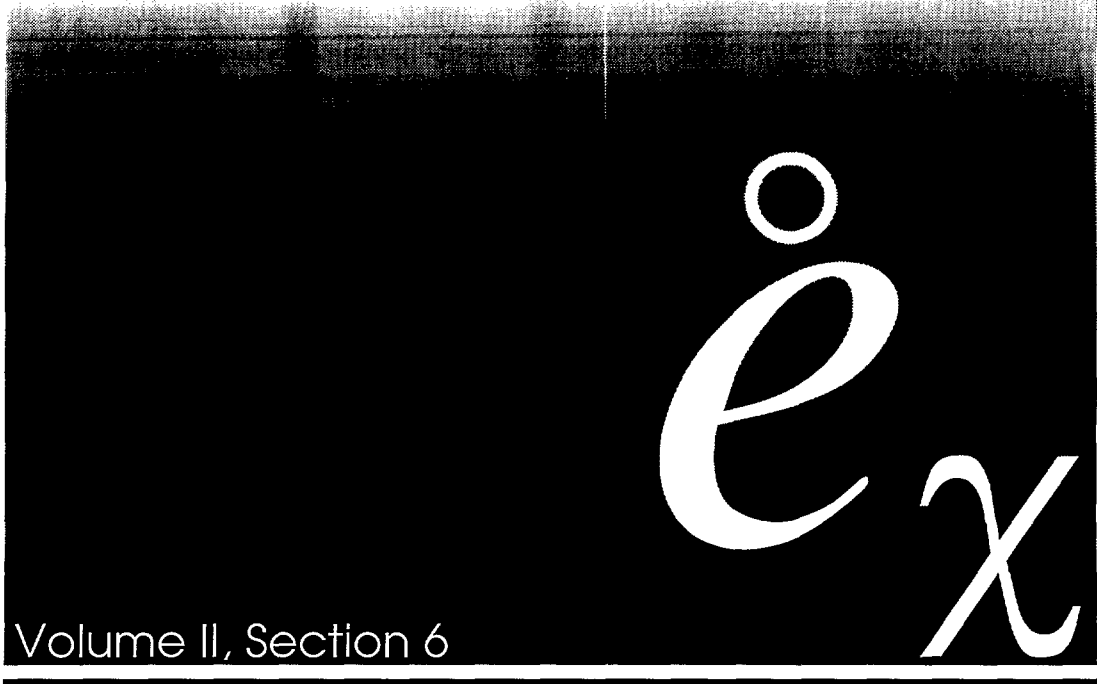

Vital Statistics
of the
United States, 1990

LIFE • TABLES



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Volume II, Section 6

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

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JAMES A. WEED, Ph.D., *Acting Chief, Followback Survey Branch*

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Guide to tables in section 6

	TABLE: 6	-1	-2	-3	-4	-5
	PAGE:	7	11	12	13	19
Years:						
1900-1990 -----						15
1990 only-----		1	2	3		
Specified years and 1990-----				24		
Type of entry:						
Proportion dying (${}_nq_x$) -----		1				
Number surviving (${}_nL_x$) -----		1	2		4	
Number dying (${}_nd_x$)-----		1				
Stationary population (${}_nL_x$ and T_x)-----		1				
Average remaining lifetime (${}^o e_x$) -----		1		3	4	
Average length of life (${}^o e_o$)-----						5
Characteristics:						
Age by:						
Single years -----			2	3		
5-year intervals-----		1			4	
Race-specific -----		1	2	3	4	5
Sex-race specific -----		1	2	3	4	5
Sex-specific-----		1	2	3	4	5
Total population -----		1	2	3	4	5

¹Entire United States for 1929-90; death-registration States for 1900-28.

²Entire United States for specified years from 1929 to 1990; death registration States for specified years from 1900 to 1921.

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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 1990 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1990. 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 section the term “life table” refers only to the current life table and not to the generation life table.

The life table program

Three series of life tables are prepared by the National Center for Health Statistics—complete, provisional abridged, and final abridged. The complete life tables for the U.S. population contain life table values for single years of age. They are based on decennial census data and deaths for a 3-year period around the census year and have been prepared since 1900. The provisional abridged life tables contain values by 5-year age groups and are based on a 10-percent sample of deaths. The final abridged life tables (referred to in this section as “abridged life tables”) also contain values by 5-year age groups but are based on a complete count of all reported deaths.

In response to a growing number of requests for postcensal life table values, a series of abridged life tables was

initiated in 1945. Available annually since that year, the 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. Refinements in both the techniques for estimating the population and the methods for constructing abridged life tables permit these tables to be prepared in a way that provides reasonably accurate data on current trends in expectation of life and survivorship. Beginning with 1945, abridged life tables have been constructed by reference to a standard table (3). Methodology developed by Greville was used in constructing life tables for 1945–52. Since 1953 a modified method has been employed (4). U.S. life tables for the decennial period 1979–81 are used as the standard table in constructing the 1990 abridged life tables.

The 1945 abridged life tables were prepared for white and all other males and females. Since 1946 abridged life tables for the total population have also been available, and since 1948 abridged life tables have been calculated for total males and total females. Beginning with 1951, additional abridged life tables have been calculated for the total white and total all other populations.

Numerous requests have been received annually for current life table statistics that are more detailed than those available in the abridged life tables. Therefore, tables showing l_x and e_x values by single years of age interpolated from the abridged life tables have been published since 1960.

The demand for information regarding up-to-date life table values was responsible for the introduction of a third series, provisional abridged life tables. Beginning with 1958, provisional abridged life tables have been published, for the total population only, in the “Annual Summary of Births, Marriages, Divorces, and Deaths, United States,” *Monthly Vital Statistics Report*; unpublished provisional life table data by race and sex are also produced annually. Values in these life tables are based on population estimates provided by the U.S. Bureau of the Census and on the estimated number of deaths derived from the Current Mortality Sample (CMS). The CMS consists of one-tenth of the death certificates filed in the vital statistics registration offices of each State, the District of Columbia, and New York City. The sample is taken by selecting 1 of every 10 death certificates received between two dates a month apart, regardless of the month or year in which the death occurred.

Life table values

The data used to prepare the abridged U.S. life tables for 1990 are the final mortality statistics and the April 1, 1990,

SECTION 6 – LIFE TABLES – PAGE 2

Table A. Expectation of life at selected ages by race and sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1989, and 1990

Life table value, period, and age	Total	White		All other			
				Total		Black	
		Male	Female	Male	Female	Male	Female
Expectation of life							
At birth:							
1990.....	75.4	72.7	79.4	67.0	75.2	64.5	73.6
1989 ¹	75.1	72.5	79.2	66.7	74.9	64.3	73.3
1979-81.....	73.88	70.82	78.22	65.63	74.00	64.10	73.88
1969-71.....	70.75	67.94	75.49	60.98	69.05	69.00	68.32
1959-61.....	69.89	67.55	74.19	61.48	66.47	---	---
1900-1902.....	49.24	48.23	51.08	---	---	32.54	35.04
At age 1 year:							
1990.....	75.1	72.3	78.9	67.2	75.3	65.8	73.8
1989 ¹	74.9	72.2	78.8	66.9	75.0	64.6	73.6
1979-81.....	73.82	70.70	77.98	66.01	74.31	64.60	73.31
1969-71.....	71.19	68.33	75.66	62.13	70.01	61.24	69.37
1959-61.....	70.75	68.34	74.68	63.50	68.10	---	---
1900-1902.....	55.20	54.61	56.39	---	---	42.46	43.54
At age 20 years:							
1990.....	56.6	54.0	60.3	49.0	56.8	46.7	55.3
1989 ¹	56.5	53.8	60.2	48.7	56.5	46.5	55.1
1979-81.....	55.46	52.45	59.44	47.87	55.88	46.48	54.90
1969-71.....	53.00	50.22	57.24	44.37	51.85	43.49	51.22
1959-61.....	52.58	50.25	56.29	45.78	50.07	---	---
1900-1902.....	42.79	42.19	43.77	---	---	35.11	36.89
At age 65 years:							
1990.....	17.2	15.2	19.1	14.0	17.8	13.2	17.2
1989 ¹	17.1	15.1	18.9	13.9	17.5	13.0	16.9
1979-81.....	16.51	14.26	18.55	13.83	17.60	13.29	17.13
1969-71.....	15.00	13.02	16.93	12.87	15.99	12.53	15.67
1959-61.....	14.39	12.97	15.88	12.84	15.12	---	---
1900-1902.....	11.86	11.51	12.23	---	---	10.38	11.38

¹Life table values are revised and, therefore, may differ from those published in *Vital Statistics of the United States, 1989 Life Tables, Volume II, Section 6* and earlier years.

census enumeration by age, race, and sex prepared by the U.S. Bureau of the Census. Selected life table values for 1900–1902, 1959–61, 1969–71, 1979–81, 1989, and 1990 are shown in tables A and B.

Expectation of life—The most frequently used life table statistic is life expectancy (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 1990 are shown for the total population and by race and sex in table 6-1. In addition, life expectancies at single years of age by race and sex are shown in table 6-3.

Life expectancy at birth for 1990 for the total population was 75.4 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 (tables A and 6-1).

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 provides the data for computing the proportion. For instance, for the total population, 79,590 out of the original 1990 life table cohort of 100,000 (or 79.6 percent) were alive at exact age 65 (tables B and 6-2).

Median length of life—In addition to determining the proportion alive at a specified age, one can also compute the median age at death, the age at which exactly half the cohort (50,000 persons) still remain alive and half have died. For example, in 1990 the median age at death for the total population was 79.0 years (table B).

Trends and comparisons

In 1990 life expectancy at birth reached a record high of 75.4 years. This continued the general upward trend in life expectancy in the United States.

The expectation of life at birth for 1990 represents the average number of years that a group of infants born in 1990 would expect to live if the infants were to experience throughout their life the age-specific death rates prevailing in 1990. In 1990 life expectancy at birth for females was 78.8 years compared with 71.8 years for males; both figures represent increases over 1989 (table A). The difference in life expectancy between the sexes was 7.0 years in 1990, higher than the difference of 6.8 years in 1989. Historically, the difference in life expectancy between the sexes has narrowed since 1979, in

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Table B. Percent surviving from birth to selected ages, and median age at death, by race and sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1989, and 1990

Life table value, period, and age	Total	White		All other			
		Male	Female	Total		Black	
				Male	Female	Male	Female
Percent surviving from birth							
To age 1 year:							
1990	99.1	99.1	99.3	98.3	98.6	98.0	98.4
1989 ¹	99.0	99.1	99.3	98.2	98.5	98.0	98.3
1979–81	98.7	98.8	99.0	97.9	98.3	97.7	98.1
1969–71	98.0	98.0	98.5	96.6	97.2	96.4	97.1
1959–61	97.4	97.4	98.0	95.3	96.2	---	---
1900–1902	87.6	86.7	88.9	---	---	74.7	78.5
To age 20 years:							
1990	98.2	98.1	98.8	96.8	97.9	96.3	97.6
1989 ¹	98.1	98.1	98.7	96.8	97.8	96.4	97.5
1979–81	97.7	97.5	98.4	96.4	97.4	96.1	97.2
1969–71	96.7	96.5	97.6	94.3	95.9	94.1	95.7
1959–61	96.1	95.9	97.1	93.1	94.7	---	---
1900–1902	77.2	76.4	79.0	---	---	56.7	59.1
To age 65 years:							
1990	79.6	76.0	86.4	62.7	78.3	57.1	75.1
1989 ¹	79.5	75.9	86.3	63.6	78.3	57.8	75.3
1979–81	77.1	72.4	84.8	58.5	75.4	55.1	73.3
1969–71	71.9	66.3	81.6	49.6	66.1	47.5	64.7
1959–61	71.1	65.8	80.7	51.4	60.8	---	---
1900–1902	40.9	39.2	43.8	---	---	19.0	22.0
Median age at death:							
1990	79.0	76.2	85.8	70.9	79.3	68.3	77.6
1989 ¹	78.8	76.0	82.6	70.3	78.8	67.8	77.2
1979–81	77.6	74.2	81.8	69.0	77.8	67.4	76.6
1969–71	74.9	71.5	79.5	64.8	72.8	63.8	72.2
1959–61	74.3	71.4	78.5	65.6	70.6	---	---
1900–1902	58.4	57.2	60.6	---	---	29.8	34.3

¹Life table values are revised and, therefore, may differ from those published in *Vital Statistics of the United States, 1989 Life Tables, Volume II Section 6* and earlier years.

contrast to widening from 1900 to 1972. The difference was 6.8 years in 1989 compared with 7.1 years in 1984, 7.8 years in 1975, 7.7 years and 7.8 years throughout the period 1972–79, 6.5 years in 1960, and 2.0 years in 1900.

Between 1989 and 1990 life expectancy for the white population increased from 75.9 years to a record high of 76.1 years, and for the black population from 68.8 years to 69.1 years. Although the difference in life expectancy between the black and white population narrowed from 7.6 years in 1970 to 5.7 years in 1982, it increased to 7.1 years in 1989 before declining to 7.0 years in 1990.

Among the four race-sex groups (white males and females; black males and females), white females continued to have the highest life expectancy at birth (79.4 years), followed by black females (73.6 years), white males (72.7 years), and black males (64.5 years) (table A). Between 1989 and 1990, life expectancy increased for black males (from 64.3 years in 1989 to 64.5 years in 1990) and for black females (from 73.3 years in 1989 to 73.6 years in 1990). Between 1984 and 1989, life expectancy for black males declined every year and, although life expectancy for black males increased between 1989 and 1990, it is still 0.8 years below the peak life expectancy of 65.3 years attained in 1984. Life expectancy for

black females has fluctuated since 1982, showing no clear trend. Between 1985 and 1990, life expectancy at birth increased each year for white males; for white females, it increased for 4 of the 5 years; for black females, for 2 of the 5 years; and for black males, life expectancy decreased for 4 of the 5 years (table C). Overall, the largest gain in life expectancy between 1980 and 1990 was for white males (2.0 years), followed by white females (1.3 years), black females (1.1 years), and black males (0.7 years).

The 1990 life table can be used to compare life expectancies at any age from birth onward. For example, a person who has reached age 65 years may look forward to living to an older age, on the average, than one who has reached age 50 years. On the basis of mortality experienced in 1990, a person aged 50 years could expect to live an average of 29.0 more years for a total of 79.0 years, and a person aged 65 years could expect to live an average of 17.2 more years for a total of 82.2 years (table A).

Life expectancy differences between males and females widened for many years after the beginning of the century, but recently the differences have narrowed for the white population and have widened for the black population (table D). For the white population the difference between males and females

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Table C. Average annual change in life expectancy at birth in years by race and sex: United States, 1900–1902 to 1969–71, 1969–71 to 1979–81, 1979–81 to 1984, 1984 to 1985, 1985 to 1986, 1986 to 1987, 1987 to 1988, 1988 to 1989, and 1989 to 1990

Period	White		Black	
	Male	Female	Male	Female
1989 to 1990 ¹	+0.2	+0.2	+0.2	+0.3
1988 to 1989 ¹	+0.3	+0.3	-0.1	+0.1
1987 to 1988 ¹	+0.1	—	-0.3	-0.2
1986 to 1987 ¹	+0.2	+0.1	-0.1	—
1985 to 1986 ¹	+0.1	+0.1	-0.2	—
1984 to 1985 ¹	—	—	-0.3	-0.2
1979–81 to 1984 ¹	+0.3	+0.1	+0.4	+0.2
1969–71 to 1979–81	+0.3	+0.3	+0.4	+0.5
1900–1902 to 1969–71	+0.3	+0.4	+0.4	+0.5

¹Life table values are revised and, therefore, may differ from those published in *Vital Statistics of the United States, 1989 Life Tables, Volume II, Section 6* and earlier years.

Table D. Differences in life expectancy at birth between males and females, by race; and between white and black persons, by sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1984, 1985, 1986, 1987, 1988, 1989, and 1990

Period	Female-Male		White-Black	
	White	Black	Male	Female
1990	6.7	9.1	8.2	5.8
1989 ¹	6.7	9.0	8.2	5.9
1988 ¹	6.7	8.8	7.8	5.7
1987 ¹	6.8	8.7	7.4	5.5
1986 ¹	6.9	8.6	7.1	5.4
1985 ¹	6.9	8.4	6.8	5.3
1984 ¹	6.9	8.3	6.5	5.1
1979–81	7.40	8.78	6.72	5.34
1969–71	7.55	8.32	7.94	7.17
1959–61	6.64	—	—	—
1900–1902	2.85	2.50	15.69	16.04

¹Life table values are revised and, therefore, may differ from those published in *Vital Statistics of the United States, 1989 Life Tables, Volume II, Section 6* and earlier years.

increased from 2.9 years in 1900–1902 to 7.6 years by 1969–71; the difference has narrowed to 6.7 years for 1988–90. For the black population, the difference increased from 2.5 years in 1900–1902 to 8.8 years by 1979–81; it narrowed to 8.3 years by 1984, and increased to 9.1 years in 1990.

Technical appendix

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 which include both Alaska and Hawaii for each year (table 6-4). Data for each year shown in table 6-5 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 are 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 1981–89 appearing in this publication are based on revised intercensal estimates of the populations for those years. As a result, the life table values for 1981–89 may differ from the life table values for those years published in *Vital Statistics of the United States* for 1989 and earlier years.

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. This State 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 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—There has been an increasing interest in data on the average length of life (e_x) for single calendar years prior to 1945, when the annual abridged life table series was initiated. The figures in table 6-5 for groups by race and sex for the following years were estimated to meet these needs (5).

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 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 1990 life table values are based on the April 1, 1990, census enumeration (6). 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 the census report (7).

Life table values in this report for 1981-89 are based on revised populations that are consistent with the 1990 census level (7). They are, therefore, not comparable with rates published in previous years.

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, the proportion dying is 0.00828: Out of every 1,000 males alive and exactly 20 years of age at the beginning of the period, about 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, 98,969 will complete the first year of life and enter the second; 98,765 will begin the sixth year; 97,863 will reach age 20; and 21,962 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, 1,031 will die in the first year of life; 204 in the succeeding 4 years; 811 in the 5-year period between exact ages 20 and 25, and 21,962 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 487,331. 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 487,331 persons between exact ages 20 and 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 5,211,935 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 7,183,880.

Column 7—Average remaining lifetime (e_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 among the survivors of a cohort of 100,000 live births. Thus the figure 487,331 for males in the age interval 20–25 is the total number of years lived between the 20th and 25th birthdays by the 97,863 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure 5,211,935 in column 6 is the total number of years lived after attaining age 20 by the 97,863 reaching that age. This number of years divided by the number of persons (5,211,935 divided by 97,863) gives 53.3 years as the average remaining lifetime of males at age 20.

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Symbols Used in Tables

Data not available	---
Category not applicable	...
Quantity zero	—
Quantity more than zero but less than 0.05	0.0
Quantity more than zero but less than 500 where numbers are rounded to thousands.....	Z
Figure does not meet standards of reliability or precision estimate is based on fewer than 20 events in numerator or denominator	*

SECTION 6 - LIFE TABLES - PAGE 7

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1990
(Page 1 of 4)

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	n^d_x	n^L_x	T_x	e_x
ALL RACES						
0-1	0.00926	100,000	927	99,210	7,535,219	75.4
1-5	.00184	99,073	183	395,863	7,436,009	75.1
5-10	.00111	98,890	110	494,150	7,040,146	71.2
10-15	.00128	98,780	127	493,654	6,545,996	66.3
15-20	.00436	98,653	430	492,290	6,052,342	61.3
20-25	.00549	98,223	539	489,794	5,560,052	56.6
25-30	.00621	97,684	607	486,901	5,070,258	51.9
30-35	.00765	97,077	743	483,571	4,583,357	47.2
35-40	.00988	96,334	952	479,425	4,099,786	42.6
40-45	.01261	95,382	1,203	474,117	3,620,361	38.0
45-50	.01868	94,179	1,759	466,820	3,146,244	33.4
50-55	.02905	92,420	2,685	455,809	2,679,424	29.0
55-60	.04570	89,735	4,101	439,012	2,223,615	24.8
60-65	.07058	85,634	6,044	413,879	1,784,603	20.8
65-70	.10285	79,590	8,186	378,369	1,370,724	17.2
70-75	.15191	71,404	10,847	330,846	992,355	13.9
75-80	.22110	60,557	13,389	270,129	661,509	10.9
80-85	.32387	47,168	15,276	197,857	391,380	8.3
85 and over	1.00000	31,892	31,892	193,523	193,523	6.1
MALE						
0-1	.01031	100,000	1,031	99,119	7,183,880	71.8
1-5	.00206	98,969	204	395,403	7,084,761	71.6
5-10	.00129	98,765	127	493,479	6,689,358	67.7
10-15	.00156	98,638	153	492,911	6,195,879	62.8
15-20	.00632	98,485	622	491,033	5,702,968	57.9
20-25	.00828	97,863	811	487,331	5,211,935	53.3
25-30	.00920	97,052	893	483,003	4,724,604	48.7
30-35	.01113	96,159	1,070	478,152	4,241,601	44.1
35-40	.01405	95,089	1,336	472,274	3,763,449	39.6
40-45	.01713	93,753	1,606	465,027	3,291,175	35.1
45-50	.02426	92,147	2,235	455,563	2,826,148	30.7
50-55	.03710	89,912	3,336	441,751	2,370,585	26.4
55-60	.05881	86,576	5,091	420,868	1,928,834	22.3
60-65	.09123	81,485	7,434	369,800	1,507,966	18.5
65-70	.13352	74,051	9,887	346,465	1,118,166	15.1
70-75	.19707	64,164	12,645	289,929	771,701	12.0
75-80	.28476	51,519	14,671	221,047	481,772	9.4
80-85	.40399	36,848	14,886	146,168	260,725	7.1
85 and over	1.00000	21,962	21,962	114,557	114,557	5.2
FEMALE						
0-1	.00817	100,000	817	99,307	7,876,756	78.8
1-5	.00161	99,183	160	396,349	7,777,449	78.4
5-10	.00093	99,023	92	494,865	7,381,100	74.5
10-15	.00099	98,931	98	494,443	6,886,235	69.6
15-20	.00231	98,833	229	493,629	6,391,792	64.7
20-25	.00256	98,604	253	492,399	5,898,163	59.8
25-30	.00319	98,351	313	490,989	5,405,764	55.0
30-35	.00423	98,038	414	489,203	4,914,775	50.1
35-40	.00577	97,624	563	486,812	4,425,572	45.3
40-45	.00819	97,061	795	483,465	3,938,760	40.6
45-50	.01329	96,266	1,279	478,365	3,455,295	35.9
50-55	.02139	94,987	2,032	470,170	2,976,930	31.3
55-60	.03356	92,955	3,120	457,435	2,506,760	27.0
60-65	.05225	89,835	4,694	438,123	2,049,325	22.8
65-70	.07728	85,141	6,579	410,119	1,611,202	18.9
70-75	.11692	78,562	9,186	371,024	1,201,083	15.3
75-80	.17750	69,376	12,314	317,548	830,059	12.0
80-85	.27745	57,062	15,832	246,835	512,511	9.0
85 and over	1.00000	41,230	41,230	265,676	265,676	6.4

SECTION 6 - LIFE TABLES - PAGE 8

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1990—Con.
(Page 2 of 4)

Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
x to $x + n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
WHITE						
0-1	0.00760	100,000	760	99,352	7,611,070	76.1
1-5	.00163	99,240	162	396,581	7,511,718	75.7
5-10	.00102	99,078	101	495,115	7,115,137	71.8
10-15	.00120	98,977	119	494,658	6,620,022	66.9
15-20	.00404	98,858	400	493,379	6,125,364	62.0
20-25	.00486	98,458	479	491,107	5,631,985	57.2
25-30	.00537	97,979	527	488,564	5,140,878	52.5
30-35	.00652	97,452	635	485,707	4,652,314	47.7
35-40	.00841	96,817	815	482,165	4,166,607	43.0
40-45	.01101	96,002	1,057	477,563	3,684,442	38.4
45-50	.01666	94,945	1,582	471,080	3,206,879	33.8
50-55	.02648	93,363	2,472	461,048	2,735,799	29.3
55-60	.04253	90,891	3,866	445,380	2,274,751	25.0
60-65	.06721	87,025	5,849	421,339	1,829,371	21.0
65-70	.09918	81,176	8,051	386,675	1,408,032	17.3
70-75	.14873	73,125	10,876	339,437	1,021,357	14.0
75-80	.21863	62,249	13,622	278,096	681,920	11.0
80-85	.32245	48,627	15,680	204,192	403,824	8.3
85 and over	1.00000	32,947	32,947	199,632	199,632	6.1
WHITE, MALE						
0-1	.00855	100,000	855	99,271	7,271,522	72.7
1-5	.00181	99,145	180	396,164	7,172,251	72.3
5-10	.00118	98,965	117	494,506	6,776,087	68.5
10-15	.00145	98,848	143	493,985	6,281,581	63.5
15-20	.00573	98,705	565	492,254	5,787,536	58.6
20-25	.00728	98,140	714	488,939	5,295,342	54.0
25-30	.00797	97,426	777	485,150	4,806,403	49.3
30-35	.00956	96,649	924	480,957	4,321,253	44.7
35-40	.01203	95,725	1,151	475,895	3,840,296	40.1
40-45	.01493	94,574	1,412	469,599	3,364,401	35.6
45-50	.02153	93,162	2,006	461,197	2,894,802	31.1
50-55	.03375	91,156	3,077	448,611	2,433,605	26.7
55-60	.05475	88,079	4,822	429,070	1,984,994	22.5
60-65	.08705	83,257	7,248	399,164	1,555,924	18.7
65-70	.12919	76,009	9,819	356,490	1,156,760	15.2
70-75	.19326	66,190	12,792	299,767	800,270	12.1
75-80	.28242	53,398	15,081	229,471	500,503	9.4
80-85	.40333	38,317	15,455	152,056	271,032	7.1
85 and over	1.00000	22,862	22,862	118,976	118,976	5.2
WHITE, FEMALE						
0-1	.00659	100,000	659	99,439	7,940,961	79.4
1-5	.00143	99,341	142	397,023	7,841,522	78.9
5-10	.00085	99,199	85	495,765	7,444,499	75.0
10-15	.00093	99,114	92	495,375	6,948,734	70.1
15-20	.00226	99,022	224	494,585	6,453,359	65.2
20-25	.00232	98,798	229	493,422	5,958,774	60.3
25-30	.00270	98,569	266	492,191	5,465,352	55.4
30-35	.00344	98,303	338	490,708	4,973,161	50.6
35-40	.00477	97,965	468	488,736	4,482,453	45.8
40-45	.00711	97,497	693	485,884	3,993,717	41.0
45-50	.01188	96,804	1,150	481,364	3,507,833	36.2
50-55	.01944	95,654	1,860	473,925	3,026,469	31.6
55-60	.03102	93,794	2,910	462,145	2,552,544	27.2
60-65	.04928	90,884	4,479	443,908	2,090,399	23.0
65-70	.07389	86,405	6,384	416,947	1,646,493	19.1
70-75	.11394	80,021	9,117	378,545	1,229,546	15.4
75-80	.17510	70,904	12,416	325,050	851,001	12.0
80-85	.27580	58,488	16,131	253,311	525,951	9.0
85 and over	1.00000	42,357	42,357	272,640	272,640	6.4

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Table 6-1. Abridged Life Tables by Race and Sex: United States, 1990—Con.
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Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
x to $x + n$	nq_x	l_x	n^d_x	n^L_x	T_x	$^o e_x$
ALL OTHER						
0-1	0.01558	100,000	1,558	98,673	7,120,576	71.2
1-5	.00266	98,442	262	393,153	7,021,903	71.3
5-10	.00149	98,180	146	490,496	6,628,750	67.5
10-15	.00163	98,034	160	489,835	6,138,254	62.6
15-20	.00568	97,874	556	488,135	5,648,419	57.7
20-25	.00829	97,318	807	484,687	5,160,284	53.0
25-30	.01022	96,511	987	480,159	4,675,597	48.4
30-35	.01339	95,524	1,280	474,530	4,195,438	43.9
35-40	.01742	94,244	1,641	467,340	3,720,908	39.5
40-45	.02187	92,603	2,026	458,256	3,253,568	35.1
45-50	.03104	90,577	2,812	446,282	2,795,312	30.9
50-55	.04491	87,765	3,941	429,468	2,349,030	26.8
55-60	.06675	83,824	5,596	405,703	1,919,562	22.9
60-65	.09568	78,228	7,485	373,049	1,513,859	19.4
65-70	.13279	70,743	9,394	330,807	1,140,810	16.1
70-75	.18037	61,349	11,066	279,605	810,003	13.2
75-80	.24222	50,283	12,179	221,113	530,398	10.5
80-85	.33837	38,104	12,893	158,053	309,285	8.1
85 and over	1.00000	25,211	25,211	151,232	151,232	6.0
ALL OTHER, MALE						
0-1	.01702	100,000	1,702	98,541	6,700,023	67.0
1-5	.00302	98,298	297	392,505	6,601,482	67.2
5-10	.00172	98,001	169	489,539	6,208,977	63.4
10-15	.00200	97,832	196	488,768	5,719,438	58.5
15-20	.00877	97,636	857	486,304	5,230,670	53.6
20-25	.01300	96,779	1,258	480,941	4,744,366	49.0
25-30	.01537	95,521	1,468	474,027	4,263,425	44.6
30-35	.01951	94,053	1,835	465,800	3,789,398	40.3
35-40	.02518	92,218	2,322	455,550	3,323,598	36.0
40-45	.03082	89,896	2,771	442,938	2,868,048	31.9
45-50	.04207	87,125	3,666	426,999	2,425,110	27.8
50-55	.05908	83,459	4,931	405,542	1,998,111	23.9
55-60	.08789	78,528	6,902	375,968	1,592,569	20.3
60-65	.12477	71,626	8,937	336,380	1,216,601	17.0
65-70	.17063	62,689	10,696	287,073	880,221	14.0
70-75	.23301	51,993	12,115	229,830	593,148	11.4
75-80	.30690	39,878	12,238	168,510	363,318	9.1
80-85	.41033	27,640	11,342	109,157	194,808	7.0
85 and over	1.00000	16,298	16,298	85,651	85,651	5.3
ALL OTHER, FEMALE						
0-1	.01408	100,000	1,408	98,812	7,524,270	75.2
1-5	.00231	98,592	228	393,824	7,425,458	75.3
5-10	.00124	98,364	122	491,483	7,031,634	71.5
10-15	.00126	98,242	123	490,933	6,540,151	66.6
15-20	.00251	98,119	246	490,031	6,049,218	61.7
20-25	.00365	97,873	357	488,522	5,559,187	56.8
25-30	.00543	97,516	530	486,311	5,070,665	52.0
30-35	.00790	96,986	766	483,114	4,584,354	47.3
35-40	.01058	96,220	1,018	478,731	4,101,240	42.6
40-45	.01406	95,202	1,339	472,890	3,622,509	38.1
45-50	.02145	93,863	2,013	464,606	3,149,619	33.6
50-55	.03272	91,850	3,005	452,140	2,685,013	29.2
55-60	.04943	88,845	4,392	433,783	2,232,873	25.1
60-65	.07294	84,453	6,160	407,512	1,799,090	21.3
65-70	.10373	78,293	8,122	371,899	1,391,578	17.8
70-75	.14260	70,171	10,006	326,682	1,019,679	14.5
75-80	.19941	60,165	11,997	271,392	692,997	11.5
80-85	.29457	48,168	14,189	205,612	421,605	8.8
85 and over	1.00000	33,979	33,979	215,993	215,993	6.4

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Table 6-1. Abridged Life Tables by Race and Sex: United States, 1990—Con.

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Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
$x \text{ to } x + n$	nq_x	l_x	n^d_x	n^L_x	T_x	e_x
BLACK						
0-1	0.01801	100,000	1,801	98,457	6,913,337	69.1
1-5	.00295	98,199	289	392,118	6,814,880	69.4
5-10	.00162	97,910	158	489,112	6,422,762	65.6
10-15	.00183	97,752	179	486,380	5,933,650	60.7
15-20	.00637	97,573	621	486,490	5,445,270	55.8
20-25	.00964	96,952	935	482,571	4,958,780	51.1
25-30	.01229	96,017	1,180	477,241	4,476,209	46.6
30-35	.01646	94,837	1,561	470,429	3,998,968	42.2
35-40	.02148	93,276	2,003	461,832	3,528,539	37.8
40-45	.02727	91,273	2,489	450,510	3,068,707	33.6
45-50	.03796	88,784	3,370	435,986	2,616,197	29.5
50-55	.05358	85,414	4,576	416,173	2,180,211	25.5
55-60	.07806	80,838	6,310	389,014	1,764,038	21.8
60-65	.11028	74,528	8,219	352,693	1,375,024	18.4
65-70	.14937	66,309	9,904	307,316	1,022,331	15.4
70-75	.19886	56,405	11,217	254,418	715,015	12.7
75-80	.25945	45,188	11,724	196,659	460,597	10.2
80-85	.35549	33,464	11,896	137,233	263,938	7.9
85 and over	1.00000	21,568	21,568	126,705	126,705	5.9
BLACK, MALE						
0-1	.01968	100,000	1,968	98,306	6,452,420	64.5
1-5	.00329	98,032	323	391,380	6,354,114	64.8
5-10	.00187	97,709	183	488,038	5,962,734	61.0
10-15	.00224	97,526	218	487,185	5,474,696	56.1
15-20	.00997	97,308	970	484,422	4,987,511	51.3
20-25	.01536	96,338	1,480	478,239	4,503,089	46.7
25-30	.01863	94,858	1,767	470,013	4,024,850	42.4
30-35	.02432	93,091	2,264	459,968	3,554,837	38.2
35-40	.03130	90,827	2,842	447,343	3,094,869	34.1
40-45	.03867	87,985	3,403	431,869	2,647,526	30.1
45-50	.05244	84,582	4,435	412,424	2,215,657	26.2
50-55	.07179	80,147	5,753	386,970	1,803,233	22.5
55-60	.10391	74,394	7,730	353,232	1,416,263	19.0
60-65	.14396	66,664	9,597	309,855	1,063,031	15.9
65-70	.19271	57,067	10,997	258,125	753,176	13.2
70-75	.25896	46,070	11,930	200,538	495,051	10.7
75-80	.33249	34,140	11,351	141,874	294,513	8.6
80-85	.43877	22,789	9,999	88,170	152,639	6.7
85 and over	1.00000	12,790	12,790	64,469	64,469	5.0
BLACK, FEMALE						
0-1	.01629	100,000	1,630	98,611	7,360,427	73.6
1-5	.00259	98,370	255	392,868	7,261,816	73.8
5-10	.00136	98,115	134	490,200	6,868,948	70.0
10-15	.00139	97,981	136	489,596	6,378,748	65.1
15-20	.00271	97,845	265	488,621	5,889,152	60.2
20-25	.00415	97,580	405	486,951	5,400,531	55.3
25-30	.00649	97,175	631	484,375	4,913,580	50.6
30-35	.00951	96,544	918	480,548	4,429,205	45.9
35-40	.01292	95,626	1,235	475,250	3,948,657	41.3
40-45	.01737	94,391	1,640	468,133	3,473,407	36.8
45-50	.02566	92,751	2,380	458,181	3,005,274	32.4
50-55	.03841	90,371	3,471	443,628	2,547,093	28.2
55-60	.05704	86,900	4,957	422,686	2,103,465	24.2
60-65	.08401	81,943	6,884	393,162	1,680,779	20.5
65-70	.11666	75,059	8,756	354,144	1,287,617	17.2
70-75	.15695	66,303	10,406	306,299	933,473	14.1
75-80	.21329	55,897	11,922	250,158	627,174	11.2
80-85	.30840	43,975	13,562	186,081	377,016	8.6
85 and over	1.00000	30,413	30,413	190,935	190,935	6.3

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Table 6-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Race and Sex: United States, 1990

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							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	99,073	98,969	99,183	99,240	99,145	99,341	98,442	98,298	98,592	98,199	98,032	98,370
2	99,008	98,894	99,128	99,182	99,079	99,292	98,350	98,190	98,516	98,097	97,914	98,285
3	98,959	98,840	99,085	99,139	99,031	99,254	98,280	98,111	98,454	98,019	97,826	98,216
4	98,921	98,799	99,051	99,106	98,995	99,224	98,225	98,050	98,404	97,959	97,762	98,160
5	98,890	98,765	99,023	99,078	98,965	99,199	98,180	98,001	98,364	97,910	97,709	98,115
6	98,863	98,735	99,000	99,054	98,938	99,178	98,142	97,958	98,331	97,869	97,663	98,079
7	98,839	98,707	98,980	99,032	98,912	99,160	98,109	97,919	98,304	97,833	97,621	98,049
8	98,817	98,680	98,962	99,011	98,888	99,143	98,080	97,884	98,281	97,802	97,583	98,024
9	98,797	98,657	98,946	98,993	98,866	99,128	98,055	97,855	98,261	97,775	97,551	98,005
10	98,780	98,638	98,931	98,977	98,848	99,114	98,034	97,832	98,242	97,752	97,526	97,981
11	98,765	98,623	98,917	98,963	98,833	99,101	98,015	97,814	98,223	97,731	97,506	97,959
12	98,750	98,608	98,902	98,949	98,819	99,087	97,996	97,796	98,202	97,709	97,486	97,936
13	98,730	98,586	98,884	98,930	98,798	99,071	97,970	97,768	98,178	97,680	97,455	97,910
14	98,699	98,547	98,862	98,901	98,762	99,050	97,931	97,718	98,151	97,637	97,399	97,880
15	98,653	98,485	98,833	98,858	98,705	99,022	97,874	97,636	98,119	97,573	97,308	97,845
16	98,590	98,397	98,797	98,799	98,624	98,986	97,796	97,519	98,081	97,486	97,178	97,804
17	98,512	98,285	98,753	98,725	98,521	98,943	97,698	97,369	98,036	97,377	97,010	97,756
18	98,421	98,154	98,704	98,640	98,402	98,895	97,583	97,191	97,986	97,249	96,809	97,702
19	98,323	98,011	98,654	98,550	98,273	98,846	97,455	96,992	97,931	97,106	96,583	97,643
20	98,223	97,863	98,604	98,458	98,140	98,798	97,318	96,779	97,873	96,952	96,338	97,580
21	98,120	97,710	98,555	98,365	98,004	98,752	97,173	96,552	97,812	96,787	96,074	97,512
22	98,015	97,551	98,506	98,271	97,864	98,707	97,019	96,310	97,746	96,609	95,791	97,439
23	97,907	97,388	98,456	98,175	97,720	98,662	96,856	96,055	97,675	96,421	95,491	97,359
24	97,797	97,221	98,405	98,078	97,574	98,616	96,687	95,791	97,599	96,223	95,179	97,271
25	97,684	97,052	98,351	97,979	97,426	98,569	96,511	95,521	97,516	96,017	94,858	97,175
26	97,569	96,881	98,294	97,878	97,276	98,520	96,329	95,245	97,426	95,803	94,530	97,069
27	97,452	96,707	98,235	97,776	97,125	98,469	96,141	94,963	97,329	95,580	94,393	96,954
28	97,332	96,530	98,173	97,672	96,971	98,416	95,946	94,673	97,224	95,346	93,844	96,828
29	97,207	96,348	98,107	97,564	96,813	98,361	95,741	94,370	97,110	95,099	93,478	96,692
30	97,077	96,159	98,038	97,452	96,649	98,303	95,524	94,053	96,986	94,837	93,091	96,544
31	96,941	95,962	97,965	97,336	96,479	98,243	95,294	93,720	96,853	94,558	92,682	96,385
32	96,800	95,758	97,887	97,215	96,302	98,179	95,052	93,372	96,709	94,263	92,252	96,213
33	96,652	95,545	97,804	97,089	96,118	98,112	94,796	93,006	96,555	93,951	91,800	96,029
34	96,497	95,322	97,717	96,956	95,926	98,041	94,527	92,622	96,392	93,622	91,325	95,833
35	96,334	95,089	97,624	96,817	95,725	97,965	94,244	92,218	96,220	93,276	90,827	95,626
36	96,161	94,843	97,525	96,670	95,514	97,884	93,945	91,792	96,037	92,911	90,304	95,406
37	95,978	94,585	97,419	96,515	95,292	97,797	93,630	91,343	95,843	92,527	89,756	95,172
38	95,787	94,316	97,306	96,351	95,060	97,704	93,300	90,875	95,639	92,125	89,184	94,925
39	95,588	94,038	97,187	96,180	94,821	97,604	92,957	90,392	95,425	91,707	88,593	94,665
40	95,382	93,753	97,061	96,002	94,574	97,497	92,603	89,896	95,202	91,273	87,985	94,391
41	95,168	93,460	96,926	95,816	94,319	97,382	92,237	89,387	94,968	90,823	87,359	94,103
42	94,944	93,157	96,782	95,620	94,054	97,258	91,857	88,861	94,721	90,354	86,712	93,799
43	94,707	92,840	96,626	95,412	93,775	97,122	91,457	88,313	94,458	89,861	86,039	93,475
44	94,453	92,505	96,455	95,188	93,479	96,971	91,032	87,736	94,173	89,339	85,331	93,127
45	94,179	92,147	96,266	94,945	93,162	96,804	90,577	87,125	93,863	88,784	84,582	92,751
46	93,862	91,764	96,057	94,681	92,821	96,618	90,089	86,475	93,525	88,191	83,788	92,345
47	93,560	91,352	95,827	94,393	92,454	96,412	89,565	85,785	93,157	87,559	82,947	91,907
48	93,211	90,908	95,573	94,079	92,056	96,184	89,004	85,053	92,756	86,886	82,059	91,434
49	92,832	90,429	95,294	93,737	91,625	95,932	88,405	84,278	92,321	86,172	81,126	90,923
50	92,420	89,912	94,987	93,363	91,156	95,654	87,765	83,459	91,850	85,414	80,147	90,371
51	91,971	89,352	94,650	92,954	90,646	95,348	87,083	82,594	91,340	84,611	79,121	89,776
52	91,483	88,745	94,281	92,506	90,089	95,012	86,354	81,679	90,788	83,758	78,043	89,135
53	90,950	88,084	93,877	92,016	89,480	94,642	85,572	80,703	90,191	82,850	76,903	88,444
54	90,369	87,363	93,436	91,479	88,812	94,237	84,731	79,656	89,544	81,879	75,690	87,700
55	89,735	86,576	92,955	90,891	88,079	93,794	83,824	78,528	88,845	80,838	74,394	86,900
56	89,045	85,719	92,432	90,248	87,277	93,311	82,849	77,316	88,090	79,725	73,013	86,042
57	88,296	84,788	91,864	89,547	86,402	92,784	81,803	76,019	87,277	78,540	71,547	85,124
58	87,482	83,777	91,245	88,781	85,446	92,208	80,685	74,638	86,403	77,280	69,998	84,139
59	86,596	82,678	90,571	87,942	84,400	91,576	79,494	73,173	85,463	75,943	68,369	83,080
60	85,634	81,485	89,835	87,025	83,257	90,884	78,228	71,626	84,453	74,528	66,684	81,943
61	84,590	80,194	89,033	86,024	82,012	90,125	76,886	69,997	83,372	73,035	64,883	80,725
62	83,462	78,803	88,162	84,937	80,662	89,297	75,467	68,285	82,217	71,464	63,028	79,426
63	82,252	77,314	87,223	83,765	79,210	88,401	74,041	66,494	80,987	69,817	61,103	78,047
64	80,961	75,729	86,216	82,511	77,658	87,437	72,396	64,628	79,679	68,098	59,114	76,591
65	79,590	74,051	85,141	81,176	76,009	86,405	70,743	62,689	78,293	66,309	57,067	75,059
66	78,139	72,280	83,995	79,759	74,264	85,302	69,013	60,683	76,626	64,454	54,967	73,452
67	76,603	70,414	82,772	78,255	72,419	84,122	67,207	58,612	75,277	62,534	52,819	71,770
68	74,975	68,445	81,465	76,655	70,465	82,855	65,327	56,474	73,650	60,552	50,621	70,016
69	73,244	66,364	80,064	74,948	68,391	81,492	63,374	54,268	71,947	58,508	48,371	68,193
70	71,404	64,164	78,562	73,125	66,190	80,021	61,349	51,993	70,171	56,405	46,070	66,303
71	69,453	61,647	76,953	71,183	63,863	78,438	59,255	49,653	68,321	54,245	43,720	64,348
72	67,392	59,419	75,234	69,124	61,417	76,739	57,095	47,256	66,397	52,033	41,333	62,328
73	65,221	56,885	73,400	66,948	58,854	74,920	54,875	44,816	64,397	49,779	38,926	60,245
74	62,942	54,249	71,449	64,656	56,179	72,976	52,602	42,352	62,320	47,494	36,522	58,101
75	60,557	51,519	69,376	62,249	53,398	70,904	50,283	39,878	60,165	45,188	34,140	55,897
76	58,069	48,704	67,178	59,731	50,521	68,700	47,922	37,406	57,930	42,868	31,791	53,634
77	55,482	45,816	64,851	57,105	47,560	66,360	45,522	34,941	55,614	40,535	29,480	51,312
78	52,799	42,867	62,391	54,375	44,528	63,881	43,084	32,489	53,216	38,190	27,208	49,829
79	50,026	39,872	59,796	51,547	41,441	61,258	40,611	30,053	50,734	35,833	24,977	46,484
80	47,168	36,848	57,062	48,627	38,317	58,488	38,104	27,640	48,168	33,464	22,789	43,975
81	44,232	33,811	54,186	45,622	35,175	55,588	35,567	25,258	45,515	31,086	20,649	41,400

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Table 6-3. Expectation of Life at Single Years of Age, by Race and Sex: United States, 1990

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
0	75.4	71.8	78.8	76.1	72.7	79.4	71.2	67.0	75.2	69.1	64.5	73.6
1	75.1	71.6	78.4	75.7	72.3	78.9	71.3	67.2	75.3	69.4	64.8	73.8
2	74.1	70.6	77.5	74.7	71.4	78.0	70.4	66.2	74.4	68.5	63.9	72.9
3	73.1	69.7	76.5	73.8	70.4	77.0	69.4	65.3	73.4	67.5	62.9	71.9
4	72.2	68.7	75.5	72.8	69.4	76.0	68.5	64.3	72.5	66.6	62.0	71.0
5	71.2	67.7	74.5	71.8	68.5	75.0	67.5	63.4	71.5	65.6	61.0	70.0
6	70.2	66.8	73.6	70.8	67.5	74.1	66.5	62.4	70.5	64.6	60.1	69.0
7	69.2	65.8	72.6	69.8	66.5	73.1	65.6	61.4	69.5	63.6	59.1	68.1
8	68.2	64.8	71.6	68.9	65.5	72.1	64.6	60.4	68.5	62.7	58.1	67.1
9	67.3	63.8	70.6	67.9	64.5	71.1	63.6	59.4	67.6	61.7	57.1	66.1
10	66.3	62.8	69.6	66.9	63.5	70.1	62.6	58.5	66.6	60.7	56.1	65.1
11	65.3	61.8	68.6	65.9	62.6	69.1	61.6	57.5	65.6	59.7	55.1	64.1
12	64.3	60.8	67.6	64.9	61.6	68.1	60.6	56.5	64.6	58.7	54.2	63.1
13	63.3	59.8	66.6	63.9	60.6	67.1	59.7	55.5	63.6	57.7	53.2	62.1
14	62.3	58.9	65.7	62.9	59.6	66.2	58.7	54.5	62.6	56.8	52.2	61.2
15	61.3	57.9	64.7	62.0	58.6	65.2	57.7	53.6	61.7	55.8	51.3	60.2
16	60.4	57.0	63.7	61.0	57.7	64.2	56.8	52.6	60.7	54.9	50.3	59.2
17	59.4	56.0	62.7	60.0	56.7	63.2	55.8	51.7	59.7	53.9	49.4	58.2
18	58.5	55.1	61.8	59.1	55.8	62.3	54.9	50.8	58.7	53.0	48.5	57.3
19	57.5	54.2	60.8	58.1	54.9	61.3	54.0	49.9	57.8	52.1	47.6	56.3
20	56.6	53.3	59.8	57.2	54.0	60.3	53.0	49.0	56.8	51.1	46.7	55.3
21	55.7	52.3	58.8	56.3	53.0	59.3	52.1	48.1	55.8	50.2	45.9	54.4
22	54.7	51.4	57.9	55.3	52.1	58.4	51.2	47.3	54.9	49.3	45.0	53.4
23	53.8	50.5	56.9	54.4	51.2	57.4	50.3	46.4	53.9	48.4	44.1	52.5
24	52.8	49.6	55.9	53.4	50.3	56.4	49.4	45.5	53.0	47.5	43.3	51.5
25	51.9	48.7	55.0	52.5	49.3	55.4	48.4	44.6	52.0	46.6	42.4	50.6
26	51.0	47.8	54.0	51.5	48.4	54.5	47.5	43.8	51.0	45.7	41.6	49.6
27	50.0	46.9	53.0	50.6	47.5	53.5	46.6	42.9	50.1	44.8	40.7	48.7
28	49.1	45.9	52.1	49.6	46.6	52.5	45.7	42.0	49.2	43.9	39.9	47.7
29	48.1	45.0	51.1	48.7	45.6	51.6	44.8	41.2	48.2	43.0	39.0	46.8
30	47.2	44.1	50.1	47.7	44.7	50.6	43.9	40.3	47.3	42.2	38.2	45.9
31	46.3	43.2	49.2	46.8	43.8	49.6	43.0	39.4	46.3	41.3	37.4	45.0
32	45.3	42.3	48.2	45.9	42.9	48.7	42.1	38.6	45.4	40.4	36.5	44.0
33	44.4	41.4	47.2	44.9	41.9	47.7	41.2	37.7	44.5	39.6	35.7	43.1
34	43.5	40.5	46.3	44.0	41.0	46.7	40.4	36.9	43.5	38.7	34.9	42.2
35	42.6	39.6	45.3	43.0	40.1	45.8	39.5	36.0	42.6	37.8	34.1	41.3
36	41.6	38.7	44.4	42.1	39.2	44.8	38.6	35.2	41.7	37.0	33.3	40.4
37	40.7	37.8	43.4	41.2	38.3	43.8	37.7	34.4	40.8	36.1	32.5	39.5
38	39.8	36.9	42.5	40.2	37.4	42.9	36.9	33.5	39.9	35.3	31.7	38.6
39	38.9	36.0	41.5	39.3	36.5	41.9	36.0	32.7	39.0	34.4	30.9	37.7
40	38.0	35.1	40.6	38.4	35.6	41.0	35.1	31.9	38.1	33.6	30.1	36.8
41	37.0	34.2	39.6	37.5	34.7	40.0	34.3	31.1	37.1	32.8	29.3	35.9
42	36.1	33.3	38.7	36.5	33.8	39.1	33.4	30.3	36.2	31.9	28.5	35.0
43	35.2	32.4	37.8	35.6	32.9	38.1	32.6	29.4	35.3	31.1	27.7	34.1
44	34.3	31.5	36.8	34.7	32.0	37.2	31.7	28.6	34.4	30.3	27.0	33.3
45	33.4	30.7	35.9	33.8	31.1	36.2	30.9	27.8	33.6	29.5	26.2	32.4
46	32.5	29.8	35.0	32.9	30.2	35.3	30.0	27.0	32.7	28.7	25.4	31.5
47	31.6	28.9	34.1	32.0	29.3	34.4	29.2	26.3	31.8	27.9	24.7	30.7
48	30.7	28.1	33.1	31.1	28.4	33.5	28.4	25.5	30.9	27.1	24.0	29.8
49	29.9	27.2	32.2	30.2	27.6	32.5	27.6	24.7	30.1	26.3	23.2	29.0
50	29.0	26.4	31.3	29.3	26.7	31.6	26.8	23.9	29.2	25.5	22.5	28.2
51	28.1	25.5	30.5	28.4	25.8	30.7	26.0	23.2	28.4	24.8	21.8	27.4
52	27.3	24.7	29.6	27.6	25.0	29.8	25.2	22.4	27.6	24.0	21.1	26.6
53	26.4	23.9	28.7	26.7	24.2	29.0	24.4	21.7	26.7	23.3	20.4	25.8
54	25.6	23.1	27.8	25.9	23.3	28.1	23.6	21.0	25.9	22.5	19.7	25.0
55	24.8	22.3	27.0	25.0	22.5	27.2	22.9	20.3	25.1	21.8	19.0	24.2
56	24.0	21.5	26.1	24.2	21.7	26.4	22.2	19.6	24.3	21.1	18.4	23.4
57	23.2	20.7	25.3	23.4	21.0	25.5	21.4	18.9	23.6	20.4	17.8	22.7
58	22.4	20.0	24.4	22.6	20.2	24.7	20.7	18.3	22.8	19.8	17.1	22.0
59	21.6	19.2	23.6	21.8	19.4	23.8	20.0	17.6	22.0	19.1	16.5	21.2
60	20.8	18.5	22.8	21.0	18.7	23.0	19.4	17.0	21.3	18.4	15.9	20.5
61	20.1	17.8	22.0	20.3	18.0	22.2	18.7	16.4	20.6	17.8	15.4	19.8
62	19.4	17.1	21.2	19.5	17.3	21.4	18.0	15.8	19.9	17.2	14.8	19.1
63	18.6	16.4	20.4	18.8	16.6	20.6	17.4	15.2	19.1	16.6	14.3	18.5
64	17.9	15.8	19.7	18.1	15.9	19.8	16.7	14.6	18.5	16.0	13.7	17.8
65	17.2	15.1	18.9	17.3	15.2	19.1	16.1	14.0	17.8	15.4	13.2	17.2
66	16.5	14.5	18.2	16.6	14.6	18.3	15.5	13.5	17.1	14.8	12.7	16.5
67	15.9	13.8	17.4	16.0	13.9	17.5	14.9	12.9	16.4	14.3	12.2	15.9
68	15.2	13.2	16.7	15.3	13.3	16.8	14.3	12.4	15.8	13.7	11.7	15.3
69	14.5	12.6	16.0	14.6	12.7	16.1	13.8	11.9	15.2	13.2	11.2	14.7
70	13.9	12.0	15.3	14.0	12.1	15.4	13.2	11.4	14.5	12.7	10.7	14.1
71	13.3	11.5	14.6	13.3	11.5	14.7	12.7	10.9	13.9	12.2	10.3	13.5
72	12.7	10.9	13.9	12.7	11.0	14.0	12.1	10.5	13.3	11.7	9.9	12.9
73	12.1	10.4	13.3	12.1	10.4	13.3	11.6	10.0	12.7	11.2	9.4	12.3
74	11.5	9.9	12.6	11.5	9.9	12.6	11.1	9.5	12.1	10.7	9.0	11.8
75	10.9	9.4	12.0	11.0	9.4	12.0	10.5	9.1	11.5	10.2	8.6	11.2
76	10.4	8.9	11.3	10.4	8.9	11.4	10.0	8.7	10.9	9.7	8.2	10.7
77	9.8	8.4	10.7	9.9	8.4	10.8	9.5	8.3	10.4	9.2	7.8	10.1
78	9.3	7.9	10.1	9.3	7.9	10.2	9.1	7.8	9.8	8.8	7.4	9.6
79	8.8	7.5	9.5	8.8	7.5	9.6	8.6	7.4	9.3	8.3	7.1	9.1
80	8.3	7.1	9.0	8.3	7.1	9.0	8.1	7.0	8.8	7.9	6.7	8.6
81	7.8	6.7	8.4	7.8	6.7	8.4	7.7	6.7	8.2	7.5	6.3	8.1
82	7.4	6.3	7.9	7.4	6.3	7.9	7.2	6.3	7.7	7.0	6.0	7.6
83	6.9	5.9	7.4	6.9	5.9	7.4	6.8	5.9	7.3	6.6	5.7	7.1
84	6.5	5.6	6.9	6.5	5.5	6.9	6.4	5.6	6.8	6.2	5.3	6.7
85	6.1	5.2	6.4	6.1	5.2	6.4	6.0	5.3	6.4	5.9	5.0	6.3

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1990
(Page 1 of 6)
[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 Appendix]

Age, race, and sex	Number of survivors out of 100,000 born alive (<i>l_x</i>)									
	1990	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	99,073	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5	98,890	98,495	97,668	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10	98,780	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15	98,653	98,196	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20	98,223	97,741	96,716	96,111	95,366	92,435	89,089	85,441	80,074	77,239
25	97,684	97,110	96,000	95,517	94,676	91,335	87,269	83,146	78,046	74,768
30	97,077	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35	96,334	95,808	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40	95,382	94,926	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45	94,179	93,599	91,587	91,378	89,634	84,069	77,343	72,036	66,561	62,436
50	92,420	91,526	88,972	88,756	86,591	80,487	73,321	68,429	62,460	58,514
55	89,735	88,348	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60	85,634	83,726	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65	79,590	77,107	71,933	71,147	67,555	60,366	53,195	50,560	43,194	40,911
70	71,404	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,390
75	60,557	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80	47,168	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85	31,892	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	98,589	98,607	97,755	97,087	96,661	94,762	93,440	91,745	87,505	86,426
5	98,765	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10	98,638	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15	98,485	97,972	96,904	96,107	95,366	92,508	89,551	86,156	80,261	77,681
20	97,863	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25	97,052	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30	96,159	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35	95,089	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,752
40	93,753	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45	92,147	91,649	89,369	89,492	87,819	82,336	75,892	71,244	64,518	60,849
50	89,912	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55	86,576	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60	81,485	79,012	73,958	73,687	71,246	65,142	58,909	55,917	48,343	45,895
65	74,051	70,646	64,318	64,177	61,566	55,776	50,154	49,218	40,264	38,736
70	64,164	59,681	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75	51,519	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	21,076
80	36,848	31,810	24,921	25,300	25,237	18,995	16,172	17,128	11,942	12,084
85	21,962	18,020	13,168	12,645	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	99,183	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5	99,023	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10	98,931	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15	98,833	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20	98,604	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25	98,351	97,883	96,966	96,418	95,583	92,322	88,328	84,135	79,481	76,119
30	98,038	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35	97,624	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40	97,061	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45	96,266	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50	94,987	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415
55	92,955	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60	89,835	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,226	50,155
65	85,141	83,520	79,698	78,462	74,119	65,523	56,924	52,126	46,438	43,246
70	78,562	76,720	71,955	70,100	64,873	55,449	46,774	42,741	36,916	34,721
75	69,376	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80	57,062	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85	41,230	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	99,240	98,898	98,224	97,714	97,278	95,685	---	---	---	---
5	99,078	98,675	97,930	97,353	96,790	94,713	---	---	---	---
10	98,977	98,536	97,733	97,131	96,502	94,228	---	---	---	---
15	98,858	98,391	97,546	96,928	96,228	93,792	---	---	---	---
20	98,458	97,939	97,036	96,508	95,763	93,117	---	---	---	---
25	97,979	97,340	96,406	95,965	95,169	92,213	---	---	---	---
30	97,452	96,774	95,824	95,440	94,536	91,185	---	---	---	---
35	96,817	96,192	95,152	94,798	93,750	89,941	---	---	---	---
40	96,002	95,427	94,190	93,870	92,616	88,318	---	---	---	---
45	94,945	94,257	92,681	92,374	90,847	86,069	---	---	---	---
50	93,363	92,384	90,306	89,958	88,110	82,833	---	---	---	---
55	90,891	89,427	86,688	86,173	84,027	78,218	---	---	---	---
60	87,025	85,031	81,323	80,811	78,066	71,785	---	---	---	---
65	81,176	78,585	73,889	73,102	69,850	63,201	---	---	---	---
70	73,125	69,801	63,991	62,834	59,189	52,165	---	---	---	---
75	62,249	58,299	51,586	49,895	45,688	38,610	---	---	---	---
80	48,627	44,409	36,659	34,697	30,438	23,976	---	---	---	---
85	32,947	28,768	21,578	19,017	16,239	11,483	---	---	---	---

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1990—Con.

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[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 Appendix]

Age, race, and sex	Average number of years of life remaining (e _x)									
	1990	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL RACES										
0	75.4	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	75.1	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	71.2	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	66.3	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	61.3	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	56.6	55.46	53.00	52.58	51.20	48.54	45.94	45.30	43.53	42.79
25	51.9	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	47.2	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	42.6	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	38.0	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	33.4	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	29.0	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	24.8	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	20.8	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	17.2	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	13.9	13.32	12.00	11.38	10.92	10.00	9.58	9.74	9.11	9.30
75	10.9	10.48	9.32	8.71	8.40	7.62	7.32	7.49	6.99	7.08
80	8.3	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	71.8	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	71.6	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	67.7	66.29	63.82	64.10	63.12	60.76	58.14	57.60	55.11	54.22
10	62.8	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	57.9	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	53.3	51.86	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	48.7	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	44.1	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	39.6	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	35.1	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	30.7	29.22	27.18	27.09	26.55	25.52	24.87	25.84	23.77	24.14
50	26.4	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	22.3	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.99	17.38
60	18.5	17.46	15.99	15.94	15.68	14.99	14.62	15.22	13.95	14.33
65	15.1	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.60
70	12.0	11.35	10.39	10.33	10.11	9.46	9.16	9.52	8.83	9.02
75	9.4	8.90	8.13	7.99	7.83	7.22	7.02	7.31	6.75	6.84
80	7.1	6.80	6.27	5.95	5.94	5.44	5.27	5.49	5.10	5.11
85	5.2	5.13	4.73	4.39	4.41	4.11	4.02	4.10	3.90	3.82
FEMALE										
0	78.8	77.62	74.64	73.24	70.96	65.89	60.90	57.40	53.24	50.70
1	78.4	77.50	74.97	73.93	71.84	67.73	63.37	60.45	58.37	56.10
5	74.5	73.67	71.19	70.21	68.21	64.43	60.66	58.41	57.39	55.80
10	69.6	68.75	66.31	65.35	63.38	59.73	56.16	54.16	53.31	51.94
15	64.7	63.83	61.41	60.45	58.52	54.97	51.54	49.71	48.87	47.60
20	59.8	58.98	56.59	55.60	53.73	50.37	47.21	45.63	44.66	43.60
25	55.0	54.16	51.80	50.79	48.99	45.87	43.11	41.86	40.69	39.92
30	50.1	49.33	47.01	46.00	44.28	41.41	39.02	38.15	36.79	36.30
35	45.3	44.53	42.28	41.27	39.63	37.01	34.92	34.40	32.95	32.71
40	40.6	39.80	37.64	36.61	35.06	32.68	30.86	30.58	29.15	29.08
45	35.9	35.17	33.13	32.09	30.64	28.46	26.89	26.71	25.36	25.44
50	31.3	30.69	28.77	27.71	26.40	24.40	22.95	22.92	21.67	21.84
55	27.0	26.39	24.59	23.53	22.33	20.54	19.38	19.28	18.13	18.39
60	22.8	22.29	20.60	19.52	18.50	16.92	15.94	15.87	14.90	15.21
65	18.9	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	9.0	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	76.1	74.53	71.62	70.73	69.02	64.92	60.90	57.40	53.24	50.70
1	75.7	74.35	71.91	71.38	69.95	66.84	62.82	59.32	55.16	52.62
5	71.8	70.52	68.12	67.64	66.29	63.52	59.50	56.00	51.84	49.30
10	66.9	65.62	63.26	62.79	61.48	58.83	54.81	51.31	47.15	44.61
15	62.0	60.71	58.37	57.92	56.65	54.09	50.07	46.57	42.41	39.87
20	57.2	55.98	53.66	53.16	51.91	49.47	45.45	41.95	37.79	35.25
25	52.5	51.30	49.00	48.44	47.22	44.92	40.90	37.40	33.24	30.70
30	47.7	46.59	44.28	43.69	42.52	40.40	36.38	32.88	28.72	26.18
35	43.0	41.86	39.58	38.97	37.86	35.93	31.91	28.41	24.25	21.71
40	38.4	37.17	34.95	34.33	33.29	31.54	27.52	24.02	19.86	17.32
45	33.8	32.60	30.48	29.84	28.88	27.29	23.27	19.77	15.61	13.07
50	29.3	28.21	26.21	25.57	24.70	23.26	19.24	15.74	11.58	9.04
55	25.0	24.05	22.19	21.58	20.77	19.47	15.45	11.95	7.79	5.25
60	21.0	20.16	18.48	17.84	17.15	15.98	11.96	8.46	4.30	1.76
65	17.3	16.59	15.08	14.44	13.86	12.80	8.78	5.28	1.12	-0.32
70	14.0	13.35	12.01	11.37	10.89	9.96	5.94	2.44	-0.02	-1.48
75	11.0	10.47	9.27	8.65	8.34	7.55	3.53	0.03	-1.53	-3.00
80	8.3	7.95	7.01	6.33	6.27	5.64	1.62	-0.88	-2.58	-4.05
85	6.1	5.90	5.19	4.53	4.62	4.20	-0.82	-2.32	-3.82	-5.29

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1990—Con.

(Page 3 of 6)

[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 Appendix]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)									
	1990	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	99,145	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	98,965	98,519	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	98,848	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	98,705	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	98,140	97,525	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	97,426	96,616	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	96,649	95,783	94,716	94,401	93,489	90,092	85,707	80,888	74,810	71,219
35	95,725	94,980	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	94,574	93,984	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	93,162	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	91,156	90,105	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	88,079	86,303	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	83,257	80,625	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	76,009	72,393	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70	66,190	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	53,398	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	38,317	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	22,862	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	99,341	99,035	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	99,199	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	99,114	98,725	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	99,022	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,798	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	98,569	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	98,303	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	97,965	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	97,497	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	96,804	96,065	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	95,654	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	93,794	92,594	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	90,884	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	86,405	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	80,021	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	70,904	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	58,488	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	42,357	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	98,442	98,097	96,909	95,732	95,407	---	---	---	---	---
5	98,180	97,756	96,400	95,051	94,482	---	---	---	---	---
10	98,034	97,568	96,126	94,745	94,060	---	---	---	---	---
15	97,874	97,387	95,864	94,460	93,646	---	---	---	---	---
20	97,318	96,913	95,101	93,880	92,738	---	---	---	---	---
25	96,511	96,107	93,792	92,925	91,321	---	---	---	---	---
30	95,524	95,088	92,309	91,699	89,584	---	---	---	---	---
35	94,244	93,870	90,470	90,046	87,402	---	---	---	---	---
40	92,603	92,245	87,964	87,766	84,478	---	---	---	---	---
45	90,577	89,928	84,575	84,501	80,507	---	---	---	---	---
50	87,765	86,525	80,046	80,172	74,976	---	---	---	---	---
55	83,824	81,732	74,150	73,893	67,660	---	---	---	---	---
60	78,228	75,300	66,775	65,795	58,593	---	---	---	---	---
65	70,743	67,179	57,797	56,038	48,649	---	---	---	---	---
70	61,349	57,635	47,542	45,434	38,616	---	---	---	---	---
75	50,283	46,362	35,987	34,531	28,968	---	---	---	---	---
80	38,104	34,558	25,215	24,815	20,003	---	---	---	---	---
85	25,211	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	98,298	97,939	96,592	95,301	94,911	91,696	---	---	---	---
5	98,001	97,559	96,038	94,570	93,921	89,920	---	---	---	---
10	97,832	97,337	95,716	94,234	93,453	89,211	---	---	---	---
15	97,636	97,113	95,385	93,874	92,965	88,417	---	---	---	---
20	96,779	96,431	94,293	93,108	91,941	86,770	---	---	---	---
25	95,521	95,200	92,267	91,825	90,285	84,055	---	---	---	---
30	94,053	93,666	90,106	90,270	88,327	80,865	---	---	---	---
35	92,218	91,891	87,597	88,331	85,940	77,185	---	---	---	---
40	89,896	89,645	84,378	85,744	82,832	72,830	---	---	---	---
45	87,125	86,578	80,163	82,075	78,686	67,514	---	---	---	---
50	83,459	82,153	74,748	77,239	72,891	60,766	---	---	---	---
55	78,528	76,019	67,808	70,351	65,122	52,867	---	---	---	---
60	71,626	68,093	59,396	61,669	55,535	44,370	---	---	---	---
65	62,689	58,517	49,607	51,392	45,198	35,912	---	---	---	---
70	51,993	47,796	39,025	39,914	35,018	27,688	---	---	---	---
75	39,878	36,191	27,789	29,064	25,472	19,765	---	---	---	---
80	27,640	24,969	17,999	19,994	16,904	12,352	---	---	---	---
85	16,298	14,454	10,811	11,620	9,898	6,492	---	---	---	---

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1990—Con.

(Page 4 of 6)

[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 Appendix]

Age, race, and sex	Average number of years of life remaining (e_x)									
	1990	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE										
0	72.7	70.82	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	72.3	70.70	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	68.5	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	63.5	61.89	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	58.6	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	54.0	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	49.3	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	44.7	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	40.1	38.65	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	35.6	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	31.1	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	26.7	25.25	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	22.5	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	18.7	17.59	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	15.2	14.25	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	12.1	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.4	8.87	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	7.1	6.75	6.18	5.89	5.88	5.38	5.26	5.47	5.09	5.10
85	5.2	5.09	4.63	4.34	4.35	4.02	3.99	4.06	3.88	3.81
WHITE, FEMALE										
0	79.4	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	78.9	77.95	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	75.0	74.13	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	70.1	69.21	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	65.2	64.29	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	60.3	59.44	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	55.4	54.60	52.42	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30	50.6	49.76	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	45.8	44.93	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	41.0	40.16	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	36.2	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	31.6	30.96	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	27.2	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	9.0	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.4	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
ALL OTHER										
0	71.2	69.64	64.95	63.91	60.73	---	---	---	---	---
1	71.3	70.19	66.02	65.75	62.65	---	---	---	---	---
5	67.5	66.43	62.36	62.21	59.25	---	---	---	---	---
10	62.6	61.56	57.53	57.41	54.50	---	---	---	---	---
15	57.7	56.67	52.68	52.57	49.73	---	---	---	---	---
20	53.0	51.93	48.08	47.88	45.19	---	---	---	---	---
25	48.4	47.34	43.71	43.35	40.85	---	---	---	---	---
30	43.9	42.82	39.37	38.89	36.59	---	---	---	---	---
35	39.5	38.34	35.12	34.56	32.44	---	---	---	---	---
40	35.1	33.97	31.05	30.39	28.48	---	---	---	---	---
45	30.9	29.78	27.19	26.46	24.75	---	---	---	---	---
50	26.8	25.85	23.58	22.74	21.38	---	---	---	---	---
55	22.9	22.21	20.24	19.45	18.41	---	---	---	---	---
60	19.4	18.88	17.19	16.53	15.87	---	---	---	---	---
65	16.1	15.86	14.47	13.96	13.59	---	---	---	---	---
70	13.2	13.06	12.04	11.63	11.48	---	---	---	---	---
75	10.5	10.61	10.09	9.52	9.48	---	---	---	---	---
80	8.1	8.38	8.36	7.28	7.62	---	---	---	---	---
85	6.0	6.63	6.62	5.27	5.79	---	---	---	---	---
ALL OTHER, MALE										
0	67.0	65.63	60.98	61.48	58.91	52.33	---	---	---	---
1	67.2	66.31	62.13	63.50	61.06	56.05	---	---	---	---
5	63.4	62.26	58.48	59.98	57.69	53.13	---	---	---	---
10	58.5	57.40	53.67	55.19	52.96	48.54	---	---	---	---
15	53.6	52.52	48.84	50.39	48.23	43.95	---	---	---	---
20	49.0	47.87	44.37	45.78	43.73	39.74	---	---	---	---
25	44.6	43.46	40.29	41.38	39.49	35.94	---	---	---	---
30	40.3	39.13	36.20	37.05	35.31	32.25	---	---	---	---
35	36.0	34.83	32.16	32.81	31.21	28.67	---	---	---	---
40	31.9	30.64	28.29	28.72	27.29	25.23	---	---	---	---
45	27.8	26.63	24.64	24.89	23.59	22.02	---	---	---	---
50	23.9	22.92	21.24	21.28	20.25	19.18	---	---	---	---
55	20.3	19.56	18.14	18.11	17.36	16.67	---	---	---	---
60	17.0	16.54	15.35	15.29	14.91	14.38	---	---	---	---
65	14.0	13.83	12.87	12.84	12.75	12.18	---	---	---	---
70	11.4	11.36	10.68	10.81	10.74	10.06	---	---	---	---
75	9.1	9.20	8.99	8.93	8.83	8.09	---	---	---	---
80	7.0	7.22	7.57	6.87	7.07	6.46	---	---	---	---
85	5.3	5.69	6.04	5.08	5.38	5.08	---	---	---	---

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1990—Con.

(Page 5 of 6)

[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 Appendix.]

Age, race, and sex	Number of survivors out of 100,000 born alive (l_x)									
	1990	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	98,592	98,261	97,235	96,172	95,913	93,318	---	---	---	---
5	93,364	97,958	96,772	95,543	95,055	91,710	---	---	---	---
10	88,242	97,806	96,546	95,265	94,679	91,092	---	---	---	---
15	83,119	97,669	96,353	95,057	94,343	90,363	---	---	---	---
20	77,873	97,404	95,917	94,660	93,544	88,505	---	---	---	---
25	72,516	96,996	95,247	94,005	92,336	85,961	---	---	---	---
30	66,986	96,441	94,370	93,070	90,799	83,147	---	---	---	---
35	61,220	95,719	93,123	91,670	88,805	79,879	---	---	---	---
40	55,202	94,646	91,247	89,676	86,052	75,908	---	---	---	---
45	49,863	93,009	88,608	86,793	82,257	71,061	---	---	---	---
50	44,850	90,523	84,964	82,979	77,007	64,886	---	---	---	---
55	39,845	88,951	80,162	77,362	70,196	57,419	---	---	---	---
60	34,853	82,000	73,984	69,941	61,758	49,102	---	---	---	---
65	29,893	75,382	66,064	60,825	52,358	40,718	---	---	---	---
70	24,917	67,147	56,375	51,274	42,612	32,579	---	---	---	---
75	19,956	56,499	44,841	40,540	32,981	24,668	---	---	---	---
80	14,988	44,378	33,373	30,315	23,712	17,157	---	---	---	---
85	9,979	30,543	22,763	19,744	15,550	10,658	---	---	---	---
BLACK										
0	100,000	100,000	100,000	---	---	100,000	---	---	---	---
1	98,199	97,885	96,731	---	---	92,584	---	---	---	---
5	97,910	97,522	96,207	---	---	90,983	---	---	---	---
10	97,752	97,322	95,928	---	---	90,339	---	---	---	---
15	97,573	97,134	95,661	---	---	89,591	---	---	---	---
20	96,952	96,652	94,887	---	---	87,839	---	---	---	---
25	96,017	95,804	93,513	---	---	85,210	---	---	---	---
30	94,837	94,680	91,934	---	---	82,194	---	---	---	---
35	93,276	93,288	89,977	---	---	78,683	---	---	---	---
40	91,273	91,439	87,304	---	---	74,466	---	---	---	---
45	88,784	88,834	83,700	---	---	69,284	---	---	---	---
50	85,414	85,044	78,938	---	---	62,702	---	---	---	---
55	80,838	79,816	72,826	---	---	54,846	---	---	---	---
60	74,528	72,913	65,250	---	---	46,318	---	---	---	---
65	66,309	64,391	56,102	---	---	37,838	---	---	---	---
70	56,405	54,617	45,785	---	---	29,654	---	---	---	---
75	45,188	43,274	34,262	---	---	21,798	---	---	---	---
80	33,464	31,711	23,710	---	---	14,408	---	---	---	---
85	21,568	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	98,032	97,703	96,394	---	---	91,772	91,268	89,499	78,065	74,674
5	97,709	97,300	95,826	---	---	90,082	88,412	85,195	68,589	64,385
10	97,526	97,061	95,497	---	---	89,393	87,311	83,768	66,377	61,730
15	97,308	96,826	95,161	---	---	88,610	86,152	82,332	64,478	59,667
20	96,338	96,132	94,053	---	---	86,968	83,621	79,057	61,426	56,733
25	94,858	94,827	91,904	---	---	84,227	79,516	74,540	57,736	53,285
30	93,091	93,125	89,584	---	---	80,979	75,083	70,344	54,073	49,867
35	90,827	91,080	86,885	---	---	77,221	70,049	65,873	49,865	46,541
40	87,985	88,490	83,441	---	---	72,780	64,710	61,353	45,414	42,989
45	84,582	84,997	78,976	---	---	67,346	58,432	56,589	40,563	39,230
50	80,147	80,065	73,282	---	---	60,495	51,748	51,880	35,427	34,766
55	74,394	73,413	66,101	---	---	52,426	44,436	46,581	29,754	29,987
60	66,664	64,980	57,457	---	---	43,833	36,790	40,506	23,750	24,194
65	57,067	55,061	47,485	---	---	35,371	29,314	34,042	17,806	19,015
70	46,070	44,213	36,925	---	---	27,236	21,741	26,923	12,295	13,829
75	34,140	32,717	25,921	---	---	19,456	14,419	18,854	7,494	8,892
80	22,789	22,017	16,560	---	---	12,186	8,239	11,615	3,894	4,831
85	12,790	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	98,370	98,073	97,076	---	---	93,416	92,796	91,251	81,493	78,525
5	98,115	97,751	96,598	---	---	91,906	90,185	87,149	72,768	68,056
10	97,981	97,590	96,369	---	---	91,308	89,201	85,607	70,508	65,111
15	97,845	97,450	96,172	---	---	90,594	88,088	83,954	69,218	62,384
20	97,580	97,180	95,729	---	---	88,736	85,078	80,154	64,764	59,053
25	97,175	96,754	95,035	---	---	86,198	81,067	75,359	61,430	55,795
30	96,544	96,150	94,114	---	---	83,384	76,816	70,633	58,281	52,773
35	95,626	95,338	92,807	---	---	80,092	72,192	65,857	54,595	49,567
40	94,391	94,137	90,817	---	---	76,084	67,271	61,130	50,568	46,146
45	92,751	92,322	88,001	---	---	71,157	61,365	56,230	45,947	42,279
50	90,371	89,563	84,168	---	---	64,885	54,920	50,780	40,886	37,681
55	86,900	85,653	79,177	---	---	57,314	47,074	44,742	35,415	33,124
60	81,943	80,293	72,820	---	---	48,923	38,761	37,954	28,908	27,524
65	75,059	73,266	64,716	---	---	40,504	30,852	31,044	22,302	21,395
70	66,303	64,729	54,873	---	---	32,354	23,341	24,107	15,871	16,140
75	55,897	53,831	43,193	---	---	24,502	16,576	17,216	10,657	11,066
80	43,975	41,686	31,756	---	---	17,039	10,822	11,151	6,324	6,708
85	30,413	28,004	21,358	---	---	10,622	6,033	5,972	3,029	3,567

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Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1990—Con.

(Page 6 of 6)
[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 Appendix]

Age, race, and sex	Average number of years of life remaining (e _x)									
	1990	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE										
0	75.2	74.00	69.05	66.47	62.70	55.51	---	---	---	---
1	75.3	74.31	70.01	68.10	64.37	58.47	---	---	---	---
5	71.5	70.53	66.34	64.54	60.93	55.47	---	---	---	---
10	66.6	65.64	61.49	59.72	56.17	50.83	---	---	---	---
15	61.7	60.73	56.60	54.85	51.36	46.22	---	---	---	---
20	56.8	55.88	51.85	50.07	46.77	42.14	---	---	---	---
25	52.0	51.11	47.19	45.40	42.35	38.31	---	---	---	---
30	47.3	46.39	42.61	40.83	38.02	34.52	---	---	---	---
35	42.6	41.72	38.14	36.41	33.82	30.83	---	---	---	---
40	38.1	37.16	33.87	32.16	29.82	27.31	---	---	---	---
45	33.6	32.77	29.80	28.14	26.07	24.00	---	---	---	---
50	29.2	28.59	25.97	24.31	22.67	21.04	---	---	---	---
55	25.1	24.66	22.37	20.89	19.62	18.44	---	---	---	---
60	21.3	20.99	19.02	17.83	16.95	16.14	---	---	---	---
65	17.8	17.60	15.99	15.12	14.54	13.95	---	---	---	---
70	14.5	14.44	13.30	12.46	12.29	11.81	---	---	---	---
75	11.5	11.68	11.06	10.10	10.15	9.80	---	---	---	---
80	8.8	9.17	9.01	7.66	8.15	8.00	---	---	---	---
85	6.4	7.19	7.07	5.44	6.15	6.38	---	---	---	---
BLACK										
0	69.1	68.52	64.11	---	---	53.85	---	---	---	---
1	69.4	68.99	65.27	---	---	57.15	---	---	---	---
5	65.6	65.25	61.62	---	---	54.13	---	---	---	---
10	60.7	60.38	56.79	---	---	49.50	---	---	---	---
15	55.8	55.49	51.94	---	---	44.89	---	---	---	---
20	51.1	50.75	47.34	---	---	40.73	---	---	---	---
25	46.6	46.18	43.00	---	---	36.91	---	---	---	---
30	42.2	41.69	38.70	---	---	33.17	---	---	---	---
35	37.8	37.28	34.48	---	---	29.53	---	---	---	---
40	33.6	32.98	30.46	---	---	26.06	---	---	---	---
45	29.5	28.87	26.65	---	---	22.82	---	---	---	---
50	25.5	25.03	23.11	---	---	19.94	---	---	---	---
55	21.8	21.50	19.83	---	---	17.43	---	---	---	---
60	18.4	18.29	16.83	---	---	15.18	---	---	---	---
65	15.4	15.37	14.16	---	---	13.02	---	---	---	---
70	12.7	12.67	11.77	---	---	10.93	---	---	---	---
75	10.2	10.32	9.89	---	---	8.97	---	---	---	---
80	7.9	8.17	8.20	---	---	7.31	---	---	---	---
85	5.9	6.54	6.54	---	---	5.91	---	---	---	---
BLACK, MALE										
0	64.5	64.10	60.00	---	---	52.26	47.55	47.14	34.05	32.54
1	64.8	64.60	61.24	---	---	55.93	51.08	51.63	42.53	42.46
5	61.0	60.86	57.60	---	---	52.95	48.69	50.18	44.25	45.06
10	56.1	56.01	52.79	---	---	48.34	44.27	45.99	40.65	41.90
15	51.3	51.14	47.96	---	---	43.74	39.83	41.75	36.77	38.26
20	46.7	46.48	43.49	---	---	39.52	35.95	38.36	33.46	35.11
25	42.4	42.09	39.45	---	---	35.72	32.67	35.54	30.44	32.21
30	38.2	37.81	35.40	---	---	32.05	29.45	32.51	27.33	29.25
35	34.1	33.60	31.42	---	---	28.48	26.39	29.54	24.42	26.16
40	30.1	29.51	27.61	---	---	25.06	23.36	26.53	21.57	23.12
45	26.2	25.61	24.03	---	---	21.88	20.59	23.55	18.85	20.09
50	22.5	22.03	20.69	---	---	19.06	17.92	20.47	16.21	17.34
55	19.0	18.79	17.66	---	---	16.60	15.46	17.50	13.82	14.69
60	15.9	15.89	14.93	---	---	14.37	13.15	14.74	11.67	12.62
65	13.2	13.29	12.53	---	---	12.21	10.87	12.07	9.74	10.38
70	10.7	10.94	10.40	---	---	10.11	8.78	9.58	8.00	8.33
75	8.6	8.90	8.76	---	---	8.17	6.99	7.61	6.58	6.60
80	6.7	7.03	7.35	---	---	6.58	5.42	5.83	5.53	5.12
85	5.0	5.61	5.92	---	---	5.34	4.30	4.53	4.48	4.04
BLACK, FEMALE										
0	73.6	72.88	68.32	---	---	55.56	49.51	46.92	37.67	35.04
1	73.8	73.31	69.37	---	---	58.46	52.33	50.39	45.15	43.54
5	70.0	69.54	65.70	---	---	55.40	49.81	48.70	46.42	46.04
10	65.1	64.65	60.85	---	---	50.75	45.33	44.54	42.84	43.02
15	60.2	59.74	55.97	---	---	46.13	40.87	40.36	39.18	39.79
20	55.3	54.90	51.22	---	---	42.04	37.22	37.15	36.14	36.89
25	50.6	50.13	46.57	---	---	38.20	33.93	34.35	32.97	33.90
30	45.9	45.43	42.00	---	---	34.40	30.67	31.48	29.61	30.70
35	41.3	40.79	37.56	---	---	30.83	27.47	28.58	26.44	27.52
40	36.8	36.28	33.32	---	---	27.19	24.30	25.60	23.34	24.37
45	32.4	31.94	29.31	---	---	23.89	21.39	22.61	20.43	21.36
50	28.2	27.84	25.52	---	---	20.95	18.60	19.76	17.65	18.67
55	24.2	24.00	21.97	---	---	18.38	16.27	17.09	14.98	15.88
60	20.5	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	14.1	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	8.6	8.95	8.87	---	---	8.02	6.90	6.58	6.05	6.48
85	6.3	7.09	7.00	---	---	6.41	5.48	5.22	5.09	5.10

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Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-90

(Page 1 of 2)

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

Area and year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
UNITED STATES ¹												
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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ³	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 ⁴	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6	---	---	---
1962 ⁴	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	---	---	---

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Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-90—Con.

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

Area and year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							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	---	---	--

¹ Alaska included in 1959 and Hawaii in 1960.

² Life table values are revised and, therefore, may differ from those published in "Vital Statistics of the United States", Vol. II, Mortality, Part A for 1989 and earlier years; see Technical Appendix.

³ Deaths based on a 50-percent sample.

⁴ Figures by race exclude data for residents of New Jersey; see Technical Appendix.

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