



Vital Statistics of the United States, 1993

Preprint of Volume II, Mortality, Part A, Section 6

From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics

LIFE • TABLES

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



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

Hyattsville, Maryland
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Section 6. Life Tables

Guide to tables in section 6	iv
The life table program	1
Life table values	1
Trends and comparisons	2
Technical appendix	4
Population bases for computing life tables	5
Explanation of the columns of the life tables	5
References	6

Text tables

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, 1992, and 1993	2
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, 1992, and 1993	3
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, 1989 to 1990, 1990 to 1991, 1991 to 1992, and 1992 to 1993	4
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, 1990, 1991, 1992, and 1993	4

Tables

6–1. Abridged life tables by race and sex: United States, 1993	7
6–2. Number of survivors at single years of age, out of 100,000 born alive, by race and sex: United States, 1993	11
6–3. Expectation of life at single years of age, by race and sex: United States, 1993	12
6–4. Life table values by race and sex: Death-registration States, 1900–1902 to 1919–21, and United States, 1929–31 to 1993	13
6–5. Estimated average length of life in years, by race and sex: Death-registration States, 1900–28, and United States, 1929–93	19

Guide to tables in section 6

	TABLE: 6	-1	-2	-3	-4	-5
	PAGE:	7	11	12	13	19
Years:						
1900–1993 -----						15
1993 only-----	1	2	3			
Specified years and 1993-----			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 1929–93; death-registration States for 1900–28.

²Entire United States for specified years from 1929 to 1993; death-registration States for specified years from 1900 to 1921.

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 1993 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1993. 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.

The 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 1993 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.

Tables that show l_x and ${}^o e_x$ values by single years of age interpolated from the abridged life tables have been published since 1960.

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 2 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 1993 are the final mortality statistics and the July 1, 1993, population estimates by age, race, and sex prepared by the U.S. Bureau of the Census. Selected life table values for 1900–1902,

NOTE: This report was prepared in the Division of Vital Statistics. Jeffrey D. Maurer and Robert N. Anderson, Mortality Statistics Branch, wrote this report. Thomas D. Dunn provided content review. Charles E. Royer provided computer programming support. Registration Methods staff and the Data Acquisition and Evaluation Branch provided consultation to State vital statistics offices regarding collection of the death certificate data on which this report is based. This report was edited by Demarius V. Miller and typeset by Zung T. N. Le of the Publications Branch, Division of Data Services.

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, 1992, and 1993

Life table value, period, and age	Total	White		All other			
		Male	Female	Total		Black	
				Male	Female	Male	Female
Expectation of life							
At birth:							
1993	75.5	73.1	79.5	67.3	75.5	64.6	73.7
1992	75.8	73.2	79.8	67.7	75.7	65.0	73.9
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:							
1993	75.2	72.6	79.0	67.3	75.4	64.8	73.8
1992	75.4	72.8	79.3	67.7	75.7	65.2	74.1
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:							
1993	56.7	54.2	60.3	49.2	56.9	46.8	55.3
1992	56.9	54.3	60.6	49.6	57.2	47.2	55.6
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:							
1993	17.3	15.4	19.0	14.3	17.8	13.4	17.1
1992	17.5	15.5	19.3	14.4	18.1	13.5	17.4
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

1959–61, 1969–71, 1979–81, 1992, and 1993 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 1993 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 1993 for the total population was 75.5 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 79,945 out of the original 1993 life table cohort of 100,000 (or 79.9 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 1993 the median age at death for the total population was 79.3 years ([table B](#)).

Trends and comparisons

In 1993 the average expectation of life at birth was 75.5 years, a decline of 0.3 years from the record high of 75.8 years in 1992. This was the first decrease in life expectancy at birth in the United States since 1980.

The expectation of life at birth for 1993 represents the average number of years that a group of infants born in 1993 would expect to live if the infants were to experience throughout their life the age-specific death rates prevailing in 1993. In 1993 life expectancy at birth for females was 78.8 years compared with 72.2 years for males; both figures represent decreases over 1992. The difference in life expectancy between the sexes was 6.6 years in 1993, smaller than the difference of 6.8 years in 1992. Historically, the difference in life expectancy between the sexes widened from 1900 to 1979 (2.0 years in 1900 and 7.8 years in 1975 and 1979), narrowed between 1979 and 1986 (7.8 years in 1979 to 7.0 years in 1986), and has subsequently fluctuated between 6.8 and 7.0 years. The difference of 6.6 years for 1993 is the narrowest the difference between the sexes has been since 1962.

Between 1992 and 1993, life expectancy for the white population decreased from the record high of 76.5 years to 76.3 years, and for the black population, from the record high of 69.6 years to 69.2 years. Although the difference in life expectancy between the black and white population narrowed from 7.6

SECTION 6 – LIFE TABLES – PAGE 3

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, 1992, and 1993

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:							
1993	99.2	99.2	99.4	98.4	98.8	98.2	98.5
1992	99.1	99.2	99.4	98.4	98.7	98.2	98.5
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:							
1993	98.3	98.3	98.9	96.8	98.0	96.3	97.7
1992	98.3	98.3	98.9	96.9	98.0	96.4	97.7
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:							
1993	79.9	76.6	86.6	63.4	79.0	57.3	75.7
1992	80.1	76.7	86.8	64.0	78.9	58.2	75.5
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:							
1993	79.3	76.6	82.8	71.4	79.6	68.5	77.7
1992	79.4	76.7	83.1	71.6	79.9	68.9	78.0
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

years in 1970 to 5.7 years in 1982, it increased to 7.1 years in 1989 and has fluctuated between 6.9 years and 7.1 years during 1989–93.

Among the four race-sex groups for 1993, white females continued to have the highest life expectancy at birth (79.5 years), followed by black females (73.7 years), white males (73.1 years), and black males (64.6 years) (table A). Life expectancy for black males declined every year during 1984–89, increased during 1989–92, and declined between 1992 and 1993. As a result, the life expectancy for black males is still 0.7 years below the peak life expectancy of 65.3 years attained in 1984. For black females, the life expectancy fluctuated during 1984–88, increased during 1988–92, and declined between 1992 and 1993. The life expectancy for black females is 0.2 years below the peak life expectancy of 73.9 years attained in 1992. Between 1985 and 1993, life expectancy at birth increased for 7 of the 8 years for white males; for white females, it increased for 6 of the 8 years; for black females, for 4 of the 8 years; and for black males, for only 3 of the 8 years (table C). Overall, the largest gain in life expectancy between 1980 and 1993 was for white males (2.4 years), followed by white females (1.4 years), black females (1.2 years), and black males (0.8 years).

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 increased from 2.9 years in 1900–1902 to 7.6 years by 1969–71; the difference has narrowed to 6.4 years for 1993, the lowest difference since 1956. For the black population, the difference in life expectancy between males and females increased from 2.5 years in 1900–1902 to 8.8 years by 1979–81; it narrowed to 8.3 years by 1984; increased to 9.2 years by 1991, and was 9.1 years for 1993.

Life expectancy differences between the white and black populations have widened for males from a low of 6.4 years for 1982 and 1983 to 8.5 for 1993, the greatest difference during the period 1970–93. For females, the life expectancy differences between the white and black populations have widened from a low of 5.1 years for 1982 and 1984 to 5.8 years for 1993.

The 1993 life table may 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 50 years. On the basis of mortality experienced in 1993, a person aged 50 years could expect to live an average of 29.2 more years for a total of 79.2 years, and a person aged 65 years could expect to live an average of 17.3 more years for a total of 82.3 years (tables 6-1 and A).

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, 1989 to 1990, 1990 to 1991, 1991 to 1992, and 1992 to 1993

Period	White		Black	
	Male	Female	Male	Female
1992 to 1993.....	-0.1	-0.3	-0.4	-0.2
1991 to 1992.....	+0.3	+0.2	+0.4	+0.1
1990 to 1991.....	+0.2	+0.2	+0.1	+0.2
1989 to 1990.....	+0.2	+0.2	+0.2	+0.3
1988 to 1989.....	+0.3	+0.3	-0.1	+0.1
1987 to 1988.....	+0.1	-	-0.3	-0.2
1986 to 1987.....	+0.2	+0.1	-0.1	-
1985 to 1986.....	+0.1	+0.1	-0.2	-
1984 to 1985.....	-	-	-0.3	-0.2
1979–81 to 1984.....	+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

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, 1990, 1991, 1992, and 1993

Period	Female-Male		White-Black	
	White	Black	Male	Female
1993.....	6.4	9.1	8.5	5.8
1992.....	6.6	8.9	8.2	5.9
1991.....	6.7	9.2	8.3	5.8
1990.....	6.7	9.1	8.2	5.8
1989.....	6.7	9.0	8.2	5.9
1988.....	6.7	8.8	7.8	5.7
1987.....	6.8	8.7	7.4	5.5
1986.....	6.9	8.6	7.1	5.4
1985.....	6.9	8.4	6.8	5.3
1984.....	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

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 that 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—Annual abridged life tables were initiated in 1945 for white males, white females, all other males, and all other females. The figures in [table 6-5](#) by race and sex for the following years were estimated using a procedure other than the abridged life table methodology (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 shown in this section (furnished by the U.S. Bureau of the Census) represents the resident population of the United States. The populations used for computing the 1993 life table values are based on the July 1, 1993, population estimates that are consistent with the 1990 census (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 a census report (7).

Explanation of the columns of the life tables

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

Column 2—Proportion dying (${}_nq_x$)—This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval and who will die before reaching the end of that age interval. For example, for males in the age interval 20–25 years, the proportion dying is 0.00822: 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, 99,077 will complete the first year

of life and enter the second; 98,857 will begin the sixth year; 97,997 will reach age 20; and 22,983 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, 923 will die in the first year of life; 193 in the succeeding 4 years; 806 in the 5-year period between exact ages 20 and 25, and 22,983 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 488,013. 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 488,013 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 5,240,576 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 7,215,004.

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 488,013 for males in the age interval 20–25 is the total number of years lived between the 20th and 25th birthdays by the 97,997 (column 3) who reached the 20th birthday out of 100,000 males born alive. The corresponding figure 5,240,576 in column 6 is the total number of years lived after attaining age 20 by the 97,997 reaching that age. This number of years divided by the number of persons (5,240,576 divided by 97,997) gives 53.5 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
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, 1993
(Page 1 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	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	
	(2)	(3)	(4)	(5)	(6)	(7)	
x to $x + n$	nq_x	l_x	$n d_x$	$n L_x$	T_x	$^o e_x$	
ALL RACES							
0-1	0.00835	100,000	835	99,290	7,553,897	75.5	
1-5 .....	.00177	99,165	176	395,248	7,454,607	75.2
5-10 .....	.00106	98,989	105	494,659	7,058,359	71.3
10-15 .....	.00126	98,884	125	494,177	6,563,700	66.4
15-20 .....	.00431	98,759	426	492,829	6,069,523	61.5
20-25 .....	.00545	98,333	536	490,352	5,576,694	56.7
25-30 .....	.00612	97,797	599	487,486	5,086,342	52.0
30-35 .....	.00797	97,198	775	484,098	4,598,856	47.3
35-40 .....	.01031	96,423	994	479,771	4,114,758	42.7
40-45 .....	.01343	95,429	1,282	474,168	3,634,987	38.1
45-50 .....	.01842	94,147	1,734	466,717	3,160,819	33.6
50-55 .....	.02808	92,413	2,595	455,985	2,694,102	29.2
55-60 .....	.04421	89,818	3,971	439,733	2,238,117	24.9
60-65 .....	.06875	85,847	5,902	415,279	1,798,384	20.9
65-70 .....	.10148	79,945	8,113	380,318	1,383,105	17.3
70-75 .....	.14838	71,832	10,658	333,442	1,002,787	14.0
75-80 .....	.21698	61,174	13,274	273,494	669,345	10.9
80-85 .....	.32300	47,900	15,472	201,029	395,851	8.3
85 and over	1.00000	32,428	32,428	194,822	194,822	6.0	
MALE							
0-1 .....	.00923	100,000	923	99,215	7,215,004	72.2
1-5 .....	.00195	99,077	193	395,861	7,115,789	71.8
5-10 .....	.00117	98,884	116	494,104	6,719,928	68.0
10-15 .....	.00156	98,768	154	493,559	6,225,824	63.0
15-20 .....	.00626	98,614	617	491,689	5,732,265	58.1
20-25 .....	.00822	97,997	806	488,013	5,240,576	53.5
25-30 .....	.00897	97,191	872	483,751	4,752,563	48.9
30-35 .....	.01164	96,319	1,121	478,826	4,268,812	44.3
35-40 .....	.01455	95,198	1,385	472,702	3,789,986	39.8
40-45 .....	.01849	93,813	1,735	465,027	3,317,284	35.4
45-50 .....	.02407	92,078	2,216	455,262	2,852,257	31.0
50-55 .....	.03599	89,862	3,234	441,739	2,396,995	26.7
55-60 .....	.05627	86,628	4,875	421,638	1,955,256	22.6
60-65 .....	.08770	81,753	7,170	391,766	1,533,618	18.8
65-70 .....	.13065	74,583	9,744	349,469	1,141,852	15.3
70-75 .....	.18839	64,839	12,215	294,355	792,383	12.2
75-80 .....	.27338	52,624	14,386	227,282	498,028	9.5
80-85 .....	.39896	38,238	15,255	152,174	270,746	7.1
85 and over	1.00000	22,983	22,983	118,572	118,572	5.2	
FEMALE							
0-1 .....	.00742	100,000	742	99,370	7,884,404	78.8
1-5 .....	.00157	99,258	156	396,659	7,785,034	78.4
5-10 .....	.00095	99,102	94	485,254	7,388,375	74.6
10-15 .....	.00095	99,008	94	494,837	6,893,121	69.6
15-20 .....	.00227	98,814	225	494,043	6,398,284	64.7
20-25 .....	.00257	98,689	254	492,821	5,904,241	59.8
25-30 .....	.00323	98,435	318	491,396	5,411,420	55.0
30-35 .....	.00433	98,117	425	489,572	4,920,024	50.1
35-40 .....	.00608	97,892	594	487,080	4,430,452	45.4
40-45 .....	.00848	97,038	823	483,585	3,943,372	40.6
45-50 .....	.01296	96,275	1,248	478,481	3,459,787	35.9
50-55 .....	.02054	95,027	1,952	470,558	2,981,306	31.4
55-60 .....	.03296	93,075	3,068	458,157	2,510,748	27.0
60-65 .....	.05169	90,007	4,652	439,082	2,052,591	22.8
65-70 .....	.07699	85,355	6,571	411,208	1,613,509	18.9
70-75 .....	.11669	78,784	9,193	372,118	1,202,301	15.3
75-80 .....	.17702	69,591	12,319	318,611	830,183	11.9
80-85 .....	.27784	57,272	15,912	247,691	511,572	8.9
85 and over	1.00000	41,360	41,360	263,881	263,881	6.4	

SECTION 6 – LIFE TABLES – PAGE 8

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1993—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	${}^o e_x$
WHITE						
0-1	0.00691	100,000	681	99,421	7,632,665	76.3
1-5 .....	.00152	99,319	151	396,923	7,533,244	75.8
5-10 .....	.00095	99,168	94	495,584	7,136,321	72.0
10-15 .....	.00117	99,074	116	495,149	6,640,737	67.0
15-20 .....	.00383	98,958	379	493,927	6,145,588	62.1
20-25 .....	.00458	98,579	451	491,781	5,651,661	57.3
25-30 .....	.00519	98,128	509	489,354	5,159,880	52.6
30-35 .....	.00689	97,619	673	486,450	4,670,526	47.8
35-40 .....	.00880	96,946	853	482,721	4,184,076	43.2
40-45 .....	.01153	96,093	1,108	477,900	3,701,355	38.5
45-50 .....	.01635	94,985	1,553	471,346	3,223,455	33.9
50-55 .....	.02554	93,432	2,386	461,594	2,752,109	29.5
55-60 .....	.04111	91,046	3,743	446,444	2,290,515	25.2
60-65 .....	.06566	87,303	5,732	423,005	1,844,071	21.1
65-70 .....	.09834	81,571	8,022	388,720	1,421,066	17.4
70-75 .....	.14495	73,549	10,661	342,075	1,032,346	14.0
75-80 .....	.21466	62,888	13,500	281,588	690,271	11.0
80-85 .....	.32099	49,388	15,853	207,567	408,683	8.3
85 and over	1.00000	33,535	33,535	201,116	201,116	6.0
WHITE, MALE						
0-1 .....	.00755	100,000	755	99,360	7,308,000	73.1
1-5 .....	.00170	99,245	169	396,589	7,208,640	72.6
5-10 .....	.00107	99,076	106	495,091	6,812,051	68.8
10-15 .....	.00144	98,970	143	494,595	6,316,960	63.8
15-20 .....	.00534	98,827	528	492,948	5,822,365	58.9
20-25 .....	.00683	98,299	671	489,840	5,329,417	54.2
25-30 .....	.00766	97,628	748	486,234	4,839,577	49.6
30-35 .....	.01017	96,880	985	481,961	4,353,343	44.9
35-40 .....	.01257	95,895	1,205	476,617	3,871,362	40.4
40-45 .....	.01586	94,690	1,502	469,970	3,394,765	35.9
45-50 .....	.02129	93,188	1,984	461,377	2,924,795	31.4
50-55 .....	.03263	91,204	2,976	449,086	2,463,418	27.0
55-60 .....	.05220	88,228	4,606	430,322	2,014,332	22.8
60-65 .....	.08365	83,622	6,995	401,587	1,584,010	18.9
65-70 .....	.12687	76,627	9,722	359,812	1,182,423	15.4
70-75 .....	.18431	66,905	12,331	304,466	822,611	12.3
75-80 .....	.27102	54,574	14,791	236,073	518,145	9.5
80-85 .....	.39735	39,783	15,808	158,483	282,072	7.1
85 and over	1.00000	23,975	23,975	123,589	123,589	5.2
WHITE, FEMALE						
0-1 .....	.00603	100,000	603	99,486	7,948,850	79.5
1-5 .....	.00133	99,397	132	397,271	7,849,364	79.0
5-10 .....	.00084	99,265	83	496,100	7,452,093	75.1
10-15 .....	.00088	99,182	87	495,725	6,955,993	70.1
15-20 .....	.00222	99,095	220	494,959	6,460,268	65.2
20-25 .....	.00221	98,875	219	493,832	5,965,309	60.3
25-30 .....	.00265	98,656	261	492,636	5,471,477	55.5
30-35 .....	.00355	98,395	349	491,142	4,978,839	50.6
35-40 .....	.00498	98,046	488	489,094	4,487,697	45.8
40-45 .....	.00720	97,558	702	486,168	3,998,603	41.0
45-50 .....	.01148	96,856	1,112	481,712	3,512,435	36.3
50-55 .....	.01866	95,744	1,787	474,546	3,030,723	31.7
55-60 .....	.03059	93,957	2,874	463,044	2,556,177	27.2
60-65 .....	.04915	91,083	4,477	444,906	2,093,133	23.0
65-70 .....	.07407	86,606	6,415	417,879	1,648,227	19.0
70-75 .....	.11351	80,191	9,102	379,431	1,230,348	15.3
75-80 .....	.17441	71,089	12,399	326,016	850,917	12.0
80-85 .....	.27563	58,690	16,177	254,210	524,901	8.9
85 and over	1.00000	42,513	42,513	270,691	270,691	6.4

SECTION 6 – LIFE TABLES – PAGE 9

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1993—Con.
(Page 3 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	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
	(2)	(3)	(4)	(5)	(6)	(7)
x to $x + n$	nq_x	l_x	$n d_x$	$n L_x$	T_x	${}^o e_x$
ALL OTHER						
0-1	0.01405	100,000	1,405	98,805	7,146,642	71.5
1-5 .....	.00266	98,595	262	393,765	7,047,837	71.5
5-10 .....	.00148	98,333	146	491,261	6,654,072	67.7
10-15 .....	.00164	98,187	161	490,598	6,162,811	62.8
15-20 .....	.00625	98,026	613	488,768	5,672,213	57.9
20-25 .....	.00911	97,413	887	484,973	5,183,445	53.2
25-30 .....	.01021	96,526	986	480,236	4,698,472	48.7
30-35 .....	.01321	95,540	1,262	474,654	4,218,236	44.2
35-40 .....	.01765	94,278	1,664	467,456	3,743,582	39.7
40-45 .....	.02344	92,614	2,171	457,971	3,276,126	35.4
45-50 .....	.03080	90,443	2,786	445,673	2,818,155	31.2
50-55 .....	.04370	87,657	3,831	429,189	2,372,482	27.1
55-60 .....	.06364	83,826	5,335	406,339	1,943,293	23.2
60-65 .....	.08970	78,491	7,041	375,437	1,536,954	19.6
65-70 .....	.12530	71,450	8,953	335,417	1,161,517	16.3
70-75 .....	.17774	62,497	11,108	285,242	826,100	13.2
75-80 .....	.23880	51,389	12,272	226,412	540,858	10.5
80-85 .....	.34327	39,117	13,428	161,771	314,446	8.0
85 and over	1.00000	25,689	25,689	152,675	152,675	5.9
ALL OTHER, MALE						
0-1 .....	.01554	100,000	1,554	98,672	6,727,619	67.3
1-5 .....	.00288	98,446	284	393,127	6,628,947	67.3
5-10 .....	.00155	98,162	152	490,391	6,235,820	63.5
10-15 .....	.00206	98,010	202	489,646	5,745,429	58.6
15-20 .....	.00996	97,808	974	486,908	5,255,783	53.7
20-25 .....	.01426	96,834	1,381	480,927	4,768,875	49.2
25-30 .....	.01506	95,453	1,438	473,760	4,287,948	44.9
30-35 .....	.01919	94,015	1,804	465,685	3,814,188	40.6
35-40 .....	.02486	92,211	2,292	455,586	3,348,503	36.3
40-45 .....	.03332	89,919	2,996	442,522	2,892,917	32.2
45-50 .....	.04196	86,923	3,647	426,034	2,450,395	28.2
50-55 .....	.05807	83,276	4,836	404,854	2,024,361	24.3
55-60 .....	.08375	78,440	6,569	376,333	1,619,507	20.6
60-65 .....	.11762	71,871	8,453	338,783	1,243,174	17.3
65-70 .....	.16091	63,418	10,205	291,928	904,391	14.3
70-75 .....	.22525	53,213	11,986	236,251	612,483	11.5
75-80 .....	.29666	41,227	12,230	175,276	376,212	9.1
80-85 .....	.41511	28,997	12,037	114,163	200,936	6.9
85 and over	1.00000	16,960	16,960	86,773	86,773	5.1
ALL OTHER, FEMALE						
0-1 .....	.01250	100,000	1,250	98,944	7,548,212	75.5
1-5 .....	.00245	98,750	242	394,423	7,449,268	75.4
5-10 .....	.00140	98,508	138	492,159	7,054,845	71.6
10-15 .....	.00120	98,370	118	491,585	6,562,686	66.7
15-20 .....	.00246	98,252	242	490,705	6,071,101	61.8
20-25 .....	.00403	98,010	395	489,118	5,580,396	56.9
25-30 .....	.00568	97,615	554	486,748	5,091,278	52.2
30-35 .....	.00780	97,061	757	483,510	4,604,530	47.4
35-40 .....	.01120	96,304	1,079	479,009	4,121,020	42.8
40-45 .....	.01480	95,225	1,409	472,842	3,642,011	38.2
45-50 .....	.02121	93,816	1,990	464,425	3,169,169	33.8
50-55 .....	.03142	91,826	2,885	452,304	2,704,744	29.5
55-60 .....	.04702	86,941	4,182	434,762	2,252,440	25.3
60-65 .....	.06779	84,759	5,746	410,033	1,817,678	21.4
65-70 .....	.09807	79,013	7,749	376,398	1,407,645	17.8
70-75 .....	.14290	71,264	10,184	331,717	1,031,247	14.5
75-80 .....	.20078	61,080	12,264	275,312	699,530	11.5
80-85 .....	.30020	48,816	14,655	207,695	424,218	8.7
85 and over	1.00000	34,161	34,161	216,523	216,523	6.3

SECTION 6 – LIFE TABLES – PAGE 10

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1993—Con.
(Page 4 of 4)

Age interval Period of life between two exact ages stated in years, race, and sex (1) x to $x + n$	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	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
	(2)	(3)	(4)	(5)	(6)	(7)
	nq_x	l_x	$n d_x$	nL_x	T_x	${}^o e_x$
BLACK						
0-1 .....	.01648	100,000	1,648	98,587	6,920,872	69.2
1-5 .....	.00303	98,352	298	392,709	6,822,285	69.4
5-10 .....	.00185	98,054	162	489,820	6,429,576	65.6
10-15 .....	.00186	97,892	182	489,074	5,939,756	60.7
15-20 .....	.00715	97,710	699	487,003	5,450,682	55.8
20-25 .....	.01092	97,011	1,059	482,576	4,963,679	51.2
25-30 .....	.01244	95,952	1,194	476,882	4,481,103	46.7
30-35 .....	.01640	94,758	1,554	470,051	4,004,221	42.3
35-40 .....	.02198	93,204	2,049	461,368	3,534,170	37.9
40-45 .....	.02823	91,155	2,664	449,508	3,072,802	33.7
45-50 .....	.03836	88,491	3,395	434,462	2,623,294	29.6
50-55 .....	.05324	85,096	4,531	414,690	2,168,832	25.7
55-60 .....	.07555	80,565	6,087	388,186	1,774,142	22.0
60-65 .....	.10445	74,478	7,779	353,511	1,385,956	18.6
65-70 .....	.14304	66,699	9,541	310,154	1,032,445	15.5
70-75 .....	.19993	57,158	11,428	257,664	722,291	12.6
75-80 .....	.25843	45,790	11,818	199,134	464,627	10.2
80-85 .....	.36177	33,912	12,268	138,533	265,493	7.8
85 and over	1.00000	21,644	21,844	126,960	126,960	5.9
BLACK, MALE						
0-1 .....	.01827	100,000	1,827	98,430	6,459,189	64.6
1-5 .....	.00330	98,173	324	391,942	6,360,759	64.8
5-10 .....	.00169	97,849	165	488,788	5,968,817	61.0
10-15 .....	.00233	97,684	228	487,954	5,480,029	56.1
15-20 .....	.01155	97,456	1,126	484,822	4,992,075	51.2
20-25 .....	.01741	96,330	1,677	477,740	4,507,253	46.8
25-30 .....	.01857	94,653	1,758	469,009	4,029,513	42.6
30-35 .....	.02401	92,895	2,230	459,071	3,560,504	38.3
35-40 .....	.03122	90,665	2,831	446,559	3,101,433	34.2
40-45 .....	.04181	87,834	3,672	430,477	2,654,874	30.2
45-50 .....	.05287	84,162	4,450	410,289	2,224,397	26.4
50-55 .....	.07223	79,712	5,758	384,783	1,814,108	22.8
55-60 .....	.10143	73,954	7,501	351,587	1,429,325	19.3
60-65 .....	.13776	66,453	9,155	309,881	1,077,738	16.2
65-70 .....	.18339	57,298	10,508	260,490	767,857	13.4
70-75 .....	.25482	46,790	11,923	204,156	507,367	10.8
75-80 .....	.32277	34,867	11,254	145,755	303,211	8.7
80-85 .....	.44108	23,613	10,415	91,218	157,456	6.7
85 and over	1.00000	13,198	13,198	66,238	66,238	5.0
BLACK, FEMALE						
0-1 .....	.01464	100,000	1,464	98,748	7,370,167	73.7
1-5 .....	.00275	98,536	271	393,493	7,271,419	73.8
5-10 .....	.00161	98,265	158	490,883	6,877,926	70.0
10-15 .....	.00134	98,107	131	490,237	6,387,043	65.1
15-20 .....	.00266	97,976	261	489,285	5,896,806	60.2
20-25 .....	.00464	97,715	453	487,514	5,407,521	55.3
25-30 .....	.00681	97,262	662	484,736	4,920,007	50.6
30-35 .....	.00963	96,600	930	480,800	4,435,271	45.9
35-40 .....	.01380	95,670	1,320	475,271	3,954,471	41.3
40-45 .....	.01824	94,350	1,721	467,739	3,479,200	36.9
45-50 .....	.02606	92,629	2,414	457,491	3,011,461	32.5
50-55 .....	.03744	90,215	3,378	443,068	2,553,970	28.3
55-60 .....	.05465	86,837	4,746	422,873	2,110,902	24.3
60-65 .....	.07843	82,091	6,438	394,974	1,688,029	20.6
65-70 .....	.11215	75,653	8,484	357,771	1,293,055	17.1
70-75 .....	.16075	67,169	10,797	309,682	935,284	13.9
75-80 .....	.21777	56,372	12,276	251,662	625,602	11.1
80-85 .....	.31749	44,096	14,000	185,595	373,940	8.5
85 and over	1.00000	30,096	30,096	188,345	188,345	6.3

SECTION 6 – LIFE TABLES – PAGE 11

Table 6-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Race and Sex: United States, 1993

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	99,165	99,077	99,258	99,319	99,245	99,397	98,595	98,446	98,750	98,352	98,173	98,536
2	99,102	99,005	99,205	99,264	99,182	99,351	98,501	98,338	98,671	98,246	98,049	98,449
3	99,055	98,953	99,163	99,224	99,137	99,316	98,431	98,262	98,606	98,166	97,962	98,376
4	99,019	98,915	99,130	99,193	99,103	99,288	98,377	98,206	98,552	98,104	97,899	98,315
5	98,989	98,884	99,102	99,168	99,076	99,265	98,333	98,162	98,508	98,054	97,849	98,265
6	98,963	98,857	99,079	99,146	99,052	99,245	98,295	98,124	98,471	98,012	97,806	98,223
7	98,940	98,831	99,058	99,125	99,029	99,227	98,262	98,089	98,440	97,975	97,768	98,188
8	98,919	98,807	99,040	99,106	99,007	99,211	98,233	98,057	98,414	97,943	97,734	98,158
9	98,900	98,786	99,023	99,089	98,987	99,196	98,208	98,030	98,391	97,915	97,705	98,131
10	98,884	98,768	99,008	99,074	98,970	99,182	98,187	98,010	98,370	97,892	97,684	98,107
11	98,870	98,753	98,994	99,060	98,955	99,170	98,170	97,995	98,350	97,872	97,668	98,084
12	98,855	98,738	98,980	99,046	98,940	99,157	98,152	97,980	98,330	97,852	97,651	98,061
13	98,835	98,715	98,963	99,027	98,918	99,142	98,127	97,953	98,308	97,824	97,620	98,037
14	98,804	98,676	98,942	98,999	98,882	99,122	98,087	97,899	98,282	97,773	97,559	98,009
15	98,759	98,614	98,914	98,958	98,827	99,095	98,026	97,808	98,252	97,710	97,456	97,976
16	98,697	98,527	98,879	98,902	98,751	99,060	97,941	97,676	98,216	97,614	97,306	97,937
17	98,620	98,416	98,837	98,832	98,655	99,017	97,833	97,505	98,174	97,493	97,111	97,892
18	98,530	98,286	98,789	98,752	98,543	98,970	97,706	97,302	98,125	97,349	96,878	97,840
19	98,433	98,144	98,739	98,666	98,423	98,922	97,585	97,076	98,070	97,167	96,815	97,781
20	98,333	97,997	98,689	98,579	98,289	98,875	97,413	96,834	98,010	97,011	96,330	97,715
21	98,231	97,844	98,640	98,492	98,171	98,830	97,251	96,577	97,943	96,820	96,023	97,641
22	98,126	97,685	98,591	98,403	98,039	98,787	97,078	96,305	97,870	96,615	95,693	97,558
23	98,018	97,522	98,541	98,313	97,904	98,744	96,898	96,023	97,791	96,399	95,349	97,467
24	97,908	97,357	98,489	98,221	97,767	98,701	96,713	95,737	97,706	96,177	95,000	97,368
25	97,787	97,191	98,435	98,128	97,628	98,656	96,526	95,453	97,615	95,952	94,653	97,262
26	97,684	97,025	98,378	98,033	97,487	98,609	96,338	95,173	97,518	95,226	94,311	97,147
27	97,570	96,858	98,318	97,936	97,345	98,560	96,149	94,895	97,414	95,497	93,972	97,024
28	97,452	96,687	98,255	97,836	97,199	98,508	95,955	94,614	97,303	95,263	93,629	96,892
29	97,329	96,509	98,188	97,731	97,045	98,453	95,753	94,323	97,166	95,018	93,273	96,751
30	97,198	96,319	98,117	97,619	96,880	98,395	95,540	94,015	97,061	94,758	92,895	96,600
31	97,059	96,117	98,042	97,499	96,703	98,334	95,314	93,689	96,929	94,481	92,494	96,439
32	96,912	95,903	97,963	97,371	96,515	98,269	95,078	93,345	96,789	94,188	92,070	96,267
33	96,757	95,678	97,879	97,236	96,317	98,199	94,825	92,984	96,639	93,876	91,623	96,083
34	96,594	95,443	97,789	97,094	96,110	98,125	94,559	92,606	96,478	93,550	91,155	95,884
35	96,423	95,198	97,692	96,946	95,895	98,046	94,278	92,211	96,304	93,204	90,665	95,670
36	96,243	94,944	97,588	96,791	95,673	97,961	93,981	91,798	96,115	92,838	90,154	95,438
37	96,054	94,679	97,477	96,629	95,442	97,870	93,667	91,366	95,911	92,451	89,619	95,189
38	95,855	94,403	97,358	96,459	95,201	97,773	93,335	90,911	95,683	92,042	89,057	94,923
39	95,647	94,115	97,232	96,280	94,951	97,669	92,984	90,430	95,464	91,610	88,463	94,643
40	95,429	93,813	97,098	96,093	94,690	97,558	92,614	89,919	95,225	91,155	87,834	94,350
41	95,199	93,496	96,956	95,896	94,417	97,439	92,223	89,376	94,975	90,674	87,167	94,044
42	94,956	93,164	96,805	95,688	94,131	97,311	91,810	88,801	94,711	90,167	86,462	93,722
43	94,700	92,816	96,642	95,467	93,831	97,173	91,375	88,157	94,432	89,634	85,723	93,382
44	94,431	92,454	96,466	95,233	93,517	97,022	90,919	87,570	94,135	89,075	84,955	93,019
45	94,147	92,078	96,275	94,985	93,188	96,856	90,443	86,923	93,816	88,491	84,162	92,629
46	93,846	91,685	96,067	94,720	92,842	96,674	89,945	86,256	93,474	87,880	83,344	92,210
47	93,526	91,273	95,840	94,435	92,475	96,473	89,422	85,564	93,106	87,239	82,497	91,761
48	93,183	90,836	95,592	94,128	92,083	96,252	88,870	84,842	92,710	86,565	81,615	91,280
49	92,813	90,367	95,322	93,795	91,661	96,010	88,283	84,082	92,284	85,652	80,689	90,765
50	92,413	89,862	95,027	93,432	91,204	95,744	87,657	83,276	91,828	85,096	79,712	90,215
51	91,978	89,316	94,704	93,036	90,707	95,452	86,990	82,422	91,333	84,295	78,681	89,628
52	91,505	88,725	94,351	92,604	90,166	95,131	86,278	81,518	90,802	83,446	77,595	89,001
53	90,991	88,083	93,964	92,131	89,576	94,777	85,517	80,557	90,229	82,545	76,449	88,330
54	90,430	87,386	93,540	91,613	88,922	94,397	84,701	79,533	89,610	81,586	75,237	87,610
55	89,818	86,628	93,075	90,426	88,228	93,957	83,826	78,440	88,941	80,565	73,954	86,837
56	89,152	85,806	92,566	89,426	87,461	93,485	82,889	77,275	88,219	79,480	72,597	86,008
57	88,428	84,915	92,009	89,748	86,626	92,967	81,888	76,037	87,439	78,329	71,167	85,121
58	87,640	83,947	91,400	89,007	85,714	92,398	80,821	74,724	86,603	77,112	69,664	84,174
59	86,781	82,895	90,734	88,194	84,715	91,772	79,689	73,335	85,710	75,828	68,092	83,165
60	85,847	81,753	90,007	87,303	83,622	91,083	78,491	71,671	84,759	74,478	66,453	82,091
61	84,833	80,517	89,214	86,329	82,431	90,327	77,226	70,330	83,747	73,061	64,746	80,950
62	83,737	79,185	88,353	85,270	81,139	89,502	75,891	68,711	82,671	71,574	62,972	79,739
63	82,557	77,753	87,423	84,124	79,743	88,606	74,484	67,017	81,526	70,018	61,136	78,455
64	81,293	76,220	86,424	82,891	78,240	87,641	73,004	65,252	80,308	68,393	59,243	77,094
65	79,945	74,583	85,355	81,571	76,627	86,606	71,450	63,418	79,013	66,899	57,298	75,653
66	78,510	72,842	84,213	80,161	74,902	85,498	69,823	61,520	77,839	64,940	55,308	74,132
67	76,985	70,996	82,993	78,657	73,085	84,310	68,122	59,559	76,184	63,115	53,274	72,530
68	75,367	69,045	81,687	77,056	71,118	83,036	66,340	57,527	74,642	61,216	51,186	70,841
69	73,650	66,992	80,287	75,355	69,084	81,666	64,467	55,413	73,004	59,232	49,027	69,055
70	71,832	64,839	78,784	73,549	66,905	80,191	62,497	53,213	71,264	57,158	46,790	67,169
71	69,911	62,589	77,174	71,638	64,647	78,607	60,428	50,924	69,416	54,990	44,472	65,178
72	67,886	60,244	75,453	69,620	62,289	76,910	58,265	48,558	67,466	52,738	42,087	63,087
73	65,756	57,803	73,618	67,492	59,828	75,094	56,024	46,135	65,421	50,425	39,665	60,910
74	63,519	55,263	71,665	65,249	57,257	73,155	53,727	43,684	63,289	48,081	37,248	58,667
75	61,174	52,624	69,591	62,888	54,574	71,089	51,389	41,227	61,080	45,730	34,867	56,372
76	58,722	49,892	67,393	60,409	51,783	68,890	49,017	38,775	58,796	43,382	32,536	54,031
77	56,165	47,075	65,066	57,814	48,894	66,555	46,609	36,330	56,434	41,035	30,254	51,640
78	53,506	44,185	62,607	55,109	45,921	64,079	44,161	33,888	53,998	38,681	28,013	49,193
79	50,750	41,235	60,010	52,298	42,879	61,459	41,665	31,444	51,450	36,309	25,802	46,681
80	47,900	38,238	57,272	49,388	39,783	58,690	39,117	28,997	48,616	33,912	23,613	44,096
81	44,962	35,207	54,389	46,384	36,648	55,770	36,515	26,549	46,081	31,487	21,444	41,436
82	41,941	32,154	51,359	43,292	33,488	52,695	33,863	24,107	43,245	29,037	19,302	38,700
83	38,841	29,091	48,179	40,117	30,315	49,4						

SECTION 6 – LIFE TABLES – PAGE 12

Table 6-3. Expectation of Life at Single Years of Age, by Race and Sex: United States, 1993

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	75.5	72.2	78.8	76.3	73.1	79.5	71.5	67.3	75.5	69.2	64.6	73.7
1	75.2	71.8	78.4	75.8	72.6	79.0	71.5	67.3	75.4	69.4	64.8	73.8
2	74.2	70.9	77.5	74.9	71.7	78.0	70.6	66.4	74.5	68.4	63.9	72.9
3	73.3	69.9	76.5	73.9	70.7	77.0	69.6	65.5	73.5	67.5	62.9	71.9
4	72.3	68.9	75.5	72.9	69.7	76.1	68.6	64.5	72.6	66.5	62.0	71.0
5	71.3	68.0	74.6	72.0	68.8	75.1	67.7	63.5	71.6	65.6	61.0	70.0
6	70.3	67.0	73.6	71.0	67.8	74.1	66.7	62.6	70.6	64.6	60.0	69.0
7	69.3	66.0	72.6	70.0	66.8	73.1	65.7	61.6	69.7	63.6	59.0	68.0
8	68.4	65.0	71.6	69.0	65.8	72.1	64.7	60.6	68.7	62.6	58.1	67.1
9	67.4	64.0	70.6	68.0	64.8	71.1	63.8	59.6	67.7	61.7	57.1	66.1
10	66.4	63.0	69.6	67.0	63.8	70.1	62.8	58.6	66.7	60.7	56.1	65.1
11	65.4	62.0	68.6	66.0	62.8	69.1	61.8	57.6	65.7	59.7	55.1	64.1
12	64.4	61.1	67.6	65.0	61.8	68.2	60.8	56.6	64.7	58.7	54.1	63.1
13	63.4	60.1	66.7	64.1	60.9	67.2	59.8	55.7	63.8	57.7	53.1	62.1
14	62.4	59.1	65.7	63.1	59.9	66.2	58.8	54.7	62.8	56.7	52.2	61.2
15	61.5	58.1	64.7	62.1	58.9	65.2	57.9	53.7	61.8	55.8	51.2	60.2
16	60.5	57.2	63.7	61.1	58.0	64.2	56.9	52.8	60.8	54.8	50.3	59.2
17	59.5	56.2	62.7	60.2	57.0	63.2	56.0	51.9	59.8	53.9	49.4	58.2
18	58.6	55.3	61.8	59.2	56.1	62.3	55.0	51.0	58.9	53.0	48.5	57.3
19	57.7	54.4	60.8	58.3	55.1	61.3	54.1	50.1	57.9	52.1	47.7	56.3
20	56.7	53.5	59.8	57.3	54.2	60.3	53.2	49.2	56.9	51.2	46.8	55.3
21	55.8	52.6	58.9	56.4	53.3	59.4	52.3	48.4	56.0	50.3	45.9	54.4
22	54.8	51.6	57.9	55.4	52.4	58.4	51.4	47.5	55.0	49.4	45.1	53.4
23	53.9	50.7	56.9	54.5	51.4	57.4	50.5	46.7	54.1	48.5	44.3	52.5
24	52.9	49.8	55.9	53.5	50.5	56.4	49.6	45.8	53.1	47.6	43.4	51.5
25	52.0	48.9	55.0	52.6	49.6	55.5	48.7	44.9	52.2	46.7	42.6	50.6
26	51.1	48.0	54.0	51.6	48.6	54.5	47.8	44.1	51.2	45.8	41.7	49.6
27	50.1	47.1	53.0	50.7	47.7	53.5	46.9	43.2	50.3	44.9	40.9	48.7
28	49.2	46.1	52.1	49.7	46.8	52.5	46.0	42.3	49.3	44.0	40.0	47.8
29	48.3	45.2	51.1	48.8	45.9	51.6	45.1	41.4	48.4	43.1	39.2	46.8
30	47.3	44.3	50.1	47.8	44.9	50.6	44.2	40.6	47.4	42.3	38.3	45.9
31	46.4	43.4	49.2	46.9	44.0	49.6	43.3	39.7	46.5	41.4	37.5	45.0
32	45.5	42.5	48.2	46.0	43.1	48.7	42.4	38.9	45.6	40.5	36.7	44.1
33	44.5	41.6	47.3	45.0	42.2	47.7	41.5	38.0	44.6	39.6	35.8	43.2
34	43.6	40.7	46.3	44.1	41.3	46.7	40.6	37.2	43.7	38.8	35.0	42.2
35	42.7	39.8	45.4	43.2	40.4	45.8	39.7	36.3	42.8	37.9	34.2	41.3
36	41.8	38.9	44.4	42.2	39.5	44.8	38.8	35.5	41.9	37.1	33.4	40.4
37	40.8	38.0	43.4	41.3	38.6	43.9	38.0	34.6	41.0	36.2	32.6	39.5
38	39.9	37.1	42.5	40.4	37.7	42.9	37.1	33.8	40.1	35.4	31.8	38.6
39	39.0	36.2	41.6	39.4	36.8	41.9	36.2	33.0	39.1	34.5	31.0	37.8
40	38.1	35.4	40.6	38.5	35.9	41.0	35.4	32.2	38.2	33.7	30.2	36.9
41	37.2	34.5	39.7	37.6	35.0	40.0	34.5	31.4	37.3	32.9	29.5	36.0
42	36.3	33.6	38.7	36.7	34.1	39.1	33.7	30.6	36.4	32.1	28.7	35.1
43	35.4	32.7	37.8	35.8	33.2	38.1	32.8	29.8	35.6	31.3	27.9	34.2
44	34.5	31.8	36.9	34.8	32.3	37.2	32.0	29.0	34.7	30.4	27.2	33.4
45	33.6	31.0	35.9	33.9	31.4	36.3	31.2	28.2	33.8	29.6	26.4	32.5
46	32.7	30.1	35.0	33.0	30.5	35.3	30.3	27.4	32.9	28.8	25.7	31.7
47	31.8	29.2	34.1	32.1	29.6	34.4	29.5	26.6	32.0	28.1	24.9	30.8
48	30.9	28.4	33.2	31.2	28.7	33.5	28.7	25.8	31.2	27.3	24.2	30.0
49	30.0	27.5	32.3	30.3	27.9	32.6	27.9	25.1	30.3	26.5	23.5	29.1
50	29.2	26.7	31.4	29.5	27.0	31.7	27.1	24.3	29.5	25.7	22.8	28.3
51	28.3	25.8	30.5	28.6	26.2	30.7	26.3	23.6	28.6	25.0	22.0	27.5
52	27.4	25.0	29.6	27.7	25.3	29.9	25.5	22.8	27.8	24.2	21.4	26.7
53	26.6	24.2	28.7	26.8	24.5	29.0	24.7	22.1	26.9	23.5	20.7	25.9
54	25.7	23.4	27.8	26.0	23.6	28.1	23.9	21.4	26.1	22.7	20.0	25.1
55	24.9	22.6	27.0	25.2	22.8	27.2	23.2	20.6	25.3	22.0	19.3	24.3
56	24.1	21.8	26.1	24.3	22.0	26.3	22.4	20.0	24.5	21.3	18.7	23.5
57	23.3	21.0	25.3	23.5	21.2	25.5	21.7	19.3	23.7	20.6	18.0	22.8
58	22.5	20.2	24.4	22.7	20.5	24.6	21.0	18.6	23.0	19.9	17.4	22.0
59	21.7	19.5	23.6	21.9	19.7	23.8	20.3	17.9	22.2	19.3	16.8	21.3
60	20.9	18.8	22.8	21.1	18.9	23.0	19.6	17.3	21.4	18.6	16.2	20.6
61	20.2	18.0	22.0	20.4	18.2	22.2	18.9	16.7	20.7	18.0	15.6	19.8
62	19.5	17.3	21.2	19.6	17.5	21.4	18.2	16.0	20.0	17.3	15.1	19.1
63	18.7	16.6	20.4	18.9	16.8	20.6	17.6	15.4	19.2	16.7	14.5	18.4
64	18.0	16.0	19.7	18.1	16.1	19.8	16.9	14.8	18.5	16.1	13.9	17.8
65	17.3	15.3	18.9	17.4	15.4	19.0	16.3	14.3	17.8	15.5	13.4	17.1
66	16.6	14.7	18.2	16.7	14.8	18.3	15.6	13.7	17.1	14.9	12.9	16.4
67	15.9	14.0	17.4	16.0	14.1	17.5	15.0	13.1	16.4	14.3	12.3	15.8
68	15.3	13.4	16.7	15.4	13.5	16.8	14.4	12.6	15.8	13.7	11.8	15.2
69	14.6	12.8	16.0	14.7	12.9	16.1	13.8	12.0	15.1	13.2	11.3	14.5
70	14.0	12.2	15.3	14.0	12.3	15.3	13.2	11.5	14.5	12.6	10.8	13.9
71	13.3	11.6	14.6	13.4	11.7	14.6	12.7	11.0	13.8	12.1	10.4	13.3
72	12.7	11.1	13.9	12.8	11.1	14.0	12.1	10.5	13.2	11.6	9.9	12.8
73	12.1	10.5	13.2	12.2	10.6	13.3	11.6	10.0	12.6	11.1	9.5	12.2
74	11.5	10.0	12.6	11.6	10.0	12.6	11.0	9.6	12.0	10.6	9.1	11.6
75	10.9	9.5	11.9	11.0	9.5	12.0	10.5	9.1	11.5	10.2	8.7	11.1
76	10.4	9.0	11.3	10.4	9.0	11.3	10.0	8.7	10.9	9.7	8.3	10.6
77	9.8	8.5	10.7	9.9	8.5	10.7	9.5	8.2	10.3	9.2	7.9	10.0
78	9.3	8.0	10.1	9.3	8.0	10.1	9.0	7.8	9.8	8.7	7.5	9.5
79	8.8	7.5	9.5	8.8	7.5	9.5	8.5	7.3	9.2	8.3	7.1	9.0
80	8.3	7.1	8.9	8.3	7.1	8.9	8.0	6.9	8.7	7.8	6.7	8.5
81	7.8	6.7	8.4	7.8	6.7	8.4	7.6	6.5	8.2	7.4	6.3	8.0
82	7.3	6.2	7.8	7.3	6.2	7.8	7.1	6.1	7.7	7.0	5.9	7.5
83	6.8	5.9	7.3	6.8	5.9	7.3	6.7	5.8	7.2	6.6	5.6	7.1
84	6.4	5.5	6.8	6.4	5.5	6.8	6.3	5.4	6.8	6.2	5.3	6.7
85	6.0	5.2	6.4	6.0	5.2	6.4	5.9	5.1	6.3	5.9	5.0	6.3

SECTION 6 – LIFE TABLES – PAGE 13

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1993

(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>)									
	1993	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	99,165	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5	98,989	98,495	97,668	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10	98,884	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15	98,759	98,196	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20	98,333	97,741	96,716	95,366	94,435	90,089	85,441	80,074	77,239	74,043
25	97,797	97,110	96,000	95,517	94,676	91,335	87,269	83,146	78,046	74,768
30	97,198	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35	96,423	95,808	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40	95,429	94,926	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45	94,147	93,599	91,587	91,378	89,634	84,059	77,343	72,036	66,561	62,436
50	92,413	91,526	88,972	88,756	86,591	80,487	73,321	68,429	62,460	58,514
55	89,818	88,348	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60	85,847	83,726	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65	79,945	77,107	71,933	71,147	67,555	60,366	53,195	50,560	43,194	40,911
70	71,832	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,390
75	61,174	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80	47,900	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85	32,428	27,960	20,908	18,542	15,785	11,073	8,542	8,683	6,001	6,053
MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,077	98,607	97,755	97,087	96,661	94,762	93,440	91,745	87,505	86,426
5	98,884	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10	98,768	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15	98,614	97,972	96,904	96,107	95,366	92,508	89,561	86,156	80,261	77,681
20	97,997	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25	97,191	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30	96,319	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35	95,198	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,752
40	93,813	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45	92,078	91,649	89,369	89,492	87,819	82,336	75,882	71,244	64,518	60,849
50	89,862	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55	86,628	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60	81,753	79,012	73,958	73,887	71,246	65,142	58,909	56,917	48,343	45,895
65	74,583	70,846	64,318	64,177	61,566	55,776	50,154	49,218	40,264	38,736
70	64,839	59,591	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75	52,624	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	21,076
80	38,238	31,810	24,921	25,300	25,237	18,995	16,172	17,128	11,942	12,084
85	22,983	18,020	13,168	12,845	11,750	8,693	7,107	7,920	5,059	5,179
FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,258	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5	99,102	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10	99,008	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15	98,914	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20	98,689	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25	98,435	97,883	96,966	96,418	95,583	92,322	88,328	84,135	78,481	76,119
30	98,117	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35	97,692	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40	97,098	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45	96,275	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50	95,027	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415
55	93,075	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60	90,007	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,226	50,155
65	85,355	83,520	79,698	78,462	74,119	65,523	56,924	52,126	46,438	43,246
70	78,784	76,720	71,955	70,100	64,873	55,449	46,774	42,741	36,916	34,721
75	69,591	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80	57,272	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85	41,360	37,772	29,538	25,269	20,666	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	99,319	98,898	98,224	97,714	97,278	95,685	---	---	---	---
5	99,168	98,675	97,930	97,353	96,790	94,713	---	---	---	---
10	99,074	98,536	97,733	97,131	96,502	94,228	---	---	---	---
15	98,958	98,391	97,546	96,928	96,228	93,792	---	---	---	---
20	98,579	97,939	97,036	96,508	95,763	93,117	---	---	---	---
25	98,128	97,340	96,406	95,965	95,169	92,213	---	---	---	---
30	97,619	96,774	95,824	95,440	94,536	91,185	---	---	---	---
35	96,946	96,192	95,152	94,798	93,750	89,941	---	---	---	---
40	96,093	95,427	94,190	93,870	92,616	88,318	---	---	---	---
45	94,985	94,257	92,681	92,374	90,847	86,069	---	---	---	---
50	93,432	92,384	90,306	89,958	88,110	82,833	---	---	---	---
55	91,046	89,427	86,688	86,173	84,027	78,218	---	---	---	---
60	87,303	85,031	81,323	80,811	78,066	71,785	---	---	---	---
65	81,571	78,585	73,889	73,102	69,850	63,201	---	---	---	---
70	73,549	69,801	63,991	62,834	59,189	52,165	---	---	---	---
75	62,888	58,299	51,586	49,895	45,688	38,610	---	---	---	---
80	49,388	44,409	36,659	34,697	30,438	23,976	---	---	---	---
85	33,535	28,768	21,578	19,017	16,239	11,483	---	---	---	---

SECTION 6 – LIFE TABLES – PAGE 14

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1993—Con.
(Page 2 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)									
	1993	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	99,245	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	99,076	98,519	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	98,970	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	98,827	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	98,299	97,525	96,480	95,908	95,104	92,293	88,904	84,997	79,116	76,376
25	97,628	96,616	95,524	94,294	93,241	90,241	87,371	83,061	77,047	73,907
30	96,880	95,783	94,716	94,401	93,469	90,092	85,707	80,888	74,810	71,219
35	95,895	94,980	93,843	93,569	92,543	88,713	83,812	78,441	72,108	68,245
40	94,690	93,984	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	93,188	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	91,204	90,105	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	88,228	86,303	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	83,622	80,625	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	76,627	72,393	66,343	65,834	63,514	58,305	52,964	50,669	40,862	39,245
70	66,905	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	54,574	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	39,783	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	23,975	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	99,397	99,035	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	99,265	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	99,182	98,725	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	99,095	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,875	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	98,656	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	98,395	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	98,046	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	97,558	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	96,856	96,065	94,649	94,226	92,725	87,920	81,780	74,871	69,341	64,677
50	95,744	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	93,957	92,594	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	91,083	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	86,606	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	80,191	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	71,089	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,568	25,362
80	58,690	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	42,513	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	98,595	98,087	96,909	95,732	95,407	---	---	---	---	---
5	98,333	97,756	96,400	95,051	94,482	---	---	---	---	---
10	98,187	97,568	96,126	94,745	94,060	---	---	---	---	---
15	98,026	97,387	95,864	94,460	93,846	---	---	---	---	---
20	97,413	96,913	95,101	93,880	92,738	---	---	---	---	---
25	96,526	96,107	93,792	92,925	91,321	---	---	---	---	---
30	95,540	95,088	92,309	91,699	89,584	---	---	---	---	---
35	94,278	93,870	90,470	90,046	87,402	---	---	---	---	---
40	92,614	92,245	87,964	87,766	84,478	---	---	---	---	---
45	90,443	89,928	84,575	84,501	80,507	---	---	---	---	---
50	87,657	86,525	80,046	80,172	74,976	---	---	---	---	---
55	83,826	81,732	74,150	73,893	67,660	---	---	---	---	---
60	78,491	75,300	66,775	65,795	58,593	---	---	---	---	---
65	71,450	67,179	57,797	56,038	48,649	---	---	---	---	---
70	62,497	57,635	47,542	45,434	38,616	---	---	---	---	---
75	51,389	46,362	35,987	34,531	28,968	---	---	---	---	---
80	39,117	34,558	25,215	24,815	20,003	---	---	---	---	---
85	25,689	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	98,446	97,939	96,592	95,301	94,911	91,696	---	---	---	---
5	98,162	97,559	96,038	94,570	93,921	89,920	---	---	---	---
10	98,010	97,337	95,716	94,234	93,453	89,211	---	---	---	---
15	97,808	97,113	95,385	93,874	92,965	88,417	---	---	---	---
20	96,634	96,431	94,293	93,108	91,941	86,770	---	---	---	---
25	95,453	95,200	92,267	91,825	90,285	84,055	---	---	---	---
30	94,015	93,666	90,106	90,270	88,327	80,865	---	---	---	---
35	92,211	91,891	87,597	88,331	85,940	77,185	---	---	---	---
40	89,919	89,645	84,378	85,744	82,832	72,830	---	---	---	---
45	86,923	86,578	80,163	82,075	78,686	67,514	---	---	---	---
50	83,276	82,153	74,748	77,239	72,891	60,766	---	---	---	---
55	78,440	76,019	67,808	70,351	65,122	52,867	---	---	---	---
60	71,871	68,093	59,396	61,669	55,535	44,370	---	---	---	---
65	63,418	58,517	49,607	51,392	45,138	35,912	---	---	---	---
70	53,213	47,796	39,025	39,814	35,018	27,689	---	---	---	---
75	41,227	36,191	27,789	29,064	25,472	19,765	---	---	---	---
80	28,997	24,969	17,999	19,994	16,904	12,352	---	---	---	---
85	16,960	14,454	10,811	11,620	9,898	6,492	---	---	---	---

SECTION 6 – LIFE TABLES – PAGE 15

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1993—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 (<i>l_x</i>)									
	1993	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	98,750	98,261	97,235	96,172	95,913	95,318	---	---	---	---
5	98,508	97,958	96,772	95,543	95,055	94,710	---	---	---	---
10	98,370	97,806	96,546	95,265	94,679	94,092	---	---	---	---
15	98,252	97,669	96,353	95,057	94,343	93,363	---	---	---	---
20	98,010	97,404	95,917	94,660	93,544	92,505	---	---	---	---
25	97,615	96,996	95,247	94,005	92,336	90,961	---	---	---	---
30	97,061	96,441	94,370	93,070	90,799	88,147	---	---	---	---
35	96,304	95,719	93,123	91,670	88,805	79,879	---	---	---	---
40	95,225	94,646	91,247	89,676	86,052	75,908	---	---	---	---
45	93,816	93,009	89,608	86,793	82,257	71,061	---	---	---	---
50	91,826	90,523	84,964	82,979	77,007	64,886	---	---	---	---
55	88,941	86,951	80,162	77,362	70,196	57,419	---	---	---	---
60	84,759	82,000	73,984	69,941	61,758	49,102	---	---	---	---
65	79,013	75,382	66,064	60,825	52,358	40,718	---	---	---	---
70	71,264	67,147	56,375	51,274	42,612	32,579	---	---	---	---
75	61,080	56,499	44,841	40,540	32,981	24,668	---	---	---	---
80	48,816	44,378	33,373	30,315	23,712	17,157	---	---	---	---
85	34,161	30,543	22,763	19,744	15,550	10,658	---	---	---	---
BLACK										
0	100,000	100,000	100,000	---	---	100,000	---	---	---	---
1	98,352	97,885	96,731	---	---	92,584	---	---	---	---
5	98,054	97,522	96,207	---	---	90,983	---	---	---	---
10	97,892	97,322	95,928	---	---	90,339	---	---	---	---
15	97,710	97,134	95,661	---	---	89,591	---	---	---	---
20	97,011	96,652	94,887	---	---	87,839	---	---	---	---
25	95,952	95,804	93,513	---	---	85,210	---	---	---	---
30	94,758	94,680	91,934	---	---	82,194	---	---	---	---
35	93,204	93,288	89,977	---	---	78,683	---	---	---	---
40	91,155	91,439	87,304	---	---	74,466	---	---	---	---
45	88,491	88,834	83,700	---	---	69,284	---	---	---	---
50	85,096	85,044	78,938	---	---	62,702	---	---	---	---
55	80,565	79,816	72,826	---	---	54,846	---	---	---	---
60	74,478	72,913	65,250	---	---	46,318	---	---	---	---
65	66,699	64,391	56,102	---	---	37,838	---	---	---	---
70	57,158	54,617	45,785	---	---	29,654	---	---	---	---
75	45,730	43,274	34,262	---	---	21,798	---	---	---	---
80	33,912	31,711	23,710	---	---	14,408	---	---	---	---
85	21,644	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	98,173	97,703	96,394	---	---	91,772	91,268	89,499	78,065	74,674
5	97,849	97,300	95,826	---	---	90,082	88,412	85,195	68,589	64,385
10	97,684	97,061	95,497	---	---	89,393	87,311	83,768	66,377	61,730
15	97,456	96,826	95,161	---	---	88,610	86,152	82,332	64,478	59,667
20	96,330	96,132	94,053	---	---	86,968	83,621	79,057	61,426	56,733
25	94,653	94,827	91,904	---	---	84,227	79,516	74,540	57,736	53,285
30	92,895	93,125	89,584	---	---	80,979	75,083	70,344	54,073	49,867
35	90,665	91,080	86,885	---	---	77,221	70,049	65,873	49,865	46,541
40	87,834	88,490	83,441	---	---	72,780	64,710	61,353	45,414	42,989
45	84,162	84,997	78,976	---	---	67,346	58,432	56,589	40,563	39,230
50	79,712	80,065	73,282	---	---	60,495	51,748	51,880	35,427	34,766
55	73,954	73,413	66,101	---	---	52,426	44,436	46,581	29,754	29,987
60	66,453	64,980	57,457	---	---	43,833	36,790	40,506	23,750	24,194
65	57,298	55,061	47,485	---	---	35,371	29,314	34,042	17,806	19,015
70	46,790	44,213	36,925	---	---	27,236	21,741	26,923	12,295	13,829
75	34,867	32,717	25,921	---	---	19,456	14,419	18,854	7,494	8,892
80	23,613	22,017	16,560	---	---	12,186	8,239	11,615	3,894	4,831
85	13,198	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	98,536	98,073	97,076	---	---	93,416	92,796	91,251	81,493	78,525
5	98,265	97,751	96,598	---	---	91,906	90,185	87,149	72,768	68,056
10	98,107	97,590	96,369	---	---	91,308	89,201	85,607	70,508	65,111
15	97,976	97,450	96,172	---	---	90,594	88,088	83,954	68,218	62,384
20	97,715	97,180	95,729	---	---	88,736	85,078	80,154	64,764	59,053
25	97,262	96,754	95,035	---	---	86,198	81,067	75,359	61,430	55,795
30	96,600	96,150	94,114	---	---	83,384	76,816	70,633	58,281	52,773
35	95,670	95,338	92,607	---	---	80,092	72,192	65,857	54,595	49,567
40	94,350	94,137	90,817	---	---	76,084	67,271	61,130	50,568	46,146
45	92,629	92,322	88,001	---	---	71,157	61,365	56,230	45,947	42,279
50	90,215	89,563	84,168	---	---	64,885	54,920	50,780	40,866	37,681
55	86,837	85,653	79,177	---	---	57,314	47,074	44,742	35,415	33,124
60	82,091	80,293	72,820	---	---	48,928	38,761	37,954	28,908	27,524
65	75,653	73,266	64,716	---	---	40,504	30,852	31,044	22,302	21,995
70	67,169	64,729	54,873	---	---	32,354	23,341	24,107	15,871	16,140
75	56,372	53,831	45,193	---	---	24,502	16,576	17,216	10,657	11,066
80	44,096	41,886	31,756	---	---	17,039	10,822	11,151	6,324	6,708
85	30,096	28,004	21,358	---	---	10,822	6,033	5,972	3,029	3,567

SECTION 6 – LIFE TABLES – PAGE 16

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1993—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 (0e_x)									
	1993	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL RACES										
0	75.5	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	75.2	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	71.3	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	66.4	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	61.5	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	56.7	55.46	53.00	52.58	51.20	48.54	45.94	45.30	43.53	42.79
25	52.0	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	47.3	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	42.7	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	38.1	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	33.6	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	29.2	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	24.9	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	20.9	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	17.3	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	14.0	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	6.0	5.96	5.28	4.58	4.69	4.31	4.19	4.21	4.00	3.96
MALE										
0	72.2	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	71.8	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	68.0	66.29	63.82	64.10	63.12	60.76	58.14	57.60	55.11	54.22
10	63.0	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	58.1	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	53.5	51.88	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	48.9	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	44.3	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	39.8	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	35.4	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	31.0	29.22	27.18	27.09	26.55	25.52	24.87	25.84	23.77	24.14
50	26.7	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	22.6	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.98	17.38
60	18.8	17.46	15.99	15.94	15.68	14.99	14.62	15.22	13.95	14.33
65	15.3	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.50
70	12.2	11.35	10.39	10.33	10.11	9.46	9.18	9.52	8.83	9.02
75	9.5	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	65.37	60.45	58.37	56.10
5	74.6	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	45.4	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	31.4	30.69	28.77	27.71	26.40	24.40	23.05	22.92	21.67	21.64
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	11.9	11.58	10.26	9.33	8.94	8.01	7.61	7.65	7.20	7.34
80	8.9	8.69	7.68	6.72	6.67	5.99	5.70	5.75	5.37	5.51
85	6.4	6.38	5.63	4.71	4.90	4.47	4.32	4.30	4.08	4.12
WHITE										
0	76.3	74.53	71.62	70.73	69.02	64.92	---	---	---	---
1	75.8	74.35	71.91	71.38	69.95	66.84	---	---	---	---
5	72.0	70.52	68.12	67.64	66.29	63.52	---	---	---	---
10	67.0	65.62	63.26	62.79	61.48	58.83	---	---	---	---
15	62.1	60.71	58.37	57.92	56.65	54.09	---	---	---	---
20	57.3	55.98	53.66	53.16	51.91	49.47	---	---	---	---
25	52.6	51.30	49.00	48.44	47.22	44.92	---	---	---	---
30	47.8	46.59	44.28	43.69	42.52	40.40	---	---	---	---
35	43.2	41.86	39.58	38.97	37.86	35.93	---	---	---	---
40	38.5	37.17	34.95	34.33	33.29	31.54	---	---	---	---
45	33.9	32.60	30.48	29.84	28.88	27.29	---	---	---	---
50	29.5	28.21	26.21	25.57	24.70	23.26	---	---	---	---
55	25.2	24.05	22.19	21.58	20.77	19.47	---	---	---	---
60	21.1	20.16	18.48	17.84	17.15	15.98	---	---	---	---
65	17.4	16.59	15.08	14.44	13.86	12.80	---	---	---	---
70	14.0	13.35	12.01	11.37	10.89	9.96	---	---	---	---
75	11.0	10.47	9.27	8.65	8.34	7.55	---	---	---	---
80	8.3	7.95	7.01	6.33	6.27	5.64	---	---	---	---
85	6.0	5.90	5.19	4.53	4.62	4.20	---	---	---	---

SECTION 6 – LIFE TABLES – PAGE 17

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1993—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	Average number of years of life remaining (e_x)									
	1993	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE										
0	73.1	70.82	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	72.6	70.70	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	68.8	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	63.8	61.98	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	58.9	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	54.2	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	49.6	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	44.9	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	40.4	38.66	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	35.9	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	31.4	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	27.0	25.26	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	22.8	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	18.9	17.56	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	15.4	14.26	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	12.3	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.5	8.87	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	7.1	6.76	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	79.5	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	79.0	77.98	75.66	74.68	72.77	68.93	64.93	61.51	56.69	54.39
5	75.1	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	55.5	54.60	52.42	51.45	49.77	46.78	44.25	42.55	40.83	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	36.3	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	31.7	30.96	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	27.2	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	19.89	18.64	17.00	16.05	15.93	14.92	15.23
65	19.0	18.55	16.93	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	15.3	14.89	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	12.0	11.58	10.21	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	8.9	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.4	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
ALL OTHER										
0	71.5	69.84	64.95	63.91	60.73	---	---	---	---	---
1	71.5	70.19	66.02	65.75	62.65	---	---	---	---	---
5	67.7	66.43	62.36	62.21	59.25	---	---	---	---	---
10	62.8	61.56	57.53	57.41	54.50	---	---	---	---	---
15	57.9	56.67	52.68	52.57	49.73	---	---	---	---	---
20	53.2	51.93	48.08	47.88	45.19	---	---	---	---	---
25	48.7	47.34	43.71	43.35	40.85	---	---	---	---	---
30	44.2	42.82	39.37	38.89	36.59	---	---	---	---	---
35	39.7	38.34	35.12	34.56	32.44	---	---	---	---	---
40	35.4	33.97	31.05	30.39	28.48	---	---	---	---	---
45	31.2	29.78	27.19	26.46	24.75	---	---	---	---	---
50	27.1	25.85	23.58	22.74	21.38	---	---	---	---	---
55	23.2	22.21	20.24	19.45	18.41	---	---	---	---	---
60	19.6	18.88	17.19	16.53	15.87	---	---	---	---	---
65	16.3	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	8.0	8.38	8.36	7.28	7.62	---	---	---	---	---
85	5.9	6.63	6.62	5.27	5.79	---	---	---	---	---
ALL OTHER, MALE										
0	67.3	65.63	60.98	61.48	58.91	52.33	---	---	---	---
1	67.3	66.01	62.13	63.50	61.06	56.05	---	---	---	---
5	63.5	62.26	58.48	59.98	57.69	53.13	---	---	---	---
10	58.6	57.40	53.67	55.19	52.96	48.54	---	---	---	---
15	53.7	52.52	48.84	50.39	48.23	43.95	---	---	---	---
20	49.2	47.97	44.37	45.78	43.73	39.74	---	---	---	---
25	44.9	43.46	40.29	41.38	39.49	35.94	---	---	---	---
30	40.6	39.13	36.20	37.05	35.31	32.25	---	---	---	---
35	36.3	34.83	32.16	32.81	31.21	28.67	---	---	---	---
40	32.2	30.64	28.29	28.72	27.29	25.23	---	---	---	---
45	28.2	26.63	24.64	24.89	23.59	22.02	---	---	---	---
50	24.3	22.92	21.24	21.26	20.25	19.18	---	---	---	---
55	20.6	19.56	18.14	18.11	17.36	16.67	---	---	---	---
60	17.3	16.54	15.35	15.29	14.91	14.38	---	---	---	---
65	14.3	13.83	12.87	12.84	12.75	12.18	---	---	---	---
70	11.5	11.36	10.68	10.81	10.74	10.06	---	---	---	---
75	9.1	9.20	8.99	8.93	8.83	8.09	---	---	---	---
80	6.9	7.22	7.57	6.87	7.07	6.46	---	---	---	---
85	5.1	5.69	6.04	5.08	5.38	5.08	---	---	---	---

SECTION 6 – LIFE TABLES – PAGE 18

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1993—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)									
	1993	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE										
0	75.5	74.00	69.05	66.47	62.70	55.51	---	---	---	---
1	75.4	74.31	70.01	68.10	64.37	58.47	---	---	---	---
5	71.6	70.53	66.34	64.54	60.93	55.47	---	---	---	---
10	66.7	65.64	61.49	59.72	56.17	50.83	---	---	---	---
15	61.8	60.73	56.60	54.85	51.36	46.22	---	---	---	---
20	56.9	55.88	51.85	50.07	46.77	42.14	---	---	---	---
25	52.2	51.11	47.19	45.40	42.35	38.31	---	---	---	---
30	47.4	46.39	42.61	40.83	38.02	34.52	---	---	---	---
35	42.8	41.72	38.14	36.41	33.82	30.83	---	---	---	---
40	38.2	37.16	33.87	32.16	29.82	27.31	---	---	---	---
45	33.8	32.77	29.80	28.14	26.07	24.00	---	---	---	---
50	29.5	28.59	25.97	24.31	22.67	21.04	---	---	---	---
55	25.3	24.66	22.37	20.89	19.62	18.44	---	---	---	---
60	21.4	20.89	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	8.7	9.17	9.01	7.66	8.15	8.00	---	---	---	---
85	6.3	7.19	7.07	5.44	6.15	6.38	---	---	---	---
BLACK										
0	69.2	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	51.2	50.75	47.34	---	---	40.73	---	---	---	---
25	46.7	46.18	43.00	---	---	36.91	---	---	---	---
30	42.3	41.69	38.70	---	---	33.17	---	---	---	---
35	37.9	37.28	34.48	---	---	29.53	---	---	---	---
40	33.7	32.98	30.46	---	---	26.06	---	---	---	---
45	29.6	28.87	26.65	---	---	22.82	---	---	---	---
50	25.7	25.03	23.11	---	---	19.94	---	---	---	---
55	22.0	21.50	19.83	---	---	17.43	---	---	---	---
60	18.6	18.29	16.83	---	---	15.18	---	---	---	---
65	15.5	15.37	14.16	---	---	13.02	---	---	---	---
70	12.6	12.67	11.77	---	---	10.93	---	---	---	---
75	10.2	10.32	9.89	---	---	8.97	---	---	---	---
80	7.8	8.17	8.20	---	---	7.31	---	---	---	---
85	5.9	6.54	6.54	---	---	5.91	---	---	---	---
BLACK, MALE										
0	64.6	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	51.2	51.14	47.96	---	---	43.74	39.83	41.75	36.77	38.26
20	46.8	46.48	43.49	---	---	39.52	35.95	38.36	33.46	35.11
25	42.6	42.09	39.45	---	---	35.72	32.67	35.54	30.44	32.21
30	38.3	37.81	35.40	---	---	32.05	29.45	32.51	27.33	29.25
35	34.2	33.60	31.42	---	---	28.48	26.39	29.54	24.42	26.16
40	30.2	29.51	27.61	---	---	25.05	23.36	26.53	21.57	23.12
45	26.4	25.61	24.03	---	---	21.88	20.59	23.55	18.85	20.09
50	22.8	22.03	20.69	---	---	19.05	17.92	20.47	16.21	17.34
55	19.3	18.79	17.66	---	---	16.60	15.46	17.50	13.82	14.69
60	16.2	15.89	14.93	---	---	14.37	13.15	14.74	11.67	12.62
65	13.4	13.29	12.53	---	---	12.21	10.87	12.07	9.74	10.38
70	10.8	10.94	10.40	---	---	10.11	8.78	9.58	8.00	8.33
75	8.7	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	73.7	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	36.9	36.28	33.32	---	---	27.19	24.30	25.60	23.34	24.37
45	32.5	31.94	29.31	---	---	23.89	21.39	22.61	20.43	21.36
50	28.3	27.84	25.52	---	---	20.95	18.60	19.76	17.65	18.67
55	24.3	24.00	21.97	---	---	18.38	16.27	17.09	14.98	15.88
60	20.6	20.42	18.66	---	---	15.10	14.22	14.69	12.78	13.60
65	17.1	17.13	15.67	---	---	13.95	12.24	12.41	10.82	11.38
70	13.9	14.05	13.02	---	---	11.82	10.38	10.25	9.22	9.62
75	11.1	11.37	10.85	---	---	9.81	8.62	8.37	7.55	7.90
80	8.5	8.95	8.87	---	---	8.02	6.90	6.58	6.05	6.48
85	6.3	7.09	7.00	---	---	6.41	5.48	5.22	5.09	5.10

SECTION 6 – LIFE TABLES – PAGE 19

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-93

(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													
1993	75.5	72.2	78.8	76.3	73.1	79.5	71.5	67.3	75.5	69.2	64.6	73.7	
1992	75.8	72.3	79.1	76.5	73.2	79.8	71.8	67.7	75.7	69.6	65.0	73.9	
1991	75.5	72.0	78.9	76.3	72.9	79.6	71.5	67.3	75.5	69.3	64.6	73.8	
1990	75.4	71.8	78.8	76.1	72.7	79.4	71.2	67.0	75.2	69.1	64.5	73.6	
1989	75.1	71.7	78.5	75.9	72.5	79.2	70.9	66.7	74.9	68.8	64.3	73.3	
1988	74.9	71.4	78.3	75.6	72.2	78.9	70.8	66.7	74.8	68.9	64.4	73.2	
1987	74.9	71.4	78.3	75.6	72.1	78.9	71.0	66.9	75.0	69.1	64.7	73.4	
1986	74.7	71.2	78.2	75.4	71.9	78.8	70.9	66.8	74.9	69.1	64.8	73.4	
1985	74.7	71.1	78.2	75.3	71.8	78.7	71.0	67.0	74.8	69.3	65.0	73.4	
1984	74.7	71.1	78.2	75.3	71.8	78.7	71.1	67.2	74.9	69.5	65.3	73.6	
1983	74.6	71.0	78.1	75.2	71.6	78.7	70.9	67.0	74.7	69.4	65.2	73.5	
1982	74.5	70.8	78.1	75.1	71.5	78.7	70.9	66.8	74.9	69.4	65.1	73.6	
1981	74.1	70.4	77.8	74.8	71.1	78.4	70.3	66.2	74.4	68.9	64.5	73.2	
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5	
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9	
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4	
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0	
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6	
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3	
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	61.7	70.3	
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	69.3	
1972 ²	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	69.1	
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	60.5	68.9	
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3	
1969	70.5	66.8	74.4	71.4	67.7	75.3	64.5	60.6	68.6	---	---	---	
1968	70.2	66.6	74.1	71.1	67.5	75.0	64.1	60.4	67.9	---	---	---	
1967	70.5	67.0	74.3	71.4	67.8	75.2	64.9	61.4	68.5	---	---	---	
1966	70.2	66.7	73.9	71.1	67.5	74.8	64.2	60.9	67.6	---	---	---	
1965	70.2	66.8	73.8	71.1	67.6	74.8	64.3	61.2	67.6	---	---	---	
1964	70.2	66.8	73.7	71.0	67.7	74.7	64.2	61.3	67.3	---	---	---	
1963 ³	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6	---	---	---	
1962 ³	70.1	66.9	73.5	70.9	67.7	74.5	64.2	61.6	66.9	---	---	---	
1961	70.2	67.1	73.6	71.0	67.8	74.6	64.5	62.0	67.1	---	---	---	
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---	
1959	69.9	66.8	73.2	70.7	67.5	74.2	63.9	61.3	66.5	---	---	---	
1958	69.6	66.6	72.9	70.5	67.4	73.9	63.4	61.0	65.8	---	---	---	
1957	69.5	66.4	72.7	70.3	67.2	73.7	63.0	60.7	65.5	---	---	---	
1956	69.7	66.7	72.9	70.5	67.5	73.8	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	61.5	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	---	---	---	

SECTION 6 – LIFE TABLES – PAGE 20

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-93—Con.

(Page 2 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
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 Deaths based on a 50-percent sample.

³ Figures by race exclude data for residents of New Jersey; see Technical Appendix.

This document is hereby certified as an official Federal document and is fully admissible as evidence in Federal court. Under Federal Rule of Evidence 902: "Self-authentication," (FED.R.EVID.902), no extrinsic evidence of authenticity, that is seal or stamp, is required as a condition for admissibility of this document as evidence in court.

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