National Vital Statistics Reports
From the CENTERS FOR DISEASE CONTROL AND PREVENTION
National Center for Health Statistics
National Vital Statistics System

Volume 47, Number 13 December 24, 1998

United States Abridged Life Tables, 1996

by Robert N. Anderson, Ph.D., Division of Vital Statistics

Abstract

The life tables in this report are current abridged life tables for the United States based on age-specific death rates in 1996. The data used to prepare these abridged life tables are 1996 final mortality statistics and July 1, 1996, population estimates. Presented are tables showing life expectancy and survivorship by age, race, and sex. In 1996 the overall expectation of life at birth was 76.1 years, an increase of 0.3 years compared with life expectancy in 1995. Life expectancy increased from 1995 to 1996 for each of the four race-sex groups for which life expectancy is reported. Life expectancy increased for white males by 0.5 year (from 73.4 to 73.9), for black males by 0.9 year (from 65.2 to 66.1), for white females by 0.1 year (from 79.6 to 79.7), and for black females by 0.3 year (from 73.9 to 74.2).

Introduction

Death rates for a specific period may be summarized by the life table method to obtain measures of comparative longevity. There are two types of life tables—the generation or cohort life table and the current life table.

The generation life table provides a "longitudinal" perspective in that it follows the mortality experience of a particular cohort, all persons born in the year 1900, for example, from the moment of birth through consecutive ages in successive calendar years. Based on age-specific death rates observed through consecutive calendar years, the generation life table reflects the mortality experience of an actual cohort from birth until no lives remain in the group. To prepare just a single complete generation life table requires data over many years. It is not feasible to construct generation life tables entirely on the basis of actual data for cohorts born in this century (1). It is necessary to project data for the incomplete period for cohorts whose life spans are not yet complete (2).

The better-known current life table may, in contrast, be characterized as "cross-sectional." Unlike the generation life table, the current life table does not represent the mortality experience of an actual cohort. Rather, the current life table considers a hypothetical cohort and assumes that it is subject to the age-specific death rates observed for an actual population during a particular period. Thus, for example, a current life table for 1996 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1996. The current life table may thus be characterized as rendering a "snapshot" of current mortality experience, and shows the long-range implications of a set of age-specific death rates that prevailed in a given year. In this report the term "life table" refers only to the current life table and not to the generation life table.

Data and methods

The data used to prepare the abridged U.S. life tables for 1996 are final mortality statistics for 1996 and the July 1, 1996, population estimates by age, race, and sex prepared by the U.S. Bureau of the Census. Life tables can be classified in two ways according to the length of the age interval in which data are presented. A complete life table contains data for every single year of age. An abridged life table, on the other hand, typically contains data by 5- or 10-year age intervals. The abridged U.S. life tables are constructed by reference to a "standard" table (see Technical notes).

Expectation of life—The most frequently used life table statistic is life expectancy ($^{o}e_{x}$), which is the average number of years of life remaining for persons who have attained a given age (x). Life expectancy and other life table values at specified ages in 1996 are shown

Acknowledgments

This report was prepared in the Division of Vital Statistics under the general direction of Harry M. Rosenberg, Chief of the Mortality Statistics Branch. Jaleh Mousavi and Gail A. Parr provided computer programming support. Registration Methods staff and the Data Acquisition and Evaluation Branch provided consultation to State vital statistics offices regarding collection of the death certificate data on which this report is based. This report was edited by Demarius V. Miller, typeset by Jacqueline M. Davis, and graphics produced by Jarmila Ogburn of the Publications Branch, Division of Data Services.

for the total population and by race and sex in table 1. In addition, life expectancies at single years of age by race and sex are shown in table 3.

Life expectancy at birth for 1996 for the total population was 76.1 years. This represents the average number of years that the members of the life table cohort may expect to live at the time of birth (table 1).

Survivors to specified ages—Another way of assessing the longevity of the life table cohort is by determining the proportion who survive to specified ages. The l_x column of the life table provides the data for computing the proportion. For instance, 80,870 persons out of the original 1996 life table cohort of 100,000 (or 80.9 percent) were alive at exact age 65 (table 2).

Explanation of the columns of the life table

Column 1—Age interval (x to x + n)—This column shows the age interval between the two exact ages indicated. For instance, "20–25" means the 5-year interval between the 20th and 25th birthdays.

Column 2—Proportion dying ($_nq_x$)—This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval and who will die before reaching the end of that age interval. For example, for males in the age interval 20–25 years, the proportion dying is 0.00755: Out of every 1,000 males alive and exactly 20 years of age at the beginning of the period, nearly 8 will die before reaching their 25th birthday. In other words, the $_nq_x$ values represent probabilities that persons who are alive at the beginning of a specific age interval will die before reaching the beginning of the next age interval. The "proportion dying" column forms the basis of the life table. The life table is so constructed that all other columns are derived from it.

Column 3—Number surviving (l_x)—This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval. The l_x values are computed from the $_nq_x$ values, which are successively applied to the remainder of the original 100,000 persons still alive at the beginning of each age interval. Thus out of 100,000 male babies born alive, 99,198 will complete the first year of life and enter the second; 99,032 will begin the sixth year; 98,237 will reach age 20; and 24,949 will live to age 85.

Column 4—Number dying ($_nd_x$)—This column shows the number dying in each successive age interval out of 100,000 live births. Out of 100,000 males born alive, 802 will die in the first year of life; 166 in the succeeding 4 years; 742 in the 5-year period between exact ages 20 and 25, and 24,949 will die after reaching age 85. Each figure in column 4 is the difference between two successive figures in column 3.

Columns 5 and 6—Stationary population ($_nL_x$ and T_x)—Suppose that a group of 100,000 individuals like that assumed in columns 3 and 4 is born every year and that the proportions dying in each such group in each age interval throughout the lives of the members are exactly those shown in column 2. If there were no migration and if the births were evenly distributed over the calendar year, the survivors of these births would make up what is called a stationary population—stationary because in such a population the number of persons living in any given age group would never change. When individuals left the group, either by death or by growing older and entering the next higher age group, their places would immediately be taken by persons entering from the next lower age group. Thus, a census taken at any time in such a stationary community would always show the same total population and the same numerical distribution of that population among the various age groups. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who, each year, reach the birthday that marks the beginning of the age interval indicated in column 1, and column 4 shows the number of persons who die each year in the indicated age interval.

Column 5 shows the number of persons in the stationary population in the indicated age interval. For example, the figure given for males in the age interval 20–25 years is 489,370. This means that in a stationary population of males supported by 100,000 annual births and with proportions dying in each age group always in accordance with column 2, a census taken on any date would show 489,370 persons between exact ages 20 and 25 years. This figure also represents the average number of person-years of exposure to the risk of dying during the age interval 20–25 years.

Column 6 shows the total number of persons in the stationary population (column 5) in the indicated age interval and all subsequent age intervals. For example, in the stationary population of males referred to in the last illustration, column 6 shows that there would be at any given moment a total of 5,328,336 persons who have passed their 20th birthday. The male population at all ages 0 and above (the total male population of the stationary community) would be 7,305,955.

Column 7—Average remaining lifetime (^oe_x)—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age on the basis of a given set of age-specific rates of dying. To arrive at this value, it is first necessary to observe that the figures in column 5 of the life table can also be interpreted in terms of a single life table cohort without introducing the concept of the stationary population. From this point of view, each figure in column 5 represents the total time (in years) lived between two indicated birthdays by all those reaching the earlier birthday. Thus, the figure 489,370 for males in the age interval 20–25 is the total number of years lived between the 20th and 25th birthdays by the 98,237 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure 5,328,336 in column 6 is the total number of years lived after attaining age 20 by the 98,237 reaching that age. This number of years divided by the number of persons (5,328,336 divided by 98,237) gives 54.2 years as the average remaining lifetime of males at age 20.

Results

The expectation of life at birth for 1996 represents the average number of years that a group of infants would live if the infants were to experience throughout life the age-specific death rates prevailing in 1996. In 1996 the average expectation of life at birth was 76.1 years, an increase of 0.3 year compared with life expectancy in 1995 and represents a record high for life expectancy in the United States. The increase between 1995 and 1996 represents the continuation of the general upward trend in U.S. life expectancy observed throughout this century.

In 1996 life expectancy for females was 79.1 years, an increase of 0.2 year from 1995. Life expectancy was 73.1 years for males, a 0.6-year increase from 1995 to 1996. The difference in life expectancy between the sexes was 6.0 years in 1996, a slight narrowing from the difference (6.4) in the previous year. In contrast to the widening gap from 1900 to 1975 (2.0 years in 1900, 5.5 years in 1950, and 7.8 years in 1975), the difference in life expectancy between the sexes narrowed between 1979 and 1988 (7.8 years in 1979, 7.1 years in 1984, and 6.9 years in 1988) and between 1990 (7.0 years) and 1996 (6.0 years).

Between 1995 and 1996, life expectancy for the white population rose 0.3 year to 76.8 years. For the black population it increased 0.6 year from 69.6 years to 70.2 years, the first time black life expectancy has exceeded 70 years. The difference in life expectancy between the white and black populations was 6.6 years in 1996, a slight narrowing of the gap from 1994 (7.0 years) and 1995 (6.9 years). Although the white-black difference in life expectancy narrowed from 7.6 years in 1970 to 5.7 years in 1982, it increased to 7.1 years in 1993 before declining from 1994 to 1996.

Among the four race-sex groups (figure 1), white females continued to have the highest life expectancy at birth (79.7 years), followed by black females (74.2 years), white males (73.9 years), and black males (66.1 years). Between 1995 and 1996, life expectancy increased 0.5 year for white males (from 73.4 in 1995 to 73.9 in 1996) and 0.9 year for black males (from 65.2 in 1995 to 66.1 in 1996). Black males experienced an unprecedented decline in life expectancy every year for 1984–89 (3), but annual increases in 1990–92 and 1994–96. From 1995 to 1996, white female life expectancy increased by 0.1 year from 79.6 years to 79.7 years. Increases were noted nearly every year from 1970 to 1992 when white female life expectancy reached a record high of 79.8 years. However, in 1996 white female life expectancy was still 0.1 year less than the record high. From 1970 to 1992 life expectancy for black females also generally increased. From 1995 to 1996, life expectancy for black females rose from 73.9 years, where it had been virtually unchanged since 1992, to 74.2 years, an increase of 0.3 year. Overall, the largest gains in life expectancy between 1980 and 1996 was for white males (3.2 years), followed by black males (2.3 years), black females (1.7 years), and white females (1.6 years).

The 1996 life table may be used to compare life expectancies at any age from birth onward. On the basis of mortality experienced in 1996, a person aged 50 years could expect to live an average of 29.5 more years for a total of 79.5 years, and a person aged 65 years could expect to live an average of 17.5 more years for a total of 82.5 years (table 1).

References

1. Shryock HS, Siegel JS, et al. The methods and materials of demography, vol 2. U.S. Bureau of the Census. Washington: U.S. Government Printing Office. 1971.
2. Moriyama IM, Gustavus SO. Cohort mortality and survivorship, United States death-registration States, 1900–68. National Center for Health Statistics. Vital Health Stat 3(16). 1972.
3. Kochanek KD, Maurer JD, Rosenberg HM. Causes of death contributing to changes in life expectancy: United States, 1984–89. National Center for Health Statistics. Vital and Health Stat 20 (23). 1994.
4. Greville TNE, Carlson GA. Method of constructing the abridged life tables for the United States, 1949. National office of vital statistics. Vital statistics—special reports. Vol 33, no 15. Washington: Public Health Service. 1953.
5. Sirken MG. Comparison of two methods of constructing abridged life tables by reference to a "standard" table. National Center for Health Statistics. Vital Health Stat 2(4). 1966.
6. Greville TNE, Carlson GA. Estimated average length of life in the death-registration States. National Center for Health Statistics. Vital statistics—special reports. Vol 33, no 9. Washington: Public Health Service. 1951.
7. U.S. Bureau of the Census. U.S. population estimates, by age, race, sex, and Hispanic origin: 1996. Census file RES0796. 1997.
8. U.S. Bureau of the Census. Age, sex, race, and Hispanic origin information from the 1990 census: A comparison of census results

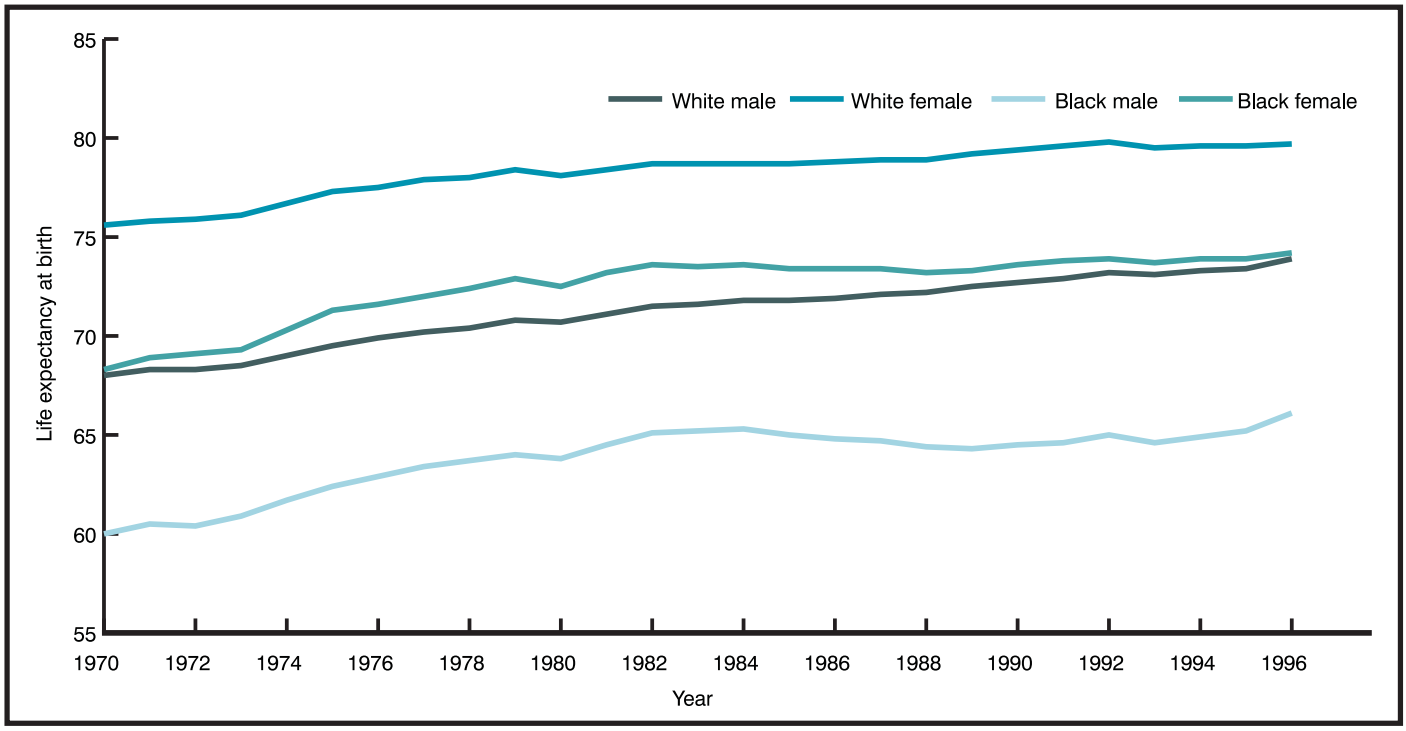

Figure 1. Life expectancy by race and sex: United States, 1970–96

where age and race have been modified. 1990 CPH-1–74. Washington: U.S. Department of Commerce. 1991.

List of detailed tables

Table 1. Abridged life tables by race and sex: United States, 1996

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x + n$	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\overset{o}{e}_x$
ALL RACES						
0-1	0.00732	100,000	732	99,370	7,611,825	76.1
1-5	0.00151	99,268	150	396,721	7,512,455	75.7
5-10	0.00097	99,118	96	495,329	7,115,734	71.8
10-15	0.00118	99,022	117	494,883	6,620,405	66.9
15-20	0.00390	98,905	386	493,650	6,125,522	61.9
20-25	0.00506	98,519	499	491,372	5,631,872	57.2
25-30	0.00544	98,020	533	488,766	5,140,500	52.4
30-35	0.00710	97,487	692	485,746	4,651,734	47.7
35-40	0.00944	96,795	914	481,820	4,165,988	43.0
40-45	0.01283	95,881	1,230	476,549	3,684,168	38.4
45-50	0.01801	94,651	1,705	469,305	3,207,619	33.9
50-55	0.02733	92,946	2,540	458,779	2,738,314	29.5
55-60	0.04177	90,406	3,776	443,132	2,279,535	25.2
60-65	0.06649	86,630	5,760	419,530	1,836,403	21.2
65-70	0.09663	80,870	7,814	385,659	1,416,873	17.5
70-75	0.14556	73,056	10,634	339,620	1,031,214	14.1
75-80	0.21060	62,422	13,146	280,047	691,594	11.1
80-85	0.31754	49,276	15,647	207,474	411,547	8.4
85 and over	1.00000	33,629	33,629	204,073	204,073	6.1
MALE						
0-1	0.00802	100,000	802	99,307	7,305,955	73.1
1-5	0.00167	99,198	166	396,407	7,206,648	72.6
5-10	0.00111	99,032	110	494,860	6,810,241	68.8
10-15	0.00142	98,922	140	494,355	6,315,381	63.8
15-20	0.00552	98,782	545	492,690	5,821,026	58.9
20-25	0.00755	98,237	742	489,370	5,328,336	54.2
25-30	0.00774	97,495	755	485,567	4,838,966	49.6
30-35	0.00994	96,740	962	481,323	4,353,399	45.0
35-40	0.01281	95,778	1,227	475,977	3,872,076	40.4
40-45	0.01714	94,551	1,621	468,983	3,396,099	35.9
45-50	0.02348	92,930	2,182	459,601	2,927,116	31.5
50-55	0.03465	90,748	3,144	446,380	2,467,515	27.2
55-60	0.05276	87,604	4,622	427,115	2,021,135	23.1
60-65	0.08395	82,982	6,966	398,394	1,594,020	19.2
65-70	0.12205	76,016	9,278	357,755	1,195,626	15.7
70-75	0.18255	66,738	12,183	303,928	837,871	12.6
75-80	0.25936	54,555	14,149	237,528	533,943	9.8
80-85	0.38255	40,406	15,457	162,498	296,415	7.3
85 and over	1.00000	24,949	24,949	133,917	133,917	5.4
FEMALE						
0-1	0.00659	100,000	659	99,435	7,907,507	79.1
1-5	0.00135	99,341	134	397,043	7,808,072	78.6
5-10	0.00083	99,207	82	495,812	7,411,029	74.7
10-15	0.00093	99,125	92	495,426	6,915,217	69.8
15-20	0.00220	99,033	218	494,654	6,419,791	64.8
20-25	0.00242	98,815	239	493,488	5,925,137	60.0
25-30	0.00311	98,576	307	492,128	5,431,649	55.1
30-35	0.00430	98,269	423	490,336	4,939,521	50.3
35-40	0.00608	97,846	595	487,848	4,449,185	45.5
40-45	0.00858	97,251	834	484,325	3,961,337	40.7
45-50	0.01269	96,417	1,224	479,247	3,477,012	36.1
50-55	0.02036	95,193	1,938	471,421	2,997,765	31.5
55-60	0.03150	93,255	2,938	459,363	2,526,344	27.1
60-65	0.05068	90,317	4,577	440,808	2,066,981	22.9
65-70	0.07484	85,740	6,417	413,497	1,626,173	19.0
70-75	0.11607	79,323	9,207	374,780	1,212,676	15.3
75-80	0.17495	70,116	12,267	321,360	837,896	12.0
80-85	0.27721	57,849	16,036	250,275	516,536	8.9
85 and over	1.00000	41,813	41,813	266,261	266,261	6.4

Table 1. Abridged life tables by race and sex: United States, 1996--Con.

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x + n$	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\overset{o}{e}_x$
WHITE						
0-1	0.00607	100,000	607	99,478	7,680,814	76.8
1-5	0.00131	99,393	130	397,268	7,581,336	76.3
5-10	0.00088	99,263	87	496,078	7,184,068	72.4
10-15	0.00110	99,176	109	495,673	6,687,990	67.4
15-20	0.00356	99,067	353	494,531	6,192,317	62.5
20-25	0.00439	98,714	433	492,501	5,697,786	57.7
25-30	0.00469	98,281	461	490,240	5,205,285	53.0
30-35	0.00612	97,820	599	487,635	4,715,045	48.2
35-40	0.00812	97,221	789	484,246	4,227,410	43.5
40-45	0.01110	96,432	1,070	479,683	3,743,164	38.8
45-50	0.01591	95,362	1,517	473,314	3,263,481	34.2
50-55	0.02502	93,845	2,348	463,748	2,790,167	29.7
55-60	0.03898	91,497	3,567	449,112	2,326,419	25.4
60-65	0.06330	87,930	5,566	426,531	1,877,307	21.4
65-70	0.09407	82,364	7,748	393,338	1,450,776	17.6
70-75	0.14211	74,616	10,604	347,547	1,057,438	14.2
75-80	0.20843	64,012	13,342	287,593	709,891	11.1
80-85	0.31626	50,670	16,025	213,550	422,298	8.3
85 and over	1.00000	34,645	34,645	208,748	208,748	6.0
WHITE, MALE						
0-1	0.00667	100,000	667	99,424	7,387,228	73.9
1-5	0.00147	99,333	146	396,994	7,287,804	73.4
5-10	0.00100	99,187	99	495,665	6,890,810	69.5
10-15	0.00131	99,088	130	495,208	6,395,145	64.5
15-20	0.00489	98,958	484	493,702	5,899,937	59.6
20-25	0.00650	98,474	640	490,791	5,406,235	54.9
25-30	0.00666	97,834	652	487,508	4,915,444	50.2
30-35	0.00865	97,182	841	483,828	4,427,936	45.6
35-40	0.01116	96,341	1,075	479,156	3,944,108	40.9
40-45	0.01492	95,266	1,421	473,038	3,464,952	36.4
45-50	0.02072	93,845	1,944	464,754	2,991,914	31.9
50-55	0.03163	91,901	2,907	452,732	2,527,160	27.5
55-60	0.04906	88,994	4,366	434,716	2,074,428	23.3
60-65	0.07965	84,628	6,741	407,217	1,639,712	19.4
65-70	0.11902	77,887	9,270	367,197	1,232,495	15.8
70-75	0.17863	68,617	12,257	313,206	865,298	12.6
75-80	0.25677	56,360	14,472	245,796	552,092	9.8
80-85	0.38180	41,888	15,993	168,535	306,296	7.3
85 and over	1.00000	25,895	25,895	137,761	137,761	5.3
WHITE, FEMALE						
0-1	0.00544	100,000	544	99,534	7,965,711	79.7
1-5	0.00113	99,456	112	397,555	7,866,177	79.1
5-10	0.00076	99,344	76	496,514	7,468,622	75.2
10-15	0.00087	99,268	86	496,158	6,972,108	70.2
15-20	0.00213	99,182	211	495,415	6,475,950	65.3
20-25	0.00213	98,971	211	494,332	5,980,535	60.4
25-30	0.00265	98,760	262	493,155	5,486,203	55.6
30-35	0.00356	98,498	351	491,652	4,993,048	50.7
35-40	0.00502	98,147	493	489,588	4,501,396	45.9
40-45	0.00725	97,654	708	486,634	4,011,808	41.1
45-50	0.01115	96,946	1,081	482,234	3,525,174	36.4
50-55	0.01859	95,865	1,782	475,162	3,042,940	31.7
55-60	0.02940	94,083	2,766	463,927	2,567,778	27.3
60-65	0.04817	91,317	4,399	446,259	2,103,851	23.0
65-70	0.07234	86,918	6,288	419,739	1,657,592	19.1
70-75	0.11269	80,630	9,086	381,663	1,237,853	15.4
75-80	0.17280	71,544	12,363	328,376	856,190	12.0
80-85	0.27543	59,181	16,300	256,366	527,814	8.9
85 and over	1.00000	42,881	42,881	271,448	271,448	6.3

Table 1. Abridged life tables by race and sex: United States, 1996--Con.

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x + n$	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\overset{o}{e}_x$
ALL OTHER						
0-1	0.01218	100,000	1,218	98,950	7,261,699	72.6
1-5	0.00227	98,782	224	394,602	7,162,749	72.5
5-10	0.00134	98,558	132	492,425	6,768,147	68.7
10-15	0.00152	98,426	150	491,816	6,275,722	63.8
15-20	0.00526	98,276	517	490,231	5,783,906	58.9
20-25	0.00768	97,759	751	487,024	5,293,675	54.2
25-30	0.00858	97,008	832	483,020	4,806,651	49.5
30-35	0.01156	96,176	1,112	478,196	4,323,631	45.0
35-40	0.01572	95,064	1,494	471,788	3,845,435	40.5
40-45	0.02158	93,570	2,019	463,108	3,373,647	36.1
45-50	0.02967	91,551	2,716	451,377	2,910,539	31.8
50-55	0.04123	88,835	3,663	435,478	2,459,162	27.7
55-60	0.05855	85,172	4,987	413,903	2,023,684	23.8
60-65	0.08672	80,185	6,954	384,118	1,609,781	20.1
65-70	0.11453	73,231	8,387	345,702	1,225,663	16.7
70-75	0.17395	64,844	11,280	296,555	879,961	13.6
75-80	0.23025	53,564	12,333	237,135	583,406	10.9
80-85	0.33037	41,231	13,621	171,855	346,271	8.4
85 and over	1.00000	27,610	27,610	174,416	174,416	6.3
ALL OTHER, MALE						
0-1	0.01331	100,000	1,331	98,849	6,885,314	68.9
1-5	0.00239	98,669	236	394,130	6,786,465	68.8
5-10	0.00153	98,433	151	491,749	6,392,335	64.9
10-15	0.00187	98,282	184	491,042	5,900,586	60.0
15-20	0.00803	98,098	788	488,765	5,409,544	55.1
20-25	0.01187	97,310	1,155	483,837	4,920,779	50.6
25-30	0.01249	96,155	1,201	477,848	4,436,942	46.1
30-35	0.01615	94,954	1,534	471,037	3,959,094	41.7
35-40	0.02110	93,420	1,971	462,397	3,488,057	37.3
40-45	0.02915	91,449	2,666	450,951	3,025,660	33.1
45-50	0.04007	88,783	3,558	435,543	2,574,709	29.0
50-55	0.05411	85,225	4,612	415,133	2,139,166	25.1
55-60	0.07684	80,613	6,194	388,104	1,724,033	21.4
60-65	0.11359	74,419	8,453	351,523	1,335,929	18.0
65-70	0.14476	65,966	9,549	306,286	984,406	14.9
70-75	0.21693	56,417	12,239	251,642	678,120	12.0
75-80	0.28383	44,178	12,539	189,251	426,478	9.7
80-85	0.39016	31,639	12,344	126,587	237,227	7.5
85 and over	1.00000	19,295	19,295	110,640	110,640	5.7
ALL OTHER, FEMALE						
0-1	0.01102	100,000	1,102	99,055	7,613,185	76.1
1-5	0.00216	98,898	214	395,081	7,514,130	76.0
5-10	0.00113	98,684	112	493,111	7,119,049	72.1
10-15	0.00116	98,572	114	492,604	6,625,938	67.2
15-20	0.00242	98,458	238	491,744	6,133,334	62.3
20-25	0.00353	98,220	347	490,281	5,641,590	57.4
25-30	0.00495	97,873	484	488,206	5,151,309	52.6
30-35	0.00740	97,389	721	485,235	4,663,103	47.9
35-40	0.01087	96,668	1,051	480,894	4,177,868	43.2
40-45	0.01488	95,617	1,423	474,770	3,696,974	38.7
45-50	0.02073	94,194	1,953	466,402	3,222,204	34.2
50-55	0.03031	92,241	2,796	454,589	2,755,802	29.9
55-60	0.04342	89,445	3,884	437,991	2,301,213	25.7
60-65	0.06554	85,561	5,608	414,374	1,863,222	21.8
65-70	0.09136	79,953	7,305	382,167	1,448,848	18.1
70-75	0.14267	72,648	10,365	338,200	1,066,681	14.7
75-80	0.19376	62,283	12,068	281,808	728,481	11.7
80-85	0.29474	50,215	14,800	214,330	446,673	8.9
85 and over	1.00000	35,415	35,415	232,343	232,343	6.6

Table 1. Abridged life tables by race and sex: United States, 1996--Con.

Age interval	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
Period of life between two exact ages stated in years, race, and sex	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x + n$	${}_nq_x$	l_x	${}_nd_x$	${}_nL_x$	T_x	$\overset{o}{e}_x$
BLACK						
0-1	0.01466	100,000	1,466	98,730	7,024,191	70.2
1-5	0.00260	98,534	256	393,535	6,925,461	70.3
5-10	0.00151	98,278	148	490,979	6,531,926	66.5
10-15	0.00171	98,130	168	490,293	6,040,947	61.6
15-20	0.00599	97,962	587	488,511	5,550,654	56.7
20-25	0.00918	97,375	894	484,782	5,062,143	52.0
25-30	0.01066	96,481	1,028	479,927	4,577,361	47.4
30-35	0.01436	95,453	1,371	473,967	4,097,434	42.9
35-40	0.01943	94,082	1,828	466,260	3,623,467	38.5
40-45	0.02702	92,254	2,493	455,405	3,157,207	34.2
45-50	0.03694	89,761	3,316	440,998	2,701,802	30.1
50-55	0.05095	86,445	4,404	421,737	2,260,804	26.2
55-60	0.07053	82,041	5,786	396,289	1,839,067	22.4
60-65	0.10275	76,255	7,835	362,260	1,442,778	18.9
65-70	0.13087	68,420	8,954	320,195	1,080,518	15.8
70-75	0.19805	59,466	11,777	268,345	760,323	12.8
75-80	0.25238	47,689	12,036	208,385	491,978	10.3
80-85	0.35515	35,653	12,662	146,241	283,593	8.0
85 and over	1.00000	22,991	22,991	137,352	137,352	6.0
BLACK, MALE						
0-1	0.01602	100,000	1,602	98,611	6,610,684	66.1
1-5	0.00275	98,398	271	392,965	6,512,073	66.2
5-10	0.00173	98,127	170	490,164	6,119,108	62.4
10-15	0.00207	97,957	203	489,370	5,628,944	57.5
15-20	0.00923	97,754	902	486,801	5,139,574	52.6
20-25	0.01440	96,852	1,395	481,007	4,652,773	48.0
25-30	0.01556	95,457	1,485	473,690	4,171,766	43.7
30-35	0.02023	93,972	1,901	465,253	3,698,076	39.4
35-40	0.02627	92,071	2,419	454,574	3,232,823	35.1
40-45	0.03667	89,652	3,288	440,476	2,778,249	31.0
45-50	0.05050	86,364	4,361	421,509	2,337,773	27.1
50-55	0.06842	82,003	5,611	396,590	1,916,264	23.4
55-60	0.09418	76,392	7,195	364,519	1,519,674	19.9
60-65	0.13552	69,197	9,378	323,056	1,155,155	16.7
65-70	0.16448	59,819	9,839	274,751	832,099	13.9
70-75	0.24710	49,980	12,350	219,039	557,348	11.2
75-80	0.31195	37,630	11,739	158,338	338,309	9.0
80-85	0.42807	25,891	11,083	100,886	179,971	7.0
85 and over	1.00000	14,808	14,808	79,085	79,085	5.3
BLACK, FEMALE						
0-1	0.01325	100,000	1,325	98,853	7,416,093	74.2
1-5	0.00245	98,675	242	394,119	7,317,240	74.2
5-10	0.00129	98,433	127	491,810	6,923,121	70.3
10-15	0.00130	98,306	128	491,239	6,431,311	65.4
15-20	0.00266	98,178	261	490,295	5,940,072	60.5
20-25	0.00408	97,917	400	488,648	5,449,777	55.7
25-30	0.00614	97,517	599	486,161	4,961,129	50.9
30-35	0.00913	96,918	885	482,496	4,474,968	46.2
35-40	0.01336	96,033	1,283	477,173	3,992,472	41.6
40-45	0.01853	94,750	1,756	469,658	3,515,299	37.1
45-50	0.02541	92,994	2,363	459,435	3,045,641	32.8
50-55	0.03654	90,631	3,312	445,304	2,586,206	28.5
55-60	0.05164	87,319	4,509	425,848	2,140,902	24.5
60-65	0.07734	82,810	6,405	398,649	1,715,054	20.7
65-70	0.10490	76,405	8,015	362,664	1,316,405	17.2
70-75	0.16305	68,390	11,151	314,929	953,741	13.9
75-80	0.21280	57,239	12,180	256,233	638,812	11.2
80-85	0.31464	45,059	14,177	189,969	382,579	8.5
85 and over	1.00000	30,882	30,882	192,610	192,610	6.2

Table 2. Number of survivors at single years of age, out of 100,000 born alive, by race and sex: United States, 1996

Age	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,268	99,198	99,341	99,393	99,333	99,456	98,782	98,669	98,898	98,534	98,398	98,675
2	99,215	99,138	99,295	99,346	99,280	99,418	98,703	98,583	98,826	98,444	98,300	98,594
3	99,175	99,094	99,259	99,312	99,241	99,388	98,643	98,521	98,768	98,376	98,228	98,528
4	99,144	99,060	99,230	99,285	99,212	99,364	98,596	98,473	98,721	98,322	98,173	98,475
5	99,118	99,032	99,207	99,263	99,187	99,344	98,558	98,433	98,684	98,278	98,127	98,433
6	99,095	99,007	99,187	99,243	99,165	99,326	98,525	98,397	98,654	98,240	98,086	98,399
7	99,074	98,983	99,170	99,224	99,144	99,310	98,496	98,363	98,629	98,207	98,047	98,371
8	99,055	98,960	99,154	99,206	99,123	99,295	98,469	98,331	98,608	98,178	98,012	98,347
9	99,037	98,939	99,139	99,190	99,104	99,281	98,446	98,304	98,589	98,152	97,981	98,326
10	99,022	98,922	99,125	99,176	99,088	99,268	98,426	98,282	98,572	98,130	97,957	98,306
11	99,008	98,908	99,112	99,163	99,074	99,256	98,408	98,264	98,555	98,110	97,938	98,286
12	98,994	98,893	99,098	99,150	99,060	99,243	98,390	98,246	98,536	98,090	97,919	98,265
13	98,975	98,872	99,081	99,132	99,040	99,228	98,366	98,220	98,515	98,063	97,890	98,241
14	98,947	98,837	99,060	99,106	99,008	99,208	98,330	98,173	98,489	98,022	97,838	98,212
15	98,905	98,782	99,033	99,067	98,958	99,182	98,276	98,098	98,458	97,962	97,754	98,178
16	98,849	98,706	98,998	99,015	98,889	99,148	98,204	97,991	98,421	97,881	97,634	98,138
17	98,779	98,609	98,956	98,950	98,802	99,107	98,113	97,854	98,378	97,779	97,479	98,091
18	98,698	98,495	98,910	98,876	98,701	99,062	98,006	97,691	98,330	97,659	97,294	98,038
19	98,610	98,370	98,862	98,796	98,590	99,016	97,887	97,508	98,277	97,523	97,083	97,980
20	98,519	98,237	98,815	98,714	98,474	98,971	97,759	97,310	98,220	97,375	96,852	97,917
21	98,424	98,097	98,769	98,630	98,352	98,928	97,622	97,097	98,160	97,215	96,600	97,849
22	98,325	97,950	98,723	98,544	98,225	98,887	97,475	96,870	98,095	97,042	96,327	97,776
23	98,224	97,798	98,676	98,457	98,095	98,846	97,322	96,633	98,026	96,860	96,040	97,697
24	98,122	97,646	98,627	98,369	97,964	98,804	97,165	96,393	97,952	96,672	95,748	97,611
25	98,020	97,495	98,576	98,281	97,834	98,760	97,008	96,155	97,873	96,481	95,457	97,517
26	97,918	97,347	98,522	98,193	97,707	98,713	96,851	95,921	97,789	96,289	95,170	97,416
27	97,816	97,201	98,464	98,104	97,582	98,663	96,693	95,689	97,700	96,094	94,884	97,306
28	97,712	97,054	98,403	98,014	97,455	98,611	96,530	95,455	97,604	95,892	94,594	97,187
29	97,603	96,902	98,338	97,920	97,323	98,556	96,359	95,212	97,501	95,680	94,292	97,058
30	97,487	96,740	98,269	97,820	97,182	98,498	96,176	94,954	97,389	95,453	93,972	96,918
31	97,364	96,567	98,195	97,713	97,032	98,436	95,980	94,679	97,267	95,211	93,630	96,767
32	97,233	96,384	98,116	97,600	96,872	98,371	95,771	94,388	97,135	94,953	93,268	96,604
33	97,095	96,191	98,032	97,480	96,703	98,301	95,549	94,080	96,992	94,679	92,886	96,428
34	96,949	95,989	97,942	97,354	96,526	98,227	95,313	93,757	96,836	94,389	92,487	96,238
35	96,795	95,778	97,846	97,221	96,341	98,147	95,064	93,420	96,668	94,082	92,071	96,033
36	96,632	95,557	97,743	97,081	96,147	98,062	94,800	93,067	96,486	93,759	91,637	95,811
37	96,460	95,325	97,632	96,932	95,944	97,970	94,520	92,697	96,289	93,417	91,183	95,572
38	96,278	95,081	97,513	96,775	95,730	97,872	94,222	92,306	96,078	93,054	90,704	95,315
39	96,085	94,823	97,386	96,608	95,504	97,767	93,906	91,891	95,854	92,667	90,195	95,041
40	95,881	94,551	97,251	96,432	95,266	97,654	93,570	91,449	95,617	92,254	89,652	94,750
41	95,664	94,263	97,107	96,244	95,014	97,533	93,213	90,979	95,365	91,814	89,072	94,440
42	95,433	93,957	96,952	96,044	94,746	97,403	92,834	90,479	95,098	91,345	88,455	94,110
43	95,187	93,633	96,786	95,831	94,462	97,262	92,431	89,947	94,815	90,847	87,798	93,759
44	94,927	93,291	96,608	95,604	94,162	97,110	92,004	89,382	94,514	90,319	87,102	93,387
45	94,651	92,930	96,417	95,362	93,845	96,946	91,551	88,783	94,194	89,761	86,364	92,994
46	94,357	92,548	96,212	95,104	93,509	96,768	91,070	88,147	93,854	89,171	85,583	92,579
47	94,043	92,143	95,990	94,827	93,151	96,575	90,560	87,473	93,492	88,547	84,757	92,139
48	93,706	91,710	95,749	94,528	92,767	96,362	90,018	86,761	93,105	87,886	83,886	91,670
49	93,341	91,246	95,484	94,202	92,352	96,127	89,444	86,012	92,689	87,186	82,968	91,169
50	92,946	90,748	95,193	93,845	91,901	95,865	88,835	85,225	92,241	86,445	82,003	90,631
51	92,516	90,210	94,871	93,453	91,411	95,573	88,188	84,399	91,757	85,659	80,989	90,052
52	92,049	89,630	94,517	93,024	90,877	95,249	87,500	83,530	91,235	84,826	79,923	89,431
53	91,543	89,004	94,130	92,555	90,298	94,893	86,770	82,613	90,675	83,946	78,803	88,768
54	90,996	88,330	93,710	92,047	89,671	94,505	85,995	81,642	90,079	83,018	77,627	88,064
55	90,406	87,604	93,255	91,497	88,994	94,083	85,172	80,613	89,445	82,041	76,392	87,319
56	89,771	86,824	92,765	90,903	88,264	93,626	84,301	79,526	88,773	81,016	75,102	86,533
57	89,087	85,984	92,235	90,260	87,475	93,129	83,378	78,377	88,058	79,939	73,754	85,701
58	88,343	85,073	91,656	89,558	86,615	92,585	82,393	77,154	87,292	78,797	72,333	84,812
59	87,527	84,076	91,019	88,784	85,670	91,984	81,332	75,838	86,462	77,573	70,818	83,852
60	86,630	82,982	90,317	87,930	84,628	91,317	80,185	74,419	85,561	76,255	69,197	82,810
61	85,645	81,784	89,542	86,988	83,483	90,579	78,943	72,886	84,580	74,834	67,458	81,678
62	84,571	80,482	88,693	85,958	82,233	89,767	77,608	71,245	83,520	73,314	65,611	80,457
63	83,413	79,081	87,773	84,841	80,881	88,884	76,197	69,522	82,388	71,718	63,691	79,160
64	82,178	77,590	86,788	83,642	79,431	87,934	74,733	67,754	81,197	70,080	61,749	77,805
65	80,870	76,016	85,740	82,364	77,887	86,918	73,231	65,966	79,953	68,420	59,819	76,405
66	79,491	74,361	84,627	81,007	76,250	85,834	71,700	64,173	78,663	66,754	57,924	74,968
67	78,034	72,620	83,443	79,565	74,515	84,675	70,131	62,364	77,316	65,069	56,047	73,484
68	76,486	70,780	82,174	78,027	72,672	83,430	68,492	60,501	75,886	63,326	54,140	71,921
69	74,831	68,823	80,805	76,381	70,709	82,085	66,739	58,530	74,338	61,471	52,133	70,233
70	73,056	66,738	79,323	74,616	68,617	80,630	64,844	56,417	72,648	59,466	49,980	68,390
71	71,157	64,521	77,720	72,729	66,394	79,056	62,794	54,149	70,802	57,296	47,663	66,378
72	69,136	62,179	75,995	70,721	64,046	77,362	60,604	51,748	68,810	54,983	45,210	64,212
73	67,000	59,726	74,150	68,595	61,582	75,546	58,306	49,252	66,700	52,571	42,674	61,931
74	64,759	57,180	72,190	66,357	59,016	73,607	55,948	46,715	64,515	50,124	40,129	59,593
75	62,422	54,555	70,116	64,012	56,360	71,544	53,564	44,178	62,283	47,689	37,630	57,239
76	59,991	51,860	67,925	61,561	53,621	69,353	51,168	41,660	60,012	45,283	35,200	54,882
77	57,465	49,098	65,612	59,004	50,803	67,028	48,753	39,159	57,692	42,899	32,833	52,511
78	54,840	46,268	63,167	56,338	47,907	64,562	46,303	36,664	55,301	40,515	30,508	50,102
79	52,111	43,370	60,582	53,560	44,934	61,949	43,800	34,160	52,815	38,105	28,199	47,625
80	49,276	40,406	57,849	50,670	41,888	59,181	41,231	31,639	50,215	35,653	25,891	45,059
81	46,336	37,382	54,961	47,669	38,775	56,253	38,592	29,105	47,490	33,151	23,580	42,391
82	43,293	34,308	51,914	44,560	35,605	53,161	35,889	26,571	44,636	30,606	21,279	39,621
83	40,154	31,198	48,707	41,348	32,391	49,903	33,138	24,064	41,661	28,040	19,017	36,762
84	36,929	28,071	45,339	38,040	29,148	46,476	30,366	21,622	38,579	25,486	16,840	33,837
85	33,629	24,949	41,813	34,645	25,895	42,881	27,610	19,295	35,415	22,991	14,808	30,882

Table 3. Expectation of life at single years of age, by race and sex: United States, 1996

Age	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
0	76.1	73.1	79.1	76.8	73.9	79.7	72.6	68.9	76.1	70.2	66.1	74.2
1	75.7	72.6	78.6	76.3	73.4	79.1	72.5	68.8	76.0	70.3	66.2	74.2
2	74.7	71.7	77.6	75.3	72.4	78.1	71.6	67.8	75.0	69.3	65.2	73.2
3	73.7	70.7	76.7	74.3	71.4	77.1	70.6	66.9	74.1	68.4	64.3	72.3
4	72.8	69.7	75.7	73.4	70.5	76.2	69.6	65.9	73.1	67.4	63.3	71.3
5	71.8	68.8	74.7	72.4	69.5	75.2	68.7	64.9	72.1	66.5	62.4	70.3
6	70.8	67.8	73.7	71.4	68.5	74.2	67.7	64.0	71.2	65.5	61.4	69.4
7	69.8	66.8	72.7	70.4	67.5	73.2	66.7	63.0	70.2	64.5	60.4	68.4
8	68.8	65.8	71.7	69.4	66.5	72.2	65.7	62.0	69.2	63.5	59.4	67.4
9	67.8	64.8	70.8	68.4	65.5	71.2	64.7	61.0	68.2	62.5	58.4	66.4
10	66.9	63.8	69.8	67.4	64.5	70.2	63.8	60.0	67.2	61.6	57.5	65.4
11	65.9	62.9	68.8	66.4	63.5	69.2	62.8	59.0	66.2	60.6	56.5	64.4
12	64.9	61.9	67.8	65.5	62.6	68.3	61.8	58.1	65.2	59.6	55.5	63.4
13	63.9	60.9	66.8	64.5	61.6	67.3	60.8	57.1	64.3	58.6	54.5	62.5
14	62.9	59.9	65.8	63.5	60.6	66.3	59.8	56.1	63.3	57.6	53.5	61.5
15	61.9	58.9	64.8	62.5	59.6	65.3	58.9	55.1	62.3	56.7	52.6	60.5
16	61.0	58.0	63.8	61.5	58.7	64.3	57.9	54.2	61.3	55.7	51.6	59.5
17	60.0	57.0	62.9	60.6	57.7	63.3	56.9	53.3	60.3	54.8	50.7	58.6
18	59.1	56.1	61.9	59.6	56.8	62.4	56.0	52.4	59.4	53.8	49.8	57.6
19	58.1	55.2	60.9	58.7	55.8	61.4	55.1	51.5	58.4	52.9	48.9	56.6
20	57.2	54.2	60.0	57.7	54.9	60.4	54.2	50.6	57.4	52.0	48.0	55.7
21	56.2	53.3	59.0	56.8	54.0	59.5	53.2	49.7	56.5	51.1	47.2	54.7
22	55.3	52.4	58.0	55.8	53.0	58.5	52.3	48.8	55.5	50.2	46.3	53.7
23	54.3	51.5	57.0	54.9	52.1	57.5	51.4	47.9	54.5	49.3	45.4	52.8
24	53.4	50.6	56.1	53.9	51.2	56.5	50.5	47.0	53.6	48.3	44.6	51.8
25	52.4	49.6	55.1	53.0	50.2	55.6	49.5	46.1	52.6	47.4	43.7	50.9
26	51.5	48.7	54.1	52.0	49.3	54.6	48.6	45.3	51.7	46.5	42.8	49.9
27	50.6	47.8	53.2	51.1	48.4	53.6	47.7	44.4	50.7	45.6	42.0	49.0
28	49.6	46.9	52.2	50.1	47.4	52.6	46.8	43.5	49.8	44.7	41.1	48.0
29	48.7	45.9	51.2	49.2	46.5	51.7	45.9	42.6	48.8	43.8	40.2	47.1
30	47.7	45.0	50.3	48.2	45.6	50.7	45.0	41.7	47.9	42.9	39.4	46.2
31	46.8	44.1	49.3	47.3	44.6	49.7	44.0	40.8	46.9	42.0	38.5	45.2
32	45.8	43.2	48.3	46.3	43.7	48.8	43.1	39.9	46.0	41.1	37.6	44.3
33	44.9	42.2	47.4	45.4	42.8	47.8	42.2	39.1	45.1	40.3	36.8	43.4
34	44.0	41.3	46.4	44.4	41.9	46.8	41.3	38.2	44.1	39.4	36.0	42.5
35	43.0	40.4	45.5	43.5	40.9	45.9	40.5	37.3	43.2	38.5	35.1	41.6
36	42.1	39.5	44.5	42.5	40.0	44.9	39.6	36.5	42.3	37.6	34.3	40.7
37	41.2	38.6	43.6	41.6	39.1	43.9	38.7	35.6	41.4	36.8	33.4	39.8
38	40.3	37.7	42.6	40.7	38.2	43.0	37.8	34.8	40.5	35.9	32.6	38.9
39	39.3	36.8	41.7	39.7	37.3	42.0	36.9	33.9	39.6	35.1	31.8	38.0
40	38.4	35.9	40.7	38.8	36.4	41.1	36.1	33.1	38.7	34.2	31.0	37.1
41	37.5	35.0	39.8	37.9	35.5	40.1	35.2	32.3	37.8	33.4	30.2	36.2
42	36.6	34.1	38.9	37.0	34.6	39.2	34.3	31.4	36.9	32.6	29.4	35.3
43	35.7	33.3	37.9	36.1	33.7	38.2	33.5	30.6	36.0	31.7	28.6	34.5
44	34.8	32.4	37.0	35.1	32.8	37.3	32.6	29.8	35.1	30.9	27.8	33.6
45	33.9	31.5	36.1	34.2	31.9	36.4	31.8	29.0	34.2	30.1	27.1	32.8
46	33.0	30.6	35.1	33.3	31.0	35.4	31.0	28.2	33.3	29.3	26.3	31.9
47	32.1	29.8	34.2	32.4	30.1	34.5	30.1	27.4	32.5	28.5	25.6	31.0
48	31.2	28.9	33.3	31.5	29.2	33.6	29.3	26.6	31.6	27.7	24.8	30.2
49	30.3	28.0	32.4	30.6	28.4	32.7	28.5	25.9	30.7	26.9	24.1	29.4
50	29.5	27.2	31.5	29.7	27.5	31.7	27.7	25.1	29.9	26.2	23.4	28.5
51	28.6	26.3	30.6	28.9	26.6	30.8	26.9	24.3	29.0	25.4	22.7	27.7
52	27.7	25.5	29.7	28.0	25.8	29.9	26.1	23.6	28.2	24.6	21.9	26.9
53	26.9	24.7	28.8	27.1	25.0	29.1	25.3	22.8	27.4	23.9	21.3	26.1
54	26.0	23.9	28.0	26.3	24.1	28.2	24.5	22.1	26.5	23.1	20.6	25.3
55	25.2	23.1	27.1	25.4	23.3	27.3	23.8	21.4	25.7	22.4	19.9	24.5
56	24.4	22.3	26.2	24.6	22.5	26.4	23.0	20.7	24.9	21.7	19.2	23.7
57	23.6	21.5	25.4	23.8	21.7	25.6	22.3	20.0	24.1	21.0	18.6	23.0
58	22.8	20.7	24.5	22.9	20.9	24.7	21.5	19.3	23.3	20.3	17.9	22.2
59	22.0	20.0	23.7	22.1	20.1	23.9	20.8	18.6	22.5	19.6	17.3	21.4
60	21.2	19.2	22.9	21.4	19.4	23.0	20.1	18.0	21.8	18.9	16.7	20.7
61	20.4	18.5	22.1	20.6	18.6	22.2	19.4	17.3	21.0	18.3	16.1	20.0
62	19.7	17.8	21.3	19.8	17.9	21.4	18.7	16.7	20.3	17.6	15.6	19.3
63	19.0	17.1	20.5	19.1	17.2	20.6	18.0	16.1	19.6	17.0	15.0	18.6
64	18.2	16.4	19.7	18.3	16.5	19.8	17.4	15.5	18.8	16.4	14.5	17.9
65	17.5	15.7	19.0	17.6	15.8	19.1	16.7	14.9	18.1	15.8	13.9	17.2
66	16.8	15.1	18.2	16.9	15.2	18.3	16.1	14.3	17.4	15.2	13.4	16.6
67	16.1	14.4	17.5	16.2	14.5	17.5	15.4	13.7	16.7	14.6	12.8	15.9
68	15.4	13.8	16.7	15.5	13.9	16.8	14.8	13.1	16.0	13.9	12.2	15.2
69	14.8	13.2	16.0	14.8	13.2	16.1	14.2	12.6	15.3	13.4	11.7	14.6
70	14.1	12.6	15.3	14.2	12.6	15.4	13.6	12.0	14.7	12.8	11.2	13.9
71	13.5	12.0	14.6	13.5	12.0	14.6	13.0	11.5	14.1	12.3	10.7	13.4
72	12.9	11.4	13.9	12.9	11.4	14.0	12.5	11.0	13.4	11.7	10.2	12.8
73	12.3	10.9	13.2	12.3	10.9	13.3	11.9	10.6	12.9	11.3	9.8	12.2
74	11.7	10.3	12.6	11.7	10.3	12.6	11.4	10.1	12.3	10.8	9.4	11.7
75	11.1	9.8	12.0	11.1	9.8	12.0	10.9	9.7	11.7	10.3	9.0	11.2
76	10.5	9.3	11.3	10.5	9.3	11.3	10.4	9.2	11.1	9.8	8.6	10.6
77	9.9	8.8	10.7	9.9	8.8	10.7	9.9	8.8	10.5	9.4	8.2	10.1
78	9.4	8.3	10.1	9.4	8.3	10.1	9.4	8.3	10.0	8.9	7.7	9.5
79	8.9	7.8	9.5	8.9	7.8	9.5	8.9	7.9	9.4	8.4	7.3	9.0
80	8.4	7.3	8.9	8.3	7.3	8.9	8.4	7.5	8.9	8.0	7.0	8.5
81	7.9	6.9	8.4	7.8	6.9	8.4	7.9	7.1	8.4	7.5	6.6	8.0
82	7.4	6.5	7.8	7.3	6.4	7.8	7.5	6.7	7.9	7.1	6.2	7.5
83	6.9	6.1	7.3	6.9	6.0	7.3	7.1	6.4	7.4	6.7	5.9	7.1
84	6.5	5.7	6.8	6.4	5.7	6.8	6.7	6.1	7.0	6.3	5.6	6.6
85	6.1	5.4	6.4	6.0	5.3	6.3	6.3	5.7	6.6	6.0	5.3	6.2

Table 4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1996

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)									
	1996	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL RACES										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,268	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5	99,118	98,495	97,668	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10	99,022	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15	98,905	98,196	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20	98,519	97,741	96,716	96,111	95,366	92,435	89,089	85,441	80,074	77,239
25	98,020	97,110	96,000	95,517	94,676	91,335	87,269	83,146	78,046	74,768
30	97,487	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35	96,795	95,808	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40	95,881	94,926	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45	94,651	93,599	91,587	91,378	89,634	84,069	77,343	72,036	66,561	62,436
50	92,946	91,526	88,972	88,756	86,591	80,487	73,321	68,429	62,460	58,514
55	90,406	88,348	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60	86,630	83,726	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65	80,870	77,107	71,933	71,147	67,555	60,366	53,195	50,560	43,194	40,911
70	73,056	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,390
75	62,422	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80	49,276	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85	33,629	27,960	20,908	18,542	15,785	11,073	8,542	8,683	6,001	6,053
MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,198	98,607	97,755	97,087	96,661	94,762	93,440	91,745	87,505	86,426
5	99,032	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10	98,922	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15	98,782	97,972	96,904	96,107	95,366	92,508	89,561	86,156	80,261	77,681
20	98,237	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25	97,495	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30	96,740	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35	95,778	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,752
40	94,551	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45	92,930	91,649	89,369	89,492	87,819	82,336	75,882	71,244	64,518	60,849
50	90,748	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55	87,604	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60	82,982	79,012	73,958	73,887	71,246	65,142	58,909	56,917	48,343	45,895
65	76,016	70,646	64,318	64,177	61,566	55,776	50,154	49,218	40,264	38,736
70	66,738	59,681	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75	54,555	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	21,076
80	40,406	31,810	24,921	25,300	25,237	18,995	16,172	17,128	11,942	12,084
85	24,949	18,020	13,168	12,845	11,750	8,693	7,107	7,920	5,059	5,179
FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,341	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5	99,207	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10	99,125	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15	99,033	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20	98,815	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25	98,576	97,883	96,966	96,418	95,583	92,322	88,328	84,135	79,481	76,119
30	98,269	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35	97,846	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40	97,251	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45	96,417	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50	95,193	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415
55	93,255	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60	90,317	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,226	50,155
65	85,740	83,520	79,698	78,462	74,119	65,523	56,924	52,126	46,438	43,246
70	79,323	76,720	71,955	70,100	64,873	55,449	46,774	42,741	36,916	34,721
75	70,116	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80	57,849	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85	41,813	37,772	29,538	25,269	20,668	13,972	10,322	9,515	7,051	7,063
WHITE										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	99,393	98,898	98,224	97,714	97,278	95,685	---	---	---	---
5	99,263	98,675	97,930	97,353	96,790	94,713	---	---	---	---
10	99,176	98,536	97,733	97,131	96,502	94,228	---	---	---	---
15	99,067	98,391	97,546	96,928	96,228	93,792	---	---	---	---
20	98,714	97,939	97,036	96,508	95,763	93,117	---	---	---	---
25	98,281	97,340	96,406	95,965	95,169	92,213	---	---	---	---
30	97,820	96,774	95,824	95,440	94,536	91,185	---	---	---	---
35	97,221	96,192	95,152	94,798	93,750	89,941	---	---	---	---
40	96,432	95,427	94,190	93,870	92,616	88,318	---	---	---	---
45	95,362	94,257	92,681	92,374	90,847	86,069	---	---	---	---
50	93,845	92,384	90,306	89,958	88,110	82,833	---	---	---	---
55	91,497	89,427	86,688	86,173	84,027	78,218	---	---	---	---
60	87,930	85,031	81,323	80,811	78,066	71,785	---	---	---	---
65	82,364	78,585	73,889	73,102	69,850	63,201	---	---	---	---
70	74,616	69,801	63,991	62,834	59,189	52,165	---	---	---	---
75	64,012	58,299	51,586	49,895	45,688	38,610	---	---	---	---
80	50,670	44,409	36,659	34,697	30,438	23,976	---	---	---	---
85	34,645	28,768	21,578	19,017	16,239	11,483	---	---	---	---

See footnotes at end of table.

Table 4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1996--Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)									
	1996	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,333	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	99,187	98,519	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	99,088	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	98,958	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	98,474	97,525	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	97,834	96,616	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	97,182	95,783	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	96,341	94,980	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	95,266	93,984	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	93,845	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	91,901	90,105	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	88,994	86,303	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	84,628	80,625	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	77,887	72,393	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70	68,617	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	56,360	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	41,888	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	25,895	18,538	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
WHITE, FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,456	99,035	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	99,344	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	99,268	98,725	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	99,182	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,971	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	98,760	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	98,498	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	98,147	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	97,654	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	96,946	96,065	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	95,865	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	94,083	92,594	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	91,317	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	86,918	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	80,630	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	71,544	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	59,181	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	42,881	38,774	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
ALL OTHER										
0	100,000	100,000	100,000	100,000	100,000	---	---	---	---	---
1	98,782	98,097	96,909	95,732	95,407	---	---	---	---	---
5	98,558	97,756	96,400	95,051	94,482	---	---	---	---	---
10	98,426	97,568	96,126	94,745	94,060	---	---	---	---	---
15	98,276	97,387	95,864	94,460	93,646	---	---	---	---	---
20	97,759	96,913	95,101	93,880	92,738	---	---	---	---	---
25	97,008	96,107	93,792	92,925	91,321	---	---	---	---	---
30	96,176	95,088	92,309	91,699	89,584	---	---	---	---	---
35	95,064	93,870	90,470	90,046	87,402	---	---	---	---	---
40	93,570	92,245	87,964	87,766	84,478	---	---	---	---	---
45	91,551	89,928	84,575	84,501	80,507	---	---	---	---	---
50	88,835	86,525	80,046	80,172	74,976	---	---	---	---	---
55	85,172	81,732	74,150	73,893	67,660	---	---	---	---	---
60	80,185	75,300	66,775	65,795	58,593	---	---	---	---	---
65	73,231	67,179	57,797	56,038	48,649	---	---	---	---	---
70	64,844	57,635	47,542	45,434	38,616	---	---	---	---	---
75	53,564	46,362	35,987	34,531	28,968	---	---	---	---	---
80	41,231	34,558	25,215	24,815	20,003	---	---	---	---	---
85	27,610	22,279	16,299	15,337	12,433	---	---	---	---	---
ALL OTHER, MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	98,669	97,939	96,592	95,301	94,911	91,696	---	---	---	---
5	98,433	97,559	96,038	94,570	93,921	89,920	---	---	---	---
10	98,282	97,337	95,716	94,234	93,453	89,211	---	---	---	---
15	98,098	97,113	95,385	93,874	92,965	88,417	---	---	---	---
20	97,310	96,431	94,293	93,108	91,941	86,770	---	---	---	---
25	96,155	95,200	92,267	91,825	90,285	84,055	---	---	---	---
30	94,954	93,666	90,106	90,270	88,327	80,865	---	---	---	---
35	93,420	91,891	87,597	88,331	85,940	77,185	---	---	---	---
40	91,449	89,645	84,378	85,744	82,832	72,830	---	---	---	---
45	88,783	86,578	80,163	82,075	78,686	67,514	---	---	---	---
50	85,225	82,153	74,748	77,239	72,891	60,766	---	---	---	---
55	80,613	76,019	67,808	70,351	65,122	52,867	---	---	---	---
60	74,419	68,093	59,396	61,669	55,535	44,370	---	---	---	---
65	65,966	58,517	49,607	51,392	45,198	35,912	---	---	---	---
70	56,417	47,796	39,025	39,914	35,018	27,688	---	---	---	---
75	44,178	36,191	27,789	29,064	25,472	19,765	---	---	---	---
80	31,639	24,969	17,999	19,994	16,904	12,352	---	---	---	---
85	19,295	14,454	10,811	11,620	9,898	6,492	---	---	---	---

See footnotes at end of table.

Table 4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1996--Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)									
	1996	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	98,898	98,261	97,235	96,172	95,913	93,318	---	---	---	---
5	98,684	97,958	96,772	95,543	95,055	91,710	---	---	---	---
10	98,572	97,806	96,546	95,265	94,679	91,092	---	---	---	---
15	98,458	97,669	96,353	95,057	94,343	90,363	---	---	---	---
20	98,220	97,404	95,917	94,660	93,544	88,505	---	---	---	---
25	97,873	96,996	95,247	94,005	92,336	85,961	---	---	---	---
30	97,389	96,441	94,370	93,070	90,799	83,147	---	---	---	---
35	96,668	95,719	93,123	91,670	88,805	79,879	---	---	---	---
40	95,617	94,646	91,247	89,676	86,052	75,908	---	---	---	---
45	94,194	93,009	88,608	86,793	82,257	71,061	---	---	---	---
50	92,241	90,523	84,964	82,979	77,007	64,886	---	---	---	---
55	89,445	86,951	80,162	77,362	70,196	57,419	---	---	---	---
60	85,561	82,000	73,984	69,941	61,758	49,102	---	---	---	---
65	79,953	75,382	66,064	60,825	52,358	40,718	---	---	---	---
70	72,648	67,147	56,375	51,274	42,612	32,579	---	---	---	---
75	62,283	56,499	44,841	40,540	32,981	24,668	---	---	---	---
80	50,215	44,378	33,373	30,315	23,712	17,157	---	---	---	---
85	35,415	30,543	22,763	19,744	15,550	10,658	---	---	---	---
BLACK										
0	100,000	100,000	100,000	---	---	100,000	---	---	---	---
1	98,534	97,885	96,731	---	---	92,584	---	---	---	---
5	98,278	97,522	96,207	---	---	90,983	---	---	---	---
10	98,130	97,322	95,928	---	---	90,339	---	---	---	---
15	97,962	97,134	95,661	---	---	89,591	---	---	---	---
20	97,375	96,652	94,887	---	---	87,839	---	---	---	---
25	96,481	95,804	93,513	---	---	85,210	---	---	---	---
30	95,453	94,680	91,934	---	---	82,194	---	---	---	---
35	94,082	93,288	89,977	---	---	78,683	---	---	---	---
40	92,254	91,439	87,304	---	---	74,466	---	---	---	---
45	89,761	88,834	83,700	---	---	69,284	---	---	---	---
50	86,445	85,044	78,938	---	---	62,702	---	---	---	---
55	82,041	79,816	72,826	---	---	54,846	---	---	---	---
60	76,255	72,913	65,250	---	---	46,318	---	---	---	---
65	68,420	64,391	56,102	---	---	37,838	---	---	---	---
70	59,466	54,617	45,785	---	---	29,654	---	---	---	---
75	47,689	43,274	34,262	---	---	21,798	---	---	---	---
80	35,653	31,711	23,710	---	---	14,408	---	---	---	---
85	22,991	19,939	15,044	---	---	8,326	---	---	---	---
BLACK, MALE										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,398	97,703	96,394	---	---	91,772	91,268	89,499	78,065	74,674
5	98,127	97,300	95,826	---	---	90,082	88,412	85,195	68,589	64,385
10	97,957	97,061	95,497	---	---	89,393	87,311	83,768	66,377	61,730
15	97,754	96,826	95,161	---	---	88,610	86,152	82,332	64,478	59,667
20	96,852	96,132	94,053	---	---	86,968	83,621	79,057	61,426	56,733
25	95,457	94,827	91,904	---	---	84,227	79,516	74,540	57,736	53,285
30	93,972	93,125	89,584	---	---	80,979	75,083	70,344	54,073	49,867
35	92,071	91,080	86,885	---	---	77,221	70,049	65,873	49,865	46,541
40	89,652	88,490	83,441	---	---	72,780	64,710	61,353	45,414	42,989
45	86,364	84,997	78,976	---	---	67,346	58,432	56,589	40,563	39,230
50	82,003	80,065	73,282	---	---	60,495	51,748	51,880	35,427	34,766
55	76,392	73,413	66,101	---	---	52,426	44,436	46,581	29,754	29,987
60	69,197	64,980	57,457	---	---	43,833	36,790	40,506	23,750	24,194
65	59,819	55,061	47,485	---	---	35,371	29,314	34,042	17,806	19,015
70	49,980	44,213	36,925	---	---	27,236	21,741	26,923	12,295	13,829
75	37,630	32,717	25,921	---	---	19,456	14,419	18,854	7,494	8,892
80	25,891	22,017	16,560	---	---	12,186	8,239	11,615	3,894	4,831
85	14,808	12,383	9,648	---	---	6,444	3,660	5,605	1,747	2,030
BLACK, FEMALE										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,675	98,073	97,076	---	---	93,416	92,796	91,251	81,493	78,525
5	98,433	97,751	96,598	---	---	91,906	90,185	87,149	72,768	68,056
10	98,306	97,590	96,369	---	---	91,308	89,201	85,607	70,508	65,111
15	98,178	97,450	96,172	---	---	90,594	88,088	83,954	68,218	62,384
20	97,917	97,180	95,729	---	---	88,736	85,078	80,154	64,764	59,053
25	97,517	96,754	95,035	---	---	86,198	81,067	75,359	61,430	55,795
30	96,918	96,150	94,114	---	---	83,384	76,816	70,633	58,281	52,773
35	96,033	95,338	92,807	---	---	80,092	72,192	65,857	54,595	49,567
40	94,750	94,137	90,817	---	---	76,084	67,271	61,130	50,568	46,146
45	92,994	92,322	88,001	---	---	71,157	61,365	56,230	45,947	42,279
50	90,631	89,563	84,168	---	---	64,885	54,920	50,780	40,886	37,681
55	87,319	85,653	79,177	---	---	57,314	47,074	44,742	35,415	33,124
60	82,810	80,293	72,820	---	---	48,928	38,761	37,954	28,908	27,524
65	76,405	73,266	64,716	---	---	40,504	30,852	31,044	22,302	21,995
70	68,390	64,729	54,873	---	---	32,354	23,341	24,107	15,871	16,140
75	57,239	53,831	43,193	---	---	24,502	16,576	17,216	10,657	11,066
80	45,059	41,686	31,756	---	---	17,039	10,822	11,151	6,324	6,708
85	30,882	28,004	21,358	---	---	10,622	6,033	5,972	3,029	3,567

See footnotes at end of table.

Table 4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1996--Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Age, race, and sex	Average number of years of life remaining ($^{o}e_{x}$)									
	1996	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL RACES										
0	76.1	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	75.7	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	71.8	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	66.9	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	61.9	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	57.2	55.46	53.00	52.58	51.20	48.54	45.94	45.30	43.53	42.79
25	52.4	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	47.7	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	43.0	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	38.4	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	33.9	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	29.5	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	25.2	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	21.2	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	17.5	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	14.1	13.32	12.00	11.38	10.92	10.00	9.58	9.74	9.11	9.30
75	11.1	10.48	9.32	8.71	8.40	7.62	7.32	7.49	6.99	7.08
80	8.4	7.98	7.10	6.39	6.34	5.73	5.50	5.63	5.25	5.30
85	6.1	5.96	5.28	4.58	4.69	4.31	4.19	4.21	4.00	3.96
MALE										
0	73.1	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	72.6	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	68.8	66.29	63.82	64.10	63.12	60.76	58.14	57.60	55.11	54.22
10	63.8	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	58.9	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	54.2	51.88	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	49.6	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	45.0	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	40.4	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	35.9	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	31.5	29.22	27.18	27.09	26.55	25.52	24.87	25.84	23.77	24.14
50	27.2	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	23.1	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.98	17.38
60	19.2	17.46	15.99	15.94	15.68	14.99	14.62	15.22	13.95	14.33
65	15.7	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.50
70	12.6	11.35	10.39	10.33	10.11	9.46	9.18	9.52	8.83	9.02
75	9.8	8.90	8.13	7.99	7.83	7.22	7.02	7.31	6.75	6.84
80	7.3	6.80	6.27	5.95	5.94	5.44	5.27	5.49	5.10	5.11
85	5.4	5.13	4.73	4.39	4.41	4.11	4.02	4.10	3.90	3.82
FEMALE										
0	79.1	77.62	74.64	73.24	70.96	65.89	60.90	57.40	53.24	50.70
1	78.6	77.50	74.97	73.93	71.84	67.73	65.37	60.45	58.37	56.10
5	74.7	73.67	71.19	70.21	68.21	64.43	60.66	58.41	57.39	55.80
10	69.8	68.75	66.31	65.35	63.38	59.73	56.16	54.16	53.31	51.94
15	64.8	63.83	61.41	60.45	58.52	54.97	51.54	49.71	48.87	47.60
20	60.0	58.98	56.59	55.60	53.73	50.37	47.21	45.63	44.66	43.60
25	55.1	54.16	51.80	50.79	48.99	45.87	43.11	41.86	40.69	39.92
30	50.3	49.33	47.01	46.00	44.28	41.41	39.02	38.15	36.79	36.30
35	45.5	44.53	42.28	41.27	39.63	37.01	34.92	34.40	32.95	32.71
40	40.7	39.80	37.64	36.61	35.06	32.68	30.86	30.58	29.15	29.08
45	36.1	35.17	33.13	32.09	30.64	28.46	26.89	26.71	25.36	25.44
50	31.5	30.69	28.77	27.71	26.40	24.40	23.05	22.92	21.67	21.84
55	27.1	26.39	24.59	23.53	22.33	20.54	19.38	19.28	18.13	18.39
60	22.9	22.29	20.60	19.52	18.50	16.92	15.94	15.87	14.90	15.21
65	19.0	18.44	16.83	15.80	14.95	13.57	12.78	12.73	11.96	12.22
70	15.3	14.84	13.35	12.37	11.71	10.56	9.99	9.96	9.38	9.59
75	12.0	11.58	10.26	9.33	8.94	8.01	7.61	7.65	7.20	7.34
80	8.9	8.69	7.68	6.72	6.67	5.99	5.70	5.75	5.37	5.51
85	6.4	6.38	5.63	4.71	4.90	4.47	4.32	4.30	4.08	4.12
WHITE										
0	76.8	74.53	71.62	70.73	69.02	64.92	---	---	---	---
1	76.3	74.35	71.91	71.38	69.95	66.84	---	---	---	---
5	72.4	70.52	68.12	67.64	66.29	63.52	---	---	---	---
10	67.4	65.62	63.26	62.79	61.48	58.83	---	---	---	---
15	62.5	60.71	58.37	57.92	56.65	54.09	---	---	---	---
20	57.7	55.98	53.66	53.16	51.91	49.47	---	---	---	---
25	53.0	51.30	49.00	48.44	47.22	44.92	---	---	---	---
30	48.2	46.59	44.28	43.69	42.52	40.40	---	---	---	---
35	43.5	41.86	39.58	38.97	37.86	35.93	---	---	---	---
40	38.8	37.17	34.95	34.33	33.29	31.54	---	---	---	---
45	34.2	32.60	30.48	29.84	28.88	27.29	---	---	---	---
50	29.7	28.21	26.21	25.57	24.70	23.26	---	---	---	---
55	25.4	24.05	22.19	21.58	20.77	19.47	---	---	---	---
60	21.4	20.16	18.48	17.84	17.15	15.98	---	---	---	---
65	17.6	16.59	15.08	14.44	13.86	12.80	---	---	---	---
70	14.2	13.35	12.01	11.37	10.89	9.96	---	---	---	---
75	11.1	10.47	9.27	8.65	8.34	7.55	---	---	---	---
80	8.3	7.95	7.01	6.33	6.27	5.64	---	---	---	---
85	6.0	5.90	5.19	4.53	4.62	4.20	---	---	---	---

See footnotes at end of table.

Table 4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1996--Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Age, race, and sex	Average number of years of life remaining ($^{o}e_{x}$)									
	1996	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE										
0	73.9	70.82	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	73.4	70.70	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	69.5	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	64.5	61.98	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	59.6	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	54.9	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	50.2	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	45.6	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	40.9	38.66	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	36.4	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	31.9	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	27.5	25.26	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	23.3	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	19.4	17.56	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	15.8	14.26	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	12.6	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.8	8.87	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	7.3	6.76	6.18	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85	5.3	5.09	4.63	4.34	4.35	4.02	3.99	4.06	3.88	3.81
WHITE, FEMALE										
0	79.7	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	79.1	77.98	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	75.2	74.13	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	70.2	69.21	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	65.3	64.29	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	60.4	59.44	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	55.6	54.60	52.42	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30	50.7	49.76	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	45.9	44.93	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	41.1	40.16	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	36.4	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	31.7	30.96	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	27.3	26.61	24.85	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	23.0	22.45	20.79	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	19.1	18.55	16.93	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	15.4	14.89	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	12.0	11.58	10.21	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	8.9	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.3	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
ALL OTHER										
0	72.6	69.84	64.95	63.91	60.73	---	---	---	---	---
1	72.5	70.19	66.02	65.75	62.65	---	---	---	---	---
5	68.7	66.43	62.36	62.21	59.25	---	---	---	---	---
10	63.8	61.56	57.53	57.41	54.50	---	---	---	---	---
15	58.9	56.67	52.68	52.57	49.73	---	---	---	---	---
20	54.2	51.93	48.08	47.88	45.19	---	---	---	---	---
25	49.5	47.34	43.71	43.35	40.85	---	---	---	---	---
30	45.0	42.82	39.37	38.89	36.59	---	---	---	---	---
35	40.5	38.34	35.12	34.56	32.44	---	---	---	---	---
40	36.1	33.97	31.05	30.39	28.48	---	---	---	---	---
45	31.8	29.78	27.19	26.46	24.75	---	---	---	---	---
50	27.7	25.85	23.58	22.74	21.38	---	---	---	---	---
55	23.8	22.21	20.24	19.45	18.41	---	---	---	---	---
60	20.1	18.88	17.19	16.53	15.87	---	---	---	---	---
65	16.7	15.86	14.47	13.96	13.59	---	---	---	---	---
70	13.6	13.06	12.04	11.63	11.48	---	---	---	---	---
75	10.9	10.61	10.09	9.52	9.48	---	---	---	---	---
80	8.4	8.38	8.36	7.28	7.62	---	---	---	---	---
85	6.3	6.63	6.62	5.27	5.79	---	---	---	---	---
ALL OTHER, MALE										
0	68.9	65.63	60.98	61.48	58.91	52.33	---	---	---	---
1	68.8	66.01	62.13	63.50	61.06	56.05	---	---	---	---
5	64.9	62.26	58.48	59.98	57.69	53.13	---	---	---	---
10	60.0	57.40	53.67	55.19	52.96	48.54	---	---	---	---
15	55.1	52.52	48.84	50.39	48.23	43.95	---	---	---	---
20	50.6	47.87	44.37	45.78	43.73	39.74	---	---	---	---
25	46.1	43.46	40.29	41.38	39.49	35.94	---	---	---	---
30	41.7	39.13	36.20	37.05	35.31	32.25	---	---	---	---
35	37.3	34.83	32.16	32.81	31.21	28.67	---	---	---	---
40	33.1	30.64	28.29	28.72	27.29	25.23	---	---	---	---
45	29.0	26.63	24.64	24.89	23.59	22.02	---	---	---	---
50	25.1	22.92	21.24	21.28	20.25	19.18	---	---	---	---
55	21.4	19.56	18.14	18.11	17.36	16.67	---	---	---	---
60	18.0	16.54	15.35	15.29	14.91	14.38	---	---	---	---
65	14.9	13.83	12.87	12.84	12.75	12.18	---	---	---	---
70	12.0	11.36	10.68	10.81	10.74	10.06	---	---	---	---
75	9.7	9.20	8.99	8.93	8.83	8.09	---	---	---	---
80	7.5	7.22	7.57	6.87	7.07	6.46	---	---	---	---
85	5.7	5.69	6.04	5.08	5.38	5.08	---	---	---	---

See footnotes at end of table.

Table 4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1996--Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Age, race, and sex	Average number of years of life remaining ($^{o}e_{x}$)									
	1996	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE										
0	76.1	74.00	69.05	66.47	62.70	55.51	- - -	- - -	- - -	- - -
1	76.0	74.31	70.01	68.10	64.37	58.47	- - -	- - -	- - -	- - -
5	72.1	70.53	66.34	64.54	60.93	55.47	- - -	- - -	- - -	- - -
10	67.2	65.64	61.49	59.72	56.17	50.83	- - -	- - -	- - -	- - -
15	62.3	60.73	56.60	54.85	51.36	46.22	- - -	- - -	- - -	- - -
20	57.4	55.88	51.85	50.07	46.77	42.14	- - -	- - -	- - -	- - -
25	52.6	51.11	47.19	45.40	42.35	38.31	- - -	- - -	- - -	- - -
30	47.9	46.39	42.61	40.83	38.02	34.52	- - -	- - -	- - -	- - -
35	43.2	41.72	38.14	36.41	33.82	30.83	- - -	- - -	- - -	- - -
40	38.7	37.16	33.87	32.16	29.82	27.31	- - -	- - -	- - -	- - -
45	34.2	32.77	29.80	28.14	26.07	24.00	- - -	- - -	- - -	- - -
50	29.9	28.59	25.97	24.31	22.67	21.04	- - -	- - -	- - -	- - -
55	25.7	24.66	22.37	20.89	19.62	18.44	- - -	- - -	- - -	- - -
60	21.8	20.99	19.02	17.83	16.95	16.14	- - -	- - -	- - -	- - -
65	18.1	17.60	15.99	15.12	14.54	13.95	- - -	- - -	- - -	- - -
70	14.7	14.44	13.30	12.46	12.29	11.81	- - -	- - -	- - -	- - -
75	11.7	11.68	11.06	10.10	10.15	9.80	- - -	- - -	- - -	- - -
80	8.9	9.17	9.01	7.66	8.15	8.00	- - -	- - -	- - -	- - -
85	6.6	7.19	7.07	5.44	6.15	6.38	- - -	- - -	- - -	- - -
BLACK										
0	70.2	68.52	64.11	- - -	- - -	53.85	- - -	- - -	- - -	- - -
1	70.3	68.99	65.27	- - -	- - -	57.15	- - -	- - -	- - -	- - -
5	66.5	65.25	61.62	- - -	- - -	54.13	- - -	- - -	- - -	- - -
10	61.6	60.38	56.79	- - -	- - -	49.50	- - -	- - -	- - -	- - -
15	56.7	55.49	51.94	- - -	- - -	44.89	- - -	- - -	- - -	- - -
20	52.0	50.75	47.34	- - -	- - -	40.73	- - -	- - -	- - -	- - -
25	47.4	46.18	43.00	- - -	- - -	36.91	- - -	- - -	- - -	- - -
30	42.9	41.69	38.70	- - -	- - -	33.17	- - -	- - -	- - -	- - -
35	38.5	37.28	34.48	- - -	- - -	29.53	- - -	- - -	- - -	- - -
40	34.2	32.98	30.46	- - -	- - -	26.06	- - -	- - -	- - -	- - -
45	30.1	28.87	26.65	- - -	- - -	22.82	- - -	- - -	- - -	- - -
50	26.2	25.03	23.11	- - -	- - -	19.94	- - -	- - -	- - -	- - -
55	22.4	21.50	19.83	- - -	- - -	17.43	- - -	- - -	- - -	- - -
60	18.9	18.29	16.83	- - -	- - -	15.18	- - -	- - -	- - -	- - -
65	15.8	15.37	14.16	- - -	- - -	13.02	- - -	- - -	- - -	- - -
70	12.8	12.67	11.77	- - -	- - -	10.93	- - -	- - -	- - -	- - -
75	10.3	10.32	9.89	- - -	- - -	8.97	- - -	- - -	- - -	- - -
80	8.0	8.17	8.20	- - -	- - -	7.31	- - -	- - -	- - -	- - -
85	6.0	6.54	6.54	- - -	- - -	5.91	- - -	- - -	- - -	- - -
BLACK, MALE										
0	66.1	64.10	60.00	- - -	- - -	52.26	47.55	47.14	34.05	32.54
1	66.2	64.60	61.24	- - -	- - -	55.93	51.08	51.63	42.53	42.46
5	62.4	60.86	57.60	- - -	- - -	52.95	48.69	50.18	44.25	45.06
10	57.5	56.01	52.79	- - -	- - -	48.34	44.27	45.99	40.65	41.90
15	52.6	51.14	47.96	- - -	- - -	43.74	39.83	41.75	36.77	38.26
20	48.0	46.48	43.49	- - -	- - -	39.52	35.95	38.36	33.46	35.11
25	43.7	42.09	39.45	- - -	- - -	35.72	32.67	35.54	30.44	32.21
30	39.4	37.81	35.40	- - -	- - -	32.05	29.45	32.51	27.33	29.25
35	35.1	33.60	31.42	- - -	- - -	28.48	26.39	29.54	24.42	26.16
40	31.0	29.51	27.61	- - -	- - -	25.06	23.36	26.53	21.57	23.12
45	27.1	25.61	24.03	- - -	- - -	21.88	20.59	23.55	18.85	20.09
50	23.4	22.03	20.69	- - -	- - -	19.06	17.92	20.47	16.21	17.34
55	19.9	18.79	17.66	- - -	- - -	16.60	15.46	17.50	13.82	14.69
60	16.7	15.89	14.93	- - -	- - -	14.37	13.15	14.74	11.67	12.62
65	13.9	13.29	12.53	- - -	- - -	12.21	10.87	12.07	9.74	10.38
70	11.2	10.94	10.40	- - -	- - -	10.11	8.78	9.58	8.00	8.33
75	9.0	8.90	8.76	- - -	- - -	8.17	6.99	7.61	6.58	6.60
80	7.0	7.03	7.35	- - -	- - -	6.58	5.42	5.83	5.53	5.12
85	5.3	5.61	5.92	- - -	- - -	5.34	4.30	4.53	4.48	4.04
BLACK, FEMALE										
0	74.2	72.88	68.32	- - -	- - -	55.56	49.51	46.92	37.67	35.04
1	74.2	73.31	69.37	- - -	- - -	58.46	52.33	50.39	45.15	43.54
5	70.3	69.54	65.70	- - -	- - -	55.40	49.81	48.70	46.42	46.04
10	65.4	64.65	60.85	- - -	- - -	50.75	45.33	44.54	42.84	43.02
15	60.5	59.74	55.97	- - -	- - -	46.13	40.87	40.36	39.18	39.79
20	55.7	54.90	51.22	- - -	- - -	42.04	37.22	37.15	36.14	36.89
25	50.9	50.13	46.57	- - -	- - -	38.20	33.93	34.35	32.97	33.90
30	46.2	45.43	42.00	- - -	- - -	34.40	30.67	31.48	29.61	30.70
35	41.6	40.79	37.56	- - -	- - -	30.83	27.47	28.58	26.44	27.52
40	37.1	36.28	33.32	- - -	- - -	27.19	24.30	25.60	23.34	24.37
45	32.8	31.94	29.31	- - -	- - -	23.89	21.39	22.61	20.43	21.36
50	28.5	27.84	25.52	- - -	- - -	20.95	18.60	19.76	17.65	18.67
55	24.5	24.00	21.97	- - -	- - -	18.38	16.27	17.09	14.98	15.88
60	20.7	20.42	18.66	- - -	- - -	16.10	14.22	14.69	12.78	13.60
65	17.2	17.13	15.67	- - -	- - -	13.95	12.24	12.41	10.82	11.38
70	13.9	14.05	13.02	- - -	- - -	11.82	10.38	10.25	9.22	9.62
75	11.2	11.37	10.85	- - -	- - -	9.81	8.62	8.37	7.55	7.90
80	8.5	8.95	8.87	- - -	- - -	8.02	6.90	6.58	6.05	6.48
85	6.2	7.09	7.00	- - -	- - -	6.41	5.48	5.22	5.09	5.10

- - - Data not available.

Table 5. Estimated average length of life in years, by race and sex: Death-registration States, 1900-28, and United States, 1929-96

[For selected years, life table values shown are estimates; see Technical notes. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Area and year	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
UNITED STATES [1]												
1996	76.1	73.1	79.1	76.8	73.9	79.7	72.6	68.9	76.1	70.2	66.1	74.2
1995	75.8	72.5	78.9	76.5	73.4	79.6	71.9	67.9	75.7	69.6	65.2	73.9
1994	75.7	72.4	79.0	76.5	73.3	79.6	71.7	67.6	75.7	69.5	64.9	73.9
1993	75.5	72.2	78.8	76.3	73.1	79.5	71.5	67.3	75.5	69.2	64.6	73.7
1992	75.8	72.3	79.1	76.5	73.2	79.8	71.8	67.7	75.7	69.6	65.0	73.9
1991	75.5	72.0	78.9	76.3	72.9	79.6	71.5	67.3	75.5	69.3	64.6	73.8
1990	75.4	71.8	78.8	76.1	72.7	79.4	71.2	67.0	75.2	69.1	64.5	73.6
1989	75.1	71.7	78.5	75.9	72.5	79.2	70.9	66.7	74.9	68.8	64.3	73.3
1988	74.9	71.4	78.3	75.6	72.2	78.9	70.8	66.7	74.8	68.9	64.4	73.2
1987	74.9	71.4	78.3	75.6	72.1	78.9	71.0	66.9	75.0	69.1	64.7	73.4
1986	74.7	71.2	78.2	75.4	71.9	78.8	70.9	66.8	74.9	69.1	64.8	73.4
1985	74.7	71.1	78.2	75.3	71.8	78.7	71.0	67.0	74.8	69.3	65.0	73.4
1984	74.7	71.1	78.2	75.3	71.8	78.7	71.1	67.2	74.9	69.5	65.3	73.6
1983	74.6	71.0	78.1	75.2	71.6	78.7	70.9	67.0	74.7	69.4	65.2	73.5
1982	74.5	70.8	78.1	75.1	71.5	78.7	70.9	66.8	74.9	69.4	65.1	73.6
1981	74.1	70.4	77.8	74.8	71.1	78.4	70.3	66.2	74.4	68.9	64.5	73.2
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	61.7	70.3
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	69.3
1972 [2]	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	69.1
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	60.5	68.9
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3
1969	70.5	66.8	74.4	71.4	67.7	75.3	64.5	60.6	68.6	---	---	---
1968	70.2	66.6	74.1	71.1	67.5	75.0	64.1	60.4	67.9	---	---	---
1967	70.5	67.0	74.3	71.4	67.8	75.2	64.9	61.4	68.5	---	---	---
1966	70.2	66.7	73.9	71.1	67.5	74.8	64.2	60.9	67.6	---	---	---
1965	70.2	66.8	73.8	71.1	67.6	74.8	64.3	61.2	67.6	---	---	---
1964	70.2	66.8	73.7	71.0	67.7	74.7	64.2	61.3	67.3	---	---	---
1963 [3]	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6	---	---	---
1962 [3]	70.1	66.9	73.5	70.9	67.7	74.5	64.2	61.6	66.9	---	---	---
1961	70.2	67.1	73.6	71.0	67.8	74.6	64.5	62.0	67.1	---	---	---
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---
1959	69.9	66.8	73.2	70.7	67.5	74.2	63.9	61.3	66.5	---	---	---
1958	69.6	66.6	72.9	70.5	67.4	73.9	63.4	61.0	65.8	---	---	---
1957	69.5	66.4	72.7	70.3	67.2	73.7	63.0	60.7	65.5	---	---	---
1956	69.7	66.7	72.9	70.5	67.5	73.9	63.6	61.3	66.1	---	---	---
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1	---	---	---
1954	69.6	66.7	72.8	70.5	67.5	73.7	63.4	61.1	65.9	---	---	---
1953	68.8	66.0	72.0	69.7	66.8	73.0	62.0	59.7	64.5	---	---	---
1952	68.6	65.8	71.6	69.5	66.6	72.6	61.4	59.1	63.8	---	---	---
1951	68.4	65.6	71.4	69.3	66.5	72.4	61.2	59.2	63.4	---	---	---
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---
1949	68.0	65.2	70.7	68.8	66.2	71.9	60.6	58.9	62.7	---	---	---
1948	67.2	64.6	69.9	68.0	65.5	71.0	60.0	58.1	62.5	---	---	---
1947	66.8	64.4	69.7	67.6	65.2	70.5	59.7	57.9	61.9	---	---	---
1946	66.7	64.4	69.4	67.5	65.1	70.3	59.1	57.5	61.0	---	---	---
1945	65.9	63.6	67.9	66.8	64.4	69.5	57.7	56.1	59.6	---	---	---
1944	65.2	63.6	66.8	66.2	64.5	68.4	56.6	55.8	57.7	---	---	---
1943	63.3	62.4	64.4	64.2	63.2	65.7	55.6	55.4	56.1	---	---	---
1942	66.2	64.7	67.9	67.3	65.9	69.4	56.6	55.4	58.2	---	---	---
1941	64.8	63.1	66.8	66.2	64.4	68.5	53.8	52.5	55.3	---	---	---
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	---	---	---
1939	63.7	62.1	65.4	64.9	63.3	66.6	54.5	53.2	56.0	---	---	---
1938	63.5	61.9	65.3	65.0	63.2	66.8	52.9	51.7	54.3	---	---	---
1937	60.0	58.0	62.4	61.4	59.3	63.8	50.3	48.3	52.5	---	---	---
1936	58.5	56.6	60.6	59.8	58.0	61.9	49.0	47.0	51.4	---	---	---
1935	61.7	59.9	63.9	62.9	61.0	65.0	53.1	51.3	55.2	---	---	---
1934	61.1	59.3	63.3	62.4	60.5	64.6	51.8	50.2	53.7	---	---	---
1933	63.3	61.7	65.1	64.3	62.7	66.3	54.7	53.5	56.0	---	---	---
1932	62.1	61.0	63.5	63.2	62.0	64.5	53.7	52.8	54.6	---	---	---
1931	61.1	59.4	63.1	62.6	60.8	64.7	50.4	49.5	51.5	---	---	---
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2	---	---	---
1929	57.1	55.8	58.7	58.6	57.2	60.3	46.7	45.7	47.8	---	---	---

See footnotes at end of table.

Table 5. Estimated average length of life in years, by race and sex: Death-registration States, 1900-28, and United States, 1929-96--Con.

[For selected years, life table values shown are estimates; see Technical notes. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical notes]

Area and year	All races			White			All other					
							Total			Black		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
DEATH-REGISTRATION STATES												
1928	56.8	55.6	58.3	58.4	57.0	60.0	46.3	45.6	47.0	- - -	- - -	- - -
1927	60.4	59.0	62.1	62.0	60.5	63.9	48.2	47.6	48.9	- - -	- - -	- - -
1926	56.7	55.5	58.0	58.2	57.0	59.6	44.6	43.7	45.6	- - -	- - -	- - -
1925	59.0	57.6	60.6	60.7	59.3	62.4	45.7	44.9	46.7	- - -	- - -	- - -
1924	59.7	58.1	61.5	61.4	59.8	63.4	46.6	45.5	47.8	- - -	- - -	- - -
1923	57.2	56.1	58.5	58.3	57.1	59.6	48.3	47.7	48.9	- - -	- - -	- - -
1922	59.6	58.4	61.0	60.4	59.1	61.9	52.4	51.8	53.0	- - -	- - -	- - -
1921	60.8	60.0	61.8	61.8	60.8	62.9	51.5	51.6	51.3	- - -	- - -	- - -
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2	- - -	- - -	- - -
1919	54.7	53.5	56.0	55.8	54.5	57.4	44.5	44.5	44.4	- - -	- - -	- - -
1918	39.1	36.6	42.2	39.8	37.1	43.2	31.1	29.9	32.5	- - -	- - -	- - -
1917	50.9	48.4	54.0	52.0	49.3	55.3	38.8	37.0	40.8	- - -	- - -	- - -
1916	51.7	49.6	54.3	52.5	50.2	55.2	41.3	39.6	43.1	- - -	- - -	- - -
1915	54.5	52.5	56.8	55.1	53.1	57.5	38.9	37.5	40.5	- - -	- - -	- - -
1914	54.2	52.0	56.8	54.9	52.7	57.5	38.9	37.1	40.8	- - -	- - -	- - -
1913	52.5	50.3	55.0	53.0	50.8	55.7	38.4	36.7	40.3	- - -	- - -	- - -
1912	53.5	51.5	55.9	53.9	51.9	56.2	37.9	35.9	40.0	- - -	- - -	- - -
1911	52.6	50.9	54.4	53.0	51.3	54.9	36.4	34.6	38.2	- - -	- - -	- - -
1910	50.0	48.4	51.8	50.3	48.6	52.0	35.6	33.8	37.5	- - -	- - -	- - -
1909	52.1	50.5	53.8	52.5	50.9	54.2	35.7	34.2	37.3	- - -	- - -	- - -
1908	51.1	49.5	52.8	51.5	49.9	53.3	34.9	33.8	36.0	- - -	- - -	- - -
1907	47.6	45.6	49.9	48.1	46.0	50.4	32.5	31.1	34.0	- - -	- - -	- - -
1906	48.7	46.9	50.8	49.3	47.3	51.4	32.9	31.8	33.9	- - -	- - -	- - -
1905	48.7	47.3	50.2	49.1	47.6	50.6	31.3	29.6	33.1	- - -	- - -	- - -
1904	47.6	46.2	49.1	48.0	46.6	49.5	30.8	29.1	32.7	- - -	- - -	- - -
1903	50.5	49.1	52.0	50.9	49.5	52.5	33.1	31.7	34.6	- - -	- - -	- - -
1902	51.5	49.8	53.4	51.9	50.2	53.8	34.6	32.9	36.4	- - -	- - -	- - -
1901	49.1	47.6	50.6	49.4	48.0	51.0	33.7	32.2	35.3	- - -	- - -	- - -
1900	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5	- - -	- - -	- - -

- - - Data not available.
1 Alaska included in 1959 and Hawaii in 1960.
2 Deaths based on a 50-percent sample.
3 Figures by race exclude data for residents of New Jersey; see Technical notes.

Technical notes

The life table program—Three series of life tables are prepared by the National Center for Health Statistics—complete, preliminary abridged, and final abridged. The complete life tables for the U.S. population are based on decennial census data and deaths for a 3-year period around the census year. Preliminary abridged life tables are based on a substantial sample (approximately 90 percent) of death records. Estimates of life expectancy from the preliminary series are published biannually. The final abridged life tables (referred to in this section as "abridged life tables") are based on a complete count of all reported deaths.

Available annually since 1945, the final abridged life tables are based on deaths occurring during the calendar year and on midyear postcensal population estimates provided by the U.S. Bureau of the Census. Beginning with 1945, abridged life tables have been constructed by reference to a standard table (4). Methodology developed by Greville was used in constructing life tables for 1945–52. Since 1953 a modified method has been employed (5). U.S. life tables for the decennial period 1979–81 are used as the standard table in constructing the 1996 abridged life tables.

Geographic coverage—The geographic areas covered in life tables before 1929–31 were limited to the death-registration areas. Life tables for 1900–1902 and 1909–11 were constructed using mortality data from the 1900 death-registration States (10 States and the District of Columbia) and for 1919–21 from the 1920 death-registration States (34 States and the District of Columbia). The tables for 1929–31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959–61 were derived from data that include both Alaska and Hawaii for each year (table 4). Data for each year shown in table 5 include Alaska beginning in 1959 and Hawaii beginning in 1960. However, it is not believed that the inclusion of these two States materially affects life table values.

Revised life table values, 1961–89—Life table values for 1960–69, 1970–79, and 1980–89 were constructed using the U.S. decennial life tables for 1959–61, 1969–71, and 1979–81, respectively, as the standard tables. The life table values for years prior to 1989 appearing in this publication are based on revised intercensal estimates of the populations for those years. As a result, the life table values for these years may differ from the life table values for those years published in *Vital Statistics of the United States* for 1989 and earlier years. Life table values for 1991 and later are based on postcensal population estimates and will be recalculated when intercensal estimates become available.

New Jersey data, 1962–64—The life tables for 1962 and 1963 for the six population groups involving race do not include data from New Jersey, which omitted the item on race from its certificates of live birth, death, and fetal death in use at the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without this item was used for most of 1962 as well as for 1963. For computing vital rates, populations by age, race, and sex (excluding New Jersey) were estimated to obtain comparable denominators. Approximately 7 percent of the New Jersey death records for 1964 did not contain the race designation. When the records were being electronically processed for this State, the "race not stated" deaths were proportionally allocated to white or to black.

Nonresidents—Beginning in 1970 the deaths of nonresidents of the United States have been excluded from the life table statistics.

Estimates for single calendar years—Annual abridged life tables were initiated in 1945 for white males, white females, all other males, and all other females. The figures in table 5 by race and sex for the following years were estimated using a procedure other than the abridged life table methodology (6).

Years	Race and sex
1900–45	Total
1900–47	Male
1900–47	Female
1900–50	White
1900–44	White male
1900–44	White female
1900–50	All other
1900–44	All other male
1900–44	All other female

Population bases for computing life tables—The population used for computing life table values shown in this section (furnished by the U.S. Bureau of the Census) represents the resident population of the United States. The populations used for computing the 1996 life table values are based on the July 1, 1996, population estimates that are consistent with the 1990 census (7). The 1990 census counts by race and age were modified. Race was modified to be consistent with the Office of Management and Budget categories and historical categories for mortality data. The modification procedures for race and age are described in a census report (8).

Contents

Suggested citation

Anderson RN. United States abridged life tables, 1996. National vital statistics reports; vol 47 no. 13. Hyattsville, Maryland: National Center for Health Statistics. 1998.

To receive this publication regularly, contact the National Center for Health Statistics by calling 301-436-8500
E-mail: nchsquery@cdc.gov
Internet: www.cdc.gov/nchswww/

U.S. DEPARTMENT OF
HEALTH & HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics
6525 Belcrest Road
Hyattsville, Maryland 20782-2003

DHHS Publication No. (PHS) 99–1120
9-0085 (12/98)

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FIRST CLASS MAIL
POSTAGE & FEES PAID
CDC/NCHS
PERMIT NO. G-284