracture, all sites . . . . .	265	316	322	11.2	6.3	6.0
Fracture of neck of femur (hip) . . . . .	158	189	190	12.5	7.0	6.4

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

<sup>1</sup>Average length of stay 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 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 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*. For a listing of the code numbers, see Appendix II, table IX. 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 94 (page 1 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2001**

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory <sup>1</sup>			Inpatient <sup>2</sup>				2000 <sup>3</sup>	2001 <sup>4</sup>
	1994	1995	1996	1994	1995	1996	1999		
Both sexes									
Procedures per 1,000 population									
Total <sup>5,6</sup>	107.9	113.6	120.1	157.9	152.7	153.3	151.5	142.8	144.9
Male									
All ages <sup>5,6</sup>	102.5	107.9	115.0	139.1	135.1	136.1	133.4	124.1	124.9
Under 18 years <sup>6</sup>	45.6	43.0	44.7	36.0	37.4	36.3	37.6	34.7	39.9
Myringotomy with insertion of tube	9.1	8.5	8.2	0.4	0.3	0.4	*0.2	0.3	*0.2
Tonsillectomy, with or without adenoidectomy	3.6	4.1	3.6	0.4	0.4	0.4	*0.2	*0.2	0.3
Reduction of fracture	1.0	1.0	1.2	1.6	1.2	1.5	1.3	1.3	1.4
18–44 years <sup>6</sup>	58.4	61.3	63.7	62.7	59.5	58.1	52.5	49.2	50.0
Cardiac catheterization	0.5	*0.3	0.6	1.1	1.1	1.2	1.2	1.1	1.1
Endoscopy of small or large intestine with or without biopsy	5.2	5.2	5.8	2.0	1.8	1.5	1.5	1.5	1.7
Cholecystectomy	*0.2	*0.3	0.5	0.5	0.5	0.4	0.5	0.4	0.5
Reduction of fracture	1.0	1.0	1.4	2.3	2.5	2.4	2.2	2.1	2.0
Arthroscopy of the knee	3.5	4.0	3.4	0.5	0.3	*0.2	*	*	*
Excision or destruction of intervertebral disc	*	*	*0.3	1.7	1.5	1.4	1.4	1.3	1.2
Angiocardiology with contrast material	0.7	0.4	0.6	1.8	1.8	1.8	1.7	1.6	1.5
45–64 years <sup>6</sup>	132.7	146.8	155.9	189.0	180.7	185.9	177.9	165.8	161.5
Coronary angioplasty	*	*	*	5.6	5.6	6.4	7.2	5.7	5.7
Coronary artery bypass graft <sup>7</sup>	—	—	—	6.7	7.6	7.2	6.2	5.6	5.1
Cardiac catheterization	3.3	3.8	5.4	11.7	11.7	12.7	12.6	11.4	10.0
Endoscopy of small or large intestine with or without biopsy	20.2	21.1	21.8	7.2	6.5	6.4	5.8	6.0	6.1
Cholecystectomy	*0.5	*0.7	1.1	2.1	1.8	2.1	1.7	1.6	1.5
Prostatectomy	*	*	*	2.5	2.2	1.9	1.7	1.6	1.8
Reduction of fracture	*0.6	*0.8	0.8	2.3	2.3	2.0	1.9	1.9	2.0
Arthroscopy of the knee	3.7	4.5	4.4	*0.3	*	*	*	*	*
Excision or destruction of intervertebral disc	*	*	*	2.6	2.2	2.6	2.4	2.2	2.1
Angiocardiology with contrast material	4.6	5.1	6.4	16.0	15.8	17.7	15.7	14.7	11.9
65–74 years <sup>6</sup>	271.6	282.5	316.4	426.4	419.5	417.7	417.1	388.6	376.3
Coronary angioplasty	*	*	*	10.0	9.4	11.7	12.6	12.2	12.0
Extraction of lens	31.6	33.4	36.9	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	25.8	26.0	29.6	*	*	*	*	*	*
Coronary artery bypass graft <sup>7</sup>	—	—	—	15.4	18.3	19.2	15.9	13.5	14.2
Cardiac catheterization	5.7	7.1	10.2	22.3	23.6	23.1	24.1	22.4	22.9
Pacemaker insertion or replacement	*	*	*	5.6	4.8	5.7	5.0	4.4	4.2
Carotid endarterectomy	*	—	*	3.3	4.2	3.9	3.1	3.0	2.7
Endoscopy of small or large intestine with or without biopsy	42.6	42.8	40.2	18.4	16.5	16.6	17.1	16.6	16.8
Cholecystectomy	*	*	*	4.5	4.4	4.0	3.7	3.8	3.6
Prostatectomy	*	*	*1.5	14.2	12.3	10.3	9.1	8.6	7.4
Reduction of fracture	*	*	*	2.8	2.5	2.4	2.8	2.8	3.0
Total hip replacement	—	—	—	1.7	2.5	2.3	2.5	2.7	1.9
Angiocardiology with contrast material	9.0	9.3	13.5	31.0	30.5	29.7	30.3	28.0	27.6
75 years and over <sup>6</sup>	339.2	355.1	378.7	584.1	567.2	578.9	593.3	548.1	564.6
Coronary angioplasty	*	—	*	6.5	8.2	7.4	10.9	10.3	12.0
Extraction of lens	61.7	71.5	71.6	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	47.9	53.6	55.1	*	*	*	*	*	*
Coronary artery bypass graft <sup>7</sup>	—	—	—	10.7	12.5	11.6	11.5	12.4	11.4
Cardiac catheterization	*3.8	4.7	7.1	18.1	19.2	19.7	21.4	21.5	22.5
Pacemaker insertion or replacement	*	*	*	15.4	15.4	16.4	13.9	14.6	20.0
Carotid endarterectomy	*	—	—	3.6	4.6	4.6	4.2	4.3	4.9
Endoscopy of small or large intestine with or without biopsy	43.2	43.4	48.9	35.9	36.4	35.2	33.6	33.0	38.8
Cholecystectomy	*	*	*	6.2	5.5	5.8	4.5	4.6	5.9
Prostatectomy	*2.1	*2.3	*2.2	16.1	15.3	12.3	10.8	10.2	10.7
Reduction of fracture	*	*	*	6.4	6.4	6.6	6.3	6.6	6.4
Total hip replacement	—	—	—	2.2	2.1	2.2	2.5	1.8	2.3
Angiocardiology with contrast material	*3.8	5.5	10.3	24.2	24.0	25.9	25.5	27.0	25.5

See footnotes at end of table.

**Table 94 (page 2 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2001**

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory <sup>1</sup>			Inpatient <sup>2</sup>				2000 <sup>3</sup>	2001 <sup>4</sup>
	1994	1995	1996	1994	1995	1996	1999		
Female									
Procedures per 1,000 population									
All ages <sup>5,6</sup>	114.2	120.1	126.1	179.2	172.7	173.0	171.5	163.4	167.0
Under 18 years <sup>6</sup>	35.3	34.3	34.8	40.3	39.0	38.4	38.0	34.6	36.7
Myringotomy with insertion of tube	6.7	6.3	5.6	0.4	0.3	*0.3	*	*0.2	*0.2
Tonsillectomy, with or without adenoidectomy	4.8	4.4	4.7	0.5	0.4	0.3	*0.2	*0.2	*0.1
Reduction of fracture	*0.5	0.7	0.8	0.8	0.7	0.5	0.5	0.7	0.7
18–44 years <sup>6</sup>	94.9	96.9	102.2	203.6	195.4	195.0	185.8	184.0	189.5
Cardiac catheterization	*	*0.2	*0.3	0.5	0.5	0.4	0.6	0.6	0.5
Endoscopy of small or large intestine with or without biopsy	6.6	7.4	8.4	2.1	1.9	1.9	1.7	1.7	1.8
Cholecystectomy	1.4	1.9	2.2	2.2	2.4	2.0	1.8	1.9	2.2
Bilateral destruction or occlusion of fallopian tubes	5.6	6.4	5.7	6.6	5.9	6.2	5.9	5.7	5.8
Hysterectomy	*	*0.3	*0.2	5.4	5.9	5.6	5.7	5.7	5.9
Cesarean section <sup>8</sup>	–	–	–	15.0	13.8	14.6	14.7	15.0	17.0
Repair of current obstetrical laceration	*	*	*	15.7	16.8	18.3	19.4	19.6	20.4
Reduction of fracture	0.4	0.5	0.5	1.1	1.1	1.1	1.1	0.9	1.0
Arthroscopy of the knee	1.8	2.0	2.0	0.2	*0.1	*0.1	*	*	*
Excision or destruction of intervertebral disc	*	*	*	1.2	0.9	1.0	1.0	0.9	0.9
Lumpectomy	2.5	2.0	2.2	*0.1	*0.1	*	*	*	*
Mastectomy	*	*	*	0.3	0.2	0.2	0.2	0.2	0.3
45–64 years <sup>6</sup>	155.5	165.9	173.2	173.4	162.6	162.2	160.9	147.7	151.7
Coronary angioplasty	*	*	*	2.1	2.0	2.0	2.6	2.1	2.1
Coronary artery bypass graft <sup>7</sup>	–	–	–	2.0	1.7	2.0	1.8	1.4	1.8
Cardiac catheterization	2.2	2.0	2.4	6.0	5.4	6.0	6.1	5.4	5.8
Endoscopy of small or large intestine with or without biopsy	22.1	24.3	22.9	6.5	6.2	5.6	5.9	5.4	5.4
Cholecystectomy	1.8	2.3	3.3	3.7	3.5	3.4	2.9	2.5	2.5
Hysterectomy	*	*	*	7.2	7.1	7.9	7.9	7.9	7.8
Reduction of fracture	*0.7	*0.7	0.8	2.2	2.2	2.3	2.0	2.1	2.0
Arthroscopy of the knee	2.8	3.4	3.5	*	*	*	*	*	*
Excision or destruction of intervertebral disc	*	*	*	2.0	1.6	1.8	2.1	1.9	1.9
Lumpectomy	4.9	5.0	4.6	0.5	0.4	0.4	*0.3	0.4	*0.2
Mastectomy	*	*	*0.4	1.6	1.5	1.3	1.1	1.1	1.1
Angiocardiology with contrast material	3.0	2.7	3.3	8.5	8.1	8.4	8.5	7.6	7.5
65–74 years <sup>6</sup>	254.6	272.5	291.9	328.3	326.1	334.4	340.8	318.8	329.8
Coronary angioplasty	*	*	*	4.9	4.6	5.7	6.3	6.3	5.8
Extraction of lens	41.8	48.3	47.8	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	33.5	35.7	35.9	*	*	*	*	*	*
Coronary artery bypass graft <sup>7</sup>	–	–	–	5.1	6.1	6.7	6.5	5.1	4.7
Cardiac catheterization	3.3	3.6	5.4	12.6	12.4	14.7	15.0	13.5	13.1
Pacemaker insertion or replacement	*	*	*	4.3	3.9	3.7	5.6	3.8	4.3
Carotid endarterectomy	–	–	–	1.7	2.3	2.2	2.6	2.0	2.0
Endoscopy of small or large intestine with or without biopsy	39.0	41.0	45.5	16.1	18.2	14.7	18.2	18.1	18.0
Cholecystectomy	*1.3	*1.6	2.3	5.1	4.6	4.7	4.7	4.6	4.2
Hysterectomy	*	*	*	4.7	4.3	3.7	3.6	3.7	4.0
Reduction of fracture	*	*	*	4.7	4.4	5.0	4.4	4.9	5.2
Total hip replacement	–	–	*	2.6	2.7	2.9	3.3	2.5	2.8
Lumpectomy	4.4	4.7	4.9	*	*	*0.6	*	*0.7	*
Mastectomy	*	*	*	2.8	2.3	2.3	2.1	2.3	2.0
Angiocardiology with contrast material	4.8	5.0	6.9	18.0	17.5	20.3	19.9	17.5	17.9

See footnotes at end of table.

**Table 94 (page 3 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2001**

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory <sup>1</sup>			Inpatient <sup>2</sup>				2000 <sup>3</sup>	2001 <sup>4</sup>
	1994	1995	1996	1994	1995	1996	1999		
Female—Con.	Procedures per 1,000 population								
75 years and over <sup>6</sup> . . . . .	274.3	304.6	319.3	476.8	468.0	468.4	503.0	467.4	455.7
Coronary angioplasty . . . . .	*	*	*	4.0	4.2	4.3	6.0	6.0	5.9
Extraction of lens . . . . .	70.6	82.0	82.6	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos) . . . . .	54.5	61.3	61.4	*	*	*	*	*	*
Coronary artery bypass graft <sup>7</sup> . . . . .	—	—	—	3.4	4.1	4.6	5.8	4.4	3.8
Cardiac catheterization . . . . .	*1.5	*1.8	3.5	10.4	11.3	11.6	14.0	13.5	13.9
Pacemaker insertion or replacement . . . . .	*	*	*1.1	11.5	10.1	11.3	10.4	10.3	10.8
Carotid endarterectomy . . . . .	—	*	—	2.0	2.0	2.3	2.1	1.9	2.3
Endoscopy of small or large intestine with or without biopsy . . . . .	34.5	39.3	38.6	36.0	35.0	33.2	38.2	35.8	35.6
Cholecystectomy . . . . .	*	*	*1.2	4.3	5.5	5.0	5.3	4.1	4.9
Hysterectomy . . . . .	—	*	*	2.4	2.4	2.7	2.3	2.3	2.1
Reduction of fracture . . . . .	*	*	*	13.9	14.6	16.9	16.0	14.4	14.4
Total hip replacement . . . . .	—	*	*	3.2	3.3	3.5	3.3	2.9	3.9
Lumpectomy . . . . .	2.7	2.5	2.9	*	*0.7	*	*	*0.6	*
Mastectomy . . . . .	*	*	*	2.4	2.6	1.8	2.0	2.0	2.0
Angiocardigraphy with contrast material . . . . .	2.3	*2.1	5.5	14.5	15.6	15.6	17.8	17.4	18.8

\*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. Rates for ambulatory surgery preceded by an asterisk are based on 10,000–19,999 estimated procedures; those based on fewer than 10,000 are not shown. Estimates that are not shown generally have a relative standard error of more than 30 percent.

—Quantity zero.

<sup>1</sup>Data are from the National Survey of Ambulatory Surgery (conducted from 1994–96) and exclude ambulatory surgery procedures for patients who became inpatients. See Appendix II, Ambulatory surgery.

<sup>2</sup>Inpatient data are from the National Hospital Discharge Survey and exclude newborn infants.

<sup>3</sup>The civilian population estimates used to compute rates for 2000 differ from those used in *Health, United States, 2002*. Rates for 2000 were computed using Census 2000 counts, while in the previous edition of *Health, United States*, rates for 2000 were computed using 1990-based postcensal estimates.

<sup>4</sup>Rates for 2001 were computed using 2000-based postcensal estimates.

<sup>5</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>6</sup>Includes procedures not listed in table.

<sup>7</sup>Data in the main body of the table are for all-listed coronary artery bypass grafts. Often, more than one coronary bypass procedure is performed during a single operation. The following table gives additional information based on the number of inpatient discharges with one or more coronary artery bypass grafts.

Sex and age	1994	1995	1996	1997	1998	1999	2000 <sup>3</sup>	2001 <sup>4</sup>
	Inpatient discharges per 1,000 population							
Male:								
45–64 years . . . . .	4.1	4.5	4.2	4.0	3.9	3.6	3.3	3.0
65–74 years . . . . .	9.4	11.2	11.5	11.1	9.2	10.0	8.0	8.3
75 years and over . . . . .	7.6	8.9	7.6	6.9	8.1	7.5	7.8	6.8
Female:								
45–64 years . . . . .	1.3	1.0	1.2	1.2	1.0	1.1	0.9	1.1
65–74 years . . . . .	3.3	3.8	4.1	4.5	3.6	4.4	3.3	2.9
75 years and over . . . . .	2.3	3.0	3.3	3.4	3.0	3.7	2.8	2.4

<sup>8</sup>Cesarean sections accounted for 22.0 percent of deliveries in 1994, 20.8 percent in 1995, 21.8 percent in 1996, 21.5 percent in 1997, 22.5 percent in 1998, 22.1 percent in 1999, 22.9 percent in 2000, and 25.3 percent in 2001.

NOTES: Data in this table are for up to four procedures for inpatients and up to six procedures for ambulatory surgery patients. See Appendix II, Procedure. Procedure categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table X. Rates are based on the civilian population as of July 1. Rates for 1990–99 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Rates for 1990–99 are not strictly comparable with rates for 2000 and 2001 because population estimates for 1990–99 have not been revised to reflect Census 2000. See Appendix I, National Hospital Discharge Survey. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey and National Survey of Ambulatory Surgery.

**Table 96. Nursing home residents 65 years of age and over, according to age, sex, and race: United States, 1973–74, 1985, 1995, and 1999**

[Data are based on a sample of nursing home residents]

Age, sex, and race	Residents				Residents per 1,000 population			
	1973–74	1985	1995	1999	1973–74	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 by the direct method 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>Beginning in 1999 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: Excludes residents in personal care or domiciliary care homes. 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 in 1997, population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. 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.

**Table 97. Nursing home residents 65 years of age and over, according to 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>Beginning in 1999 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). 1989; and Centers for Disease Control and Prevention, National Center for Health Statistics, National Nursing Home Survey for other data years.

**Table 117 (page 1 of 2). Expenditures for health care and prescribed medicine according to selected population characteristics: United States, selected years 1987–99**

[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			
	1997	1998	1999	1987	1997	1998	1999	1987	1997	1998	1999
All ages . . . . .	271.3	273.5	276.4	84.5	84.1	83.8	84.3	\$1,562	\$2,424	\$2,444	\$2,557
Under 65 years:											
Total . . . . .	237.1	239.2	241.7	83.2	82.5	82.2	82.8	\$1,216	\$1,838	\$1,810	\$1,939
Under 6 years . . . . .	23.8	23.7	23.8	88.9	88.0	87.6	87.9	1,033	858	905	995
6–17 years . . . . .	48.1	48.7	48.8	80.2	81.7	80.6	81.5	681	963	888	1,022
18–44 years . . . . .	108.9	108.8	109.0	81.5	78.3	78.0	78.9	1,069	1,666	1,734	1,855
45–64 years . . . . .	56.3	58.0	60.1	87.0	89.2	89.2	88.9	2,070	3,226	2,996	3,125
Sex											
Male . . . . .	118.0	119.3	120.0	78.8	77.6	77.4	77.8	1,147	1,661	1,665	1,691
Female . . . . .	119.1	119.9	121.8	87.5	87.4	87.0	87.7	1,275	1,994	1,938	2,155
Hispanic origin and race											
Hispanic or Latino . . . . .	29.4	30.2	31.2	71.0	69.5	68.9	68.7	970	1,530	1,536	1,508
Not Hispanic or Latino:											
White . . . . .	166.2	167.4	168.3	86.9	87.2	87.1	87.5	1,220	1,972	1,877	2,039
Black or African American . . . . .	31.3	31.6	31.9	72.2	72.1	71.8	72.0	1,471	1,474	1,716	1,837
Other . . . . .	10.2	10.0	10.3	72.8	75.8	74.0	81.1	807	1,222	1,555	1,555
Insurance status <sup>3</sup>											
Any private insurance . . . . .	174.0	176.0	183.1	86.5	86.5	86.8	86.8	1,166	1,873	1,769	1,882
Public insurance only . . . . .	29.8	31.0	28.6	82.4	83.3	83.7	84.5	1,956	2,234	2,501	2,819
Uninsured all year . . . . .	33.3	32.3	30.1	61.8	61.1	55.6	56.4	760	1,098	1,156	1,214
65 years and over . . . . .	34.2	34.3	34.7	93.7	95.2	95.2	95.3	\$3,858	\$5,947	\$6,264	\$6,299
Sex											
Male . . . . .	14.6	14.3	14.6	92.0	94.5	94.2	94.9	3,948	6,683	5,333	6,615
Female . . . . .	19.6	20.0	20.1	94.9	95.7	95.9	95.6	3,795	5,405	6,917	6,070
Hispanic origin and race											
Hispanic or Latino . . . . .	1.7	1.8	1.8	82.5	94.2	93.5	94.3	3,674	6,223	5,488	6,518
Not Hispanic or Latino:											
White . . . . .	28.8	29.0	29.1	94.9	95.9	95.8	95.9	3,798	5,977	6,250	6,400
Black or African American . . . . .	2.8	2.9	2.9	88.5	92.2	92.1	92.9	4,650	5,857	6,703	5,584
Other . . . . .	*	*	0.8	*	*	*	*	*	*	*	*
Insurance status <sup>4</sup>											
Medicare only . . . . .	8.8	10.4	11.3	85.9	92.1	94.0	93.7	3,039	5,479	6,252	5,752
Medicare and private insurance . . . . .	21.7	19.5	19.5	95.4	97.0	96.3	97.3	3,817	5,800	5,931	6,133
Medicare and other public coverage . . . . .	3.2	3.9	3.4	94.4	93.2	95.0	90.5	5,928	8,382	8,004	9,515

See footnotes at end of table.



**Table 117 (page 2 of 2). Expenditures for health care and prescribed medicine according to selected population characteristics: United States, selected years 1987–99**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Prescribed medicine expenses <sup>5</sup>							
	Percent of persons with expense				Mean annual out-of-pocket expense per person with expense			
	1987	1997	1998	1999	1987	1997	1998	1999
All ages . . . . .	57.3	62.1	61.8	62.4	\$92	\$202	\$221	\$252
Under 65 years:								
Total . . . . .	54.0	58.7	58.1	58.7	\$68	\$143	155	175
Under 6 years . . . . .	61.8	61.3	59.0	58.5	24	35	35	36
6–17 years . . . . .	44.3	48.2	46.4	46.2	45	54	60	67
18–44 years . . . . .	51.3	55.9	55.6	56.4	53	122	129	146
45–64 years . . . . .	65.3	71.8	72.4	73.1	129	266	283	314
Sex								
Male . . . . .	46.5	51.5	50.6	51.6	63	127	128	157
Female . . . . .	61.4	65.8	65.7	65.7	72	155	175	188
Hispanic origin and race								
Hispanic or Latino . . . . .	41.6	47.7	47.6	45.9	49	95	107	140
Not Hispanic or Latino:								
White . . . . .	57.7	63.1	62.9	63.7	71	155	159	184
Black or African American . . . . .	44.1	50.0	47.7	48.1	60	115	177	158
Other . . . . .	41.1	44.8	42.9	48.7	50	124	145	133
Insurance status <sup>3</sup>								
Any private insurance . . . . .	56.5	61.6	61.3	61.8	70	136	135	156
Public insurance only . . . . .	56.5	62.0	61.2	61.8	47	141	212	252
Uninsured all year . . . . .	35.1	40.2	38.1	37.2	75	206	238	245
65 years and over . . . . .	81.6	86.0	87.5	88.0	\$212	\$483	\$531	\$614
Sex								
Male . . . . .	78.0	82.8	85.8	86.1	197	435	463	531
Female . . . . .	84.0	88.3	88.7	89.3	221	516	577	673
Hispanic origin and race								
Hispanic or Latino . . . . .	74.7	87.5	85.6	85.9	*280	394	394	463
Not Hispanic or Latino:								
White . . . . .	82.3	86.7	87.8	88.7	216	499	553	633
Black or African American . . . . .	79.5	85.3	88.0	85.4	166	401	385	554
Other . . . . .	*	*	*	*	*	*	*	*
Insurance status <sup>4</sup>								
Medicare only . . . . .	70.6	82.1	86.8	86.2	234	558	648	733
Medicare and private insurance . . . . .	83.4	88.1	88.4	89.9	220	490	511	592
Medicare and other public coverage . . . . .	88.2	85.0	86.8	84.4	80	270	303	394

\*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 percent.

<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. Over-the-counter medications, alternative care services, phone contacts with health providers, and premiums for health insurance are excluded.

<sup>2</sup>Includes persons who were in the civilian noninstitutionalized population for all or part of the year. Expenditures for persons who were 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>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>4</sup>Populations do not add to total because uninsured persons and persons with unknown insurance status were excluded.

<sup>5</sup>Includes expenses for all prescribed medications that were purchased or refilled during the survey year.

NOTES: 1987 estimates are based on the National Medical Expenditure Survey (NMES) while 1996–99 estimates 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 percent reduction from the unadjusted 1987 NMES expenditure estimates. For a detailed explanation of this adjustment, see Zuvekas S and Cohen S. A guide to comparing health care estimates in the 1996 Medical Expenditure Panel Survey to the 1987 National Medical Expenditure Survey. Inquiry, vol. 39. Spring 2002. Persons of Hispanic origin may be of any race. 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 1996–99 Medical Expenditure Panel Surveys.

**Table 118 (page 1 of 2). Sources of payment for health care according to selected population characteristics: United States, selected years 1987–99**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	All sources	Sources of payment for health care							
		Out of pocket				Private insurance <sup>1</sup>			
		1987	1997	1998	1999	1987	1997	1998	1999
All ages . . . . .	100.0	24.8	19.4	Percent distribution		36.6	40.3	38.4	39.9
Under 65 years:				19.3	19.2				
Total . . . . .	100.0	26.2	21.1	21.6	20.7	46.6	53.1	52.7	53.9
Under 6 years . . . . .	100.0	18.5	14.2	11.4	13.8	39.5	49.3	57.9	45.2
6–17 years . . . . .	100.0	35.7	29.0	28.3	27.2	47.3	53.2	55.2	53.4
18–44 years . . . . .	100.0	27.4	21.1	21.8	19.5	46.8	52.9	51.1	55.7
45–64 years . . . . .	100.0	24.0	20.1	21.1	21.3	47.8	53.6	52.9	53.4
Sex									
Male . . . . .	100.0	24.5	21.3	20.4	20.5	44.6	50.3	50.8	51.8
Female . . . . .	100.0	27.5	21.0	22.5	20.9	48.1	55.1	54.1	55.3
Hispanic origin and race									
Hispanic or Latino . . . . .	100.0	22.0	18.8	17.9	19.3	36.1	42.3	39.7	44.2
Not Hispanic or Latino:									
White . . . . .	100.0	28.2	21.8	23.0	22.1	50.1	55.8	56.7	56.9
Black or African American . . . . .	100.0	15.5	17.1	15.8	13.2	30.0	42.3	34.0	43.8
Other . . . . .	100.0	27.2	21.2	18.4	16.9	46.7	45.2	55.0	40.2
Insurance status									
Any private insurance <sup>2</sup> . . . . .	100.0	29.0	21.6	22.2	21.4	60.0	67.6	69.1	69.7
Public insurance only <sup>3</sup> . . . . .	100.0	8.9	10.6	10.7	10.3	...	...	...	...
Uninsured all year <sup>4</sup> . . . . .	100.0	40.6	41.3	47.7	45.7	...	...	...	...
65 years and over . . . . .	100.0	22.0	16.3	15.3	16.4	15.8	16.5	13.5	13.9
Sex									
Male . . . . .	100.0	21.7	14.2	15.8	14.0	17.6	20.1	17.2	13.7
Female . . . . .	100.0	22.2	18.1	15.0	18.3	14.4	13.2	11.5	14.1
Hispanic origin and race									
Hispanic or Latino . . . . .	100.0	*13.5	13.6	11.2	10.1	*4.7	5.9	5.8	*10.8
Not Hispanic or Latino:									
White . . . . .	100.0	23.7	17.0	16.3	17.0	16.7	17.9	14.6	14.4
Black or African American . . . . .	100.0	11.2	11.4	8.9	13.5	*11.9	8.8	6.0	10.9
Other . . . . .	100.0	*	*	*	*	*	*	*	*
Insurance status									
Medicare only . . . . .	100.0	29.8	19.8	17.1	19.7	...	...	...	...
Medicare and private insurance . . . . .	100.0	23.4	17.3	16.8	17.4	18.9	25.7	23.5	23.9
Medicare and other public coverage . . . . .	100.0	*6.2	5.2	5.6	5.4	...	...	...	...

See footnotes at end of table.

**Table 118 (page 2 of 2). Sources of payment for health care according to selected population characteristics: United States, selected years 1987–99**

[Data are based on household interviews of a sample of the noninstitutionalized population and a sample of medical providers]

Characteristic	Sources of payment for health care							
	Public coverage <sup>5</sup>				Other <sup>6</sup>			
	1987	1997	1998	1999	1987	1997	1998	1999
	Percent distribution							
All ages . . . . .	34.1	34.4	36.5	35.7	4.5	5.9	5.9	5.1
Under 65 years:								
Total . . . . .	21.3	18.1	18.6	19.2	6.0	7.7	7.1	6.2
Under 6 years . . . . .	35.8	25.4	24.9	31.1	6.2	11.2	5.8	*9.9
6–17 years . . . . .	11.8	14.1	12.8	14.7	5.2	3.7	3.6	4.7
18–44 years . . . . .	19.4	15.7	17.3	18.1	6.4	10.3	9.7	6.7
45–64 years . . . . .	22.4	20.3	20.3	19.8	5.8	6.0	5.6	5.6
Sex								
Male . . . . .	23.9	19.5	18.7	19.8	7.1	8.9	10.1	7.9
Female . . . . .	19.2	17.0	18.5	18.8	5.2	6.8	4.9	5.0
Hispanic origin and race								
Hispanic or Latino . . . . .	35.8	28.9	29.3	26.6	6.0	10.0	13.1	9.9
Not Hispanic or Latino:								
White . . . . .	15.9	15.3	13.9	15.0	5.8	7.1	6.3	5.9
Black or African American . . . . .	47.2	30.7	41.1	37.4	7.3	9.9	9.0	5.7
Other . . . . .	21.0	23.7	23.4	*37.5	5.1	9.9	3.1	*5.4
Insurance status								
Any private insurance <sup>2</sup> . . . . .	6.2	6.6	5.0	5.1	4.8	4.2	3.6	3.8
Public insurance only <sup>3</sup> . . . . .	87.2	80.7	79.0	82.1	3.9	8.7	*10.3	7.6
Uninsured all year <sup>4</sup> . . . . .	28.6	7.5	6.7	*16.1	30.9	51.1	45.6	38.2
65 years and over . . . . .	60.8	64.8	67.6	66.6	1.5	2.5	3.6	3.1
Sex								
Male . . . . .	58.8	63.4	62.8	69.4	*1.9	2.3	4.1	2.8
Female . . . . .	62.3	65.9	70.2	64.3	1.1	2.7	3.3	*3.3
Hispanic origin and race								
Hispanic or Latino . . . . .	80.2	77.8	81.2	76.5	*1.6	*2.7	*1.9	*2.7
Not Hispanic or Latino:								
White . . . . .	58.0	62.6	65.6	65.3	1.6	2.5	3.5	3.3
Black or African American . . . . .	76.3	77.6	79.8	73.5	0.6	2.2	5.3	2.1
Other . . . . .	*	*	*	*	*	*	*	*
Insurance status								
Medicare only . . . . .	68.8	72.4	73.9	73.0	1.4	7.7	9.0	7.4
Medicare and private insurance . . . . .	56.1	56.3	58.8	57.5	1.6	0.6	0.9	*1.1
Medicare and other public coverage . . . . .	92.9	92.7	92.0	92.2	1.0	*2.1	*2.4	*2.4

...Category not applicable.

\*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 percent.

<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>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>3</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>4</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 were 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>5</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>6</sup>Other sources—Includes Workers' Compensation, unclassified sources (automobile, homeowner's, 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) while 1996–99 estimates 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 percent reduction from the unadjusted 1987 NMES expenditure estimates. For a detailed explanation of this adjustment, see Zuvekas S and Cohen S. A guide to comparing health care estimates in the 1996 Medical Expenditure Panel Survey to the 1987 National Medical Expenditure Survey. Inquiry. vol. 39. Spring 2002. Persons of Hispanic origin may be of any race. 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 1996–99 Medical Expenditure Panel Surveys.

**Table 119. Health care expenses paid out of pocket for persons with medical expenses by age: United States 1987, 1998, and 1999**

[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 expense	Total	Amount paid out of pocket for persons with expense <sup>1</sup>					
			\$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
1998	83.8	100.0	7.7	36.5	15.8	16.1	12.2	11.8
1999	84.3	100.0	7.4	35.9	15.5	15.6	12.8	12.7
Under 6 years								
1987	88.9	100.0	19.2	38.7	18.9	14.7	5.3	3.2
1998	87.6	100.0	17.4	60.1	12.4	6.8	2.3	0.9
1999	87.9	100.0	17.7	60.5	12.2	5.9	2.6	1.1
6-17 years								
1987	80.2	100.0	15.5	37.9	18.2	12.4	8.5	7.6
1998	80.6	100.0	16.3	47.0	15.0	11.1	5.6	5.1
1999	81.5	100.0	15.0	46.6	15.4	11.2	6.0	5.8
18-44 years								
1987	81.5	100.0	10.1	32.3	17.7	18.2	11.9	9.8
1998	78.0	100.0	6.4	40.2	17.9	17.0	10.7	7.7
1999	78.9	100.0	6.4	40.2	17.6	16.6	11.1	8.1
45-64 years								
1987	87.0	100.0	5.7	20.4	15.6	20.7	18.8	18.8
1998	89.2	100.0	2.9	25.6	16.2	20.1	17.7	17.5
1999	88.9	100.0	2.7	24.0	16.4	19.7	19.0	18.2
65-74 years								
1987	92.8	100.0	5.3	15.4	11.6	18.5	22.1	27.1
1998	94.3	100.0	2.0	17.8	13.3	20.7	20.6	25.6
1999	95.3	100.0	1.4	16.1	11.3	17.9	23.7	29.6
75 years or more								
1987	95.1	100.0	5.6	12.9	10.0	17.1	21.2	33.2
1998	96.3	100.0	3.0	14.3	11.6	17.7	22.2	31.3
1999	95.3	100.0	2.6	14.5	10.2	18.6	20.2	33.8

<sup>1</sup>1987 dollars were converted to 1998 dollars using the national Consumer Price Index (CPI).

NOTES: Out-of-pocket expenses include 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 contained 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 percent reduction from the unadjusted 1987 NMES expenditure estimates. For a detailed explanation of this adjustment, see Zuvekas S and Cohen S. A guide to comparing health care estimates in the 1996 Medical Expenditure Panel Survey to the 1987 National Medical Expenditure Survey. Inquiry. vol 39. Spring 2002.

SOURCES: Agency for Healthcare Research and Quality, Center for Cost and Financing Studies. 1987 National Medical Expenditure Survey and 1998 and 1999 Medical Expenditure Panel Surveys.

**Table 123. Nursing home average monthly charges per resident and percent of residents, according to selected facility and resident characteristics: United States, 1977, 1985, 1995, 1997, and 1999**

[Data are based on reporting by a sample of nursing homes]

Facility and resident characteristic	Average monthly charge <sup>1</sup>					Percent of residents				
	1977	1985	1995	1997	1999	1977	1985	1995	1997	1999
<b>Facility characteristic</b>										
All facilities . . . . .	\$689	\$1,456	\$3,135	\$3,609	\$ 3,891	100.0	100.0	100.0	100.0	100.0
<b>Ownership:</b>										
Proprietary . . . . .	670	1,379	3,047	3,508	3,698	68.2	68.7	63.6	65.5	64.4
Nonprofit and government . . . . .	732	1,624	3,288	3,792	4,225	31.8	31.3	36.4	34.5	35.6
<b>Certification:</b>										
Both Medicare and Medicaid . . . . .	---	---	3,317	3,765	4,060	---	---	78.4	84.9	86.9
Medicare only . . . . .	---	---	4,211	4,221	4,437	---	---	3.0	2.9	2.3
Medicaid only . . . . .	---	---	2,169	2,436	2,508	---	---	15.8	9.7	8.8
Neither . . . . .	---	---	2,323	2,422	*2,360	---	---	2.8	2.4	*2.0
<b>Bed size:</b>										
Less than 50 beds . . . . .	546	1,036	4,978	3,521	3,808	12.9	8.9	4.5	3.9	3.6
50–99 beds . . . . .	643	1,335	2,691	3,178	3,627	30.5	27.6	24.9	24.7	25.5
100–199 beds . . . . .	706	1,478	3,028	3,592	3,867	38.8	43.2	51.1	51.9	50.8
200 beds or more . . . . .	837	1,759	3,560	4,211	4,281	17.9	20.2	19.5	19.5	20.1
<b>Geographic region:</b>										
Northeast . . . . .	918	1,781	3,904	4,589	4,852	22.4	23.6	22.8	23.3	23.5
Midwest . . . . .	640	1,399	2,740	3,203	3,474	34.5	32.5	32.3	31.0	30.6
South . . . . .	585	1,256	2,752	3,225	3,263	27.2	29.4	32.0	32.6	32.6
West . . . . .	653	1,458	3,710	3,791	4,725	15.9	14.5	12.9	13.1	13.2
<b>Resident characteristic</b>										
All residents . . . . .	689	1,456	3,135	3,609	3,891	100.0	100.0	100.0	100.0	100.0
<b>Age:</b>										
Under 65 years . . . . .	585	1,379	3,662	3,760	4,158	13.6	11.6	8.0	8.5	9.7
65–74 years . . . . .	669	1,372	3,409	3,877	4,134	16.2	14.2	12.0	12.8	12.0
75–84 years . . . . .	710	1,468	3,138	3,595	3,960	35.7	34.1	32.5	32.8	31.8
85 years and over . . . . .	719	1,497	2,974	3,521	3,731	34.5	40.0	47.5	45.9	46.5
<b>Sex:</b>										
Male . . . . .	652	1,438	3,345	3,758	4,043	28.8	28.4	26.6	27.8	28.1
Female . . . . .	705	1,463	3,059	3,553	3,833	71.2	71.6	73.4	72.2	71.9

--- Data not available.

\* Starting in 1997 data preceded by an asterisk have a relative standard error of 20–30 percent and are considered unreliable.

<sup>1</sup>Includes life-care residents and no-charge residents.

NOTE: Data for additional years are available (see Appendix III).

SOURCES: Van Nostrand JF, Zappolo A, Hing E, et al. The National Nursing Home Survey, 1977 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(43). 1979; 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.

**Table 130 (page 1 of 4). Health insurance coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2001**

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

Characteristic	Private insurance <sup>1</sup>						Private insurance obtained through workplace <sup>1,2</sup>					
	1989	1995	1998	1999	2000	2001	1989	1995	1998	1999	2000	2001
Number in millions												
Total <sup>3</sup> . . . . .	22.4	23.5	21.5	20.8	20.6	20.6	11.2	12.4	12.0	11.3	11.7	11.9
Percent of population												
Total, age adjusted <sup>3,4</sup> . . . . .	76.1	74.5	66.7	64.0	63.1	62.7	37.3	38.9	37.1	34.6	35.6	36.0
Total, crude <sup>3</sup> . . . . .	76.5	74.6	66.7	64.1	63.1	62.7	38.4	39.5	37.3	34.9	35.8	36.1
Age												
65–74 years . . . . .	78.2	75.1	66.6	64.5	62.7	63.0	43.7	43.3	40.4	38.6	39.4	39.7
75 years and over . . . . .	73.9	73.9	66.8	63.5	63.6	62.4	30.2	34.1	33.5	30.3	31.4	31.9
75–84 years . . . . .	75.9	75.7	68.1	64.6	64.6	63.9	32.0	36.0	35.7	32.3	33.1	33.3
85 years and over . . . . .	65.5	67.3	61.8	59.6	59.5	57.0	22.8	27.3	25.3	23.2	24.7	26.7
Sex <sup>4</sup>												
Male . . . . .	77.4	76.6	68.5	64.5	64.3	63.8	42.1	43.3	41.4	38.6	39.7	40.1
Female . . . . .	75.4	73.2	65.5	63.8	62.2	61.9	34.0	35.8	34.0	31.8	32.5	33.0
Race <sup>4,5</sup>												
White only . . . . .	79.8	78.3	70.3	67.6	66.9	66.4	38.7	40.4	38.5	35.8	37.2	37.4
Black or African American only . . . . .	42.3	40.3	40.3	39.9	35.6	37.6	23.7	24.6	27.4	27.5	25.0	27.9
American Indian and Alaska Native only . . . . .	*	*	*37.9	*35.2	*	*31.8	*	*	*	*33.3	*	*
Asian only . . . . .	#	#	40.8	33.1	43.3	40.9	#	#	28.3	21.4	23.2	23.5
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	*	*	*	---	---	---	*	*	*
2 or more races . . . . .	---	---	---	56.0	63.1	50.0	---	---	---	*26.9	48.4	32.3
Hispanic origin and race <sup>4,5</sup>												
Hispanic or Latino . . . . .	42.3	39.8	29.1	26.9	23.4	24.0	22.2	18.4	17.9	17.4	15.1	16.2
Mexican . . . . .	33.5	31.8	26.5	27.4	20.3	24.8	20.2	15.9	17.5	16.9	12.8	16.8
Not Hispanic or Latino . . . . .	77.2	76.2	68.7	66.2	65.5	65.2	37.7	39.9	38.2	35.7	36.8	37.2
White only . . . . .	81.0	80.3	72.3	69.7	69.1	68.8	39.3	41.7	39.5	36.8	38.3	38.6
Black or African American only . . . . .	42.4	40.1	40.5	40.1	35.6	37.6	23.7	24.4	27.6	27.6	25.0	28.0
Percent of poverty level <sup>4,6</sup>												
Below 100 percent . . . . .	46.1	40.0	32.8	28.3	29.9	27.8	11.6	13.8	10.2	8.8	10.8	11.9
100–149 percent . . . . .	67.7	67.6	48.7	44.6	44.2	45.7	22.2	26.7	19.3	14.7	16.1	20.6
150–199 percent . . . . .	81.1	76.0	65.6	62.0	63.1	63.1	39.0	38.7	31.4	27.2	29.8	28.1
200 percent or more . . . . .	85.5	85.3	78.6	75.5	74.4	74.2	49.4	49.3	49.8	45.4	47.3	46.8
Geographic region <sup>4</sup>												
Northeast . . . . .	76.1	76.2	72.0	66.0	66.7	66.1	42.2	44.6	43.9	39.7	38.7	38.8
Midwest . . . . .	81.9	82.3	78.3	77.0	75.9	72.4	40.0	44.7	41.6	38.5	41.2	40.5
South . . . . .	73.0	70.7	62.0	60.2	58.4	60.2	32.0	33.7	33.3	31.0	31.9	34.1
West . . . . .	74.7	68.8	54.9	51.5	51.5	51.7	37.1	33.6	30.9	30.6	31.7	30.6
Location of residence <sup>4</sup>												
Within MSA <sup>7</sup> . . . . .	76.6	74.7	65.5	62.8	61.4	61.2	39.9	40.9	38.7	36.0	36.9	36.5
Outside MSA <sup>7</sup> . . . . .	74.8	73.9	70.6	68.2	68.5	68.1	30.2	32.2	31.8	30.0	31.5	34.1

See footnotes at end of table.

**Table 130 (page 2 of 4). Health insurance coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2001**

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

Characteristic	Medicare fee-for-service only <sup>1,8</sup>						Medicare health maintenance organization <sup>1,9</sup>					
	1989	1995	1998	1999	2000	2001	1989	1995	1998	1999	2000	2001
Number in millions												
Total <sup>3</sup> . . . . .	4.5	4.6	4.7	5.1	5.5	5.9	---	---	4.7	5.2	5.0	4.2
Percent of population												
Total, age adjusted <sup>3,4</sup> . . . . .	15.7	14.8	14.5	15.8	16.8	17.9	---	---	14.4	16.0	15.2	12.9
Total, crude <sup>3</sup> . . . . .	15.4	14.7	14.5	15.8	16.8	17.9	---	---	14.5	16.0	15.2	12.9
Age												
65–74 years . . . . .	13.8	14.4	13.7	15.6	16.4	17.4	---	---	15.3	16.1	15.8	12.8
75 years and over . . . . .	17.8	15.2	15.4	15.9	17.4	18.4	---	---	13.5	15.9	14.6	13.1
75–84 years . . . . .	16.2	14.1	14.2	15.2	16.0	17.0	---	---	13.7	16.5	15.5	13.4
85 years and over . . . . .	24.9	19.2	19.7	18.4	22.7	23.7	---	---	12.8	13.7	11.1	11.9
Sex <sup>4</sup>												
Male . . . . .	14.9	14.3	13.2	15.4	16.1	17.4	---	---	14.7	16.5	15.6	12.5
Female . . . . .	16.2	15.0	15.4	16.0	17.4	18.2	---	---	14.2	15.6	15.0	13.3
Race <sup>4,5</sup>												
White only . . . . .	13.9	13.5	13.3	14.4	15.5	16.5	---	---	14.0	15.8	15.2	13.0
Black or African American only . . . . .	34.9	29.0	26.7	28.0	29.6	30.5	---	---	17.6	16.5	14.7	11.2
American Indian and Alaska Native only . . . . .	*	*	*26.6	*39.1	*	*37.9	---	---	*	*	*	*
Asian only . . . . .	#	#	*12.6	22.0	21.4	19.8	---	---	17.0	18.9	16.0	13.4
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	*	*	*	---	---	---	*	*	*
2 or more races . . . . .	---	---	---	*19.1	*	*21.7	---	---	---	*21.8	*29.8	*16.3
Hispanic origin and race <sup>4,5</sup>												
Hispanic or Latino . . . . .	22.7	23.6	20.6	22.8	20.8	23.9	---	---	24.4	25.7	25.0	20.1
Mexican # . . . . .	#	#	21.5	26.3	22.7	29.3	---	---	23.3	26.0	24.5	18.9
Not Hispanic or Latino . . . . .	15.5	14.3	14.2	15.3	16.6	17.5	---	---	13.9	15.4	14.6	12.5
White only . . . . .	13.6	12.9	12.9	13.9	15.3	16.1	---	---	13.5	15.2	14.5	12.5
Black or African American only . . . . .	34.9	29.1	26.7	28.0	29.6	30.5	---	---	17.5	16.5	14.7	11.2
Percent of poverty level <sup>4,6</sup>												
Below 100 percent . . . . .	26.4	23.4	21.9	24.8	23.6	23.3	---	---	11.0	13.8	14.4	8.6
100–149 percent . . . . .	20.7	18.6	22.2	23.1	22.0	24.5	---	---	16.6	17.7	17.0	12.5
150–199 percent . . . . .	13.6	16.8	14.3	17.1	16.6	16.6	---	---	18.6	20.4	16.0	15.0
200 percent or more . . . . .	11.0	10.8	8.0	10.3	11.4	11.5	---	---	15.2	15.7	16.7	14.5
Geographic region <sup>4</sup>												
Northeast . . . . .	17.4	15.3	12.3	13.8	17.1	17.6	---	---	12.7	17.5	12.5	13.5
Midwest . . . . .	13.8	11.0	12.9	11.7	13.5	16.1	---	---	7.7	9.0	8.4	7.5
South . . . . .	16.6	15.9	17.5	20.3	19.6	19.7	---	---	12.5	12.2	13.2	10.2
West . . . . .	14.4	17.2	13.7	14.9	15.7	17.3	---	---	28.2	31.0	30.6	23.8
Location of residence <sup>4</sup>												
Within MSA <sup>7</sup> . . . . .	15.9	14.9	13.4	14.9	16.4	17.6	---	---	17.7	19.7	18.7	15.8
Outside MSA <sup>7</sup> . . . . .	15.5	14.2	18.2	18.7	18.2	19.0	---	---	3.5	3.4	4.4	3.1

See footnotes at end of table.



**Table 130 (page 3 of 4). Health insurance coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2001**

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

Characteristic	Medicaid <sup>1,10</sup>					
	1989	1995	1998	1999	2000	2001
	Number in millions					
Total <sup>3</sup> . . . . .	2.0	3.0	2.6	2.4	2.5	2.7
	Percent of population					
Total, age adjusted <sup>3,4</sup> . . . . .	7.2	9.6	8.1	7.4	7.6	8.1
Total, crude <sup>3</sup> . . . . .	7.0	9.4	8.1	7.3	7.6	8.1
Age						
65–74 years . . . . .	6.3	8.4	7.8	6.6	7.7	7.8
75 years and over . . . . .	8.2	10.9	8.4	8.1	7.5	8.5
75–84 years . . . . .	7.9	9.9	7.8	7.2	7.2	8.1
85 years and over . . . . .	9.7	14.3	10.5	11.4	8.6	10.3
Sex <sup>4</sup>						
Male . . . . .	5.2	5.8	6.2	5.3	5.5	6.1
Female . . . . .	8.6	12.2	9.5	8.8	9.2	9.7
Race <sup>4,5</sup>						
White only . . . . .	5.6	7.4	6.4	5.6	5.6	6.2
Black or African American only . . . . .	21.2	28.4	18.0	18.2	19.6	20.0
American Indian and Alaska Native only . . . . .	*	*	*	*	*35.8	*
Asian only . . . . .	#	#	33.4	28.2	21.3	23.7
Native Hawaiian and Other Pacific Islander only . . . . .	---	---	---	*	*	*
2 or more races . . . . .	---	---	---	*	*	*19.9
Hispanic origin and race <sup>4,5</sup>						
Hispanic or Latino . . . . .	26.4	32.7	27.2	24.0	29.6	30.1
Mexican . . . . .	#	#	29.0	17.5	28.1	25.6
Not Hispanic or Latino . . . . .	6.6	8.5	7.1	6.4	6.3	6.8
White only . . . . .	4.9	6.1	5.4	4.7	4.6	4.9
Black or African American only . . . . .	21.1	28.5	18.0	18.1	19.5	20.0
Percent of poverty level <sup>4,6</sup>						
Below 100 percent . . . . .	28.2	36.4	36.7	35.7	35.0	38.8
100–149 percent . . . . .	9.0	12.8	14.1	15.3	16.2	18.6
150–199 percent . . . . .	4.7	5.9	6.1	4.2	4.7	7.1
200 percent or more . . . . .	2.4	2.4	3.5	2.9	2.8	3.1
Geographic region <sup>4</sup>						
Northeast . . . . .	5.4	8.9	7.5	7.3	7.4	7.9
Midwest . . . . .	3.7	5.8	4.9	5.7	4.5	5.1
South . . . . .	9.7	11.8	9.6	8.2	9.4	9.3
West . . . . .	9.4	11.5	10.2	8.2	8.6	10.0
Location of residence <sup>4</sup>						
Within MSA <sup>7</sup> . . . . .	6.5	8.9	8.0	6.9	7.2	8.1
Outside MSA <sup>7</sup> . . . . .	8.8	11.7	8.4	8.8	9.0	8.3

See footnotes at end of table.

**Table 130 (page 4 of 4). Health insurance coverage for persons 65 years of age and over, according to type of coverage and selected characteristics: United States, selected years 1989–2001**

[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 percent. Data not shown have a relative standard error of greater than 30 percent.

# Estimates calculated upon request.

--- Data not available.

<sup>1</sup>Almost all persons 65 years of age and over are covered by Medicare also. In 2001, 90 percent of older persons with private insurance also had Medicare.

<sup>2</sup>Private insurance originally obtained through a present or former employer or union. Starting in 1997 also includes private insurance obtained through workplace, self-employed, or professional association.

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

<sup>4</sup>Estimates are for persons 65 years of age and older and are age adjusted to the year 2000 standard using two age groups: 65–74 years and 75 years and over. See Appendix II, Age adjustment.

<sup>5</sup>The race groups, white, black, American Indian and Alaska Native (AI/AN), Asian, Native Hawaiian and 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 data year 1999 race-specific estimates are tabulated according to 1997 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 1997 Standards. The 1999 and later 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 data year 1999, data were tabulated according to 1977 Standards with four racial groups and the category "Asian only" included Native Hawaiian and 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. The effect of the 1997 Standard on the 1999 estimates can be seen by comparing 1999 data tabulated according to the two Standards: Age-adjusted estimates based on the 1977 Standards of the percent with private health insurance are: 0.1 percentage points lower for the white group; 0.3 percentage points higher for the black group; and 1 percentage point higher for the Asian and Pacific Islander group than estimates based on the 1997 Standards. See Appendix II, Race.

<sup>6</sup>Missing family income data were imputed for 22–25 percent of the sample 65 years of age and over in 1994–96. Percent of poverty level was unknown for 29 percent of sample persons 65 or older in 1997, 34 percent in 1998, 38 percent in 1999, 39 percent in 2000, and 40 percent in 2001. See Appendix II, Family income; Poverty level.

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

<sup>8</sup>Medicare fee-for-service only includes persons who are not covered by private health insurance, Medicaid, or a Medicare health maintenance organization.

<sup>9</sup>Persons reporting Medicare coverage are considered to have HMO coverage if they responded yes when asked if they were under a Medicare managed care arrangement such as an HMO.

<sup>10</sup>Includes public assistance through 1996. Starting in 1997 includes State-sponsored health plans. In 2001 the age-adjusted percent of the population 65 years of age and over covered by Medicaid was 7.6 percent, and 0.5 percent were covered by State-sponsored health plans.

NOTES: In 1997 the National Health Interview Survey (NHIS) was redesigned, including changes to the questions on health insurance coverage. See Appendix I, National Health Interview Survey and Appendix II, Health insurance coverage. Percents do not add to 100 because elderly persons with more than one type of insurance in addition to Medicare appear in more than one column, and because the percent of elderly persons without health insurance (1.3 percent in 2001) is not shown. 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, health insurance supplements (1984, 1989, 1994–1996). Starting in 1997 data are from the family core questionnaires.

**Table 135. Medicare enrollees and program payments among fee-for-service Medicare beneficiaries, according to sex and age: United States and other areas, 1994–2000**

[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
Fee-for-service enrollees in thousands							
Total . . . . .	34,076	34,062	33,704	33,009	32,349	32,179	32,740
Sex							
Male . . . . .	14,533	14,563	14,440	14,149	13,902	13,872	14,195
Female . . . . .	19,543	19,499	19,264	18,860	18,477	18,307	18,545
Age							
Under 65 years . . . . .	4,031	4,239	4,413	4,498	4,617	4,742	4,907
65–74 years . . . . .	16,713	16,373	15,810	15,099	14,433	14,072	14,230
75–84 years . . . . .	9,845	9,911	9,915	9,847	9,722	9,748	9,919
85 years and over . . . . .	3,486	3,540	3,566	3,565	3,577	3,618	3,684
Fee-for-service program payments in millions							
Total . . . . .	\$146,549	\$158,980	\$167,063	\$175,423	\$168,164	\$166,687	\$174,261
Sex							
Male . . . . .	63,907	68,758	71,011	75,357	72,883	73,171	76,230
Female . . . . .	82,642	90,222	95,052	100,066	95,281	93,516	98,031
Age							
Under 65 years . . . . .	18,835	21,029	24,160	25,798	23,746	24,262	25,773
65–74 years . . . . .	55,147	58,093	58,737	59,687	57,342	56,031	57,494
75–84 years . . . . .	50,719	55,256	58,058	61,708	59,745	59,518	62,685
85 years and over . . . . .	21,847	24,602	26,108	28,231	27,331	26,875	28,309
Percent distribution of fee-for-service program payments							
Total . . . . .	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
Female . . . . .	56.4	56.8	56.9	57.0	56.7	56.1	56.3
Age							
Under 65 years . . . . .	12.9	13.2	14.5	14.7	14.1	14.6	14.8
65–74 years . . . . .	37.6	36.5	35.2	34.0	34.1	33.6	33.0
75–84 years . . . . .	34.6	34.8	34.8	35.2	35.5	35.7	36.0
85 years and over . . . . .	14.9	15.5	15.6	16.1	16.3	16.1	16.2
Average fee-for-service payment per enrollee							
Total . . . . .	\$ 4,301	\$ 4,667	\$ 4,957	\$ 5,314	\$ 5,198	\$ 5,180	\$ 5,323
Sex							
Male . . . . .	4,397	4,721	4,918	5,326	5,243	5,275	5,370
Female . . . . .	4,229	4,627	4,934	5,306	5,165	5,108	5,286
Age							
Under 65 years . . . . .	4,673	4,960	5,475	5,735	5,143	5,117	5,252
65–74 years . . . . .	3,300	3,548	3,715	3,953	3,973	3,982	4,040
75–84 years . . . . .	5,152	5,576	5,856	6,267	6,145	6,106	6,320
85 years and over . . . . .	6,267	6,950	7,321	7,919	7,641	7,428	7,684

NOTES: Table includes data for Medicare enrollees residing in Puerto Rico, Virgin Islands, Guam, other outlying areas, foreign countries, and unknown residence. Some 1999 numbers in this table have been revised and differ from the previous edition of *Health, United States*.

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 2002. Website: [www.cms.hhs.gov/review/supp/](http://www.cms.hhs.gov/review/supp/).

**Table 136 (page 1 of 2). Medicare beneficiaries by race and ethnicity, according to selected characteristics: United States, 1992 and 1999**

[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	1999	1992	1999	1992	1999	1992	1999
	Number of beneficiaries in millions							
All Medicare beneficiaries . . . . .	36.8	40.4	30.9	32.4	3.3	3.6	1.9	2.8
	Percent distribution of beneficiaries							
All Medicare beneficiaries . . . . .	100.0	100.0	84.2	80.6	8.9	8.9	5.2	6.9
	Percent of beneficiaries with at least one service							
Medical care use								
All Medicare beneficiaries:								
Long-term care facility stay . . .	7.7	9.2	8.0	9.8	6.2	9.0	4.2	4.4
Community-only residents:								
Inpatient hospital . . . . .	17.9	19.4	18.1	19.5	18.4	22.3	16.6	16.9
Outpatient hospital . . . . .	57.9	68.5	57.8	69.2	61.1	69.9	53.1	61.8
Physician/supplier <sup>1</sup> . . . . .	92.4	94.6	93.0	95.5	89.1	91.1	87.9	89.8
Dental . . . . .	40.4	43.4	43.1	47.1	23.5	23.5	29.1	32.3
Prescription medicine . . . . .	85.2	89.8	85.5	90.2	83.1	88.4	84.6	89.0
	Expenditures <sup>2</sup>							
All Medicare beneficiaries:								
Total . . . . .	\$6,716	\$9,593	\$6,816	\$9,705	\$7,043	\$11,176	\$5,784	\$7,536
Long-term care facility . . . . .	1,581	2,128	1,674	2,276	1,255	2,188	*758	887
Community-only residents:								
Total personal health care . . . .	5,054	7,228	4,988	7,222	5,530	8,633	4,938	6,400
Inpatient hospital . . . . .	2,098	2,528	2,058	2,528	2,493	3,262	1,999	2,048
Outpatient hospital . . . . .	504	859	478	800	668	1,396	511	834
Physician/supplier <sup>1</sup> . . . . .	1,524	2,180	1,525	2,197	1,398	2,286	1,587	2,100
Dental . . . . .	142	252	153	276	70	121	97	171
Prescription medicine . . . . .	468	983	481	1,004	417	951	389	878
Long-term care facility residents only:								
Long-term care facility . . . . .	23,054	29,889	23,177	30,072	21,272	30,234	*25,026	*25,601
	Sex							
Percent distribution of beneficiaries								
Both sexes . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	42.9	43.7	42.7	43.5	42.0	40.7	46.7	47.4
Female . . . . .	57.1	56.3	57.3	56.5	58.0	59.3	53.3	52.6
	Eligibility criteria and age							
All Medicare beneficiaries <sup>3</sup> . . . . .								
Disabled . . . . .	10.2	13.3	8.6	11.3	19.1	23.5	16.5	20.3
Under 45 years . . . . .	3.5	3.8	2.9	3.2	7.6	7.9	6.9	5.2
45-64 years . . . . .	6.5	9.5	5.8	8.1	11.5	15.6	9.6	15.1
Aged . . . . .	89.8	86.8	91.4	88.7	81.0	76.6	83.5	79.7
65-74 years . . . . .	51.5	45.9	52.0	45.7	48.0	43.3	49.4	48.2
75-84 years . . . . .	28.8	29.9	29.5	31.6	24.0	23.6	27.1	22.6
85 years and over . . . . .	9.7	10.9	9.9	11.4	9.0	9.7	6.9	8.9
	Living arrangement							
All living arrangements . . . . .								
Alone . . . . .	27.0	29.4	27.5	30.0	27.7	31.8	20.2	22.6
With spouse . . . . .	51.2	49.3	53.3	51.2	33.3	31.6	50.4	48.5
With children . . . . .	9.1	9.3	7.7	7.5	16.8	17.8	16.6	16.3
With others . . . . .	7.6	7.3	6.2	6.4	18.1	13.4	10.8	10.7
Long-term care facility . . . . .	5.1	4.8	5.3	5.0	4.0	5.4	*2.0	*1.9

See footnotes at end of table.

**Table 136 (page 2 of 2). Medicare beneficiaries by race and ethnicity, according to selected characteristics: United States, 1992 and 1999**

[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	1999	1992	1999	1992	1999	1992	1999
Age and limitation of activity <sup>4</sup>	Percent distribution of beneficiaries							
Disabled . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	22.7	29.2	21.8	27.9	26.2	39.9	21.2	23.6
IADL only . . . . .	39.0	35.3	38.9	36.4	35.8	32.0	46.1	36.4
1 or 2ADL . . . . .	21.2	21.2	21.5	20.9	21.2	18.8	*20.9	*23.7
3-5ADL . . . . .	17.2	14.3	17.9	14.9	*16.8	*9.3	*11.9	*16.3
65-74 years . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	67.0	71.3	68.7	72.9	55.1	59.6	59.2	68.9
IADL only . . . . .	17.8	15.7	17.0	15.2	22.9	20.4	*20.9	16.1
1 or 2ADL . . . . .	10.4	8.7	9.6	8.2	14.4	11.8	*15.7	*10.6
3-5ADL . . . . .	4.8	4.4	4.6	3.7	*7.6	*8.2	*4.2	*4.3
75-84 years . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	46.6	52.9	47.5	53.7	42.0	46.9	44.3	50.2
IADL only . . . . .	23.9	21.3	23.6	21.1	26.7	19.8	*27.8	26.6
1 or 2ADL . . . . .	16.5	14.7	16.8	14.5	15.3	16.7	*14.9	*12.4
3-5ADL . . . . .	13.0	11.1	12.2	10.7	*15.9	16.6	*13.0	*10.8
85 years and over . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None . . . . .	19.9	24.5	20.2	25.0	*19.6	*21.6	*19.7	*23.2
IADL only . . . . .	20.9	21.5	20.2	21.1	*22.1	*22.3	*24.7	*26.2
1 or 2ADL . . . . .	23.5	21.6	23.5	22.5	*24.3	*14.7	*23.7	*23.6
3-5ADL . . . . .	35.8	32.3	36.1	31.5	*34.0	41.5	*31.8	*27.0

\*Estimates are considered unreliable. Cell is based on 50 persons or fewer or the estimate has a relative standard error of 30 percent or higher.

<sup>1</sup>Physician/supplier services include medical and osteopathic doctor and health practitioner visits; diagnostic laboratory and radiology services; medical and surgical services; 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 care. Does not include health insurance premiums.

<sup>3</sup>Medicare beneficiaries with end-stage renal disease (ESRD) are included within the subgroups "Aged" and "Disabled".

<sup>4</sup>See Appendix II for definitions of Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL). Includes data for both community and long-term care facility residents.

NOTE: 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; www.cms.hhs.gov/mcbs.

**Table 137. Medicaid recipients and medical vendor payments, according to basis of eligibility, and race and ethnicity: United States, selected fiscal years 1972–2000**

[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	1996	1997	1998 <sup>1</sup>	1999 <sup>2</sup>	2000
Recipients									
Number in millions									
All recipients . . . . .	17.6	21.6	25.3	36.3	36.1	34.9	40.6	40.1	42.8
Percent of recipients									
Basis of eligibility: <sup>3</sup>									
Aged (65 years and over) . . . . .	18.8	15.9	12.7	11.4	11.9	11.3	9.8	9.4	8.7
Blind and disabled . . . . .	9.8	13.5	14.7	16.1	17.2	17.6	16.3	16.7	16.1
Adults in families with dependent children <sup>4</sup> . . . . .	17.8	22.6	23.8	21.0	19.7	19.5	19.5	18.7	20.5
Children under age 21 <sup>5</sup> . . . . .	44.5	43.2	44.4	47.3	46.3	45.3	46.7	46.9	46.1
Other Title XIX <sup>6</sup> . . . . .	9.0	6.9	3.9	1.7	1.8	6.3	7.8	8.4	8.6
Race and ethnicity: <sup>7</sup>									
White . . . . .	---	---	42.8	45.5	44.8	44.4	41.3	---	---
Black or African American . . . . .	---	---	25.1	24.7	23.9	23.5	24.2	---	---
American Indian or Alaska Native . . . . .	---	---	1.0	0.8	0.8	1.0	0.8	---	---
Asian or Pacific Islander . . . . .	---	---	2.0	2.2	2.1	1.9	2.5	---	---
Hispanic or Latino . . . . .	---	---	15.2	17.2	17.5	14.3	15.6	---	---
Unknown . . . . .	---	---	14.0	9.6	10.9	14.9	15.5	---	---
Vendor payments <sup>8</sup>									
Amount in billions									
All payments . . . . .	\$ 6.3	\$ 23.3	\$ 64.9	\$120.1	\$121.7	\$124.4	\$ 142.3	\$ 153.5	\$ 168.3
Percent distribution									
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Basis of eligibility:									
Aged (65 years and over) . . . . .	30.6	37.5	33.2	30.4	30.4	30.3	28.5	27.7	26.4
Blind and disabled . . . . .	22.2	32.7	37.6	41.1	42.8	43.5	42.4	42.9	43.2
Adults in families with dependent children <sup>4</sup> . . . . .	15.3	13.9	13.2	11.2	10.1	9.9	10.4	10.3	10.6
Children under age 21 <sup>5</sup> . . . . .	18.1	13.4	14.0	15.0	14.4	14.1	16.0	15.7	15.9
Other Title XIX <sup>6</sup> . . . . .	13.9	2.6	1.6	1.2	1.2	2.2	2.6	3.4	3.9
Race and ethnicity: <sup>7</sup>									
White . . . . .	---	---	53.4	54.3	54.1	55.0	54.3	---	---
Black or African American . . . . .	---	---	18.3	19.2	18.7	18.5	19.6	---	---
American Indian or Alaska Native . . . . .	---	---	0.6	0.5	0.6	0.6	0.8	---	---
Asian or Pacific Islander . . . . .	---	---	1.0	1.2	1.1	0.9	1.4	---	---
Hispanic or Latino . . . . .	---	---	5.3	7.3	7.4	6.8	8.2	---	---
Unknown . . . . .	---	---	21.3	17.6	18.1	18.2	15.7	---	---
Vendor payments per recipient <sup>8</sup>									
Amount									
All recipients . . . . .	\$ 358	\$1,079	\$2,568	\$3,311	\$3,369	\$3,568	\$ 3,501	\$ 3,819	\$ 3,936
Basis of eligibility:									
Aged (65 years and over) . . . . .	580	2,540	6,717	8,868	8,622	9,538	10,242	11,268	11,929
Blind and disabled . . . . .	807	2,618	6,564	8,435	8,369	8,832	9,095	9,832	10,559
Adults in families with dependent children <sup>4</sup> . . . . .	307	662	1,429	1,777	1,722	1,809	1,876	2,104	2,030
Children under age 21 <sup>5</sup> . . . . .	145	335	811	1,047	1,048	1,111	1,203	1,282	1,358
Other Title XIX <sup>6</sup> . . . . .	555	398	1,062	2,380	2,152	1,242	1,166	1,532	1,778
Race and ethnicity: <sup>7</sup>									
White . . . . .	---	---	3,207	3,953	4,074	4,421	4,609	---	---
Black or African American . . . . .	---	---	1,878	2,568	2,631	2,798	2,836	---	---
American Indian or Alaska Native . . . . .	---	---	1,706	2,142	2,298	2,500	3,297	---	---
Asian or Pacific Islander . . . . .	---	---	1,257	1,713	1,767	1,610	1,924	---	---
Hispanic or Latino . . . . .	---	---	903	1,400	1,428	1,699	1,842	---	---
Unknown . . . . .	---	---	3,909	6,099	5,603	4,356	3,531	---	---

--- Data not available.

<sup>1</sup>Prior to 1998 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. Prior to 1998 vendor payments exclude payments to health maintenance organizations and other prepaid health plans (\$19.3 billion in 1998 and \$18 billion in 1997). The total number of persons who were Medicaid eligible and enrolled was 41.4 million in 1998, 41.6 million in 1997, and 41.2 million in 1996 (HCFA Medicaid Statistics, Program and Financial Statistics FY1996, FY1997, and FY1998, unpublished).

<sup>2</sup>Starting in 1999, the Medicaid data system was changed (see Appendix I, Medicaid Data System).

<sup>3</sup>In 1980 and 1985 recipients included in more than one category. In 1990–96, 0.2–2.5 percent of recipients have unknown basis of eligibility. From 1997 onwards, unknowns are included in Other Title XIX.

<sup>4</sup>Includes adults in the Aid to Families with Dependent Children (AFDC) program. From 1997 onwards includes adults in the Temporary Assistance for Needy Families (TANF) program.

<sup>5</sup>Includes children in the AFDC program. From 1997 onwards includes children and foster care children in the TANF program.

<sup>6</sup>Includes some participants in the Supplemental Security Income program and other people deemed medically needy in participating States. From 1997 onwards excludes foster care and includes unknown eligibility.

<sup>7</sup>Race and ethnicity as determined on initial Medicaid application. Categories are mutually exclusive.

<sup>8</sup>Vendor payments exclude disproportionate share hospital payments (\$15 billion in 1999 and 2000).

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 onwards Medicaid Statistical Information System, MSIS. [www.cms.hhs.gov/medicaid/msis/mstata.asp](http://www.cms.hhs.gov/medicaid/msis/mstata.asp).